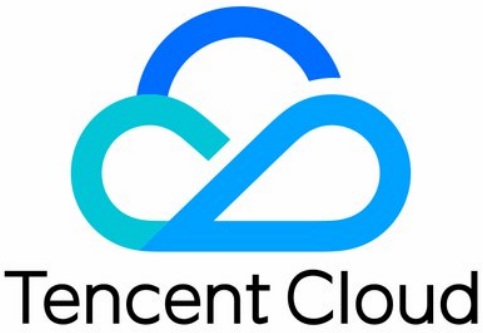
Chat

Server APIs

Product Documentation



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Server APIs
Generating UserSig

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UserSig is a password used to log in to IM. It is the ciphertext obtained after data such as UserID is encrypted. This document describes how to generate a UserSig.

Obtaining a Key

1. Log in to the Chat console.

Note:

If you do not have any app, create an app and then perform step 2.

2. Click the target app card to go to its basic configuration page.
3. In the **Basic Information** section, click **Display key** to the right of **Key**.
4. Click **Copy** to copy and save the key information.

Note:

Store the key information properly to prevent disclosure.

Calculating UserSig on the Client

The `GenerateTestUserSig` open-source module provided in the sample code of the IM SDK can help you quickly generate a UserSig. You only need to configure three member variables, including SDKAPPID (SDKAppID of the app), EXPIRETIME (UserSig expiration time), and SECRETKEY (key information), and then call the genTestUserSig() function to quickly obtain a UserSig.

To simplify this process, we provide the source code for computing a UserSig for the following languages and platforms. You can directly download and integrate the source code into your client.

Programing Language	Platform	GenerateTestUserSig Source Code
Java	Android	GenerateTestUserSig.java
Objective-C	iOS	GenerateTestUserSig.h
Objective-C	Mac	GenerateTestUserSig.h
C++	Windows	GenerateTestUserSig.h

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Javascript	Web	GenerateTestUserSig.js
Dart	Flutter	GenerateTestUserSig.dart

Note:

In this method, the `SECRETKEY` is vulnerable to decompilation and reverse engineering. Once your `SECRETKEY` is disclosed, attackers can steal your Tencent Cloud traffic. Therefore, **this method is only suitable for locally running a demo project and feature debugging**.

The correct way to issue a UserSig is to integrate the UserSig computing code into your server and provide app-oriented APIs. When UserSig is needed, your app will send a request to the business server to obtain a dynamic UserSig. For more information, see How to Calculate UserSig.

Calculating UserSig on the Server

Generating a UserSig on the server provides maximum protection against the disclosure of the key used for calculating the UserSig. You only need to deploy the code for calculating the UserSig on your server and provide an app-oriented API. When a UserSig is needed, your app will send a request to the business server to obtain a dynamic UserSig.

To simplify this process, we provide the source code for calculating a UserSig for the following languages and platforms. You can directly download and integrate the source code into your server.

Programming Language	Key Function	Download URL
Java	HMAC-SHA256	genSig
GO	HMAC-SHA256	GenSig
PHP	HMAC-SHA256	genSig
Nodejs	HMAC-SHA256	genSig
Python	HMAC-SHA256	gen_sig
C#	HMAC-SHA256	GenSig
C++	HMAC-SHA256	gen_sig

Key fields in a UserSig calculation function include the SDKAppID, UserID, and UserSig validity period, as described in the following table.

Note:

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The following table uses the field names in the Java source code as an example. The field names may be different in other languages.

Field Name (Example)	Description
sdkappid	SDKAppID of the app. You can obtain the SDKAppID on the app card in the Chat console.
userId	User ID (former name: `Identifier`).
expire	UserSig validity period, in seconds.
userbuf	This field is set to `null` by default because APIs without UserBuf are used in IM by default.APIs with UserBuf may be required in some TRTC use cases, for example, when entering a room. For more information, see Enabling Advanced Permission Control.
key	Key. You can obtain a key on the app details page in the Chat console. For more information, see Obtaining a Key.

Old Version of Algorithm

To simplify signature computing so that customers can conveniently and quickly use Tencent Cloud services, the signature algorithm of the IM service has been upgraded from ECDSA-SHA256 to HMAC-SHA256 since July 19, 2019. This means that all SDKAppIDs created after July 19, 2019 will use the new HMAC-SHA256 algorithm.
If your SDKAppID was created before July 19, 2019, we recommend that you upgrade the signature algorithm to HMAC-SHA256. The upgrade will not affect your business. Alternatively, you can still use the signature algorithm of an earlier version. The URLs for downloading the source code for the ECDSA-SHA256 algorithm are as follows:

Programming Language	Signature Algorithm	Download Link
Java	ECDSA-SHA256	GitHub
GO	ECDSA-SHA256	GitHub
PHP	ECDSA-SHA256	GitHub
Nodejs	ECDSA-SHA256	GitHub
Python	ECDSA-SHA256	GitHub
C#	ECDSA-SHA256	GitHub
C++	ECDSA-SHA256	GitHub

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RESTful APIs
RESTful API Overview

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RESTful APIs are HTTP management APIs that provide the app backend with a management entry. For more information about RESTful APIs that Chat supports, see RESTful API List.
In addition to RESTful APIs, the app console also supports simple data management and one-to-one/group messaging. Developers can manage, check, and test data in the console. Even though RESTful APIs are less user-friendly, they provide powerful management capabilities.
For security concerns, RESTful APIs are supported over HTTPS only.

Prerequisites

Before you call a RESTful API, complete the following operations:
1. Create an app in the Chat console. For more information, see Creating and Upgrading an Application.
2. Assign an admin account to the app. For more information, see the **Configuring Account Admins** section in Basic Configuration.

Caution

To avoid unnecessary call errors, use the admin account to call a RESTful API.

Calling Method

Request URL

The URL format of a RESTful API is as follows:

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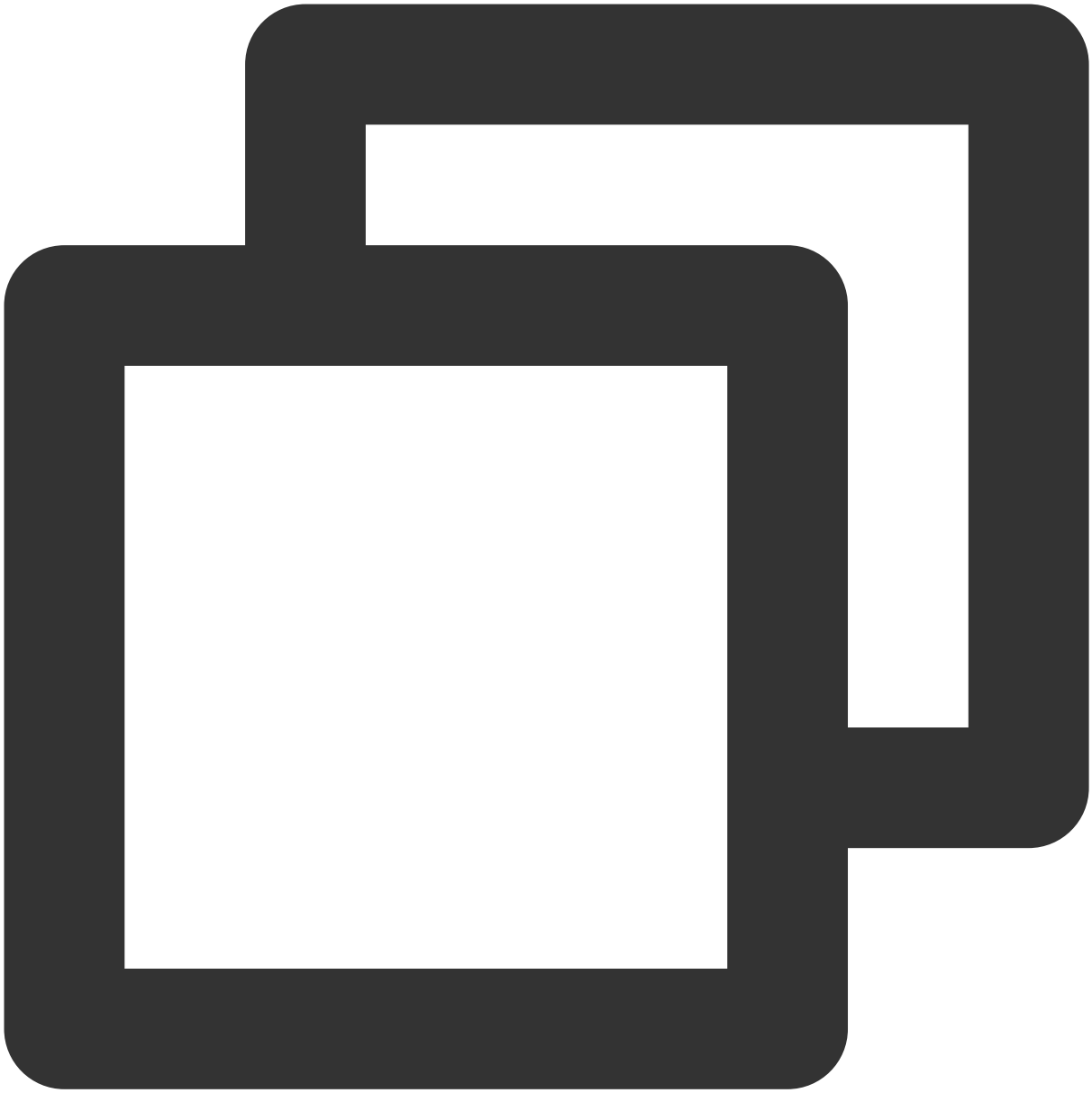

```
https://xxxxxx/$ver/$servicename/$command?sdkappid=$SDKAppID&identifier=$identifier
```

The descriptions and values of parameters are as follows (parameter names and parameter values are case-sensitive):

Parameter	Description	Value
https	Request protocol	The request protocol is HTTPS, and the request method is POST.
xxxxxx	Dedicated domain name	China: console.tim.qq.com (backup: adminapi.my-

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		imcloud.com) Singapore: adminapisgp.im.qcloud.com (backup: adminapisgp.my-imcloud.com) Seoul:adminapikr.im.qcloud.com (backup: adminapikr.my-imcloud.com) Frankfurt: adminapiger.im.qcloud.com (backup: adminapiger.my-imcloud.com) Silicon Valley: adminapiusa.im.qcloud.com (backup: adminapiusa.my-imcloud.com) Jakarta: adminapiidn.im.qcloud.com (backup: adminapiidn.my-imcloud.com)
ver	Protocol version number	Always `v4` .
servicename	Internal service name. Different values of `servicename` correspond to different service types.	Example:For `v4/im_open_login_svc/account_import` , `im_open_login_svc` is the `servicename` .For more information, see RESTful API List.
command	Command word. This parameter is used with the `servicename` parameter to identify a specific service feature.	Example:For `v4/im_open_login_svc/account_import` , `account_import` is the `command` .For more information, see RESTful API List.
sdkappid	App ID obtained in the Chat console	You can obtain the SDKAppID when applying for Chat SDK access.
identifier	Username, which must be the app admin account when a RESTful API is called	For more information, see the **App Admin** section in Login Authentication.
usersig	Password that corresponds to the user name.	For more information, see Generating UserSig.
random	A parameter used to identify the current request	A random 32-bit unsigned integer ranging from 0 to 4,294,967,295
contenttype	Request format	Always `json` .

Note

When the app server calls a RESTful API, `identifier` must be the app admin account.

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The app can generate a `UserSig` for the admin account each time it calls a RESTful API or generate a fixed `UserSig` for reuse with period of validity.

HTTP request body format

RESTful APIs only support the POST method, and its request body is in JSON format. For more information about the request body format, see the detailed description of each API.
Note that POST request bodies cannot be empty. Even when no information is required in a request body, the request body still needs to carry an empty JSON object (`{}`).

HTTP return code

The returned HTTP status code for RESTful APIs is always 200 unless a network error (such as error 502) occurs. The specific error code and error message are included in the HTTP response body.

HTTP response body format

The RESTful API response body is in the JSON format and has the following elements:

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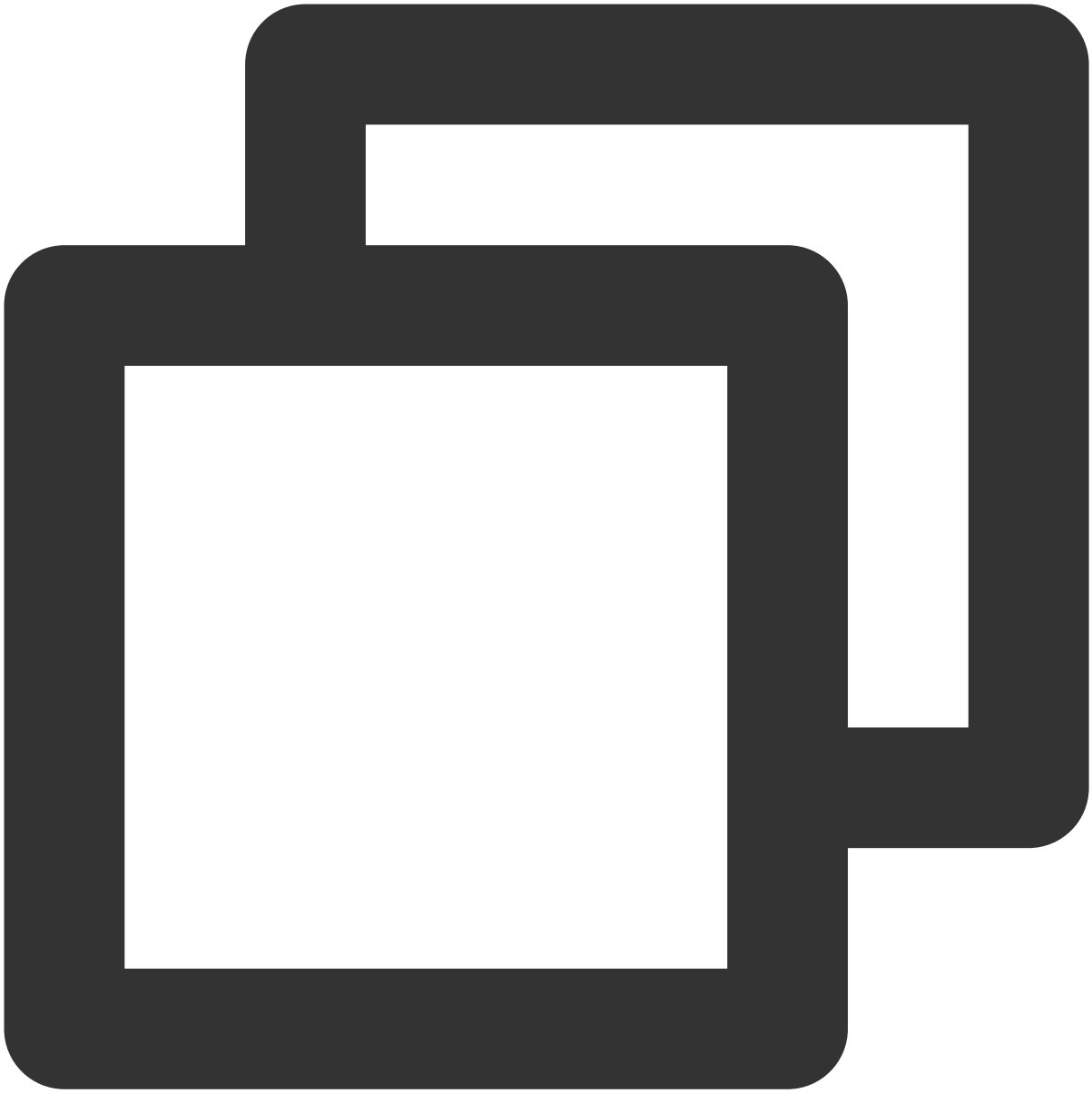

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
    // Other RESTful API response content
}
```

The response body must contain the `ActionStatus` , `ErrorInfo` , and `ErrorCode` fields. These three fields are described as follows:

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed. If the request fails, the cause of failure is displayed in the `ErrorInfo` field.
ErrorInfo	String	Failure causes
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For more information, see Error Codes.

Sample Call

The following example shows how to use the RESTful API to get all groups in an app.

HTTPS request:

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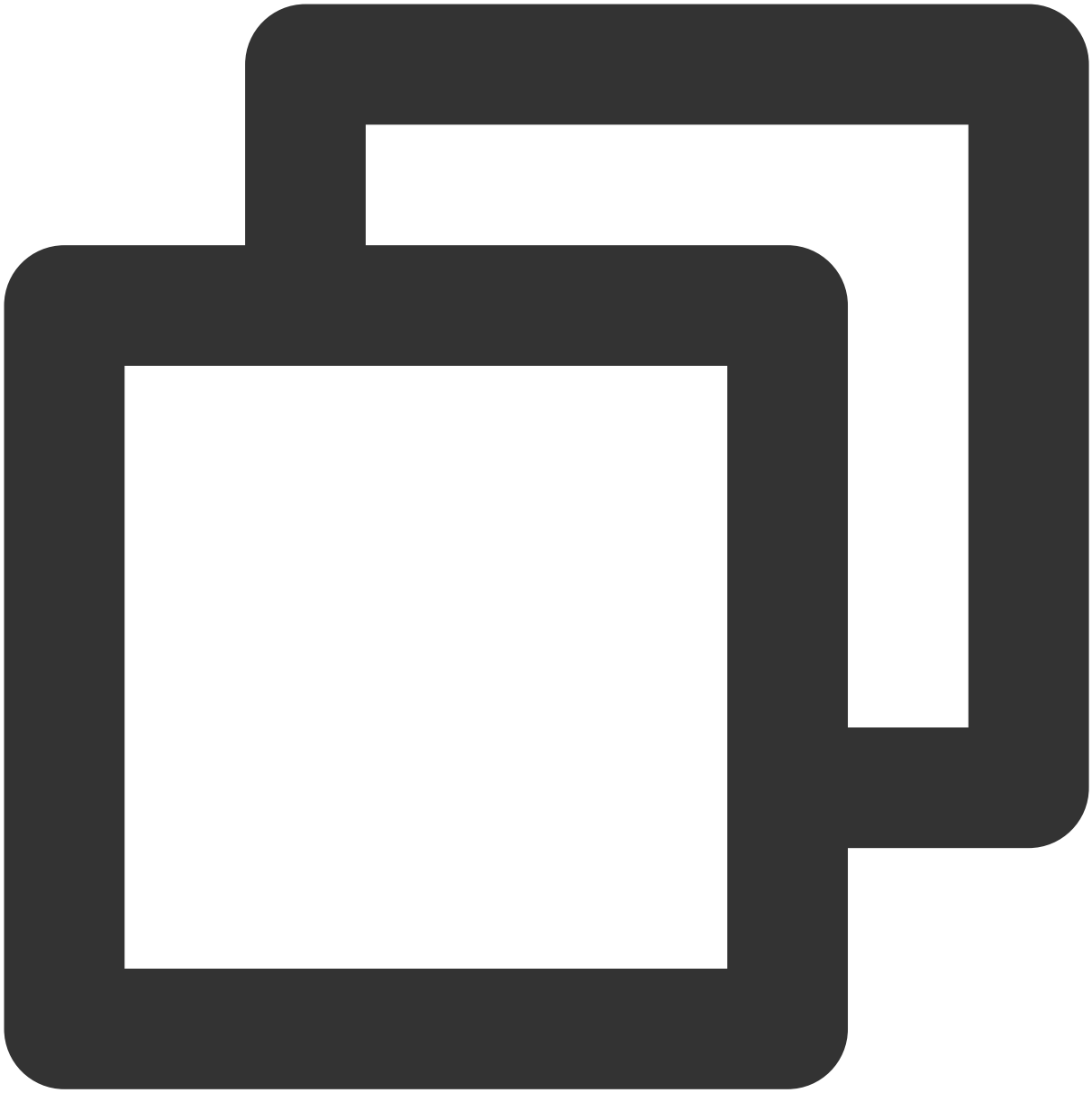

```
POST /v4/group_open_http_svc/get_appid_group_list?usersig=xxx&identifier=admin&sdka
Host: console.tim.qq.com
Content-Length: 22
{
    "Limit": 2
}
```

HTTPS response:

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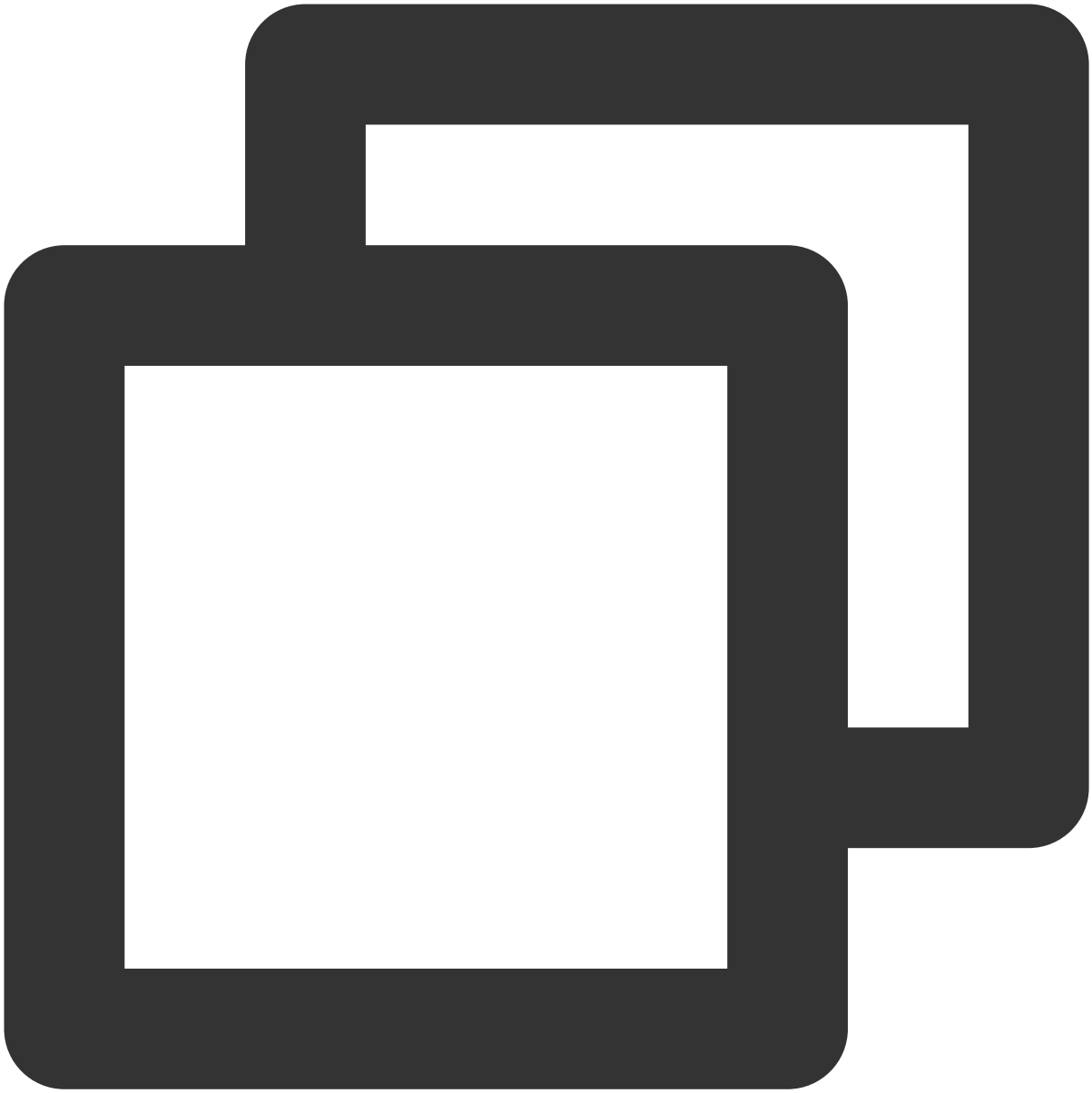

```
HTTP/1.1 200 OK
Server: nginx/1.7.10
Date: Fri, 09 Oct 2015 02:59:55 GMT
Content-Length: 156
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: X-Requested-With
Access-Control-Allow-Methods: POST

{
    "ActionStatus": "OK",
```

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```
    "ErrorCode": 0,
    "GroupIdList": [
        {
            "GroupId": "@TGS#1YTTZEAEG"
        },
        {
            "GroupId": "@TGS#1KVTZEAEZ"
        }
    ],
    "TotalCount": 58530
}
```

RESTful API Common Error Codes

Error Code	Description
60002	HTTP parsing error. Check the URL format of the HTTP request.
60003	JSON parsing error. Check the JSON format of the HTTP request.
60004	Account or signature error in the request URL or JSON request body.
60005	Account or signature error in the request URL or JSON request body.
60006	Invalid SDKAppID. Check the validity of SDKAppID.
60007	RESTful API call frequency limit exceeded. Reduce your request frequency.
60008	Service request timeout or HTTP request format error. Check and try again.
60009	Request resource error. Check the request URL.
60010	The request requires app admin permissions.
60011	SDKAppID request frequency exceeded. Reduce your request frequency.
60012	SDKAppID is required for RESTful APIs. Check the SDKAppID parameter in the URL.
60013	JSON parsing error in the HTTP response body.
60014	Account switching timeout.
60015	Invalid account type in the request body. Make sure that the account is in string format.
60016	The SDKAppID is disabled.

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60017	The request is disabled.
60018	Too many requests. Try again later.
60019	Too many requests. Try again later.
60020	Your Standard edition has expired and was disabled. Log in to the purchase page and purchase it again. It will take effect in five minutes upon successful purchase.
60021	The source IP of the RESTful API call is invalid.

FAQs

The RESTful API request timed out and no response was received.

1. The timeout period specified for the RESTful API in the Chat backend is three seconds. You need to specify a timeout period that is longer than three seconds.
2. Run `telnet console.tim.qq.com 443` to check whether the service port is accessible.
3. Run `curl -I https://console.tim.qq.com` to check whether the status code is 200.
4. Check whether the machine uses a private or public DNS server. If the machine uses a private DNS server, make sure that the DNS server egress is in the same region as the ISP to which the egress IP of the machine belongs.
5. You are advised to use the "persistent connection+connection pool" mode.

Note

It is recommended that you use a RESTful API persistent connection to connect to the SDK. The reason is that it takes a long time to establish HTTPS non-persistent connections because each request causes TCP+TLS handshake overhead.

For scenario where a standard HTTP library is used: for HTTP 1.0, the request header `Connection: keep-alive` needs to be specified; for HTTP 1.1, persistent connections are supported by default; for scenarios where HTTPS requests are encapsulated based on TCP, TCP connections can be reused to send and receive requests.

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RESTful API List

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Feature	API
Imports a single account.	v4/im_open_login_svc/account_import
Imports multiple accounts.	v4/im_open_login_svc/multiaccount_import
Deletes accounts.	v4/im_open_login_svc/account_delete
Queries accounts.	v4/im_open_login_svc/account_check
Invalidating account login states	v4/im_open_login_svc/kick
Queries the login status of an account.	v4/openim/query_online_status

One-to-One Message

Feature	API
Sends one-to-one messages to one user.	v4/openim/sendmsg
Sends one-to-one messages to multiple users.	v4/openim/batchsendmsg
Imports one-to-one messages.	v4/openim/importmsg
Queries one-to-one messages.	v4/openim/admin_getroammsg
Recalls one-to-one messages.	v4/openim/admin_msgwithdraw
Marks one-to-one messages as read.	v4/openim/admin_set_msg_read
Queries the unread one-to-one message counts.	v4/openim/get_c2c_unread_msg_num
Modifies historical one-to-one messages	v4/openim/modify_c2c_msg

Pushing to All Users

Feature	API

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Pushes to all users.	v4/all_member_push/im_push
Sets app attribute names.	v4/all_member_push/im_set_attr_name
Gets app attribute names.	v4/all_member_push/im_get_attr_name
Gets user attributes.	v4/all_member_push/im_get_attr
Sets user attributes.	v4/all_member_push/im_set_attr
Deletes user attributes.	v4/all_member_push/im_remove_attr
Gets user tags.	v4/all_member_push/im_get_tag
Adds user tags.	v4/all_member_push/im_add_tag
Deletes user tags.	v4/all_member_push/im_remove_tag
Deletes all tags of a user.	v4/all_member_push/im_remove_all_tags

Profile Management

Feature	API
Configures profiles.	v4/profile/portrait_set
Pulls profiles.	v4/profile/portrait_get

Relationship Chain Management

Feature	API
Adds friends.	v4/sns/friend_add
Imports friends.	v4/sns/friend_import
Updates friends.	v4/sns/friend_update
Deletes friends.	v4/sns/friend_delete
Deletes all friends.	v4/sns/friend_delete_all
Verifies friends.	v4/sns/friend_check

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Pulls friends.	v4/sns/friend_get
Pulls specified friends.	v4/sns/friend_get_list
Blocklists users.	v4/sns/black_list_add
Unblocklists users.	v4/sns/black_list_delete
Pulls a blocklist.	v4/sns/black_list_get
Checks whether specified users are on a user's blocklist and/or vice versa.	v4/sns/black_list_check
Adds lists.	v4/sns/group_add
Deletes lists.	v4/sns/group_delete
Pulls lists.	v4/sns/group_get

Recent Contacts

Feature	API
Pulls a conversation list.	v4/recentcontact/get_list
Deletes a conversation.	v4/recentcontact/delete
Creates conversation group data.	v4/recentcontact/create_contact_group
Deletes conversation group data.	v4/recentcontact/del_contact_group
Updates conversation group data.	v4/recentcontact/update_contact_group
Searches for conversation group mark data.	v4/recentcontact/search_contact_group
Creates or updates conversation mark data.	v4/recentcontact/mark_contact
Pulls conversation group mark data.	v4/recentcontact/get_contact_group

Group Management

Feature	API
Gets all groups in an app.	v4/group_open_http_svc/get_appid_group_list

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Creates a group.	v4/group_open_http_svc/create_group
Gets group profiles.	v4/group_open_http_svc/get_group_info
Gets group member profiles.	v4/group_open_http_svc/get_group_member_info
Modifies the profile of a group.	v4/group_open_http_svc/modify_group_base_info
Adds group members.	v4/group_open_http_svc/add_group_member
Deletes group members.	v4/group_open_http_svc/delete_group_member
Modifies the profile of a group member.	v4/group_open_http_svc/modify_group_member_info
Disbands a group.	v4/group_open_http_svc/destroy_group
Gets the groups a user has joined.	v4/group_open_http_svc/get_joined_group_list
Queries the roles of users in a group.	v4/group_open_http_svc/get_role_in_group
Mutes and unmutes group members.	v4/group_open_http_svc/forbid_send_msg
Gets the list of muted group members.	v4/group_open_http_svc/get_group_shutted_uin
Sends ordinary messages in a group.	v4/group_open_http_svc/send_group_msg
Sends system messages in a group.	v4/group_open_http_svc/send_group_system_notification
Recalls group messages.	v4/group_open_http_svc/group_msg_recall
Changes the group owner.	v4/group_open_http_svc/change_group_owner
Imports a group profile.	v4/group_open_http_svc/import_group
Imports group messages.	v4/group_open_http_svc/import_group_msg
Imports group members.	v4/group_open_http_svc/import_group_member
Sets the unread message count of a member.	v4/group_open_http_svc/set_unread_msg_num
Deletes messages sent by a specified user.	v4/group_open_http_svc/delete_group_msg_by_sender
Gets group message history.	v4/group_open_http_svc/group_msg_get_simple
Gets the number of online users in an audio-video group.	v4/group_open_http_svc/get_online_member_num
Gets custom attributes of a group.	v4/group_open_attr_http_svc/get_group_attr
Gets the list of banned group members.	v4/group_open_http_svc/get_group_ban_member

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Bans group members.	v4/group_open_http_svc/ban_group_member
Unbans group members.	v4/group_open_http_svc/unban_group_member
Modifies custom attributes of a group.	v4/group_open_http_svc/modify_group_attr
Clears custom attributes of a group.	v4/group_open_http_svc/clear_group_attr
Resets custom attributes of a group.	v4/group_open_http_svc/set_group_attr
Modifies historical group chat messages.	v4/openim/modify_group_msg
Delivers broadcast messages to all audio-video groups.	v4/group_open_http_svc/send_broadcast_msg
Gets the group counter.	v4/group_open_http_svc/get_group_counter
Updates the group counter.	v4/group_open_http_svc/update_group_counter
Deletes the group counter.	v4/group_open_http_svc/delete_group_counter

Global Mute Management

Feature	API
Sets global mute.	v4/openconfigsvr/setnospeaking
Queries global mute.	v4/openconfigsvr/getnospeaking

Operations Management

Feature	API
Pulls operations data.	v4/openconfigsvr/getappinfo
Downloads recent messages.	v4/open_msg_svc/get_history
Gets server IP addresses.	v4/ConfigSvc/GetIPList

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Message Related
Send Message
Sending One-to-One Messages to One User

Last updated：2024-07-16 10:41:26

Feature Overview

When the admin sends a message to an account, the sender displayed to the recipient is the admin.
When the admin specifies an account to send a message to another account, the sender displayed to the recipient is not the admin, but the account specified by the admin.
This API does not check whether the sender and the recipients are friends or blocklisted by either party or whether the senders are muted.
This API does not check whether the recipient has muted notifications for messages from the sender by default. If needed, enter `WithMuteNotifications` in the `SendMsgControl` parameter.
For one-to-one messages, the `MsgSeq` field is specified by the user when the message is sent. Its value can be repeated. It is not generated by the backend and not globally unique. For group chat messages, the value of the `MsgSeq` field is generated by the backend, and each group maintains its respective `MsgSeq` which increases strictly from 1. For one-to-one messages, the historical messages of the same conversation are sorted by timestamp first, and then the historical messages of the same second are sorted by `MsgSeq` .

Caution

When calling this API to send a one-to-one message, you must specify whether to synchronize the message to the sender, which is the admin account or the account specified by the admin. Synchronization can be implemented via online terminals and roaming servers. This API provides the `SyncOtherMachine` parameter to determine whether to synchronize the message. For more information, see **Sample requests** below.

Sample request URL

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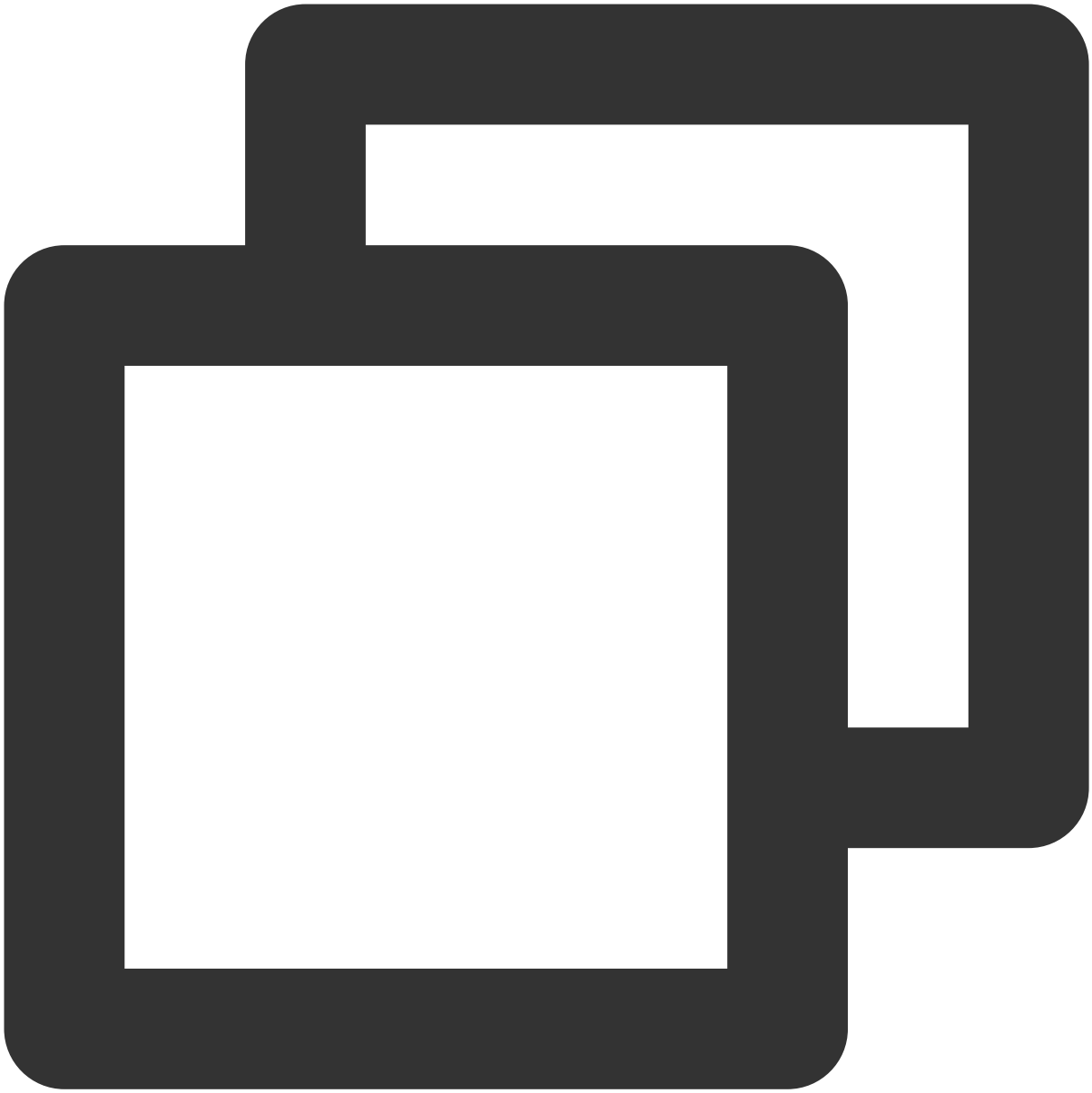

```
https://xxxxxx/v4/openim/sendmsg?sdkappid=88888888&identifier=admin&usersig=xxx&ran
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/sendmsg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Here, we use sending a text message as an example. To send messages of other types, set `MsgBody` to the corresponding message type. For more information, see Message Formats.

The admin sends a message to another account.

Caution

If you do not want to synchronize the message to `From_Account` , set `SyncOtherMachine` to `2` . To synchronize the message to `From_Account` , set `SyncOtherMachine` to `1` .

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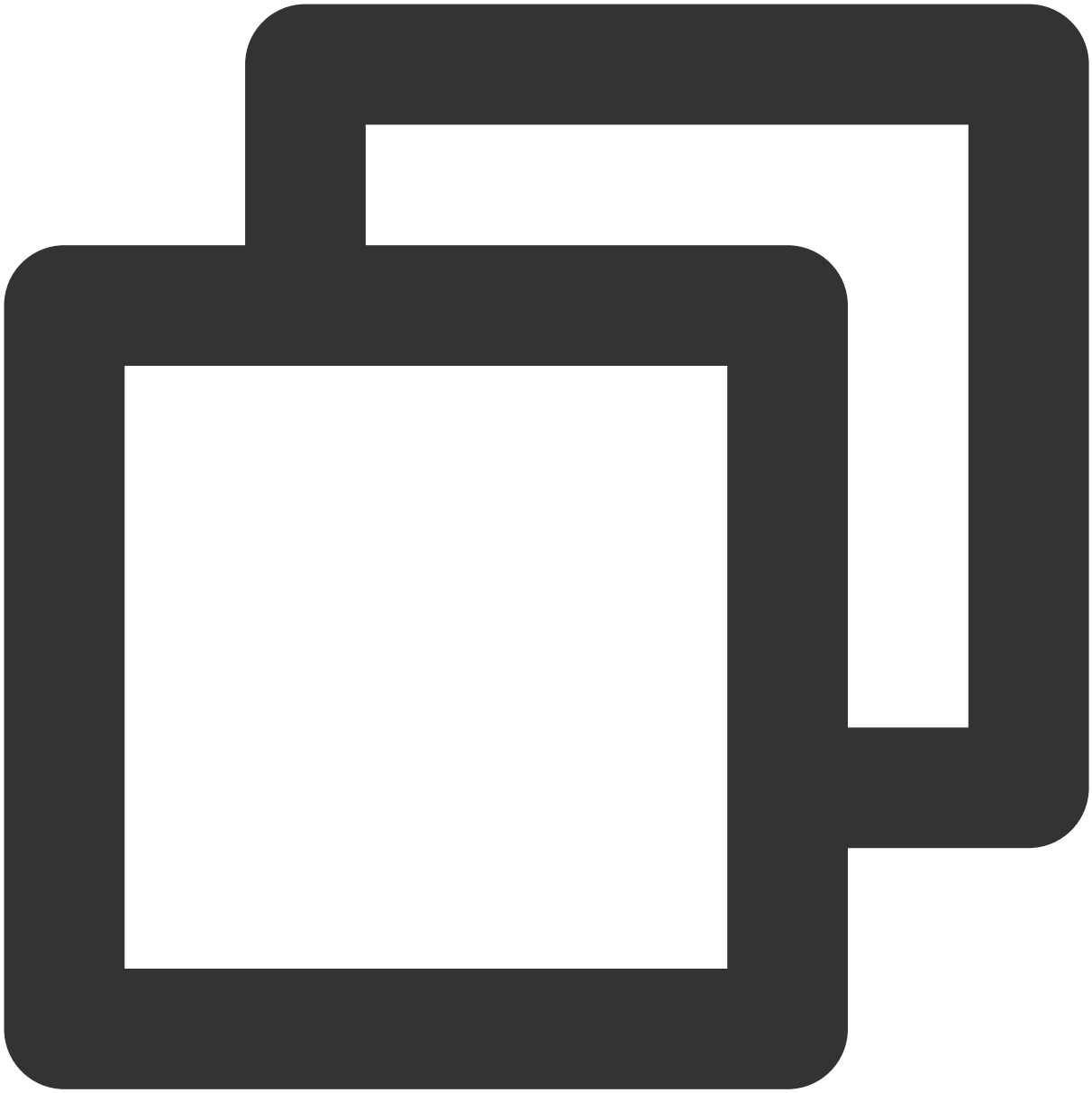

```
{
    "SyncOtherMachine": 2, // Do not synchronize the message to the sender.
    "To_Account": "lumotuwe2",
    "MsgSeq": 93847636,
    "MsgRandom": 1287657,
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hi, beauty"
            }
```

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```
            }
        ],
        "CloudCustomData": "your cloud custom data",
        "SupportMessageExtension": 0
    }
```

The admin sends a message to another account and forbids callbacks for the message.

Caution

If you do not want to synchronize the message to `From_Account`, set `SyncOtherMachine` to `2`. To synchronize the message to `From_Account`, set `SyncOtherMachine` to `1`.

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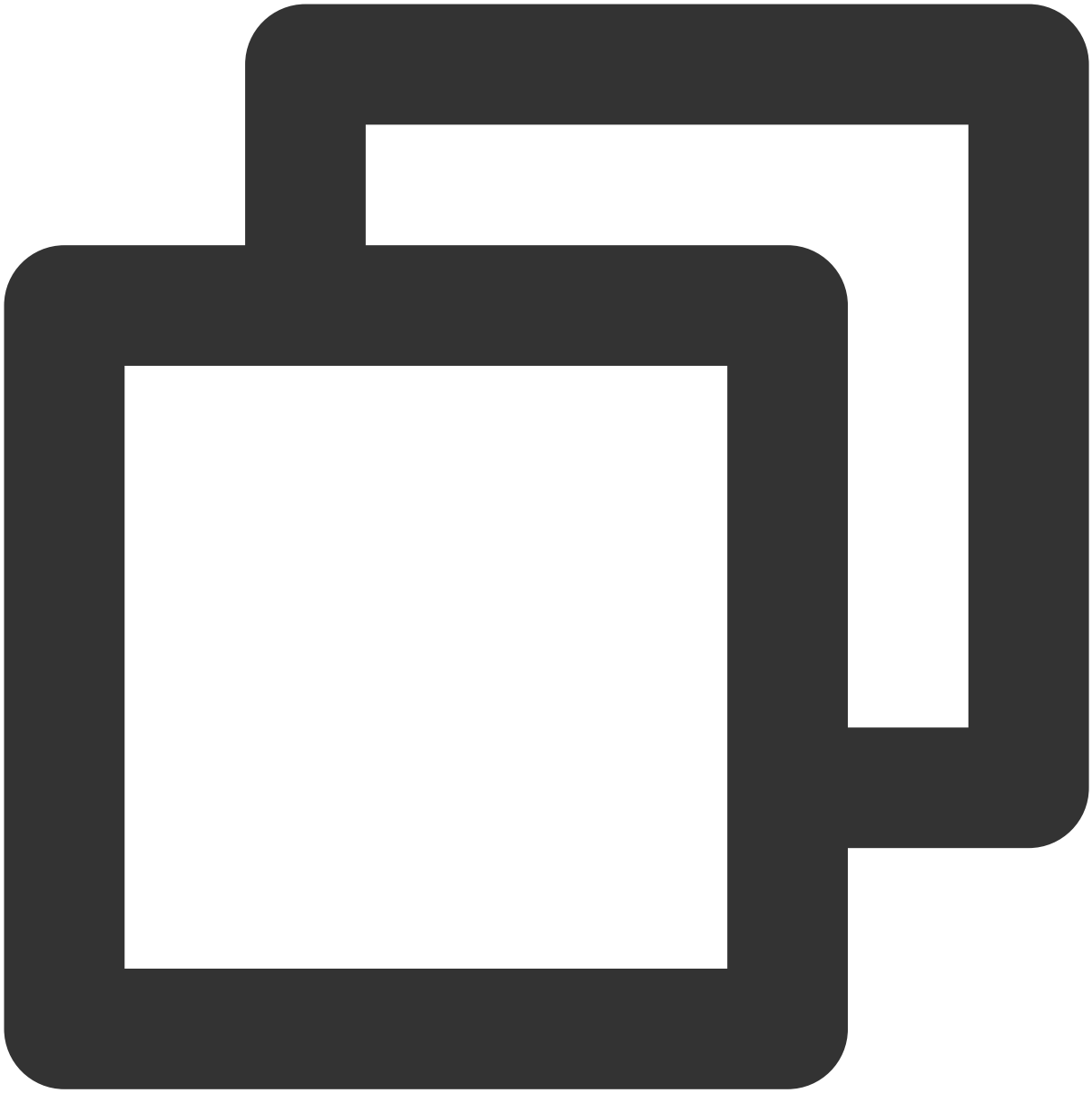

```
{
    "SyncOtherMachine": 2, // Do not synchronize the message to the sender.
    "To_Account": "lumotuwe2",
    "MsgSeq": 93847636,
    "MsgRandom": 1287657,
    "ForbidCallbackControl":[
        "ForbidBeforeSendMsgCallback",
        "ForbidAfterSendMsgCallback"], // Callback forbidding control option
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
```

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```
            "MsgContent": {
                "Text": "hi, beauty"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

The admin specifies an account to send a message to another account and set the information of offline push, without synchronizing the message to `From_Account` .

Caution

If you do not want to synchronize the message to `From_Account` , set `SyncOtherMachine` to `2` .

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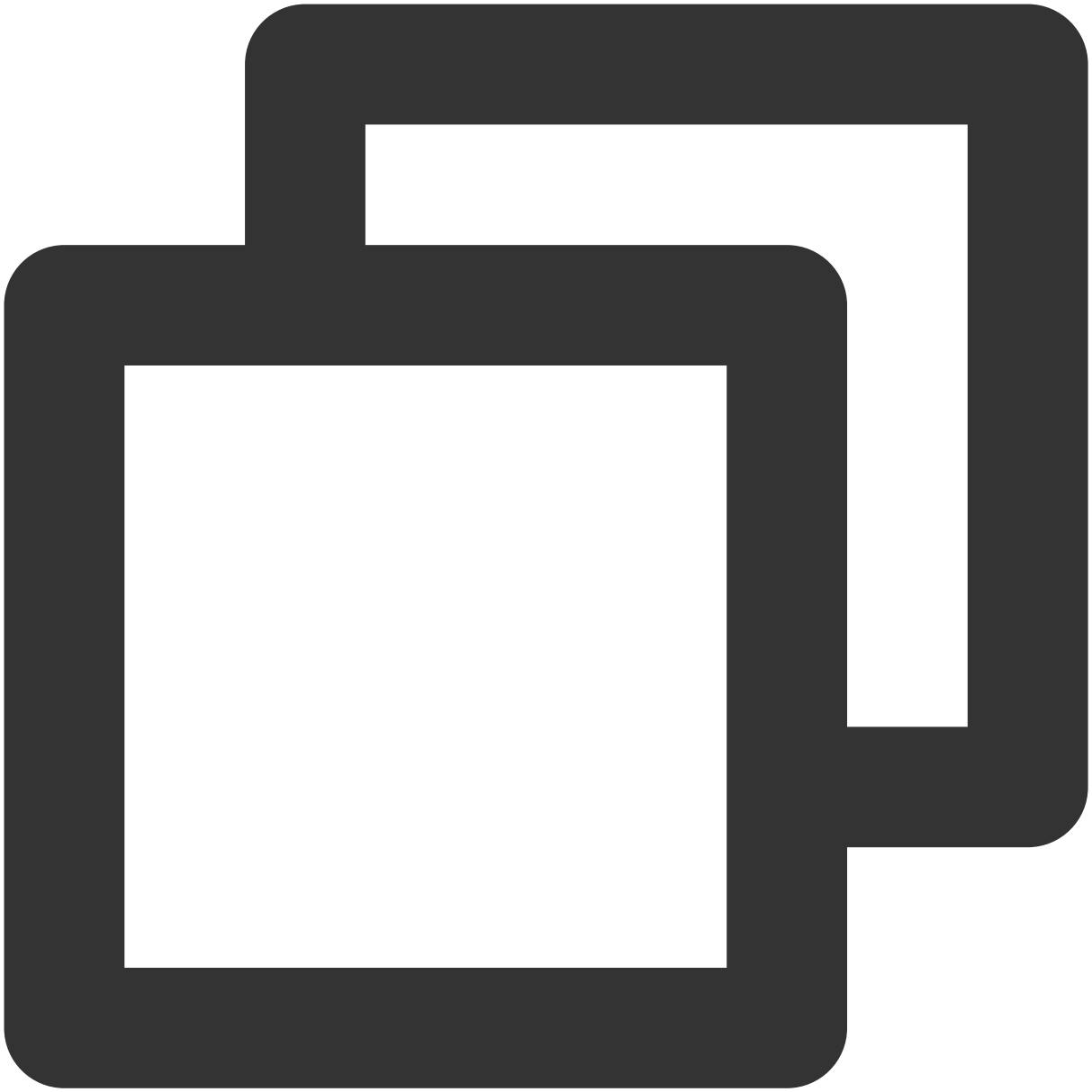

```
{
    "SyncOtherMachine": 2,
    "From_Account": "lumotuwe1",
    "To_Account": "lumotuwe2",
    "MsgSeq": 93847636,
    "MsgRandom": 1287657,
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hi, beauty"
```

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```
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "OfflinePushInfo": {
        "PushFlag": 0,
        "Desc": "Content to push offline",
        "Ext": "Passthrough content",
        "AndroidInfo": {
            "Sound": "android.mp3"
        },
        "ApnsInfo": {
            "Sound": "apns.mp3",
            "BadgeMode": 1, // If this field is left as default or is set to `0`, t
            "Title":"apns title", // APNs title
            "SubTitle":"apns subtitle", // APNs subtitle
            "Image":"www.image.com" // Image URL
        }
    }
}
```

The admin specifies an account to send a message to another account, and specifies that the message will only be sent to online users, and no historical chat records will be stored (set OnlineOnlyFlag as 1).

Caution

To synchronize the message to `From_Account`, set `SyncOtherMachine` to `1`.

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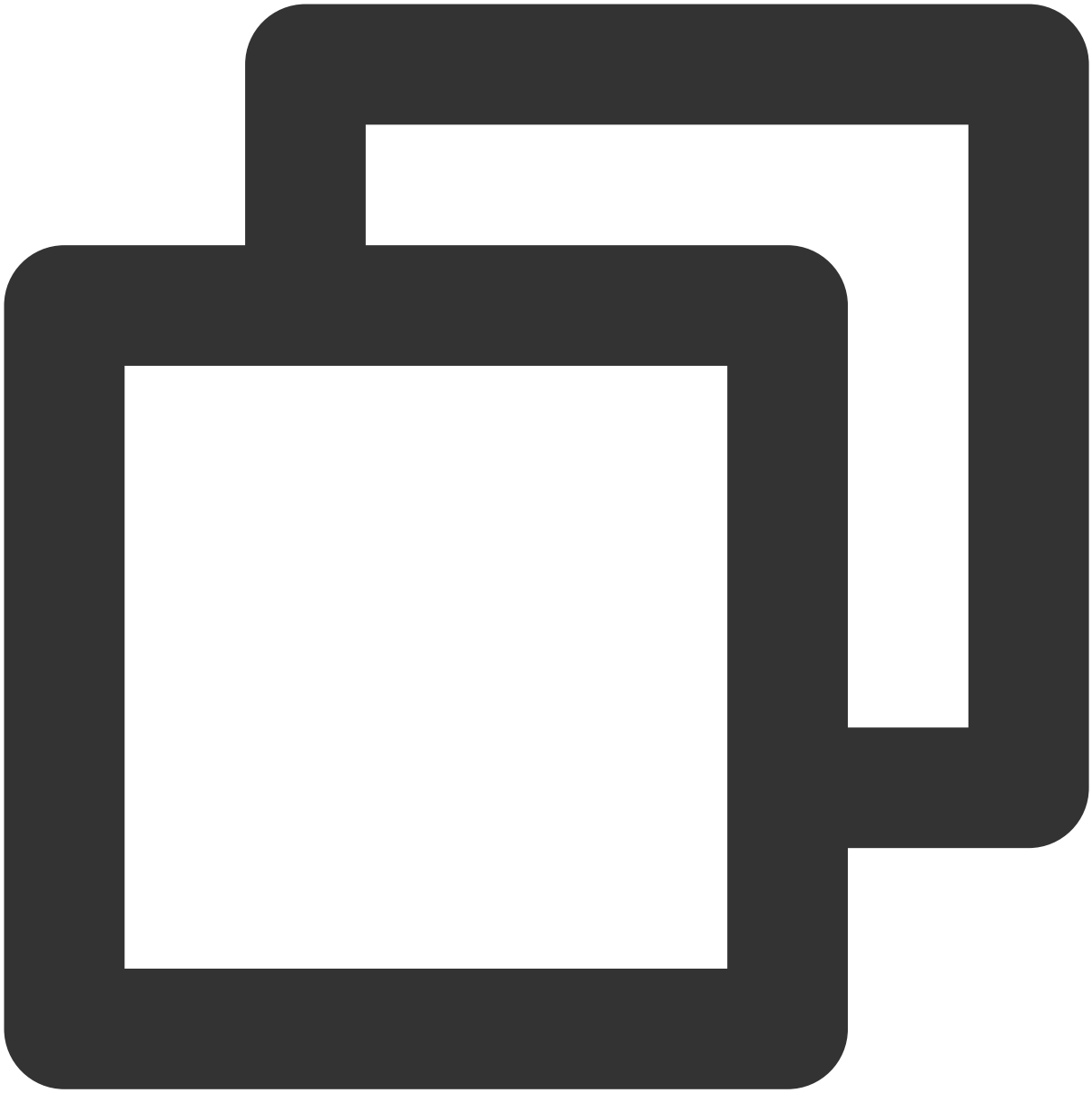

```
{
    "SyncOtherMachine": 1, // Synchronize the message to the sender.
    "From_Account": "lumotuwe1",
    "To_Account": "lumotuwe2",
    "OnlineOnlyFlag": 1,
    "MsgSeq": 93847636,
    "MsgRandom": 1287657,
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
```

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```
                "Text": "hi, beauty"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Required	Description
SyncOtherMachine	Integer	No	`1` : synchronize the message to the `From_Account` o terminal and roaming server. `2` : do not synchronize the message to `From_Account` If this field is not specified, the message will be synchronize `From_Account` roaming server.
From_Account	String	No	`UserID` of the sender (used to specify the message sen
To_Account	String	Yes	`UserID` of the recipient
OnlineOnlyFlag	Integer	No	If this field is set to `0` , the message will only be sent to th recipient online and not retained offline. `1` means that messages will not be stored in the historica records, meaning if the recipient is online, they will receive message; if the recipient is not online, they will not receive t message. This is suitable for implementing some real-time features, such as the "typing" feature.
MsgSeq	Integer	No	Sequence number (32-bit unsigned integer) of the message backend will use this field to remove duplicate messages a messages in the same second. For details, see **Feature Description**. If this field is left empty, the backend will ente random number.
MsgRandom	Integer	Yes	Message random number (32-bit unsigned integer), used b backend for deduplication of messages within the same se Please ensure this field is filled with a random number.
ForbidCallbackControl	Array	No	Message callback forbidding field, which is valid only for thi message. `ForbidBeforeSendMsgCallback` forbids callback before sending the message. `ForbidAfterSendMsgCallback` forbids the callback sending the message.
SendMsgControl	Array	No	Message sending control options is a String array, which is

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			only for this message. "NoUnread" means this message is not counted as unread "NoLastMsg" means this message does not update the conversation List. "WithMuteNotifications" means for this message, the Do No Disturb Option set by the recipient for the sender takes effe does not take effect by default). "NoMsgCheck" means that when cloud-based review is ena this message will not be submitted for review. Example: "SendMsgControl": ["NoUnread","NoLastMsg","WithMuteNotifications","NoMsg
MsgBody	Array	Yes	Message body. For details on formats, please see Message Formats. (Note: a message can contain multiple message elements, in which case `MsgBody` is an array.)
MsgType	String	Yes	TIM message object type. Valid values: `TIMTextElem` (text message) `TIMLocationElem` (location message) `TIMFaceElem` (emoji message) `TIMCustomElem` (custom message) `TIMSoundElem` (voice message) `TIMImageElem` (image message) `TIMFileElem` (file message) `TIMVideoFileElem` (video message)
MsgContent	Object	Yes	Different message object types (`MsgType`) have differen formats (`MsgContent`). For details, see Message Form
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be s the peer end. Such data can be pulled after the app is unins and reinstalled.
SupportMessageExtension	Integer	No	Whether the message supports message extension. `0` : N Yes
OfflinePushInfo	Object	No	The information to be pushed offline. For more information, Message Formats.
IsNeedReadReceipt	Integer	No	Whether the message requires a read receipt. `0` : No. `1` The default value is `0` .

Sample response

Response to a successful request

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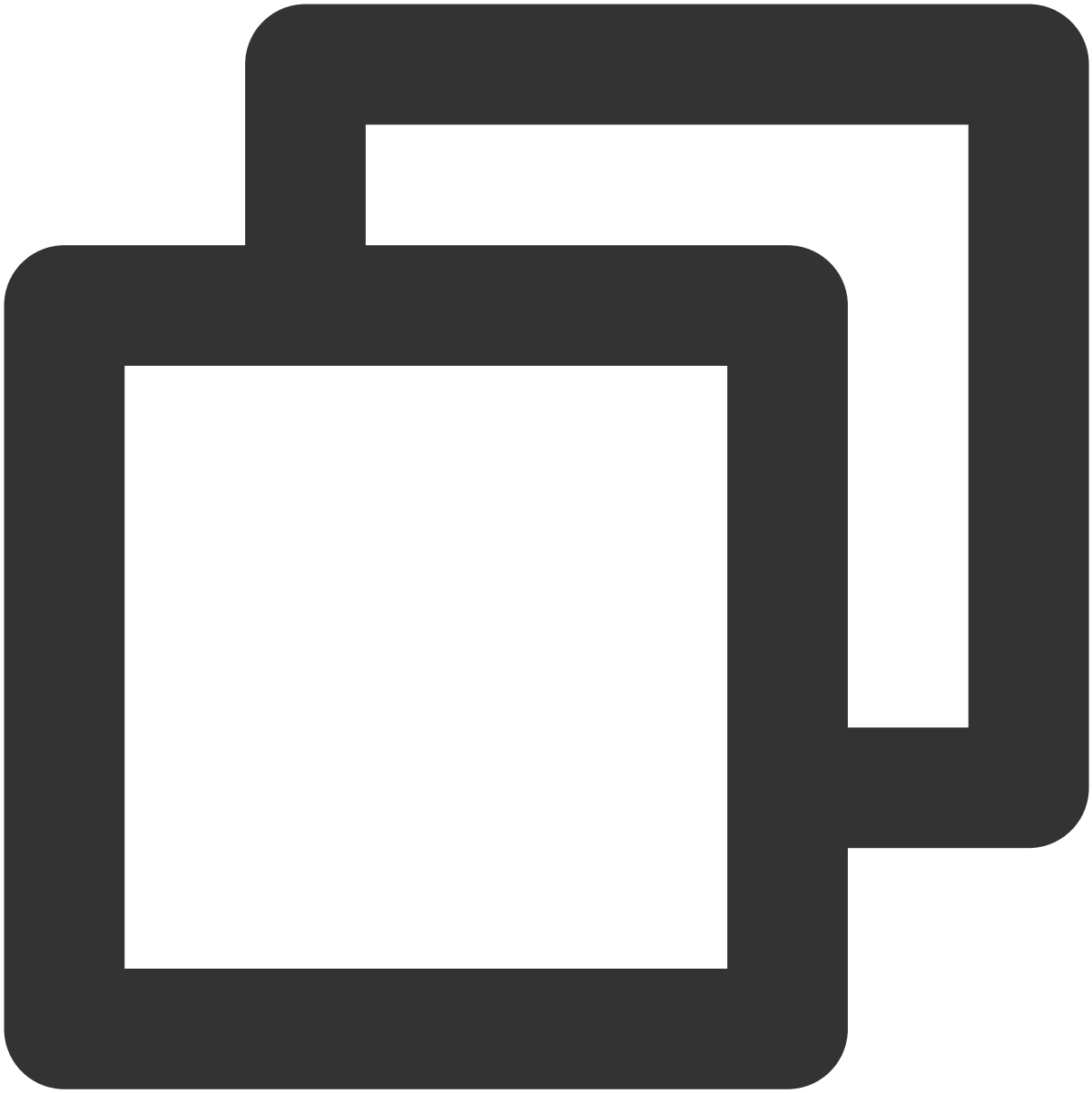

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "MsgTime": 1572870301,
  "MsgKey": "89541_2574206_1572870301"
}
```

Response to a failed request

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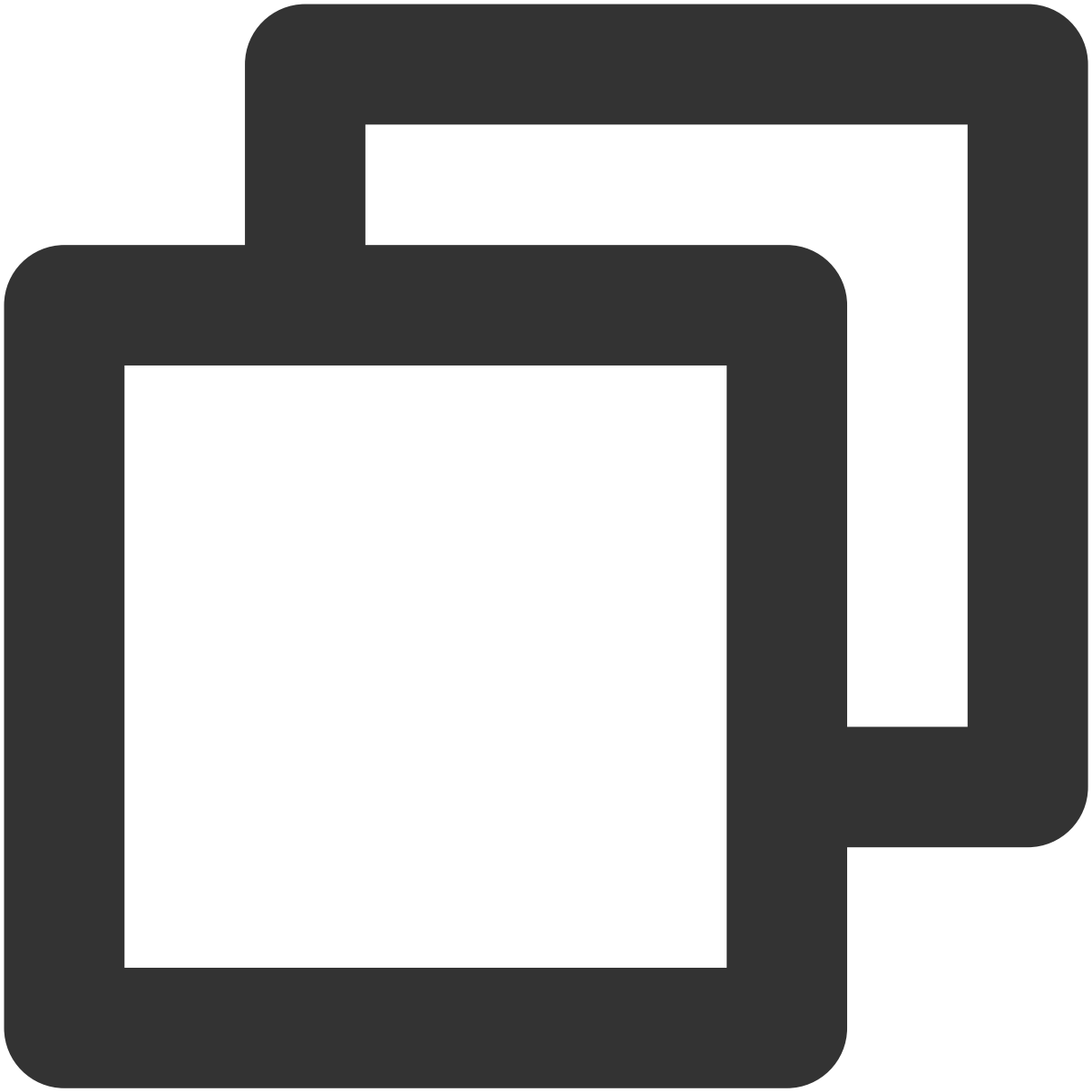

```
{
  "ActionStatus": "FAIL",
  "ErrorInfo": "Fail to Parse json data of body, Please check it",
  "ErrorCode": 90001
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MsgTime	Integer	Message timestamp in the UNIX format
MsgKey	String	Unique identifier of the message. This field is required to recall a message. The value is a string of no more than 50 characters.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
20001	Invalid request.
20002	`UserSig` or `A2` has expired.
20003	The `UserID` of the sender or recipient is invalid or does not exist. Make sure that the `UserID` has been imported into Chat.
20004	Network exception. Try again.
20005	Internal server error. Try again.
20006	The callback before sending a one-to-one message was triggered, and the app backend returned a response to forbid delivering the message.
90001	Failed to parse the JSON request. Make sure the format is valid.
90002	The `MsgBody` in the JSON request does not meet message format requirements or `MsgBody` is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90003	The JSON request does not contain the `To_Account` field or the `To_Account` field is not a string.
90005	The JSON request does not contain the `MsgRandom` field or the `MsgRandom` field is not an integer.

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90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90012	The account specified in `To_Account` does not exist or is not registered. Make sure the account has been imported to Chat and is correct.
90026	The offline retention time of the message is incorrect. Messages cannot be retained offline for more than 7 days.
90031	The `SyncOtherMachine` field in the JSON request is not an integer.
90044	The `MsgLifeTime` field in the JSON request is not an integer.
91000	Internal service error. Try again.
90992	Internal service error. Try again. If this error code is returned for all requests and third-party callback is enabled, make sure the app server returns the callback results to the Chat backend normally.
93000	The JSON packet exceeds the maximum size of 12 KB.
90048	The requested account does not exist.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)
Querying One-to-One messages (v4/openim/admin_getroammsg)
Recalling One-to-One Messages (v4/openim/admin_msgwithdraw)

Possible Webhooks

Before a One-to-One Message Is Sent
After a One-to-One Message Is Sent

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Sending One-to-One Messages to Multiple Users

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to send one-to-one messages to multiple users (up to 500) at a time.
Compared with the API for sending one-to-one messages to one user, this API is more suitable for time-sensitive messages, such as marketing messages and system notifications.
If you don't want to count messages as unread or store them, you can set `MsgLifeTime` to `1`. This will make message delivery faster.
When the admin specifies an account to send a message to multiple target accounts, the sender displayed to the recipients is not the admin, but the account specified by the admin.
This API does not trigger callback requests.
This API does not check whether the sender and the recipients are friends or blocklisted by either party or whether the senders are muted.
This API does not check whether the recipient has muted notifications for messages from the sender by default. If needed, enter `WithMuteNotifications` in the `SendMsgControl` parameter.
For one-to-one messages, the `MsgSeq` field is specified by the user when the message is sent. Its value can be repeated. It is not generated by the backend and not globally unique. For group chat messages, the value of the `MsgSeq` field is generated by the backend, and each group maintains its respective `MsgSeq` which increases strictly from 1. For one-to-one messages, the historical messages of the same conversation are sorted by timestamp first, and then the historical messages of the same second are sorted by `MsgSeq`.

Note：

When calling this API to batch send a message, you must specify whether to synchronize the message to the sender, which is the admin account or the account specified by the admin. Synchronization can be implemented via online terminals and roaming servers. This API provides the `SyncOtherMachine` parameter to determine whether to synchronize the message. For more information, please see **Sample request** below.

API Calling Description

Sample request URL

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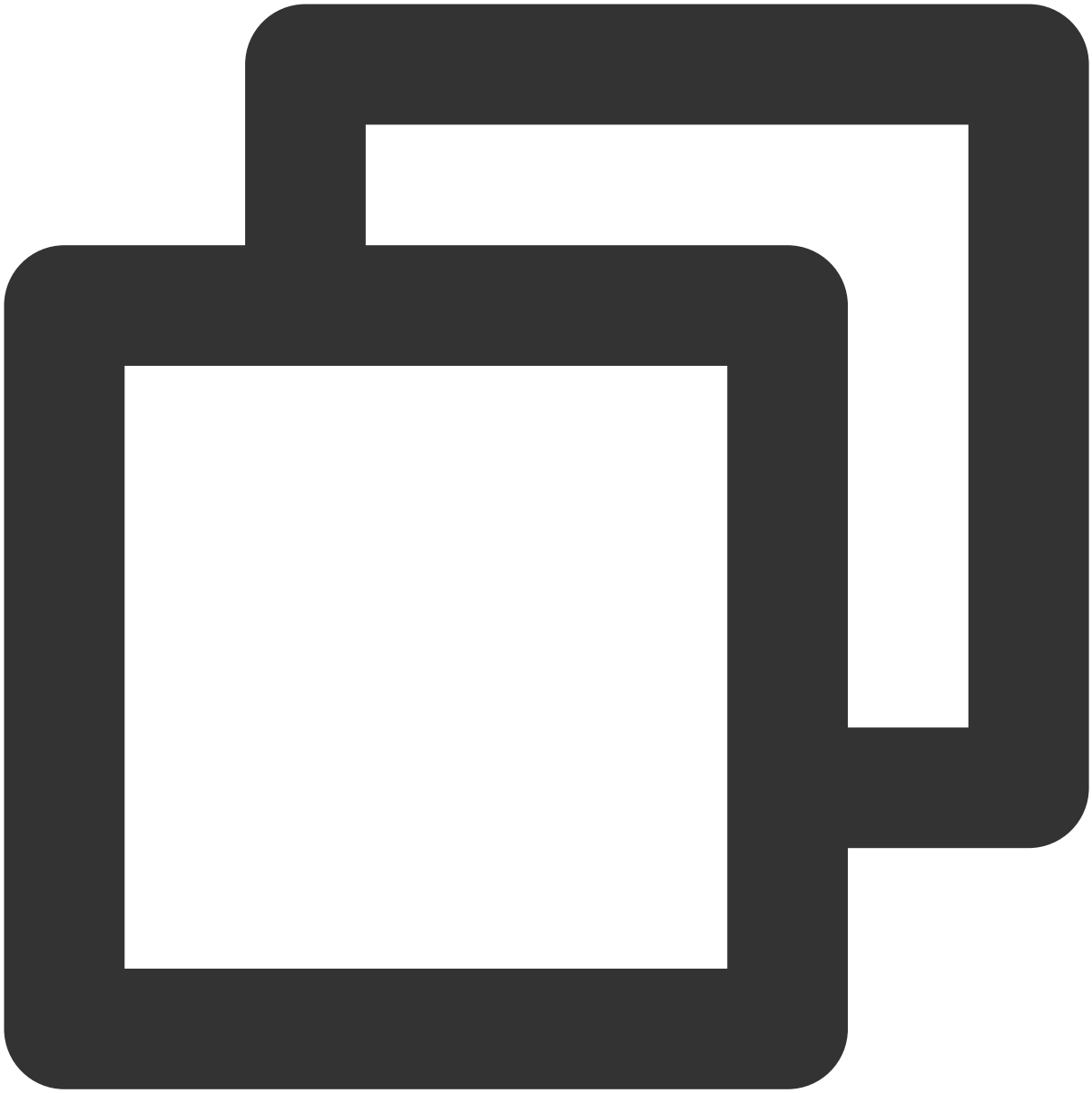

```
https://xxxxxx/v4/openim/batchsendmsg?sdkappid=88888888&identifier=admin&usersig=xx
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/batchsendmsg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

12,000 messages/minute. If sent to 500 users at one time, it will be counted as 500 messages.

Sample request

Here, we use sending a text message as an example. To send messages of other types, set `MsgBody` to the corresponding message type. For more information, see Message Formats.

The admin sends a message to multiple target accounts.

Note：

If you do not want to synchronize the message to `From_Account` , set `SyncOtherMachine` to `2` .
To synchronize the message to `From_Account` , set `SyncOtherMachine` to `1` .

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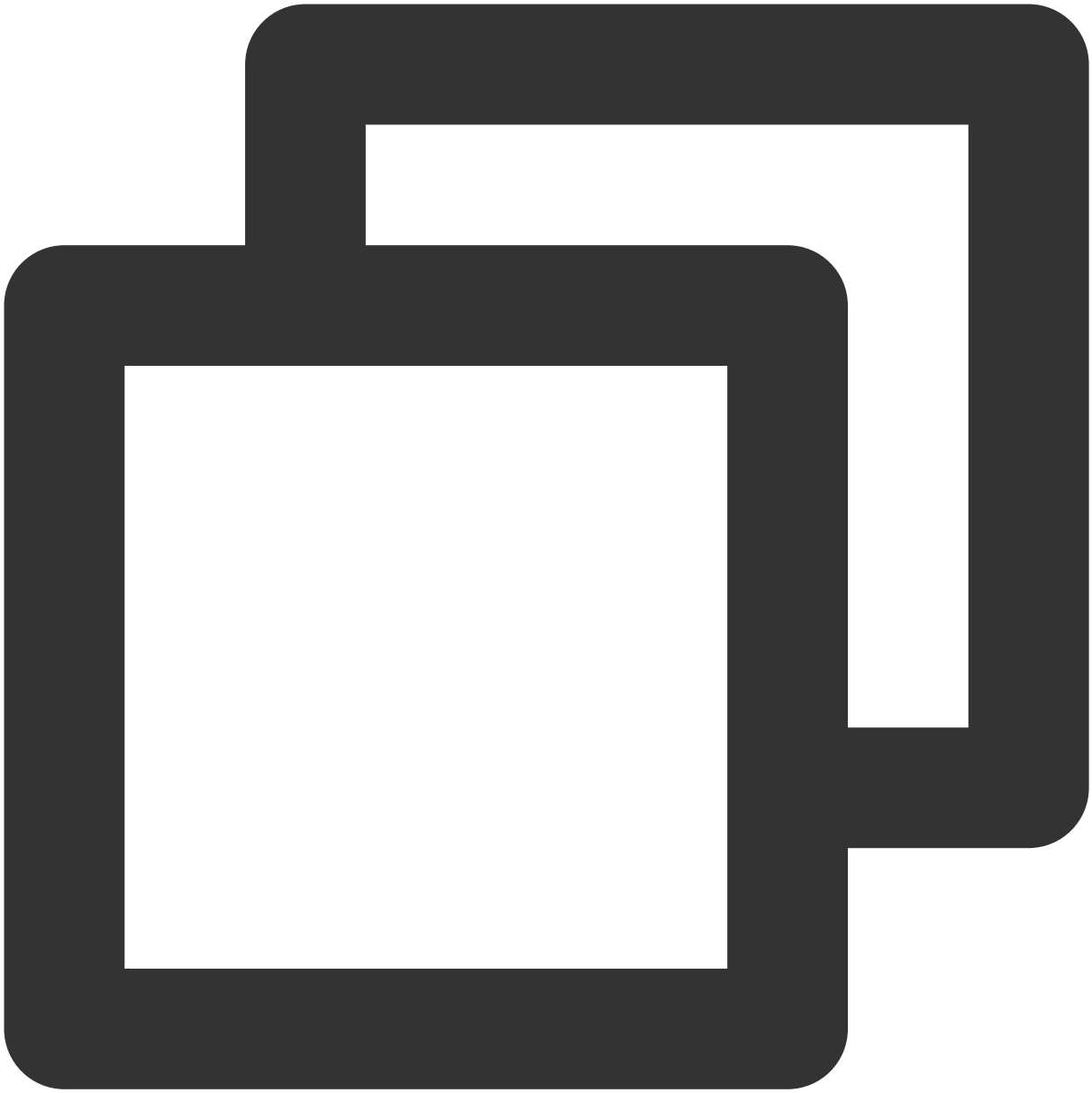

```
{
    "SyncOtherMachine": 2, // Do not synchronize the message to the sender.
    "To_Account": [ // A list of target accounts
        "bonnie",
        "rong"
    ],
    "MsgSeq": 28360, // Sequence number of the message.
    "MsgRandom": 19901224, // Random number of the message
    "MsgBody": [ // Message body
        {
            "MsgType": "TIMTextElem", // Message type. `TIMTextElem` indicates text
```

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```
            "MsgContent": {
                "Text": "hi, beauty" // Message text
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

The admin specifies an account to send a message to multiple target accounts and sets the information of offline push.

`From_Account` is the sender specified by the admin. The sender displayed to the recipients is not the admin, but the account specified by the admin. In the following JSON request, dave sends a message to bonnie and rong. When bonnie and rong receive the message, the message sender displayed to them is dave.

Note：

If you do not want to synchronize the message to `From_Account`, set `SyncOtherMachine` to `2`.

To synchronize the message to `From_Account`, set `SyncOtherMachine` to `1`.

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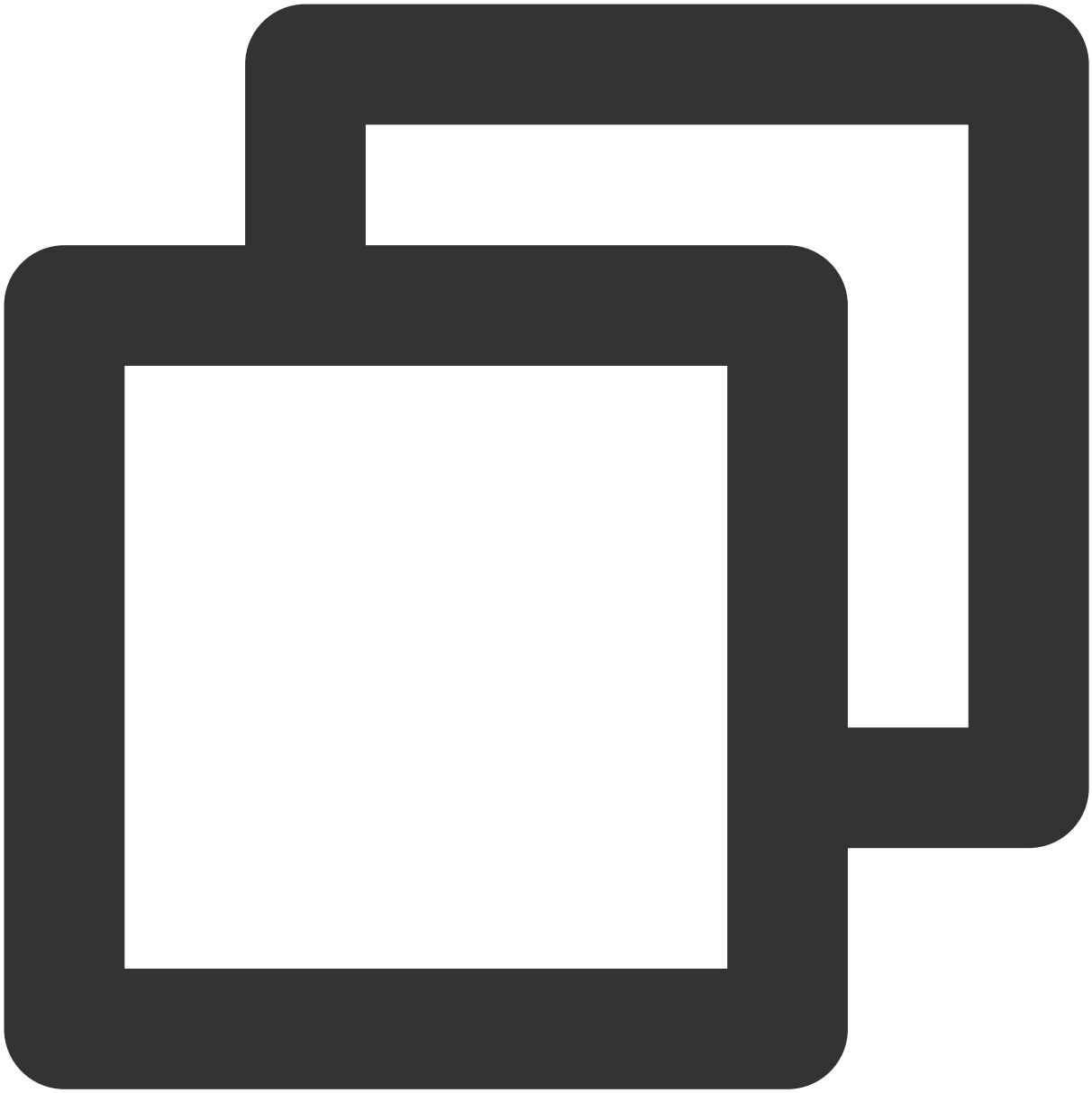

```
{
    "SyncOtherMachine": 1, // Synchronize the message to the sender.
    "From_Account": "dave",
    "To_Account": [
        "bonnie",
        "rong"
    ],
    "MsgSeq": 28360, // Sequence number of the message.
    "MsgRandom": 19901224, // Random number of the message
    "MsgBody": [
        {
```

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```
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hi, beauty"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "OfflinePushInfo": {
        "PushFlag": 0,
        "Desc": "Content to push offline",
        "Ext": "Passthrough content",
        "AndroidInfo": {
            "Sound": "android.mp3"
        },
        "ApnsInfo": {
            "Sound": "apns.mp3",
            "BadgeMode": 1, // If this field is left as default or is set to `0`, t
            "Title":"apns title", // APNs title
            "SubTitle":"apns subtitle", // APNs subtitle
            "Image":"www.image.com" // Image URL
        }
    }
}
```

Request fields

Field	Type	Required	Description
SyncOtherMachine	Integer	No	`1` : synchronize the message to the online terminal and roaming server of `From_Account` . `2` : do not synchronize the message to `From_Account` . If thi field is not specified, the message is synchronized to the roaming server of `From_Account` .
From_Account	String	No	Sender account specified by the admin. To set the information of `From_Account` , the value of this field cannot be left empty.
To_Account	Array	Yes	`UserID` of the message recipient
MsgSeq	Integer	No	Sequence number (32-bit unsigned integer) of the message. The backend will use this field to remove duplicate messages and sort messages in the same second. For details, see **Feature Description**. If this field is left empty, the backend will enter a random number.
MsgRandom	Integer	Yes	Random number (32-bit unsigned integer) of the message. It is

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			used by the backend for removing duplicate message within a second. Make sure a random number is entered.
MsgBody	Array	Yes	TIM message. For more information, see Message Formats.
OnlineOnlyFlag	Integer	No	If this field is set to `0`, the message will be stored in the historica chat records. `1` means that messages will not be stored in the historical chat records, meaning if the recipient is online, they will receive this message; if offline, they won't. Suitable for implementing some rea time status features.
MsgType	String	Yes	TIM message object type.Valid values: `TIMTextElem` (text message) `TIMLocationElem` (location message) `TIMFaceElem` (emoji message) `TIMCustomElem` (custom message) `TIMSoundElem` (voice message) `TIMImageElem` (image message) `TIMFileElem` (file message) `TIMVideoFileElem` (video message)
MsgContent	Object	Yes	TIM message object. For more information, see Message Formats
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.
SendMsgControl	Array	No	Message sending control options is an array of strings, which is valid only for this request. "NoUnread" means this message is not counted as unread messages. "NoLastMsg" indicates that this message does not update the conversation list. "WithMuteNotifications" means that the recipient's Do Not Disturb settings for the sender are effective for this message (it does not take effect by default). "NoMsgCheck" means that, when cloud-based review is enabled, this message will not be submitted for review. Example: "SendMsgControl": ["NoUnread","NoLastMsg","WithMuteNotifications","NoMsgCheck
OfflinePushInfo	Object	No	The information to be pushed offline. For more information, see Message Formats.

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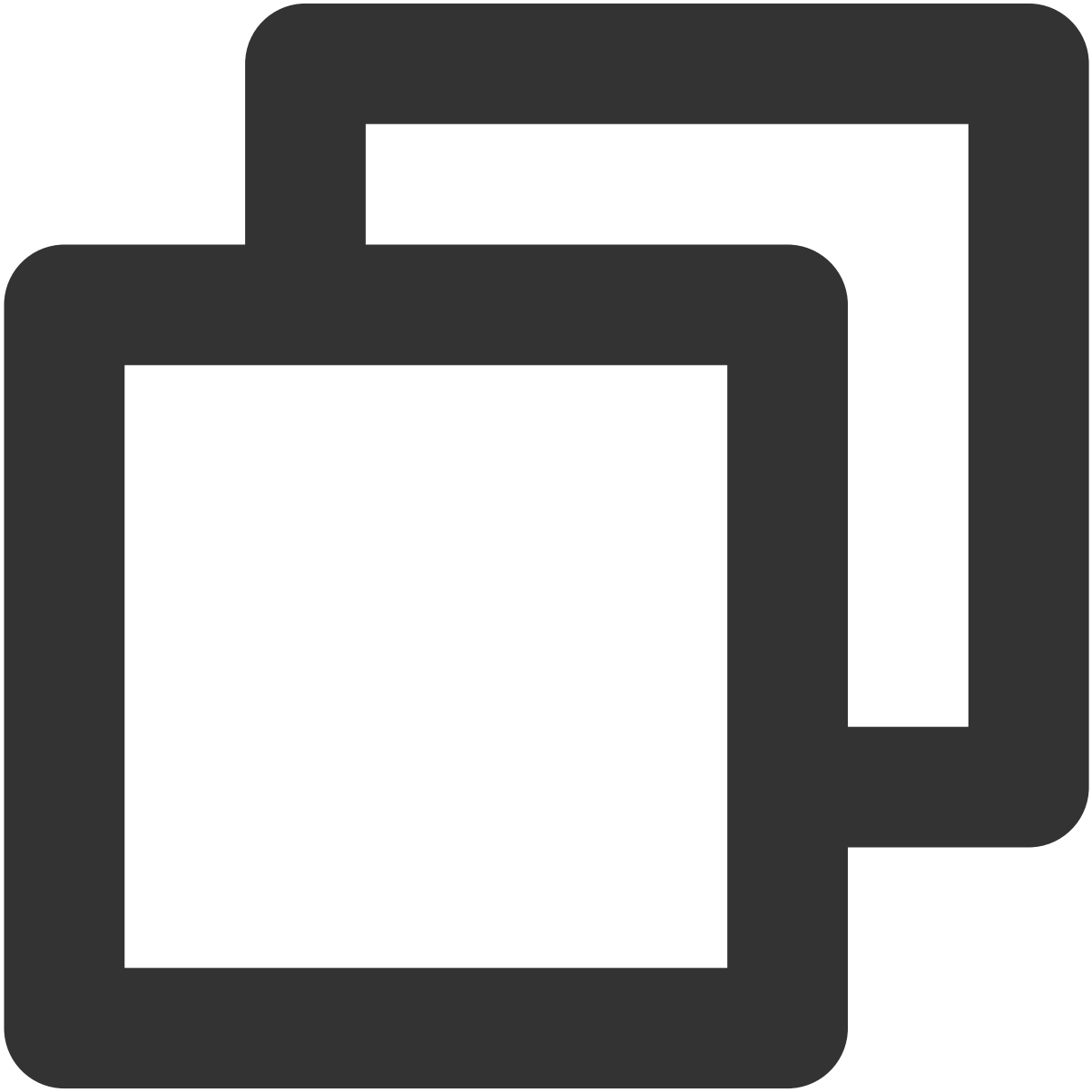
IsNeedReadReceipt	Integer	No	Whether the message requires a read receipt. `0` : No. `1` : Yes. The default value is `0` .

Sample response

Response when the message was sent to all the target accounts



```
{
 "ErrorInfo": "",
```

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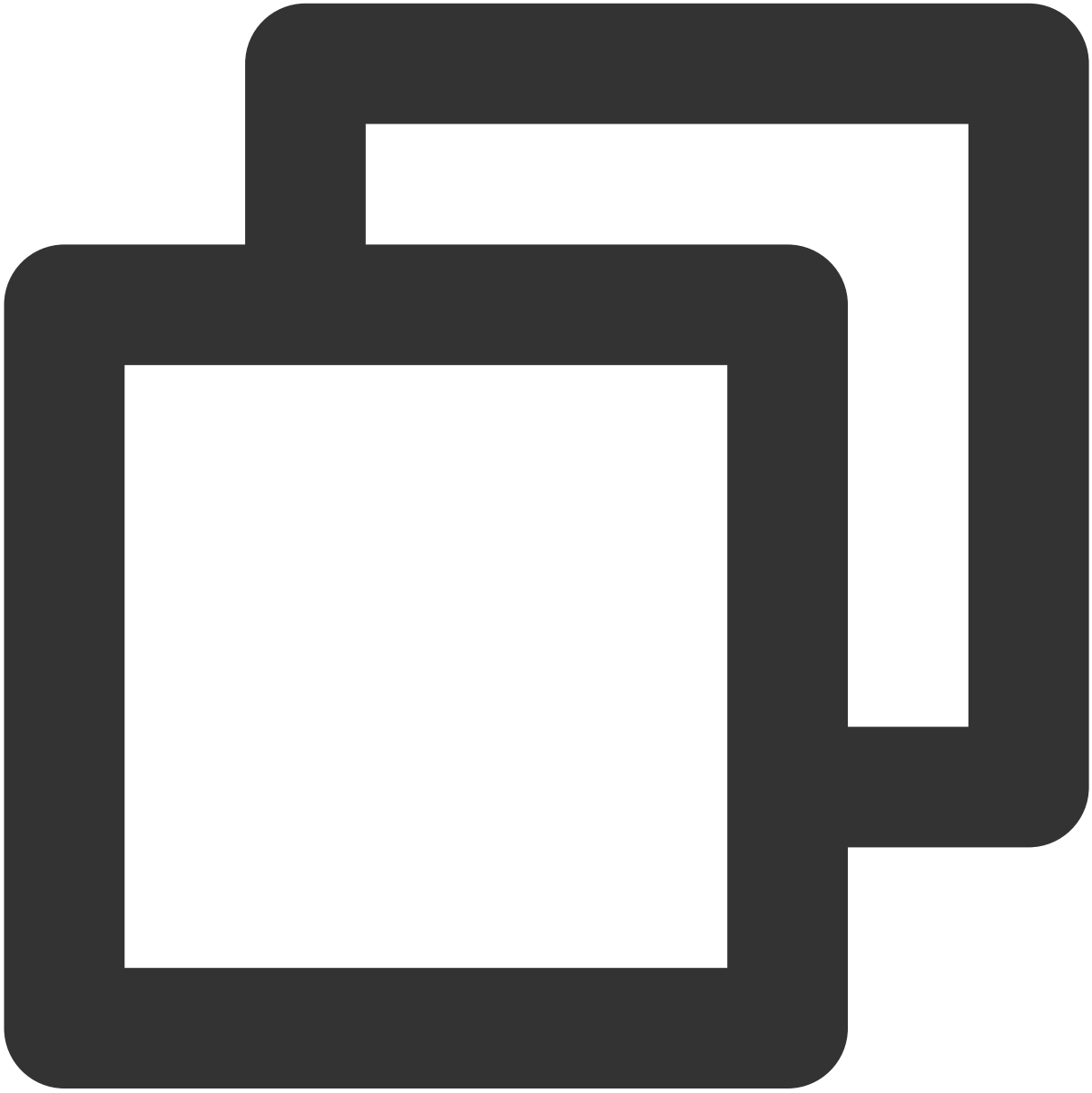
```
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "MsgKey": "128493_903762_1572870301"
}
```

Response when the message was not sent to some target accounts



```
{
    "ActionStatus": "SomeError",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "MsgKey": "4852_28135_1579678877",
```

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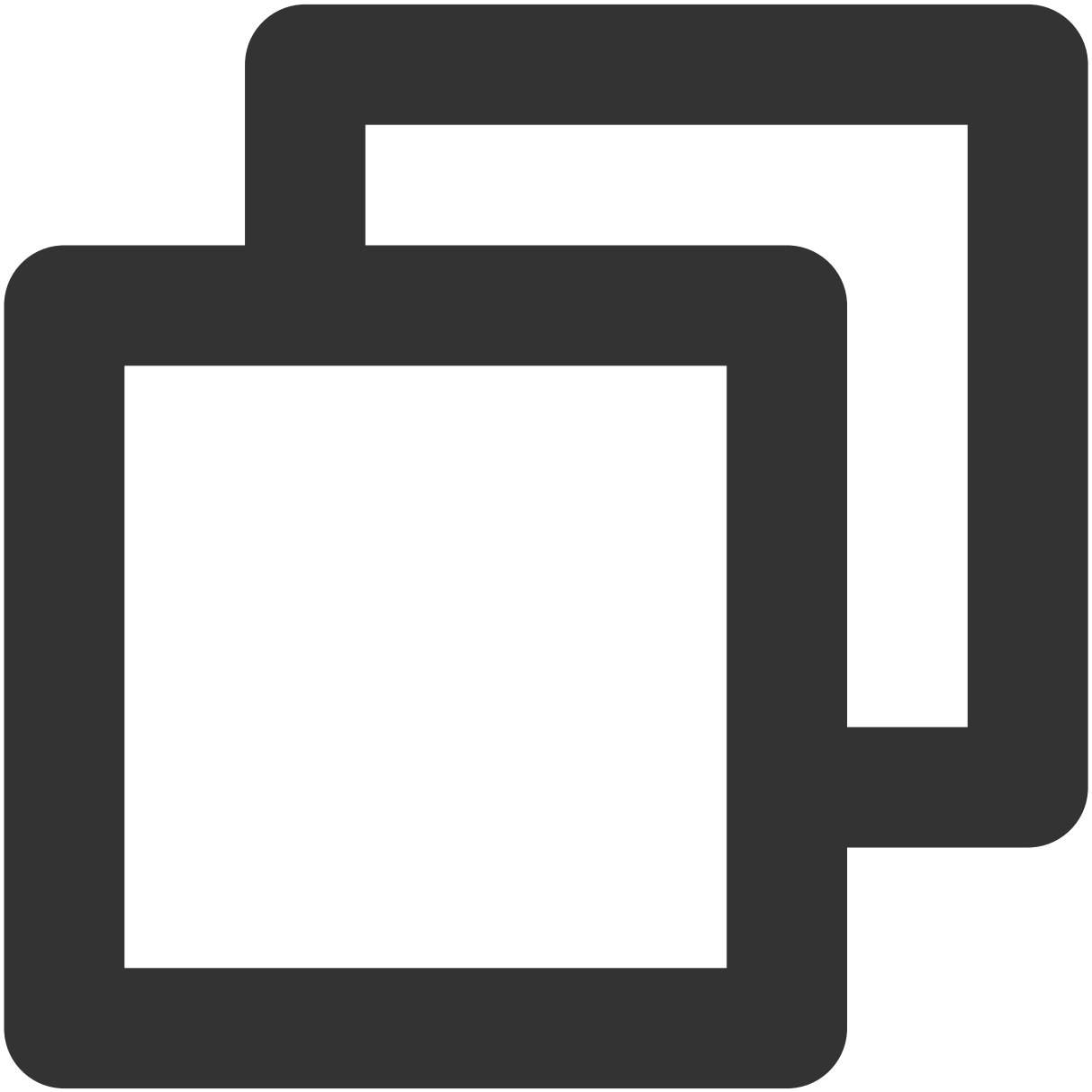
```
    "ErrorList": [ // List of the accounts to which the message was not sent
        {
            "To_Account": "rong", // Account to which the message was not sent
            "ErrorCode":  70107 // Error code. `70107` indicates that the account doe
        }
    ]
}
```

Response when the message was sent to none of the target accounts



```
{
    "ActionStatus": "FAIL",
```

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```
    "ErrorInfo": "invalid To_Account",
    "ErrorCode": 90012
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code returned for the request. If the message was sent to any account, the value is `0` . If the message was sent to none of the target accounts, the value is not `0` .
ErrorInfo	String	Error information
ErrorList	Array	List of the target accounts to which the message was not sent or that do not exist. If the message was sent to all the target accounts, the value of this field is empty.
ErrorList.To_Account	String	Target account to which the message was not sent.
ErrorList.ErrorCode	Integer	Error code indicating that the message was not sent. If the error code is 70107, the account does not exist.
MsgKey	String	Unique identifier of the message. This field is required to recall a message. The value is a string of no more than 50 characters.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
70107	The requested account does not exist.
70169	Server timeout. Try again later.
90001	Failed to parse the JSON request. Make sure the format is valid.

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90002	The `MsgBody` in the JSON request does not meet message format requirements or `MsgBody` is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90004	Invalid `MsgSeq` field in the JSON request.
90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90008	The JSON request does not contain the `From_Account` field or the account specified in `From_Account` does not exist.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90011	The number of target accounts exceeds 500. Delete some `To_Account` .
90012	The account specified in `To_Account` does not exist or is not registered. Make sure the account has been imported to Chat and is correct.
90026	The offline retention time of the message is incorrect. Messages cannot be retained offline for more than 7 days.
90048	The requested account does not exist.
90992	Internal service error. Try again. If this error code is returned for all requests and webhook is enabled, make sure the app server returns the results to the Chat backend normally.
91000	Internal service error. Try again.
93000	The JSON packet exceeds the maximum size of 12 KB.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Sending One-to-One Messages to One User (v4/openim/sendmsg)

Sending Ordinary Messages in a Group (v4/group_open_http_svc/send_group_msg)

Sending System Messages in a Group (v4/group_open_http_svc/send_group_system_notification)

Message Formats

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Sending Ordinary Messages in a Group

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the app admin to send ordinary messages in a group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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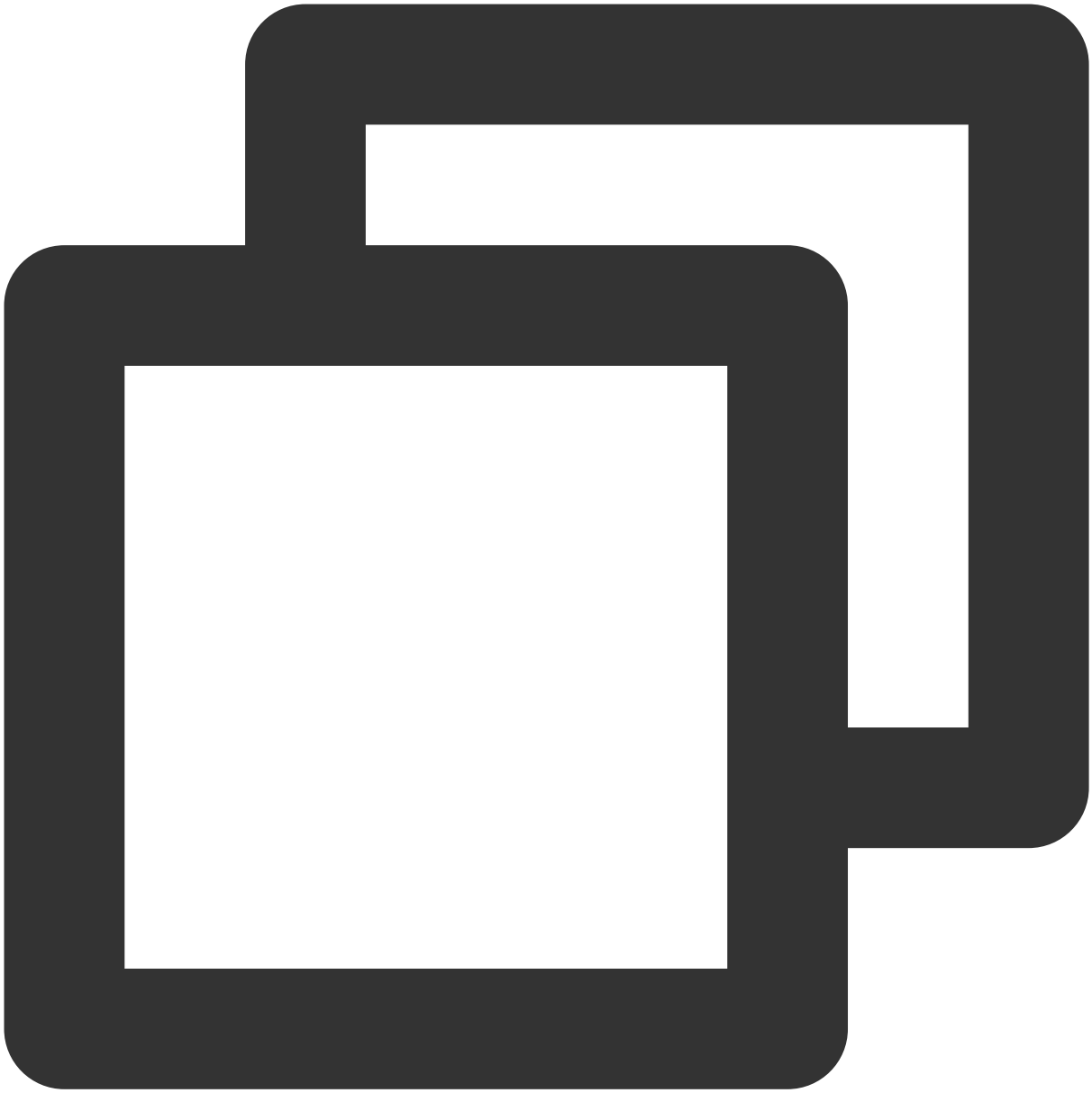

```
https://xxxxxx/v4/group_open_http_svc/send_group_msg?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/send_group_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

The app admin sends ordinary group messages, and the sender is the app admin.

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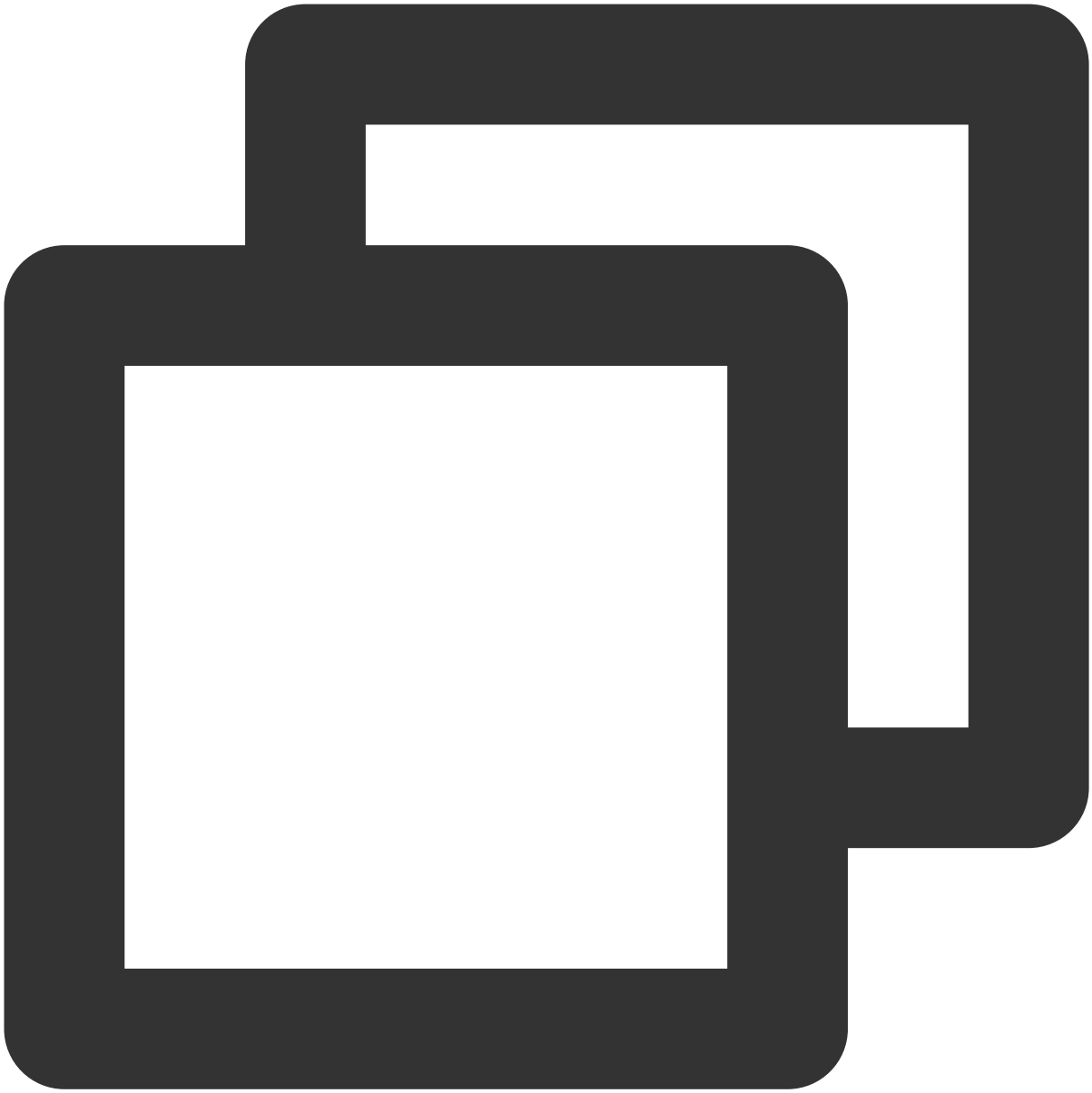

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Random": 8912345, // A random number. If the random numbers of two messages are
  "MsgBody": [ // Message body, which consists of an element array. For details, se
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
          }
      },
      {
```

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```
            "MsgType": "TIMFaceElem", // Emoji
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "SupportMessageExtension": 0,
    "OfflinePushInfo": {
        "PushFlag": 0, // Normal push
        "Desc": "Content to push offline",
        "Ext": "Passthrough content",
        "AndroidInfo": {
            "Sound": "android.mp3"
        },
        "ApnsInfo": {
            "Sound": "apns.mp3",
            "BadgeMode": 1, // If this field is left as default or is set to `0`, the
            "Title":"apns title", // APNs title
            "SubTitle":"apns subtitle", // APNs subtitle
            "Image":"www.image.com" // Image URL
        }
    }
}
```

Specifying the message sender

The app admin can specify a group member as the message sender in `From_Account` .

After receiving the message, other members will see that the message is sent from the group member specified by the app admin.

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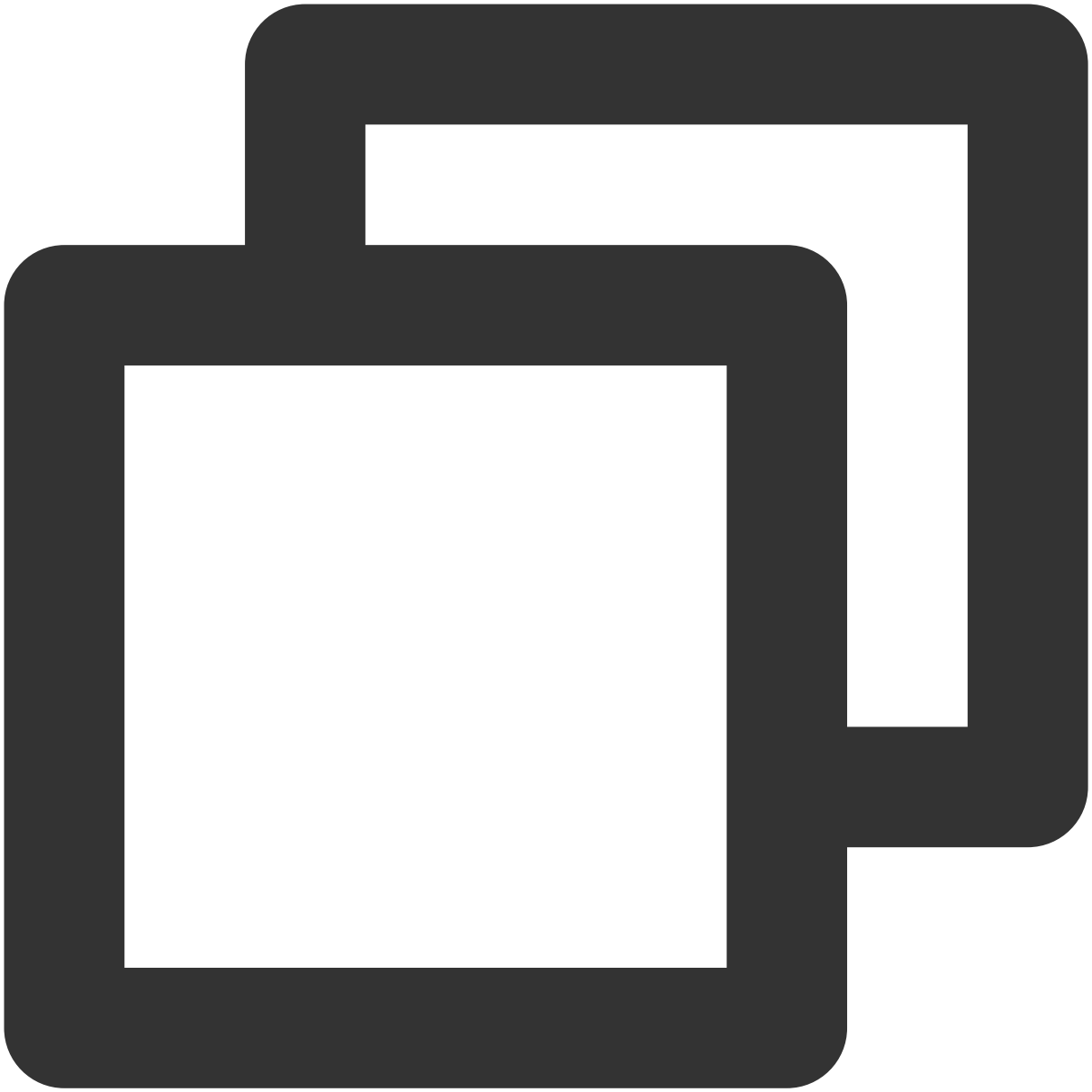

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "From_Account": "leckie", // Message sender (optional)
  "Random": 8912345, // A random number. If the random numbers of two messages are
  "MsgBody": [ // Message body, which consists of an element array. For details, se
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
          }
      },
```

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```
        {
            "MsgType": "TIMFaceElem", // Emoji
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Specifying the message recipient

If `To_Account` is added to the message body, and a message recipient is specified in it, the message will be sent only to the specified recipient, and the message is excluded from the unread count. (Supported group types: Private, Public, ChatRoom)

Note

This feature is supported only in the Premium edition.

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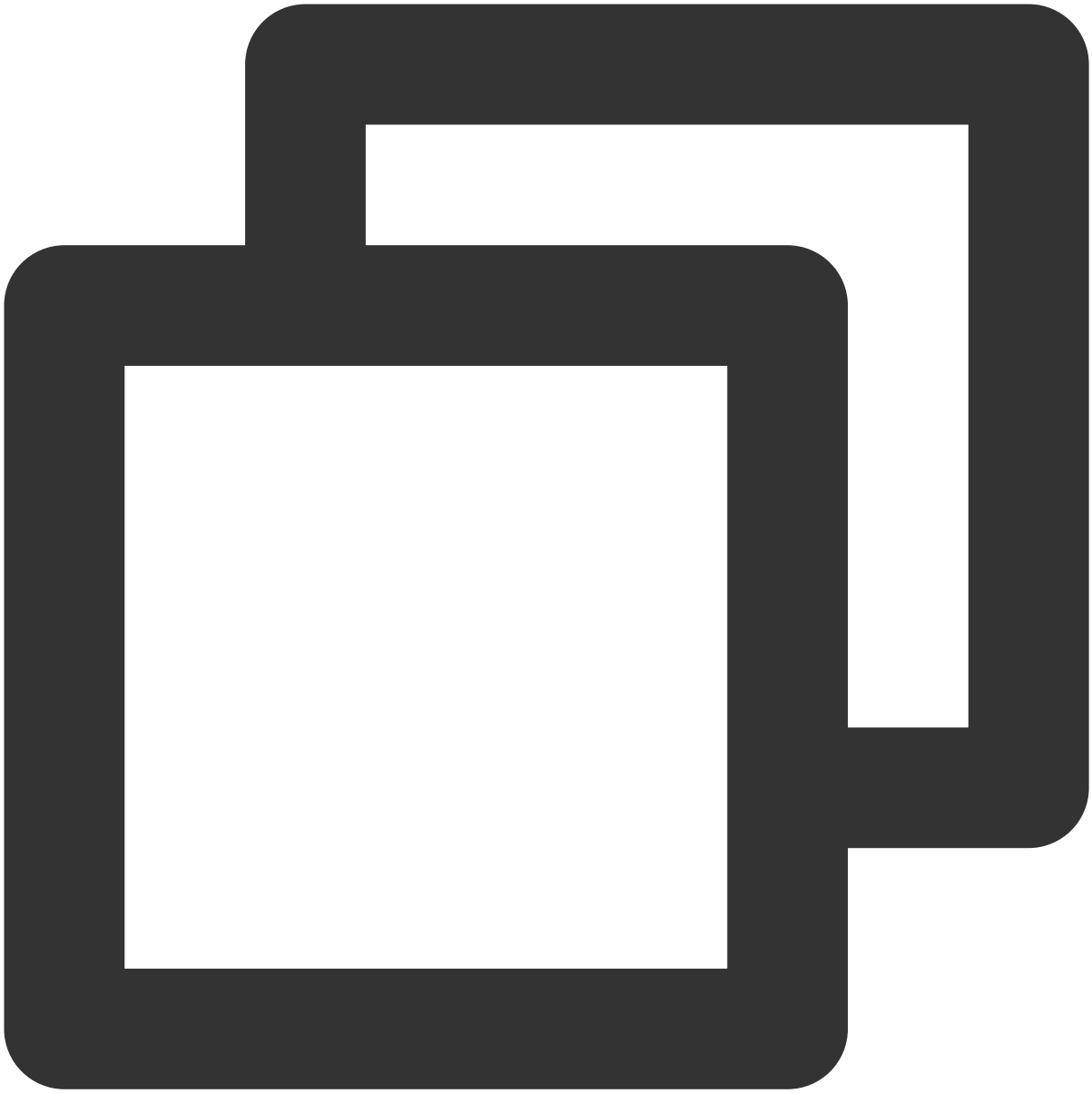

```
{
  "GroupId":"@TGS#12DEVUDHQ",
  "Random":2784275388,
  "MsgBody":[
      {
          "MsgType":"TIMCustomElem",
          "MsgContent":{
              "Data":"1cddddddddq1"
          }
      }
  ],
```

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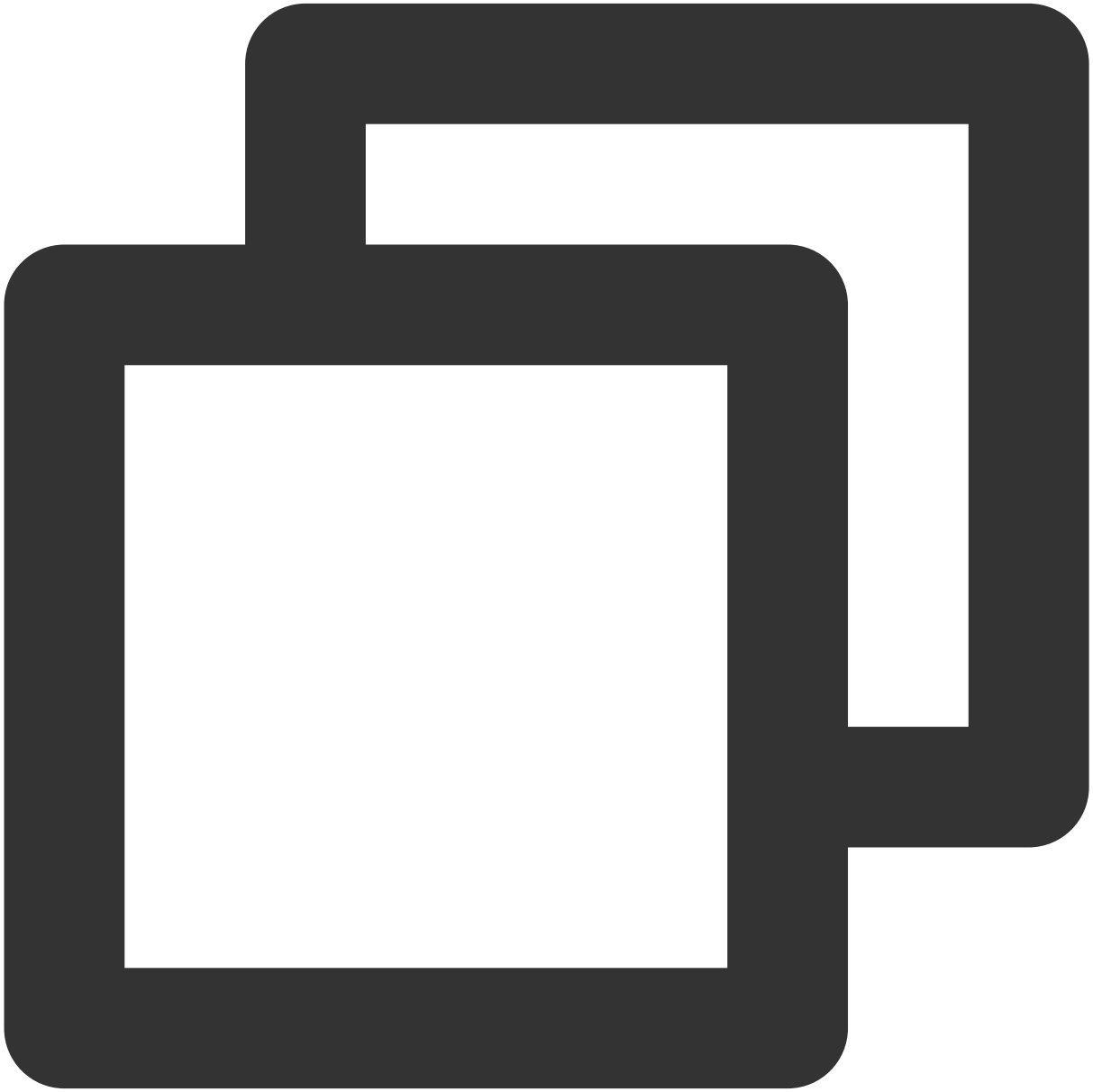
```
    "To_Account":["brennanli2", "brennanli3"] // Specify the message recipient (up to
}
```

Specifying that messages do not trigger conversation update

If `SendMsgControl` is set to `NoLastMsg`, it indicates not to trigger conversation update; if it is set to `NoUnread`, it indicates not to include the message in the unread count (this field cannot be used for audio-video groups (AVChatRoom). For meeting groups (Meeting), messages are excluded from the unread count by default, and you need to enable the feature; otherwise, an error will be reported when `NoUnread` is set).



```
{
```

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```
    "GroupId": "@TGS#2C5SZEAEF",
    "Random": 8912345, // A random number. If the random numbers of two messages are
    "SendMsgControl":["NoLastMsg"],// Do not trigger conversation update.
    "MsgBody": [ // Message body, which consists of an element array. For details, s
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
            }
        },
        {
            "MsgType": "TIMFaceElem", // Emoji
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Specifying the message priority

You can specify the message priority. The default priority is `Normal`.

There are three priority options in descending order: `High`, `Normal`, and `Low`. They are case-sensitive.

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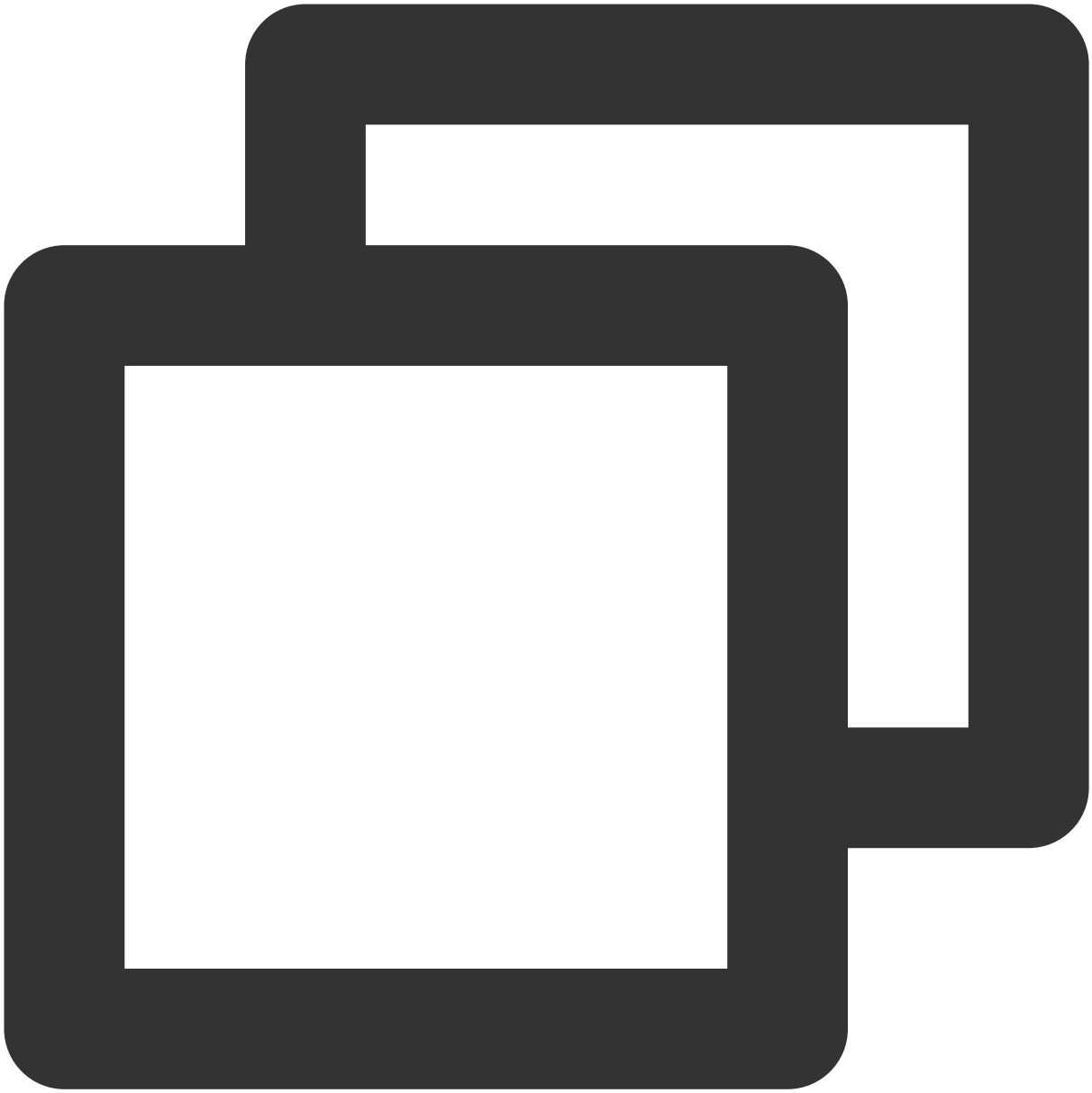

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Random": 8912345, // A random number. If the random numbers of two messages are
  "MsgPriority": "High", // Message priority
  "MsgBody": [ // Message body, which consists of an element array. For details, se
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
          }
      },
```

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```
        {
            "MsgType": "TIMFaceElem", // Emoji
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Forbidding callback for a message

When the callback switch is turned on, users can specify `ForbidCallbackControl` to control whether to initiate callback for a single message. By default, callback is initiated.

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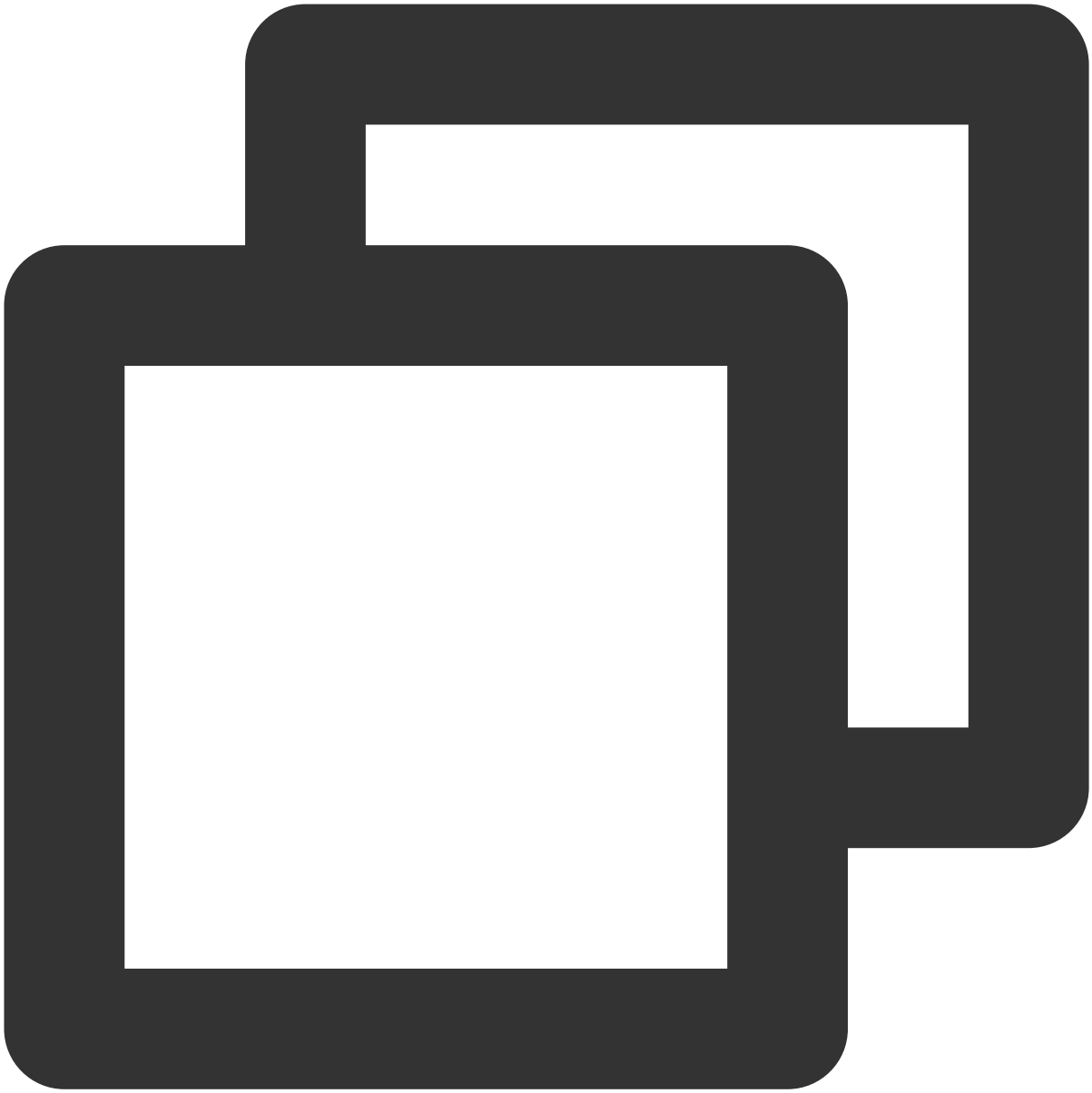

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Random": 8912345, // A random number. If the random numbers of two messages are
  "ForbidCallbackControl":[
          "ForbidBeforeSendMsgCallback",
          "ForbidAfterSendMsgCallback"], // Callback forbidding control option
  "MsgBody": [ // Message body, which consists of an element array. For details, se
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
```

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```
            }
        },
        {
            "MsgType": "TIMFaceElem", // Emoji
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Sending group @ messages

The mentioned users (@) set in the `GroupAtInfo` field have a one-to-one and sequential correspondence to the mentioned @ users in the message body.

Caution

Audio-video groups (AVChatroom) don't support the @all feature.

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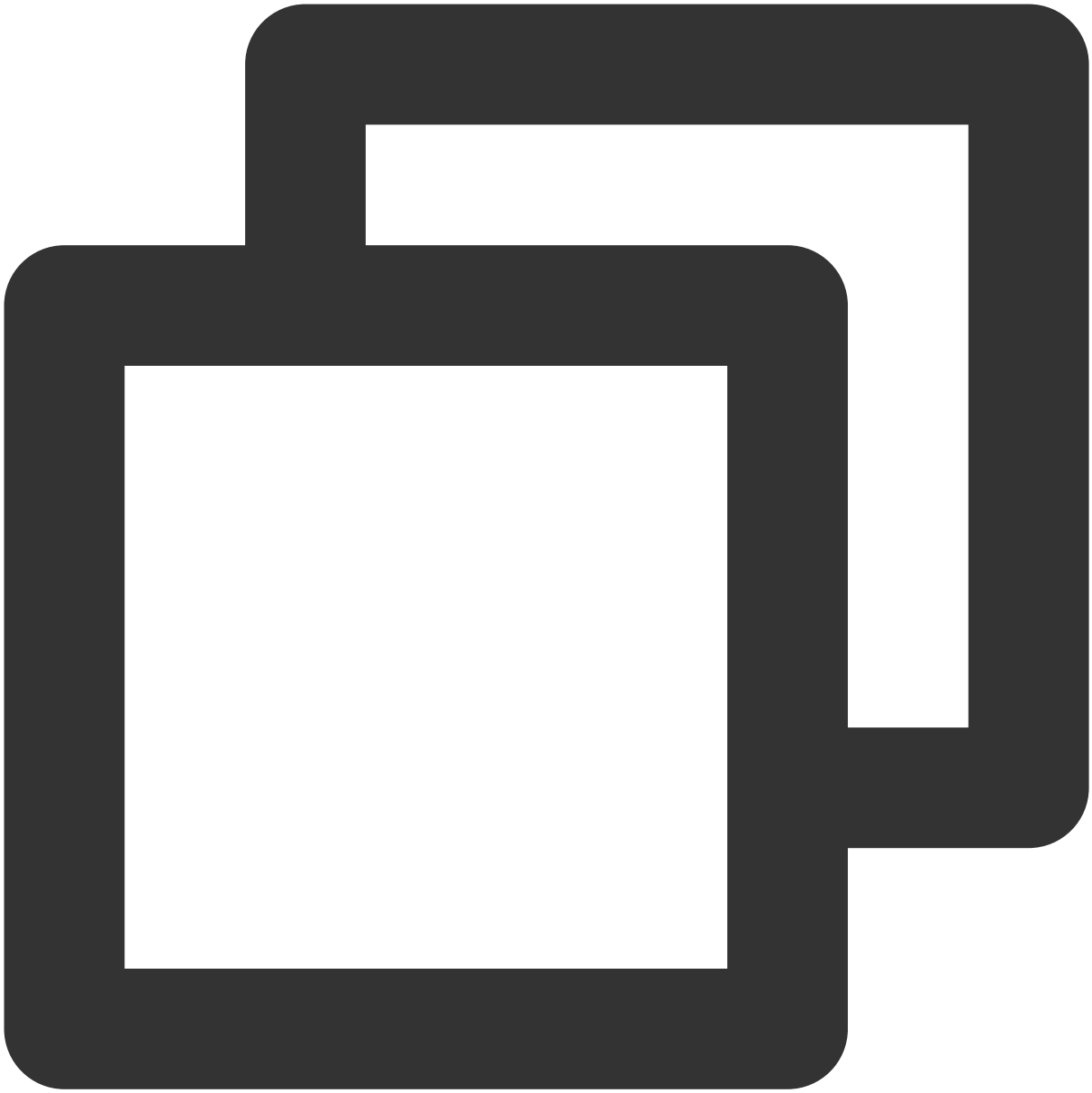

```
{
    "GroupId": "@TGS#2C5SZEAEF",
    "Random": 8912345, // A random number. If the random numbers of two message
    "MsgBody": [ // Message body, which consists of an element array. For detai
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red @all @tommy @brennanli packet"
            }
        }
    ],
```

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```
        // It corresponds to @all @tommy @brennanli in the text information.
        "GroupAtInfo":[
        {
            "GroupAtAllFlag":1 // `1`: @ all ; `0`: @ a certain group member
        },
        {
            "GroupAtAllFlag":0,
            "GroupAt_Account":"tommy" // @ a specific group member
        },
        {
            "GroupAtAllFlag":0,
            "GroupAt_Account":"brennanli"
        }
     ]
    }
```

Specifying messages for online delivery without offline or roaming retention

If **OnlineOnlyFlag** in the message body is set to a value greater than `0`, the message is for online delivery only, not for offline or roaming retention (not available for AVChatRoom or BChatRoom).

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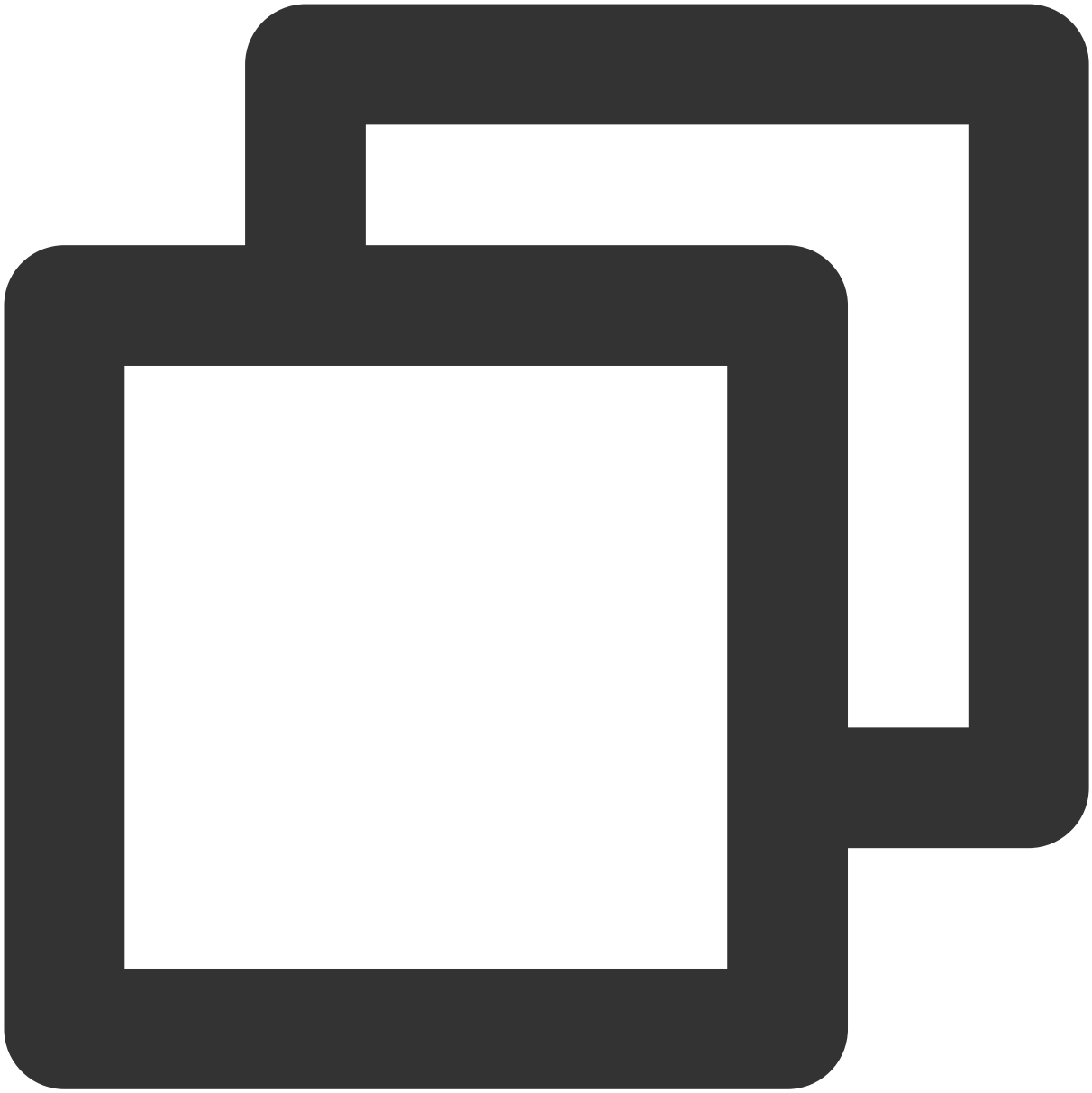

```
{
    "GroupId": "@TGS#2C5SZEAEF",
    "Random": 8912345, // A random number. If the random numbers of two messages
    "OnlineOnlyFlag": 1, // The message is for online delivery only (only online
    "MsgBody": [ // Message body, which consists of an element array. For details
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
            }
        },
```

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```
            {
                "MsgType": "TIMFaceElem", // Emoji
                "MsgContent": {
                    "Index": 6,
                    "Data": "abc\\u0000\\u0001"
                }
            }
        ]
    }
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group to which the message will be sent
Random	Integer	Yes	A 32-bit unsigned integer. If the content and random numbers of two messages within five minutes are the same, the later message will be discarded as a repeated message.
MsgPriority	String	No	Message priority
MsgBody	Array	Yes	Message body. For more information, see Message Formats.
From_Account	String	No	Message source account. If this field is not specified, the message sender is the app admin account used to call the API. Alternatively, apps can specify the message sender in this field to implement some special features. Note that if this field is specified, you must ensure that the account in this field exists.
OfflinePushInfo	Object	No	Information of offline push. For more information, see Message Formats.
ForbidCallbackControl	Array	No	Message callback forbidding option, valid only for a single message. `ForbidBeforeSendMsgCallback` : callback before sending the message is forbidden; `ForbidAfterSendMsgCallback` : callback after sending the message is forbidden.
OnlineOnlyFlag	Integer	No	`1` : send to online members only; `0` (default value): send to all members. This field is not valid for audio-video groups (AVChatRoom).

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SendMsgControl	Array	No	Message sending permission, only valid for the current message. `NoLastMsg` : do not trigger conversation update; `NoUnread` : do not include the message in the unread count. (If `OnlineOnlyFlag` is set to `1` for the message, this field cannot be used.)
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.
SupportMessageExtension	Integer	No	Whether the message supports message extension. `0` : No. `1` : Yes
To_Account	Array	No	Specify up to 50 message receivers. If this field is used, the message will be excluded from the unread count. It is available only in the Premium edition for work groups (Work), public groups (Public), and meeting groups (Meeting).
TopicId	String	No	Topic ID, which indicates sending ordinary messages in the topic and applies only to topic-enabled communities.

Sample responses

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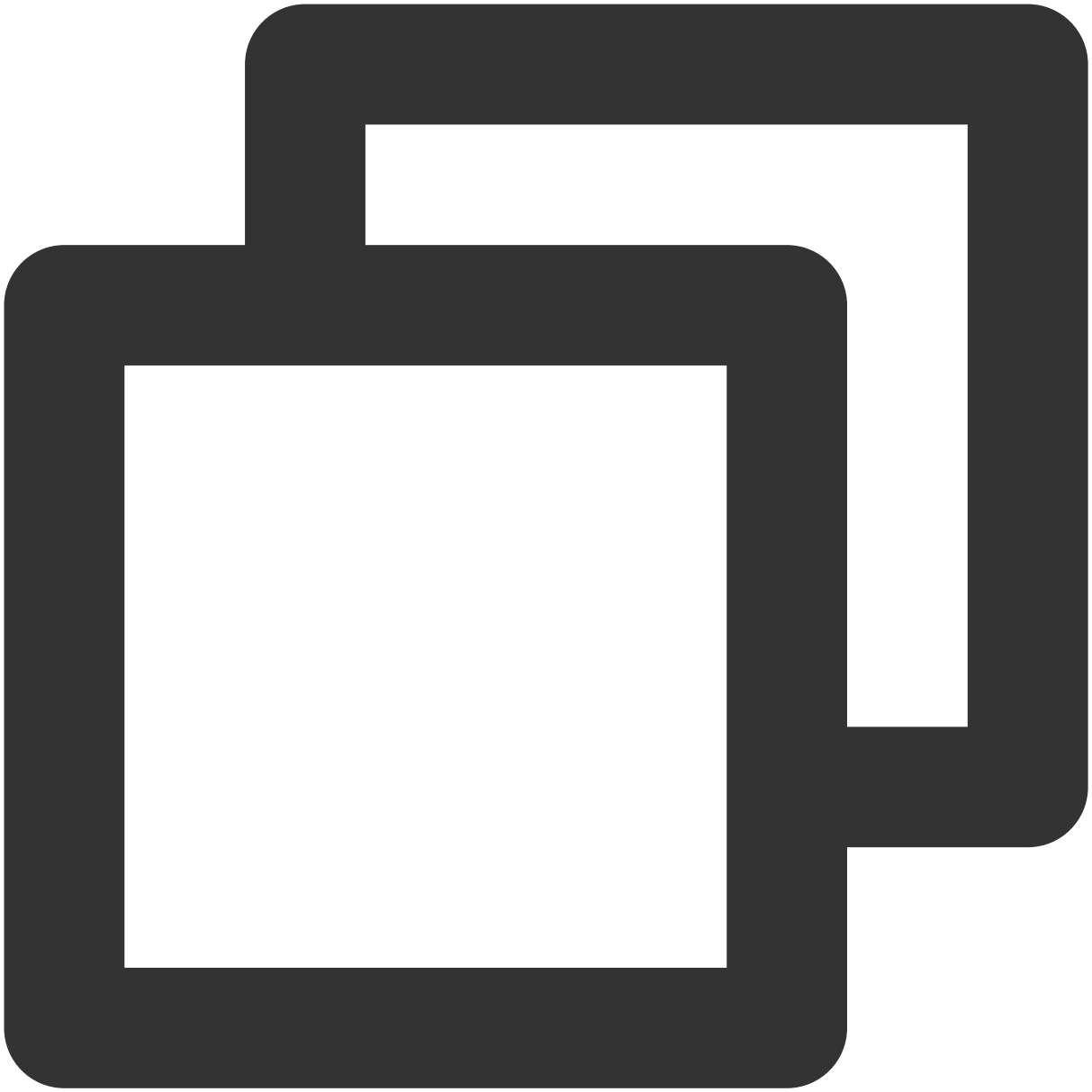

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MsgTime": 1497249503,
    "MsgSeq": 1,
    "MsgDropReason" : "MsgFreqCtrl"
}
```

Response fields

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Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MsgTime	Integer	Message sending timestamp, corresponding to the backend server time
MsgSeq	Integer	Message sequence number, the unique identifier of a message
MsgDropReason	String	Reason for discarding the message. It is empty by default. Currently, only messages that exceed the frequency limit are discarded.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a member in a public group tries to remove other users from the group (only the app admin can perform this operation).
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use a correct group ID.
10016	The app backend rejected this operation through a third-party callback.
10017	The message cannot be sent due to muting. Check whether the sender is muted.
10023	The frequency limit for message sending is reached. Try again later.
80002	The message content is too long. Currently, the maximum message length supported is 12 KB. Please adjust the message length.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending System Messages in a Group (v4/group_open_http_svc/send_group_system_notification)
Sending One-to-One Messages to One User (v4/openim/sendmsg)
Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)
Message Formats

Possible Callbacks

After a Group Message Is Sent

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Sending System Messages in a Group

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by app admins to push system notifications to group chats.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes. But only to all group members.
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

A non-audio-video group supports sending system notifications to specified group members, but an audio-video group (AVChatRoom) only supports sending system notifications to all group members.

For more information on the API (`V2TIMGroupListener.onReceiveRESTCustomData`) for clients to receive system notifications, see Android or iOS.

Sample request URL

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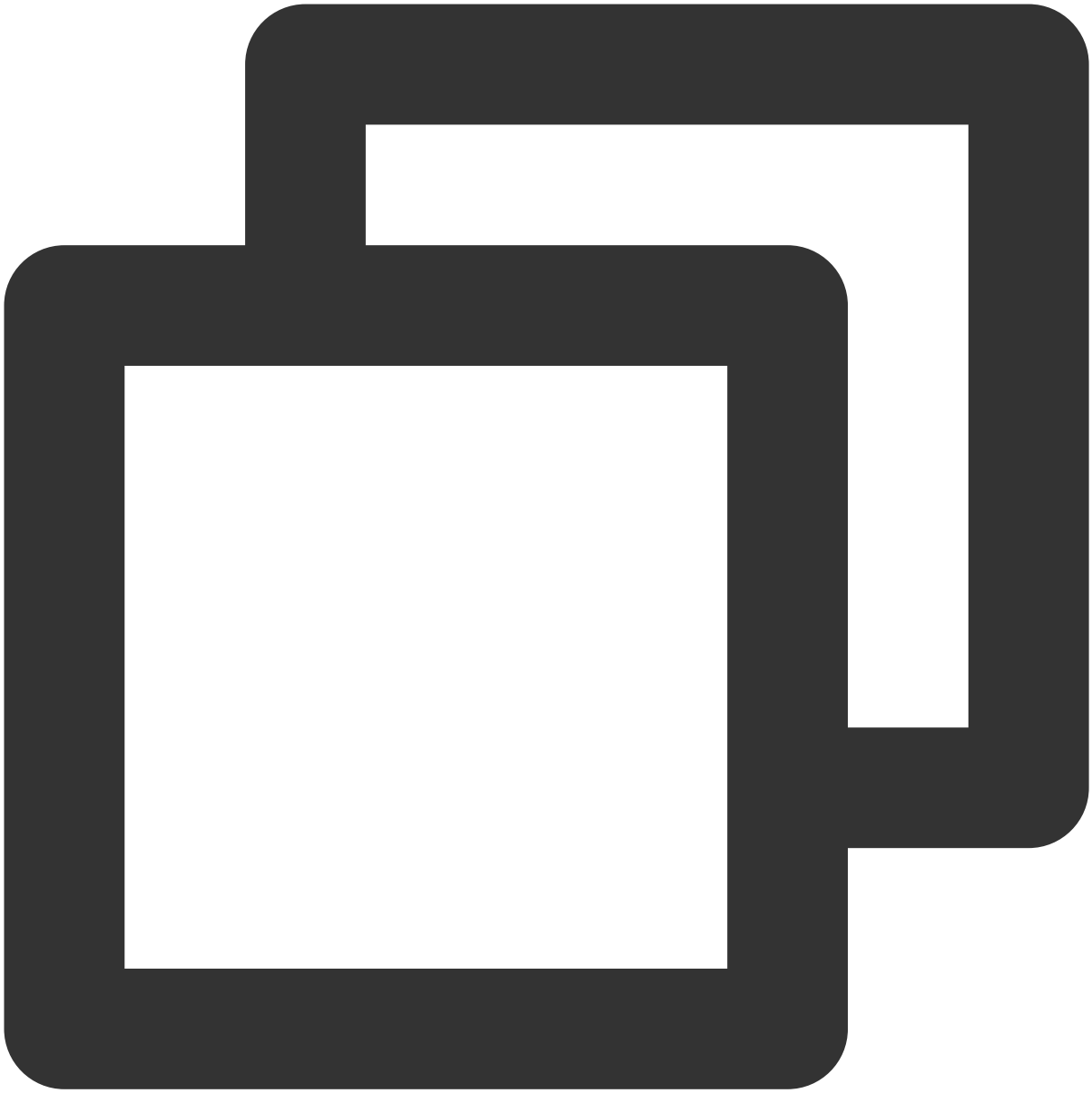

```
https://xxxxxx/v4/group_open_http_svc/send_group_system_notification?sdkappid=88888
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/send_group_system_notification	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

This example pushes a system notification to all members in a group.

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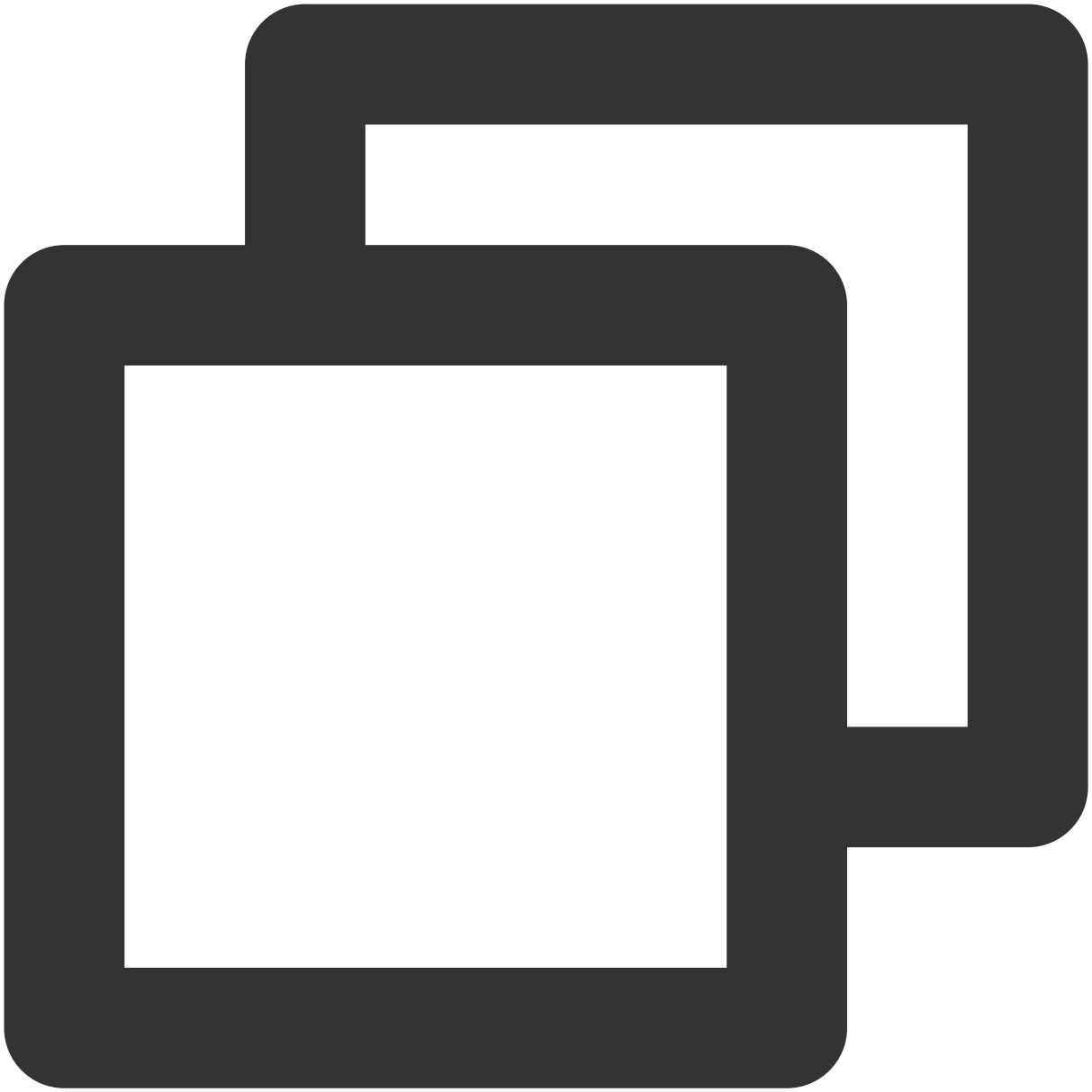

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Content": "Hello World" // Content of the notification
}
```

To specific members

To specify who can receive the system notification, set the recipients in `ToMembers_Account`. Audio-video groups (AVChatRoom) only support sending system notifications to all group members, but not specified group members.

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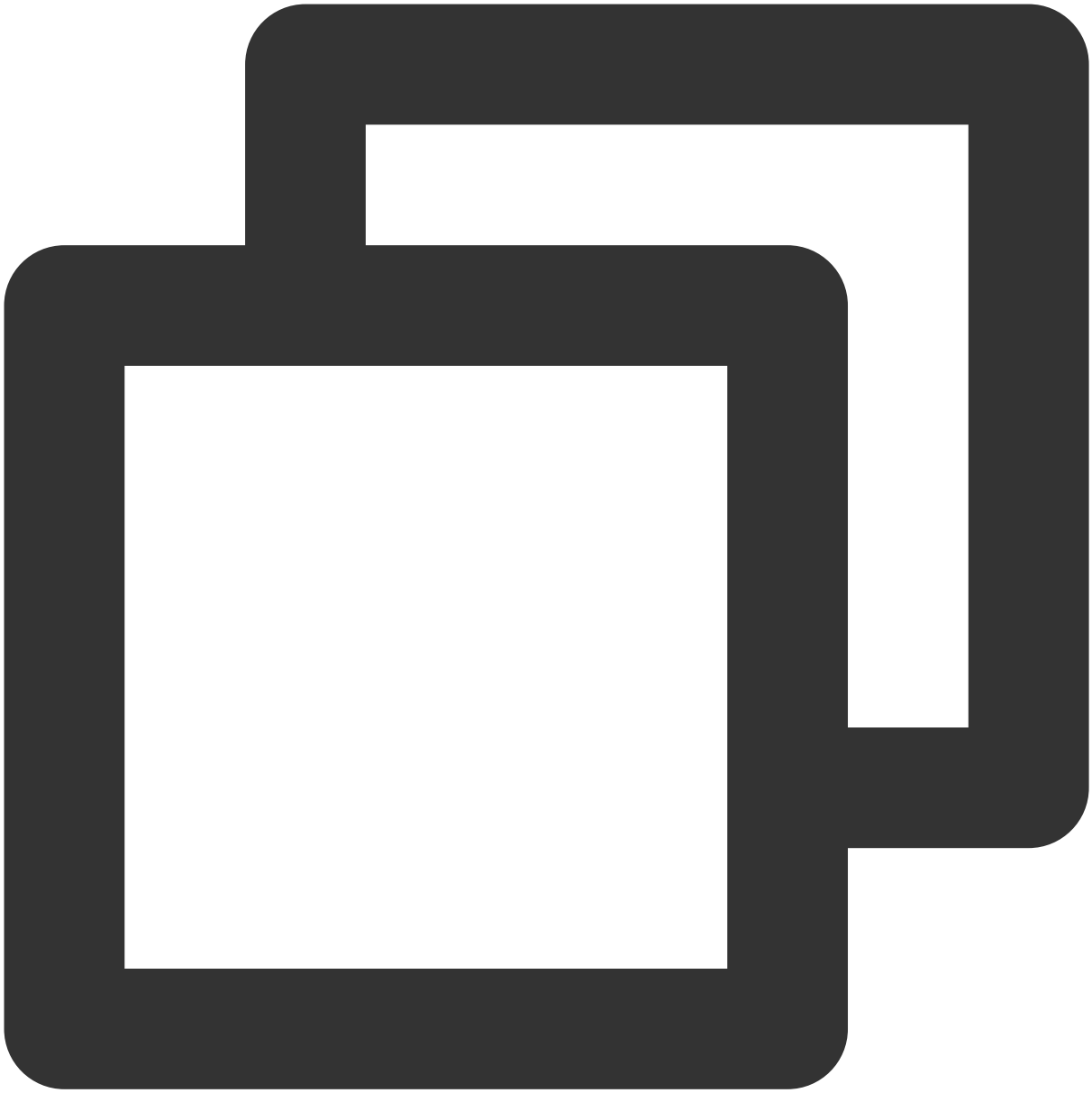

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "ToMembers_Account": [ // List of recipients. You can leave this field empty to s
      "peter",
      "leckie"
  ],
  "Content": "Hello World" // Content of the notification
}
```

Request fields

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Field	Type	Required	Description
GroupId	String	Yes	ID of the group to which the notification will be sent
ToMembers_Account	Array	Yes	List of recipients. Up to 500 recipient UserIDs are supported. You can leave this field empty to send the notification to all members.
Content	String	Yes	Content of the notification
TopicId	String	No	ID of the topic where system notices are sent. This field applies only to topic-enabled community groups.

Sample response

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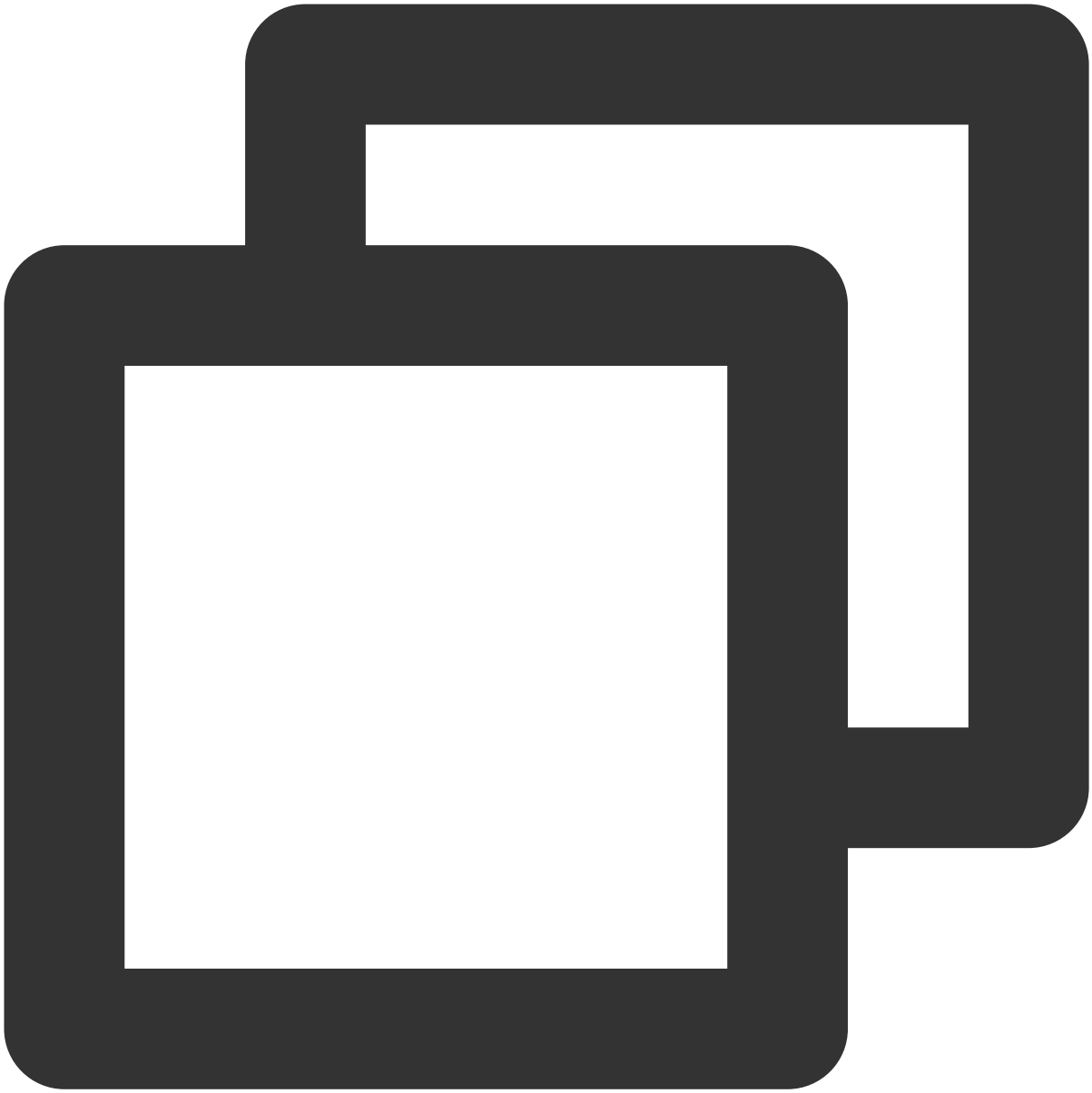

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use our RESTful API Tester to test your requests.

References

Sending Ordinary Messages in a Group (v4/group_open_http_svc/send_group_msg)

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Broadcast Message of Audio-Video Group

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to deliver broadcast messages to all the audio-video groups.

Note

This feature is supported by the SDK of the Enhanced edition on v6.5.2803 or later and the SDK for web on v2.21.0 or later. To use it, you need to purchase the Premium edition, go to the **console**, select **Feature configuration** > **Group configuration** > **Group feature configuration**, and enable **Broadcast messaging of audio-video group**.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes. Messages are sent to all the audio-video groups.
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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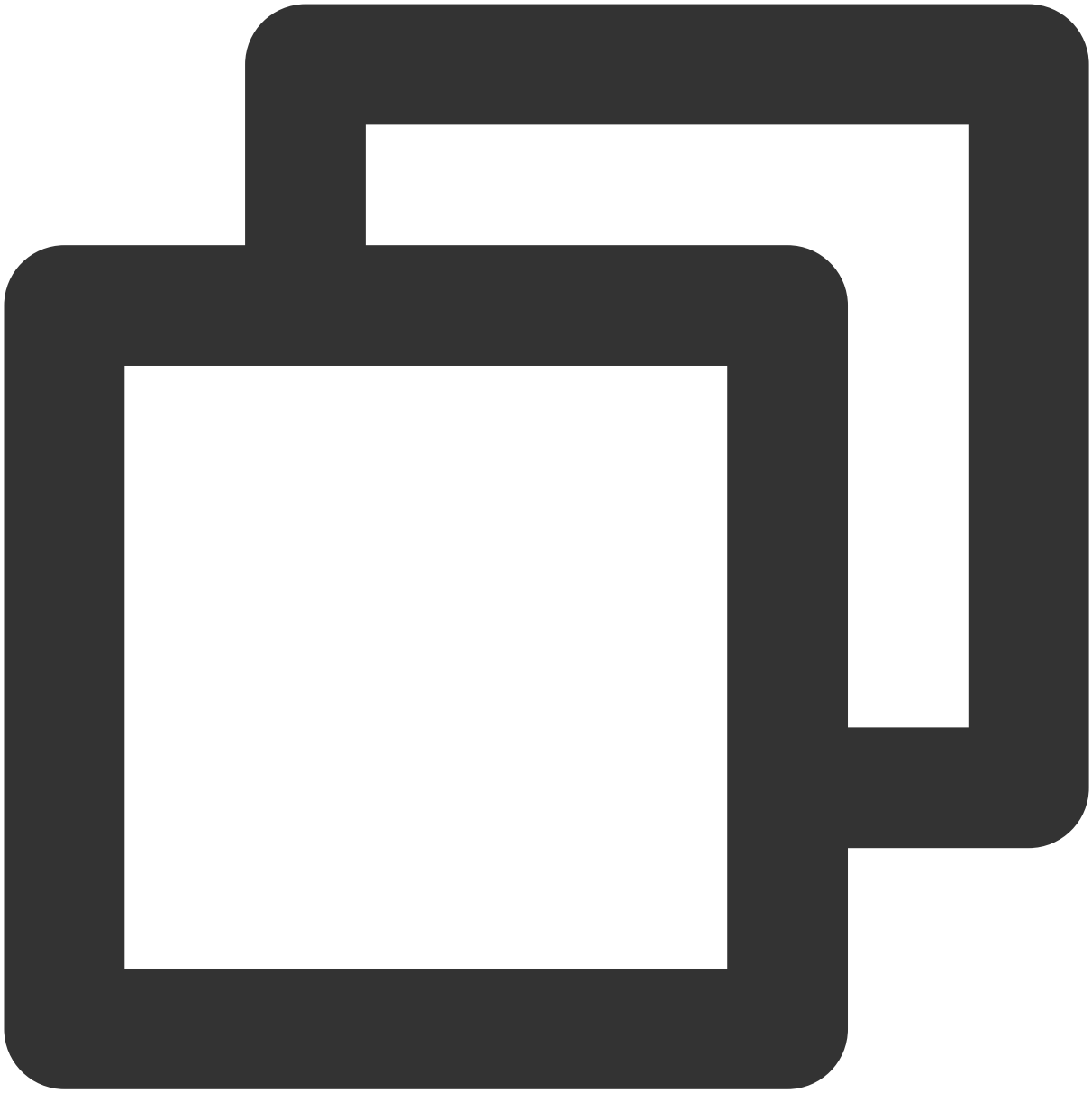

```
https://xxxxxx/v4/group_open_http_svc/send_broadcast_msg?sdkappid=88888888&identifi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/send_broadcast_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

1 times/second

Sample request

Basic format

It is used to deliver broadcast messages to all the audio-video groups.

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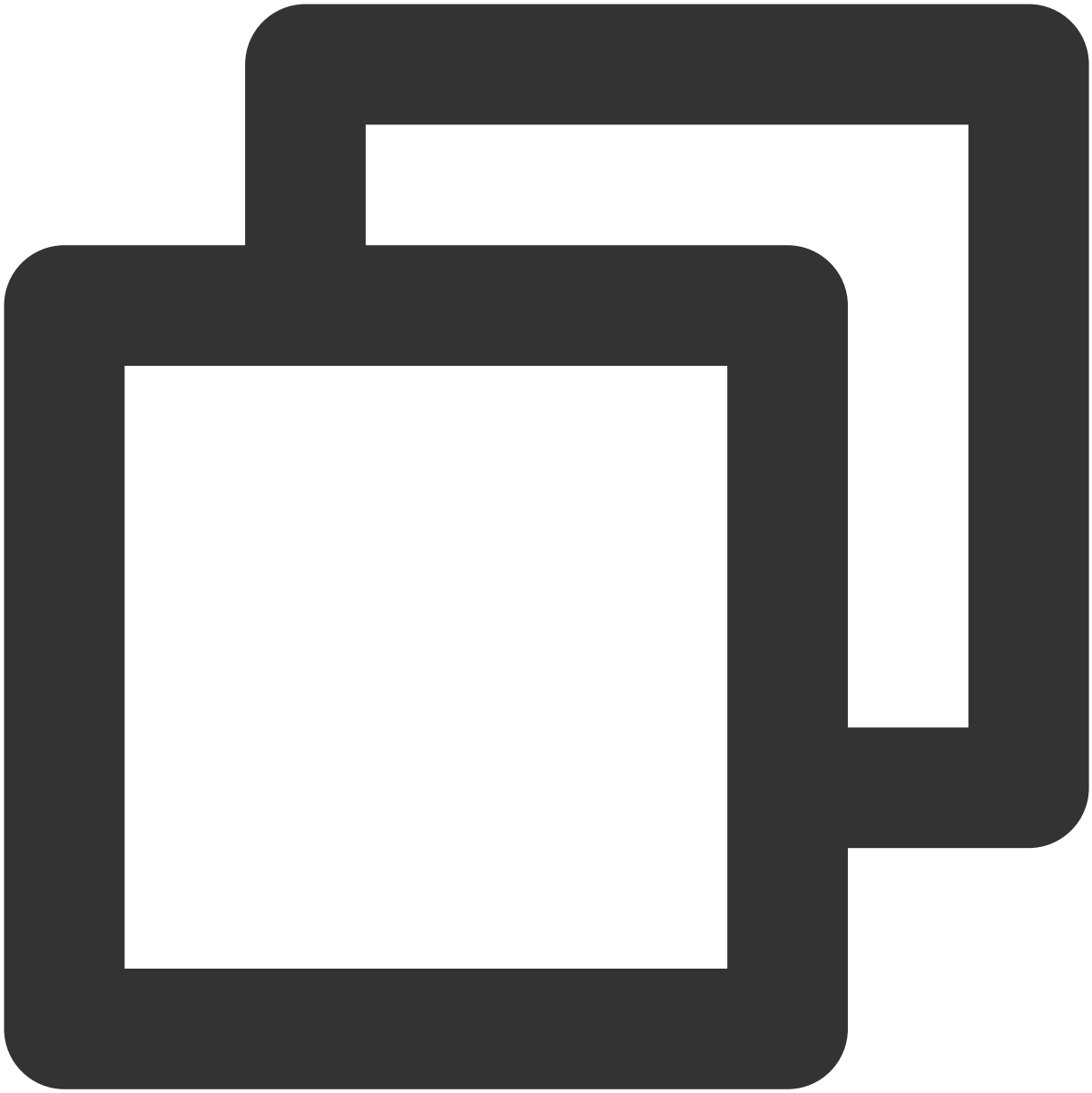

```
{
    "From_Account": "test",  // Specify the message sender (optional)
    "Random": 8912345, // A random number. If the random numbers of two messages ar
    "MsgBody": [
        {
            "MsgType": "TIMCustomElem", // Custom message
            "MsgContent": {
                "Data": "{ \\"type\\":1, \\"content\\":\\"hello world\\"}"
            }
        }
    ],
```

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```
    "CloudCustomData": "your cloud custom data"
}
```

Caution

`MsgBody` supports multiple message elements. If you need to call it more than once every second, the business can merge messages into one of up to 12,000 bytes.

Request fields

Field	Type	Required	Description
From_Account	String	No	Message source account. If this field is not specified, the message sender is the app admin account used to call the API. Alternatively, apps can specify the message sender in this field to implement some special features. Note that if this field is specified, you must ensure that the account in this field exists.
Random	Integer	Yes	A 32-bit unsigned integer. If the content and random numbers of two messages within five minutes are the same, the later message will be discarded as a repeated message.
MsgBody	Array	Yes	Message body. For more information, see Message Formats.
CloudCustomData	String	No	Custom message data

Sample response

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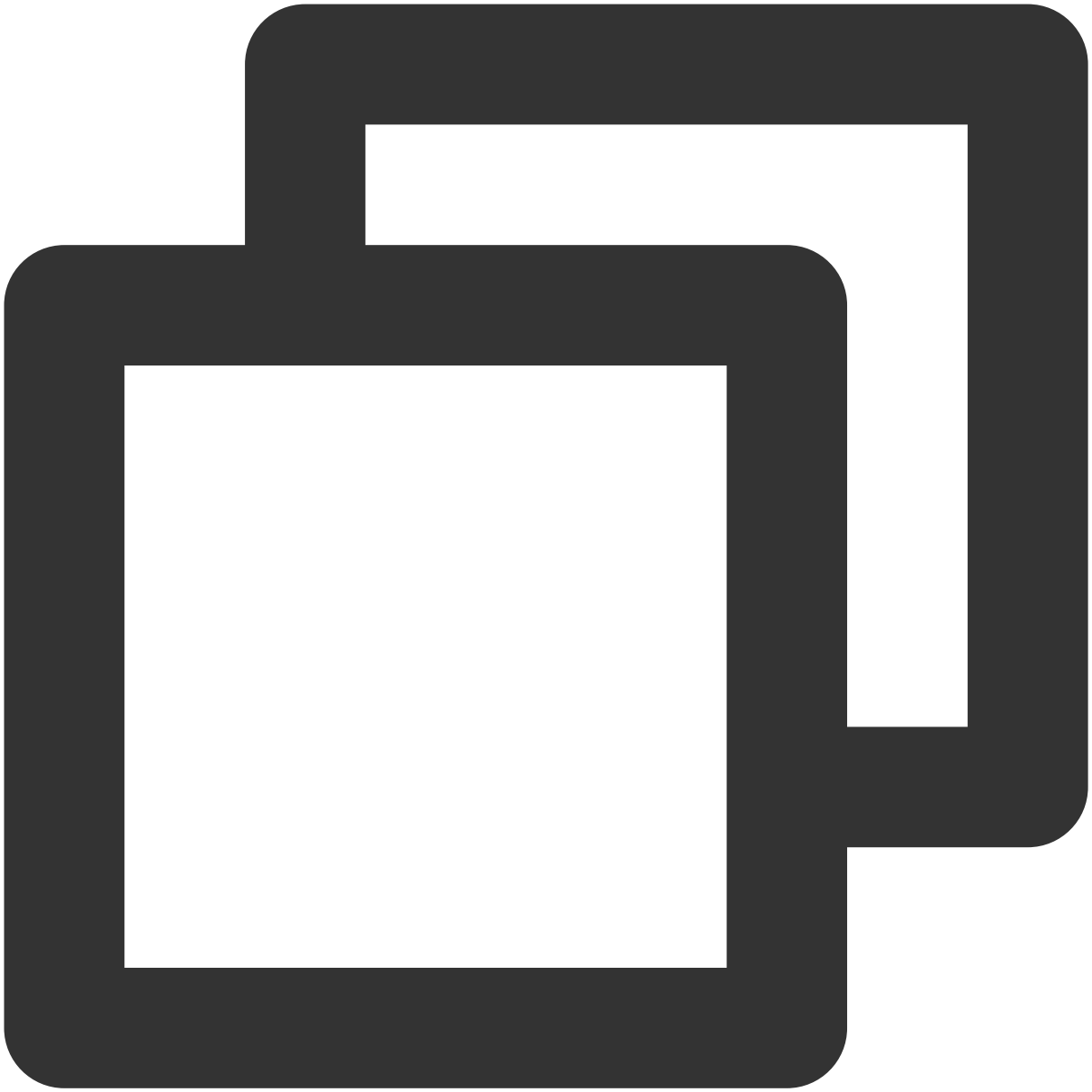

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MsgSeq": 1283
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MsgSeq	Integer	Message sequence number, the unique identifier of a message

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	Insufficient operation permissions. For example, the switch is not enabled in the console, or the operating account is not the root account.
10023	The frequency limit for message sending is reached. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending Ordinary Messages in a Group (v4/group_open_http_svc/send_group_msg)

Message Formats

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Importing One-to-One Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API imports one-to-one chat history to Tencent Cloud Chat** in chronological order**.
It imports your messages from other instant messaging platforms to Tencent Cloud Chat **in chronological order**.
It updates a conversation.
It does not trigger a callback.
It deduplicates the imported messages in a one-to-one conversation based on the `MsgSeq` , `MsgRandom` , and `MsgTimeStamp` fields. **When the values of all these three fields match their counterparts, the two messages are considered duplicates, regardless of their contents.** In addition, if the `MsgSeq` , `MsgRandom` , and `MsgTimeStamp` fields of the two messages matches each other, but `from_account` and `to_account` are opposite, the two messages are also considered duplicates.
Imported messages will not be overwritten by the same messages from later imports.
For one-to-one messages, the `MsgSeq` field is specified by the user when the message is sent. Its value can be repeated. It is not generated by the backend and not globally unique. **For group chat messages, the value of the `MsgSeq` field is generated by the backend, and each group maintains its respective `MsgSeq` which increases strictly from 1. For one-to-one messages, the historical messages of the same conversation are sorted by timestamp first, and then the historical messages of the same second are sorted by `MsgSeq` .**

API Calling Description

Sample request URL

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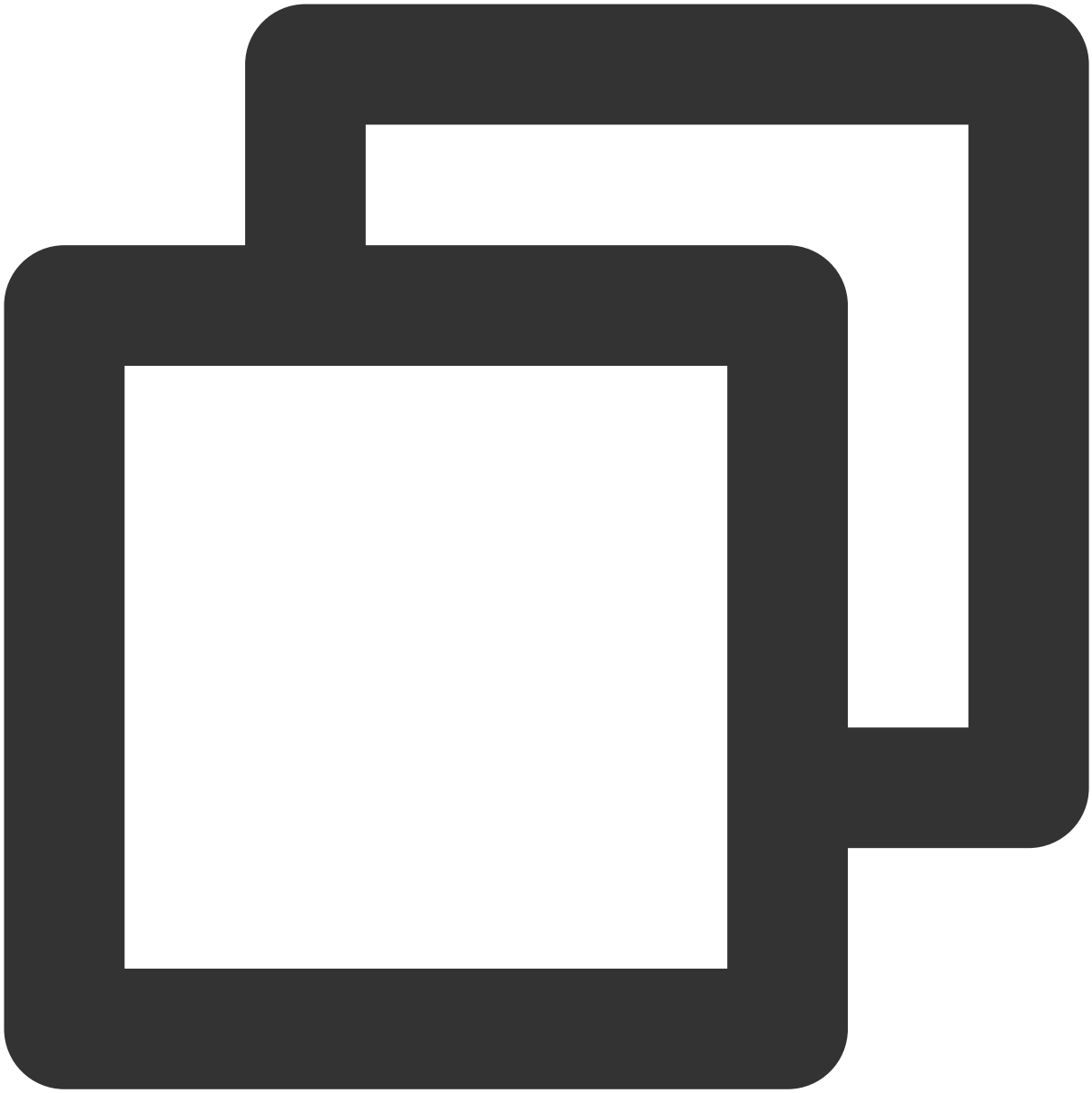

```
https://xxxxxx/v4/openim/importmsg?sdkappid=88888888&identifier=admin&usersig=xxx&r
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/importmsg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Importing real-time messages

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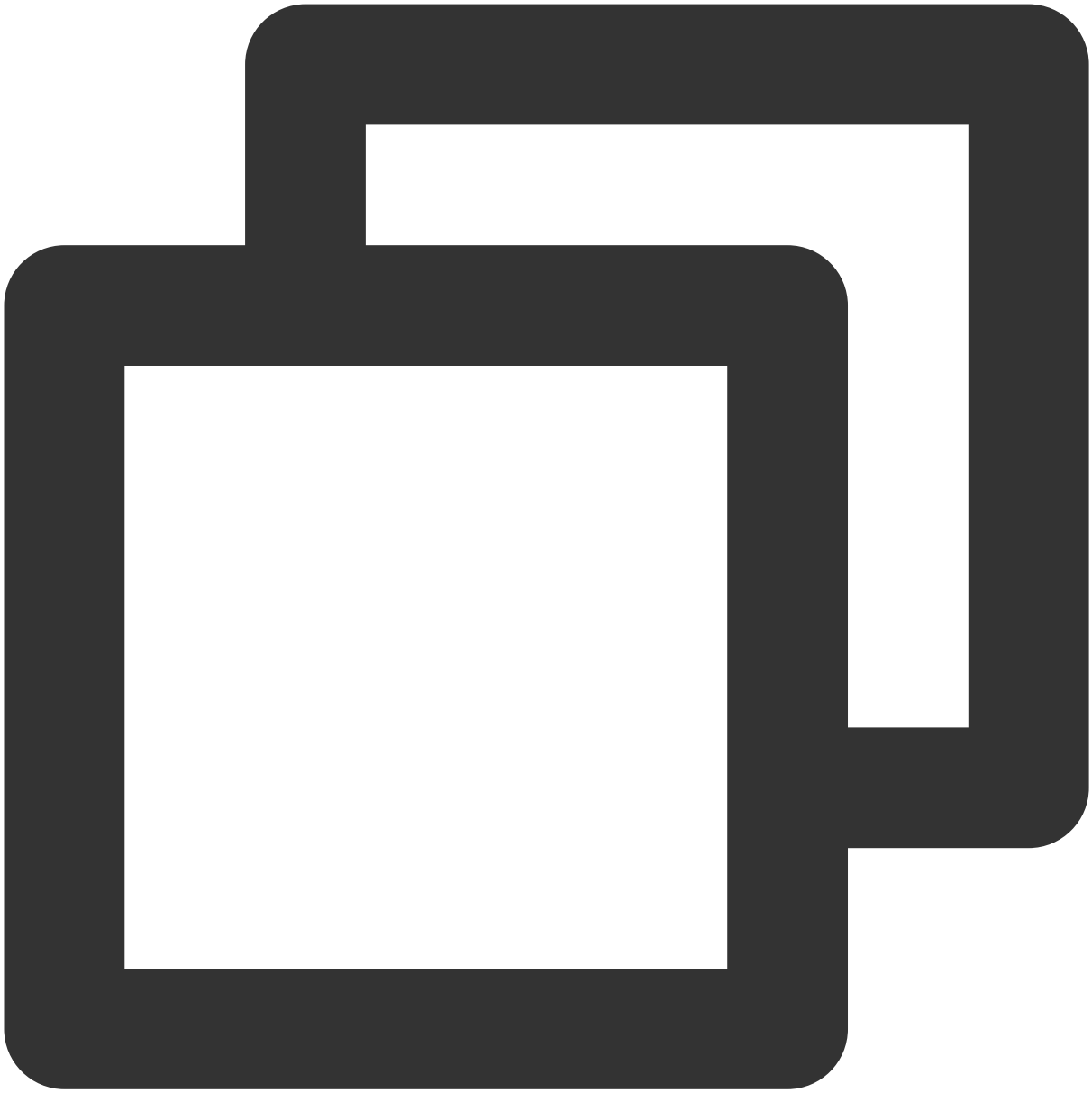

```
{
  "SyncFromOldSystem": 5, // Imports real-time messages, marks them as unread and p
  "From_Account": "lumotuwe1", // Account of the sender
  "To_Account": "lumotuwe2", // Account of the recipient
  "MsgSeq": 827092, // Sequence number of the message
  "MsgRandom": 1287657, // A random number assigned to the message
  "MsgTimeStamp": 1556178721, // UNIX timestamp in seconds
  "MsgBody": [ // Message body. This is a text message
      {
          "MsgType": "TIMTextElem", // Text message element
          "MsgContent": {
```

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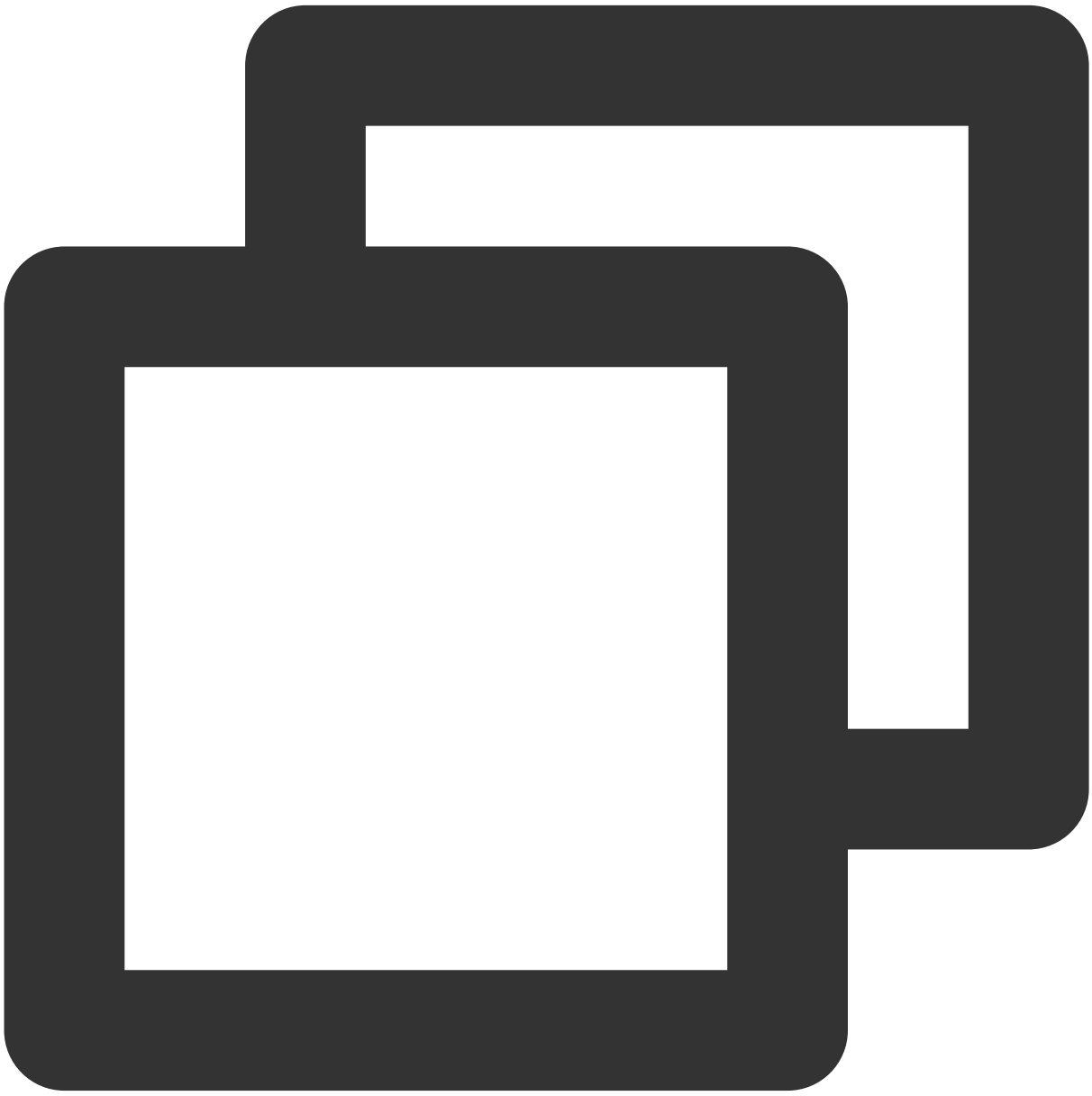
```
                "Text": "hi, beauty"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Importing historical messages



```
{
    "SyncFromOldSystem": 2, // Imports historical messages, marks them as read and do
    "From_Account": "lumotuwe1", // Account of the sender
```

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```
  "To_Account": "lumotuwe2", // Account of the recipient
  "MsgSeq": 827092, // Sequence number of the message
  "MsgRandom": 1287657, // A random number assigned to the message
  "MsgTimeStamp": 1556178721, // UNIX timestamp in seconds
  "MsgBody": [ // Message body. This is a text message
      {
          "MsgType": "TIMTextElem", // Text message element
          "MsgContent": {
              "Text": "hi, beauty" // Message content
          }
      }
  ],
  "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Required	Description
SyncFromOldSystem	Integer	Yes	Valid values: `2` and `5`. `2`: Imports historical messages, marks them as read and does not push them to the client. `5`: Imports real-time messages, marks them as unread and pushes them to the client.
From_Account	String	Yes	`UserID` of the sender, which is used to specify the message sender
To_Account	String	Yes	`UserID` of the recipient
MsgSeq	Integer	No	Sequence number (32-bit unsigned integer) of the message. The backend will use this field to remove duplicate messages and sort messages in the same second. For details, see **Feature Description**. If this field is left empty, the backend will enter a random number.
MsgRandom	Integer	Yes	Random number (32-bit unsigned integer) of the message. It is used by the backend for removing duplicate message within a second. Make sure a random number is entered.
MsgTimeStamp	Integer	Yes	UNIX timestamp in seconds. It marks the time when the message was sent and is used to remove duplicate messages. For details, see **Feature Description**.
MsgBody	Array	Yes	Message body. For details on formats, please see Message Formats. (Note: a message can contain multiple message

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			elements, in which case `MsgBody` is an array.)
MsgType	String	Yes	TIM message object type. Valid values: `TIMTextElem` (text message) `TIMLocationElem` (location message) `TIMFaceElem` (emoji message) `TIMCustomElem` (custom message) `TIMSoundElem` (voice message) `TIMImageElem` (image message) `TIMFileElem` (file message) `TIMVideoFileElem` (video message)
MsgContent	Object	Yes	Different message object types (`MsgType`) have different formats (`MsgContent`). For details, see Message Formats.
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled.

Sample responses

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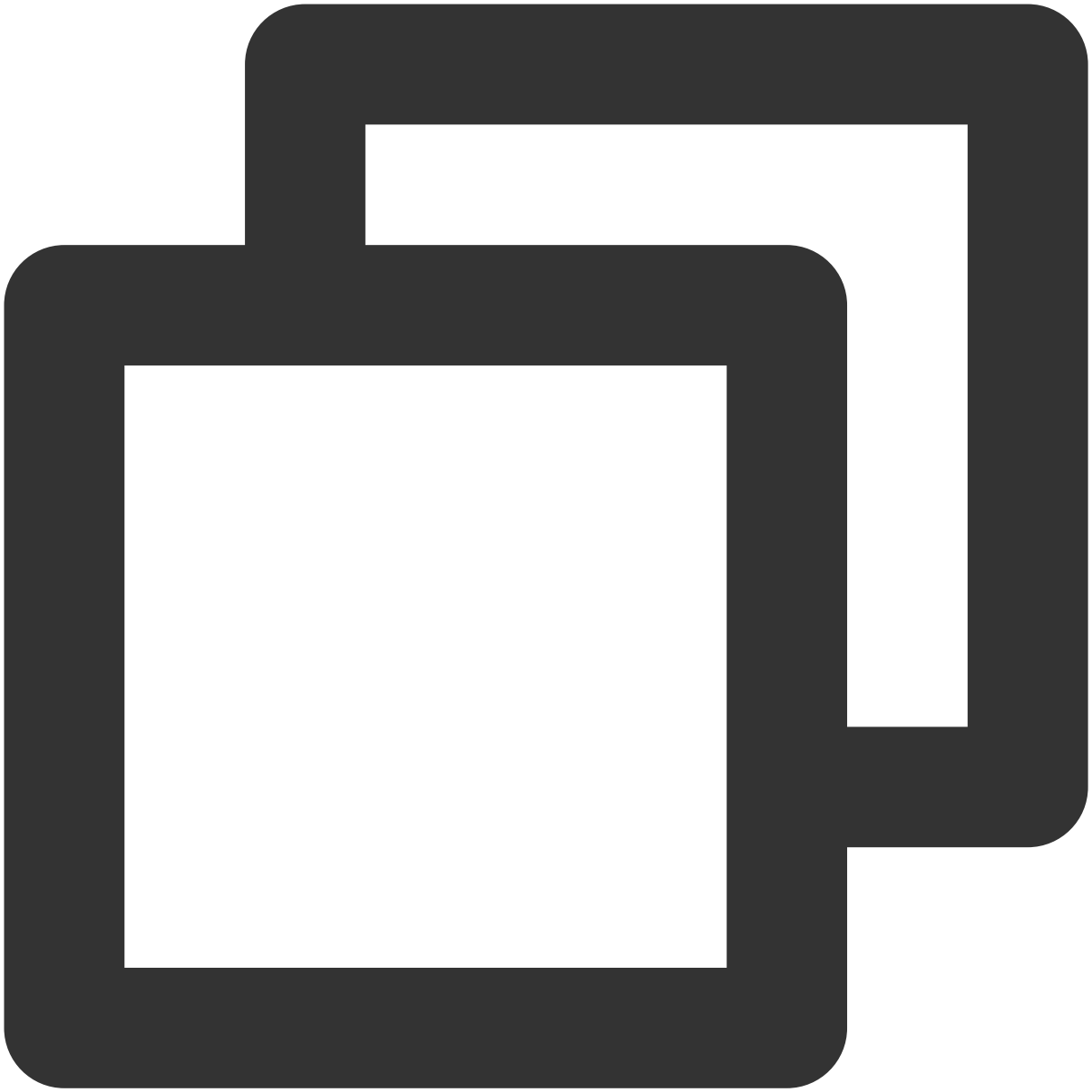

```
{
    "ActionStatus" : "OK",
    "ErrorInfo" : "",
    "ErrorCode" : 0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON request. Make sure the format is valid.
90002	The `MsgBody` in the JSON request does not meet message format requirements or `MsgBody` is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90003	The `To_Account` field is missing in the JSON request or it is not a string.
90005	The `MsgRandom` field is missing in the JSON request or it is not an integer.
90006	The `MsgTimeStamp` field is missing in the JSON request or it is not an integer.
90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90008	The `From_Account` field is missing in the JSON request or it is not an integer.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90011	The number of recipients exceeded 500. Try to reduce the number of accounts in To_Account.
90012	The account specified in `To_Account` does not exist or is not registered. Make sure the account has been imported to Chat and is correct.
90026	The offline retention time of the message is incorrect. Messages cannot be retained offline for more than 7 days.

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90030	The `SyncFromOldSystem` field is missing in the JSON request or it is not an integer.
90048	The requested account does not exist.
90992	Internal service error. Try again. If this error code is returned for all requests and third-party callback is enabled, make sure the app server returns the callback results to the Chat backend normally.
91000	Internal service error. Try again.
93000	The JSON packet exceeds the maximum size of 12 KB.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Importing Group Messages (v4/group_open_http_svc/import_group_msg)

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Importing Group Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to import group messages without triggering callbacks or sending notifications.
When you are migrating your app from another instant messaging system to Tencent Cloud Chat, you can use this API to import group message data.

API Calling Description

Applicable group types

Group Type	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the built-in group types of the Chat service. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not support importing group messages. If you attempt to import group messages for an audio-video group, error 10007 will be returned. Therefore, members of an audio-video group cannot view the messages sent before they join the group.

Sample request URL

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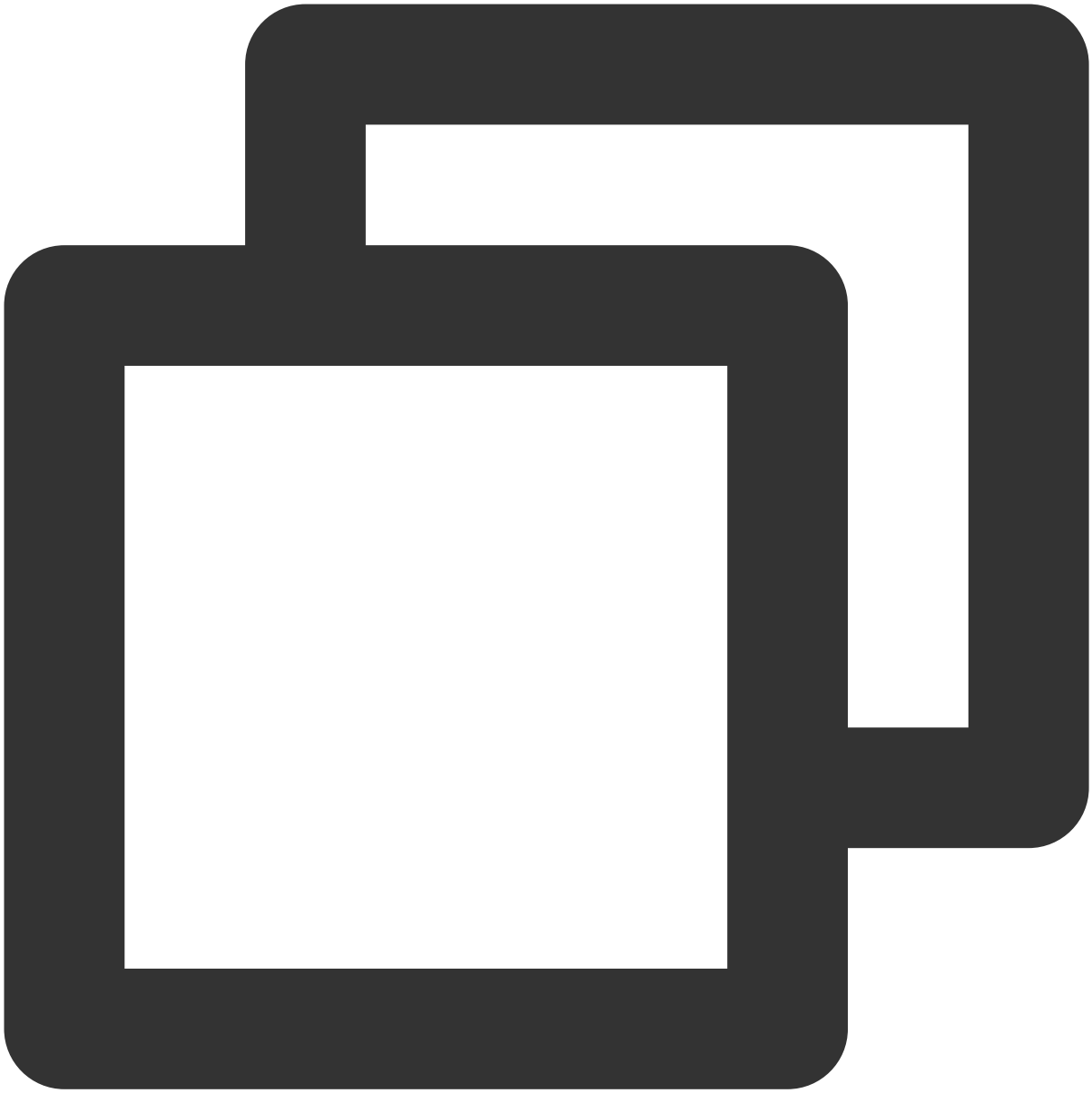

```
https://xxxxxx/v4/group_open_http_svc/import_group_msg?sdkappid=88888888&identifier
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/import_group_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

A single request can import up to seven group messages.
After messages are imported through this API, the unread message count for all members will become `0`. To retain the unread message count, you need to import group members or set the unread message count for members after importing all messages.
The messages must be imported in ascending order by timestamp, and the timestamps of imported messages must be earlier than the current time, and later than the group creation time and the creation time of the latest message in the group. Otherwise, the import will fail.

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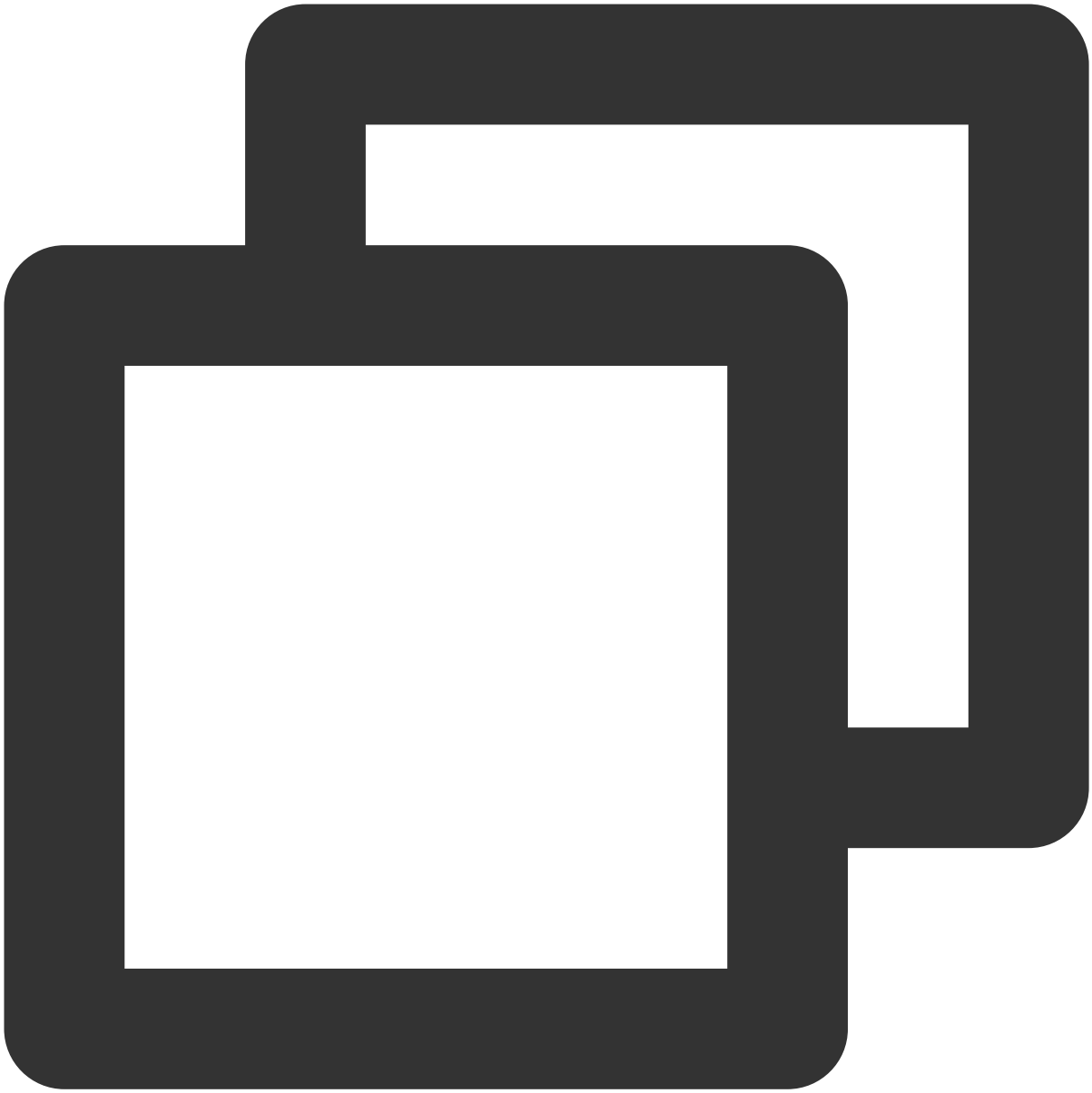

```
{
    "GroupId": "@TGS#2C5SZEAEF",
    "RecentContactFlag":1,// Means to trigger conversation update (This field is no
    "MsgList": [
        {
            "From_Account": "leckie", // Message sender
            "SendTime":1620808101,
            "Random": 8912345, // Random number of the message (optional)
            "MsgBody": [ // Message body, which consists of an element array. For d
                {
                    "MsgType": "TIMTextElem", // Text
```

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```
                    "MsgContent": {
                        "Text": "red packet"
                    }
                },
                {
                    "MsgType": "TIMFaceElem", // Emoji
                    "MsgContent": {
                        "Index": 6,
                        "Data": "abc\\u0000\\u0001"
                    }
                }
            ]
        },
        {
            "From_Account": "peter", // Message sender
            "SendTime":1620892821,
            "MsgBody": [ // Message body, which consists of an element array. For d
                {
                    "MsgType": "TIMTextElem", // Text
                    "MsgContent": {
                        "Text": "red packet"
                    }
                }
            ]
        }

    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group for which to import messages
RecentContactFlag	Integer	No	Whether to trigger conversation update. The value `1` means to trigger conversation update. Conversation update is not triggered by default. This field is not supported by audio-video groups (AVChatRoom) and community groups.
MsgList	Object	Yes	List of the messages to import
From_Account	String	Yes	Message sender
SendTime	Integer	Yes	Message sending time
Random	Integer	No	A 32-bit unsigned integer. If the random numbers of two

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			messages within five minutes are the same, the later message will be discarded as a repeated message.
MsgBody	Array	Yes	TIM message. For more information, see the definition of `TIMMsgElement` in Message Formats.
MsgType	String	Yes	TIM message object type. Valid values: `TIMTextElem` (text message), `TIMFaceElem` (emoji message), `TIMLocationElem` (location message), `TIMCustomElem` (custom message)
MsgContent	Object	Yes	TIM message object. For more information, see the definition of `TIMMsgElement` in Message Formats.
TopicId	String	No	ID of the topic to which messages are imported. This field applies only to topic-enabled community groups.

Sample response

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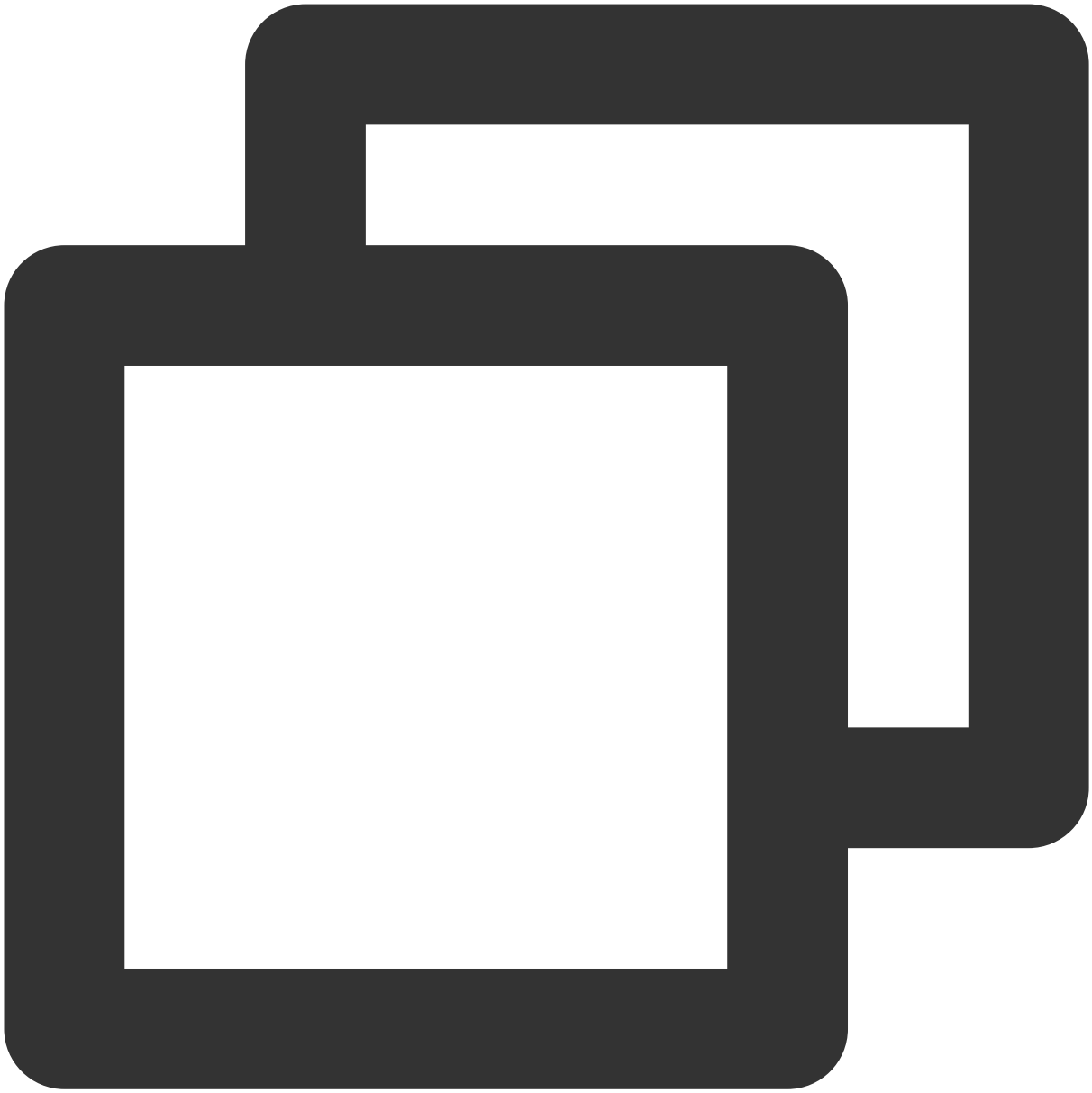

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "ImportMsgResult": [
        {
            "MsgSeq": 1,
            "MsgTime": 1620808101,
            "Result": 0
        },
        {
```

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```
            "MsgSeq": 2,
            "MsgTime": 1620892821,
            "Result": 0
        },
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ImportMsgResult	Array	Message import result
Result	Integer	Result of each message `0` : The message was imported successfully. `10004` : The sending time of the message is invalid. `80002` : The message content exceeds the limit of 12,000 bytes. Please adjust the message size.
MsgTime	Integer	Message timestamp
MsgSeq	Integer	Message sequence number, the unique identifier of a message

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a member in a public group tries to remove other users from the group (only the app admin can perform this operation).

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10010	The group does not exist or has been deleted.
10015	The group ID is invalid. Use the correct group ID.
10020	The message content is too long. Currently, the maximum message length supported is 12 KB. Please adjust the message length.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Setting the Unread Message Count of a Member (v4/group_open_http_svc/set_unread_msg_num)

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Sending Messages in a Official Account

Last updated：2024-07-16 10:41:26

Feature Overview

App Administrators can use this api to send ordinary messages to all subscribers following the official account.
The maximum sending frequency for a single official account is 1 message/sec, with up to 2 broadcast messages per hour.
If the content of two messages is identical within 5 minutes, the latter will be discarded as a duplicate message.

API Calling Description

Sample request URL

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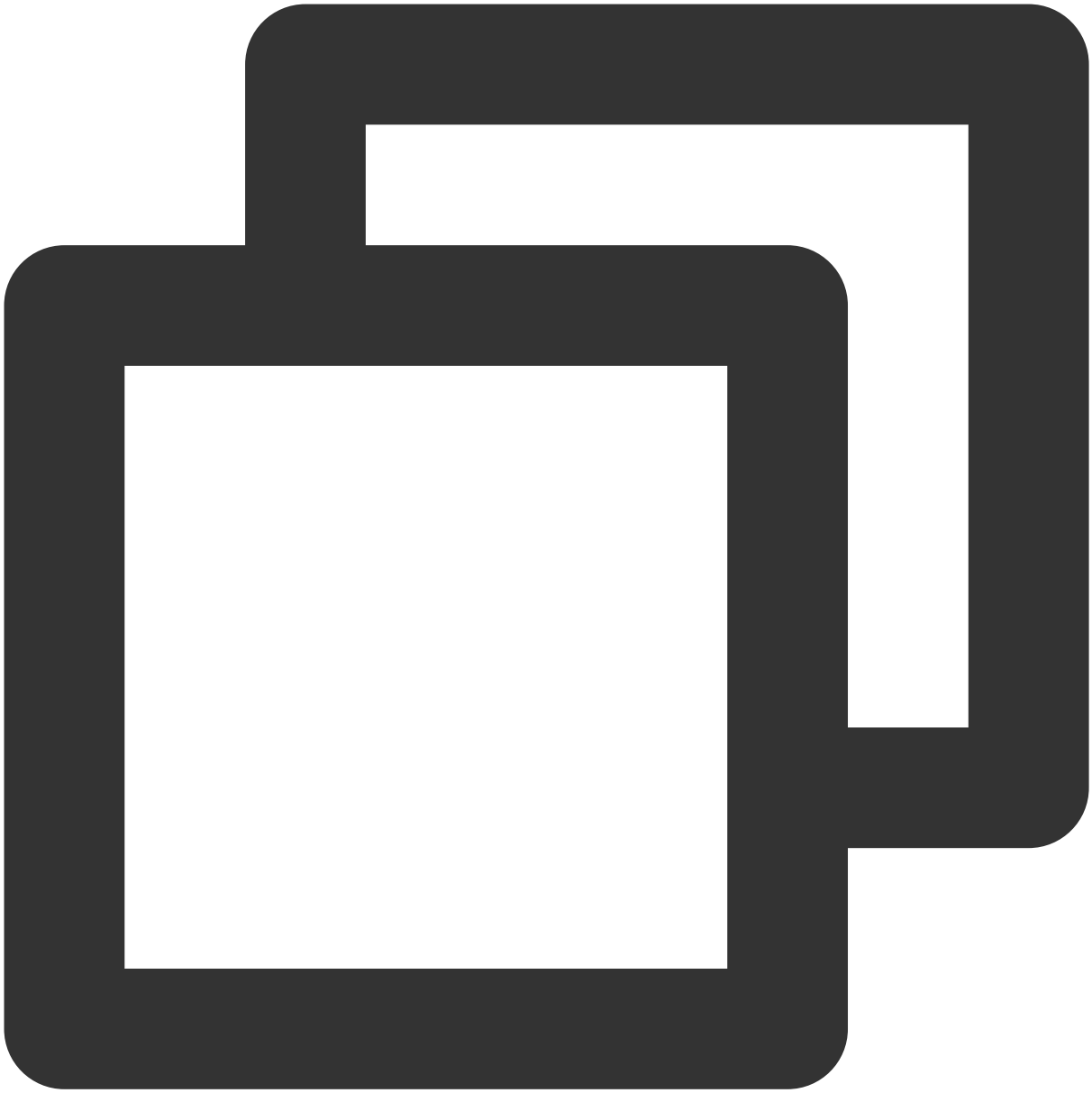

```
https://xxxxxx/v4/official_account_open_http_svc/send_official_account_msg?sdkappid
```

Request parameters

The table below only lists the parameters modified when calling this API and their descriptions. For more details on the parameters, please refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore : `adminapisgp.im.qcloud.com` Seoul : `adminapikr.im.qcloud.com` Frankfurt : `adminapiger.im.qcloud.com` Silicon Valley : `adminapiusa.im.qcloud.com` Jakarta : `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/send_official_account_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an App admin account. For more details, see App Admins
usersig	The Signature generated by the App admin account. For details, see Generating UserSig
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum calling frequency

200 queries/sec.

Sample request packets

Basic Form

Sending Regular Official Account Messages.

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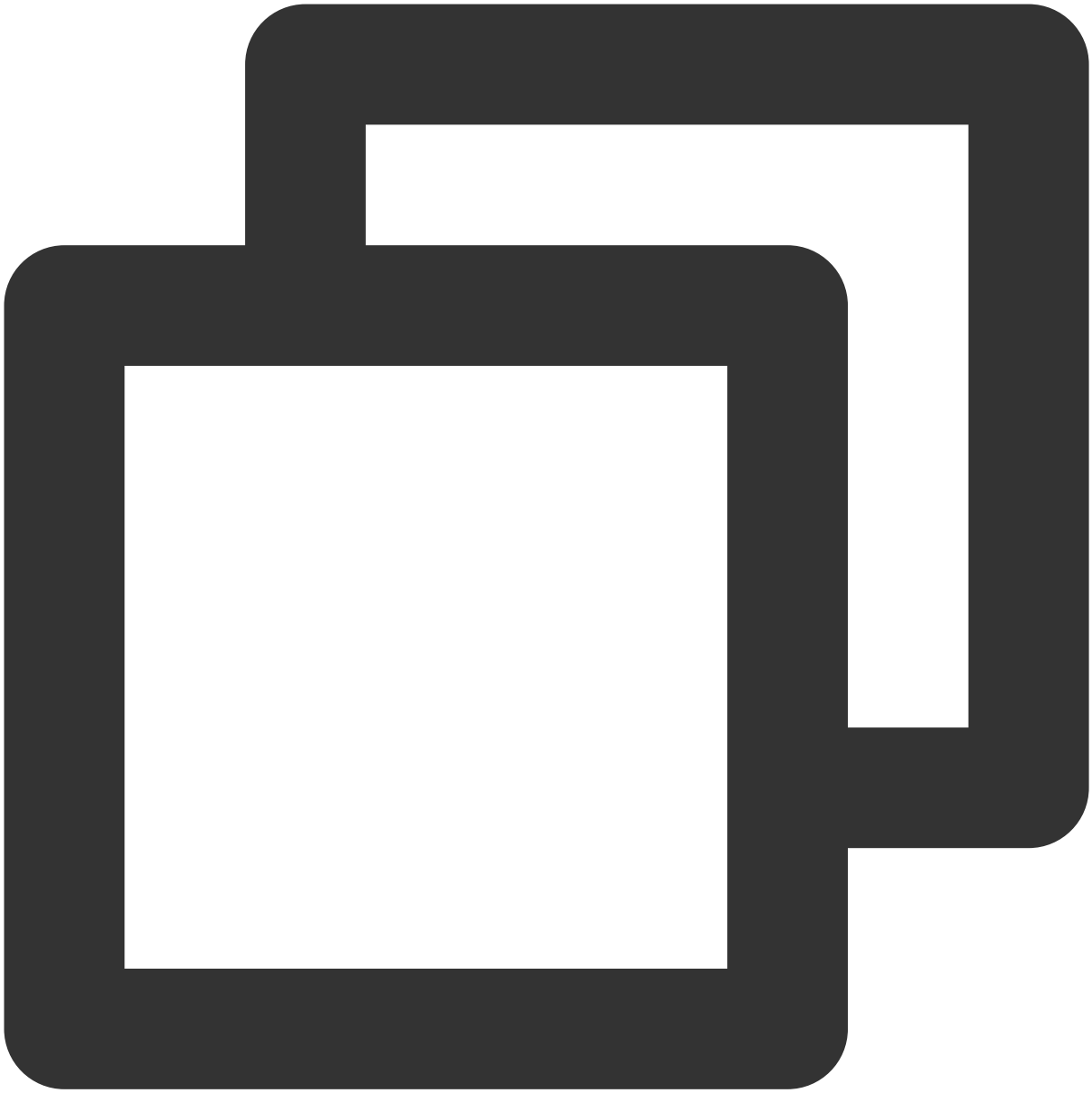

```
{
  "Official_Account": "@TOA#_2C5SZEAEF",
  "Random": 9875,
  "MsgBody": [ // Message body, consists of an element array, see field description
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
          }
      },
      {
```

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```
            "MsgType": "TIMFaceElem", // Expression
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "OfflinePushInfo": {
        "PushFlag": 0, // Normal push,
        "Desc": "Offline Push Content",
        "Ext": "This is the transmitted content",
        "AndroidInfo": {
            "Sound": "android.mp3"
        },
        "ApnsInfo": {
            "Sound": "apns.mp3",
            "BadgeMode": 1, // This field is omitted or 0 means counting is required,
            "Title":"apns title", // apns title
            "SubTitle":"apns subtitle", // apns subtitle
            "Image":"www.image.com" // image url
        }
    }
}
```

Specifies that the message does not update the recent contact session

If SendMsgControl is specified in the message, setting NoLastMsg means it does not update the recent contact session.

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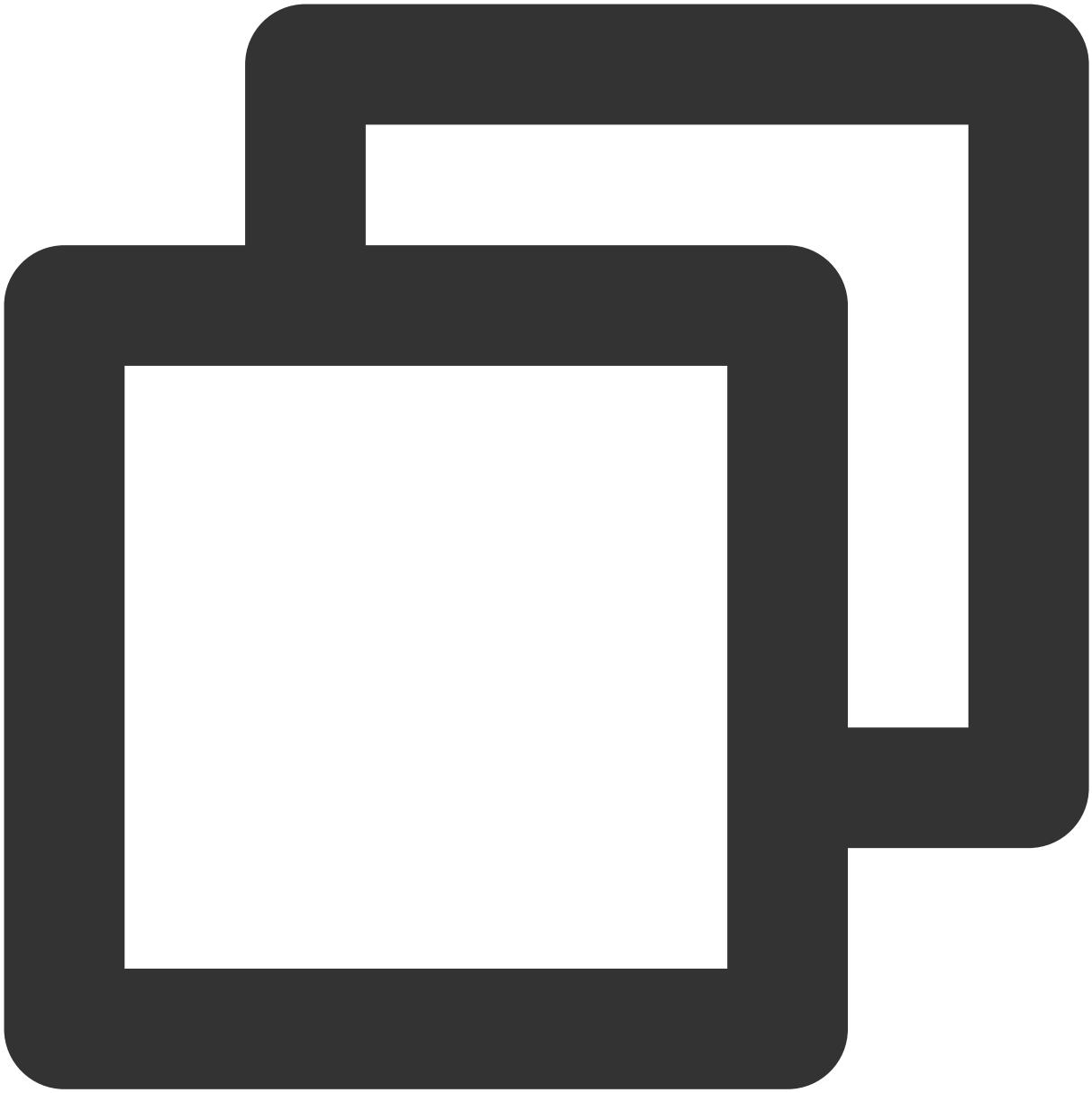

```
{
   "Official_Account": "@TOA#_2C5SZEAEF",
   "Random": 9875,
   "SendMsgControl":["NoLastMsg"],// Specifies that the message does not trigger an
   "MsgBody": [ // Message body, consists of an element array, see field descriptio
       {
           "MsgType": "TIMTextElem", // Text
           "MsgContent": {
               "Text": "red packet"
           }
       },
```

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```
        {
            "MsgType": "TIMFaceElem", // Expression
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Specifies that the message does not trigger a callback

With callback function enabled, users can control whether a single message triggers a callback through ForbidCallbackControl, by default, a callback is initiated.

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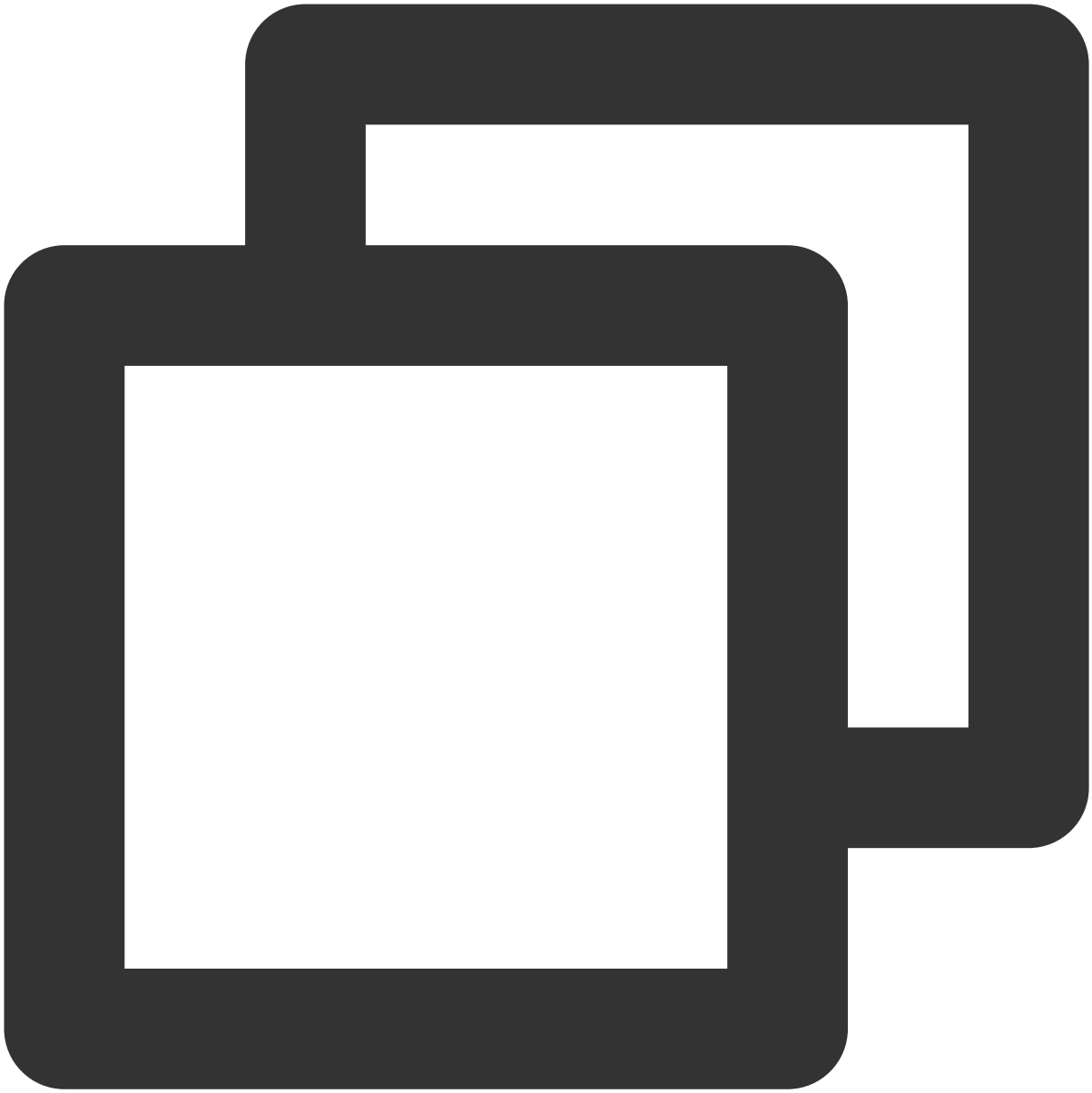

```
{
  "Official_Account": "@TOA#_2C5SZEAEF",
  "Random": 9875,
  "ForbidCallbackControl":[
          "ForbidBeforeSendMsgCallback",
          "ForbidAfterSendMsgCallback"], // Prohibit callback control option
  "MsgBody": [ // Message body, consists of an element array, see field description
      {
          "MsgType": "TIMTextElem", // Text
          "MsgContent": {
              "Text": "red packet"
```

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```
            }
        },
        {
            "MsgType": "TIMFaceElem", // Expression
            "MsgContent": {
                "Index": 6,
                "Data": "abc\\u0000\\u0001"
            }
        }
    ]
}
```

Specifies that the message will not be stored offline or for roaming

If OnlineOnlyFlag is specified in the message body, as long as its value is greater than 0, it indicates that the message will only be sent online and will not be stored for offline or roaming.

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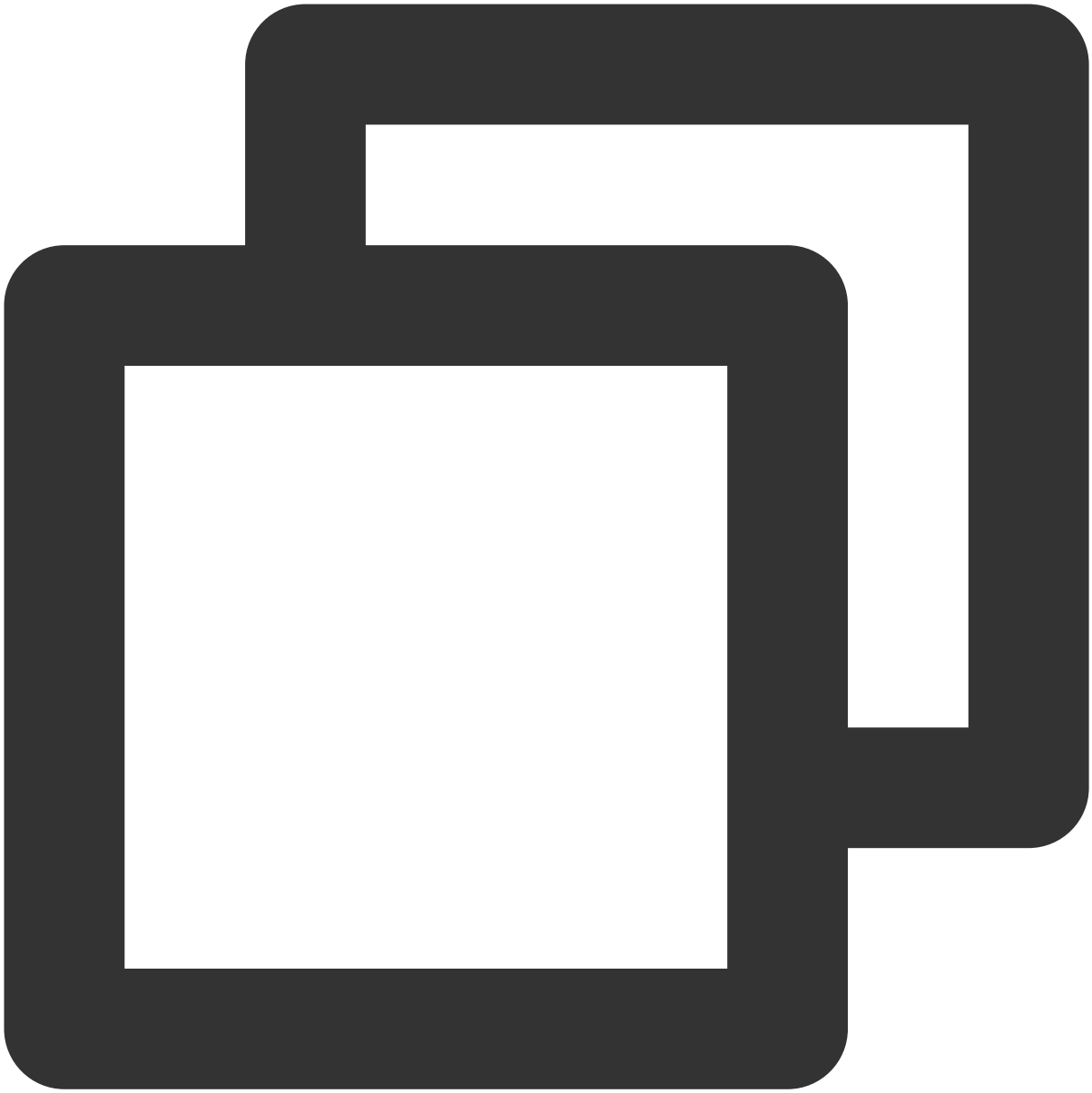

```
{
    "Official_Account": "@TOA#_2C5SZEAEF",
    "Random": 9875,
    "OnlineOnlyFlag": 1, // Indicates that the message is only sent online (only
    "MsgBody": [ // Message body, consists of an element array, see field descrip
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
            }
        },
```

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```
            {
                "MsgType": "TIMFaceElem", // Expression
                "MsgContent": {
                    "Index": 6,
                    "Data": "abc\\u0000\\u0001"
                }
            }
        ]
    }
```

Request packet fields

Field	Type	Attribute	Description
Official_Account	String	Mandatory	Official Account Users sending messages.
Random	Integer	Mandatory	Unsigned 32-bit integer (range: 0 to 4294967295). If the content and Random value of two messages are the same within 5 minutes, the latter message will be considered a duplicate and discarded.
MsgBody	Array	Mandatory	Message body, for details refer to Message Format.
OfflinePushInfo	Object	Optional	Offline push notification configuration, for details see Message Format.
ForbidCallbackControl	Array	Optional	Message callback prohibition switch, applies only to individual messages, ForbidBeforeSendMsgCallback indicates prohibiting callback before sending a message, ForbidAfterSendMsgCallback indicates prohibiting callback after sending a message
OnlineOnlyFlag	Integer	Optional	1 indicates the message is sent only to online subscribers, default 0 indicates sending to all subscribers
SendMsgControl	Array	Optional	Message sending permissions, NoLastMsg applies only to individual messages, indicates not updating the latest conversation (If the message's OnlineOnlyFlag is set to 1, then this field should not be used.)
CloudCustomData	String	Optional	Custom message data (stored in the cloud, will be sent to the peer, and can be retrieved even after the app is uninstalled and reinstalled).

Sample response packets

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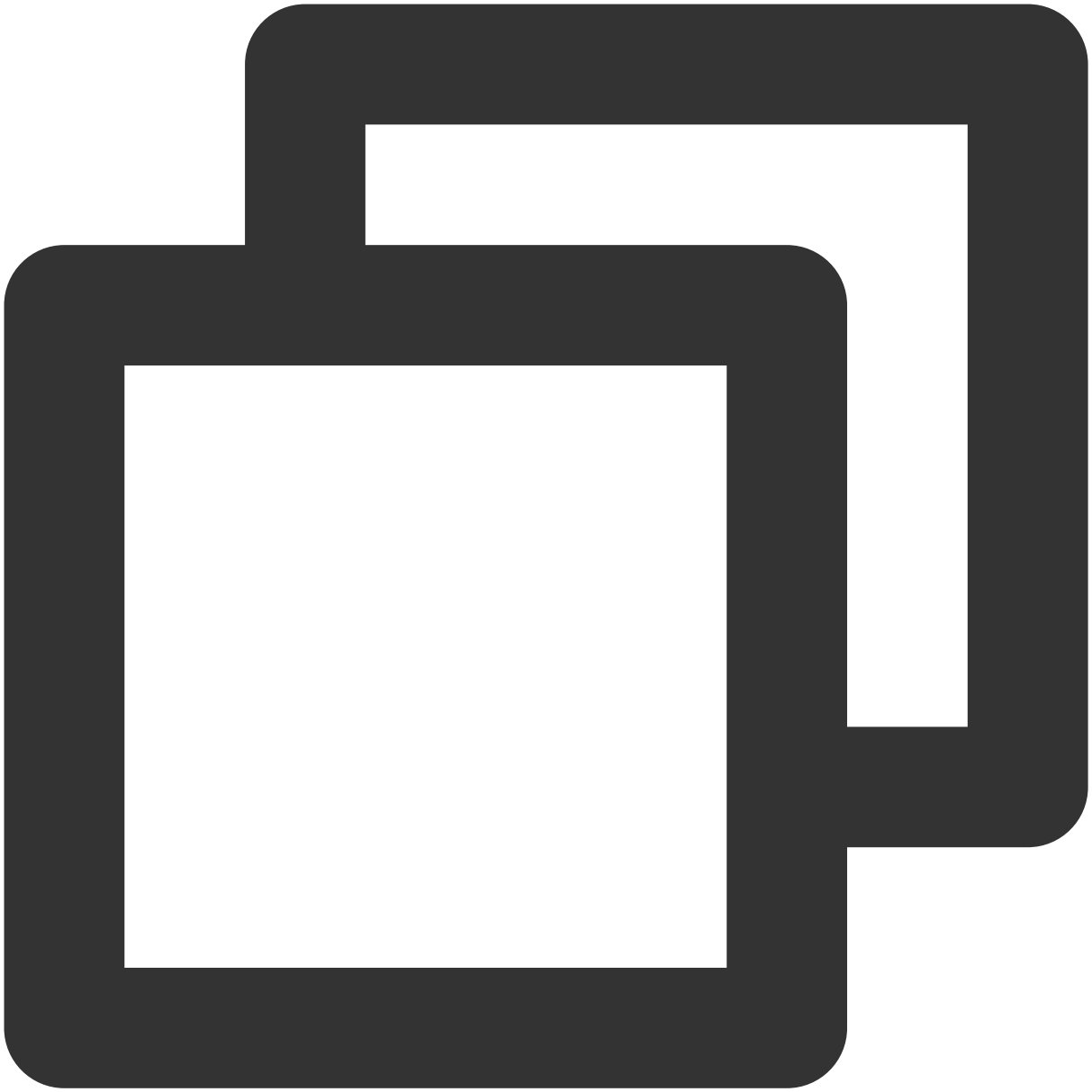

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MsgTime": 1497249503,
    "MsgKey": "89541_1_1572870301"
}
```

Response packet field description

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Field	Type	Description
ActionStatus	String	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Error Identifier: 0: Indicates success Non-zero: Indicates failure
ErrorInfo	String	Error message
MsgTime	Integer	Timestamp of when the message is sent, corresponding to the server time
MsgKey	String	Unique Message Identifier, used for recall. Length must not exceed 50 characters

Error codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this interface is always 200. The real error code and error message are indicated by ErrorCode, ErrorInfo in the response body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error code	Description
10002	Internal server error. Please try again.
10004	Invalid parameters. Please check the request based on the error description.
10007	Insufficient operational permissions.
10010	The official account user does not exist, or it may have existed but has now been disbanded.
10015	Official Account User ID is invalid, please check if the Official Account User ID is correctly filled.
10016	The App backend refuses this operation through Third-party Callback.
10017	Unable to send messages due to being muted, please check if the sender has been set to mute.
10023	The frequency of sending messages exceeds the limit, please extend the interval between two message sending times.
80002	The message content is too long, currently supporting up to 12K Bytes of messages, please adjust the length of the message.

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API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

Reference

Message Format Description

Possible Trigger Callbacks

Callback Before Sending a Official Account Message

Callback After Sending a Official Account Message

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Historical Message
Modifying Historical One-to-one Messages

Last updated：2024-07-16 10:41:26

API Calling Description

This API is used by the admin to modify historical one-to-one messages.
You can modify the `MsgBody` and `CloudCustomData` fields individually or at the same time for a message by overwriting the field values in a historical message with those specified in requests.
You can obtain the `MsgKey` of the one-to-one message to modify by the following means:
Enable callback before sending a one-to-one message or callback after sending a one-to-one message to record the `MsgKey` of each one-to-one message.
Use the API for querying one-to-one messages to query the `MsgKey` of the one-to-one message to modify.
For one-to-one messages sent through the RESTful APIs for sending one-to-one messages to one user and sending one-to-one messages to multiple users, the message `MsgKey` is contained in response packets.

Note

Messages modified by this API cannot be restored.

Sample request URL

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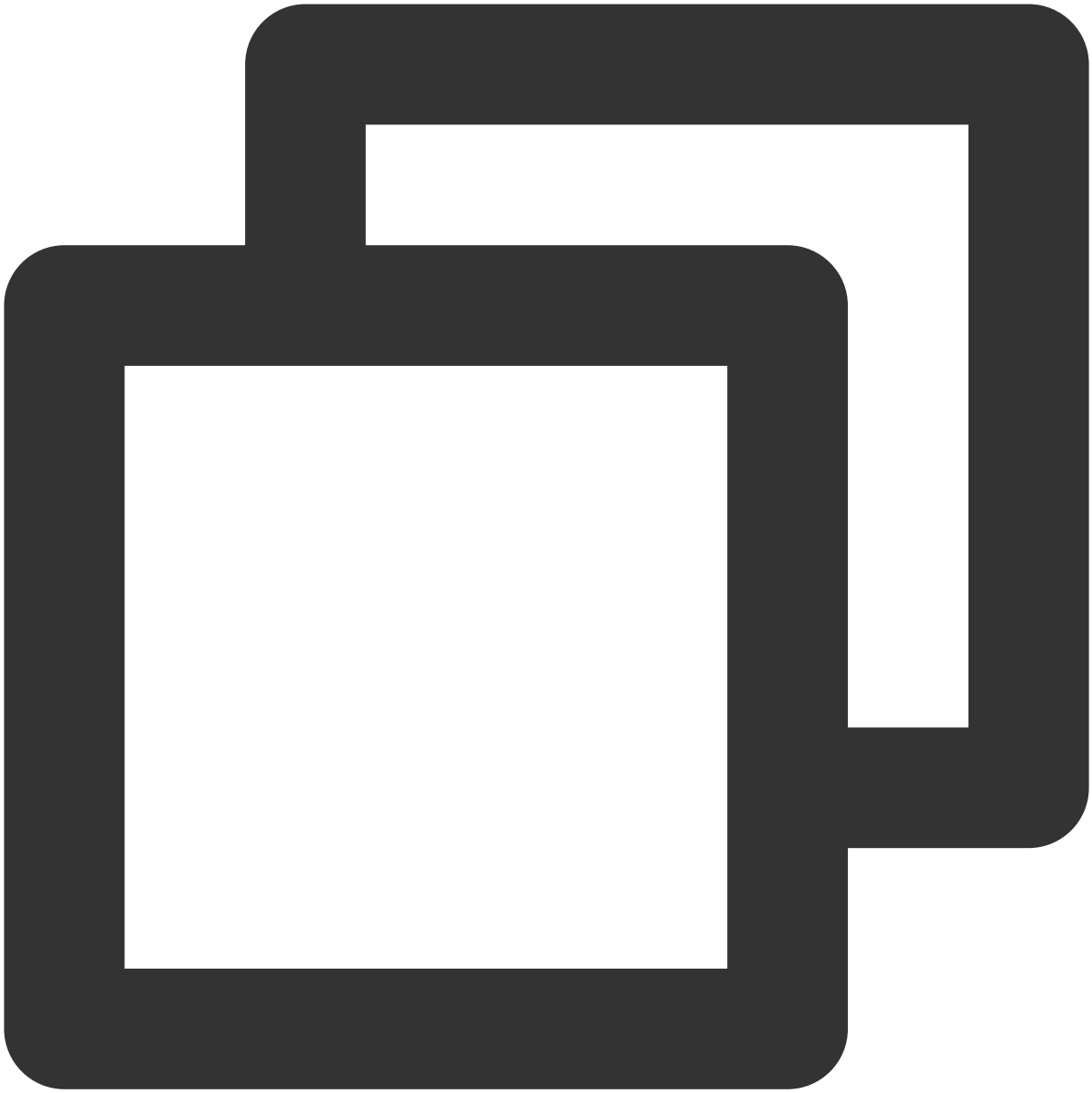

```
https://xxxxxx/v4/openim/modify_c2c_msg?sdkappid=88888888&identifier=admin&usersig=
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/modify_c2c_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Modifying only the `MsgBody` information of the message object

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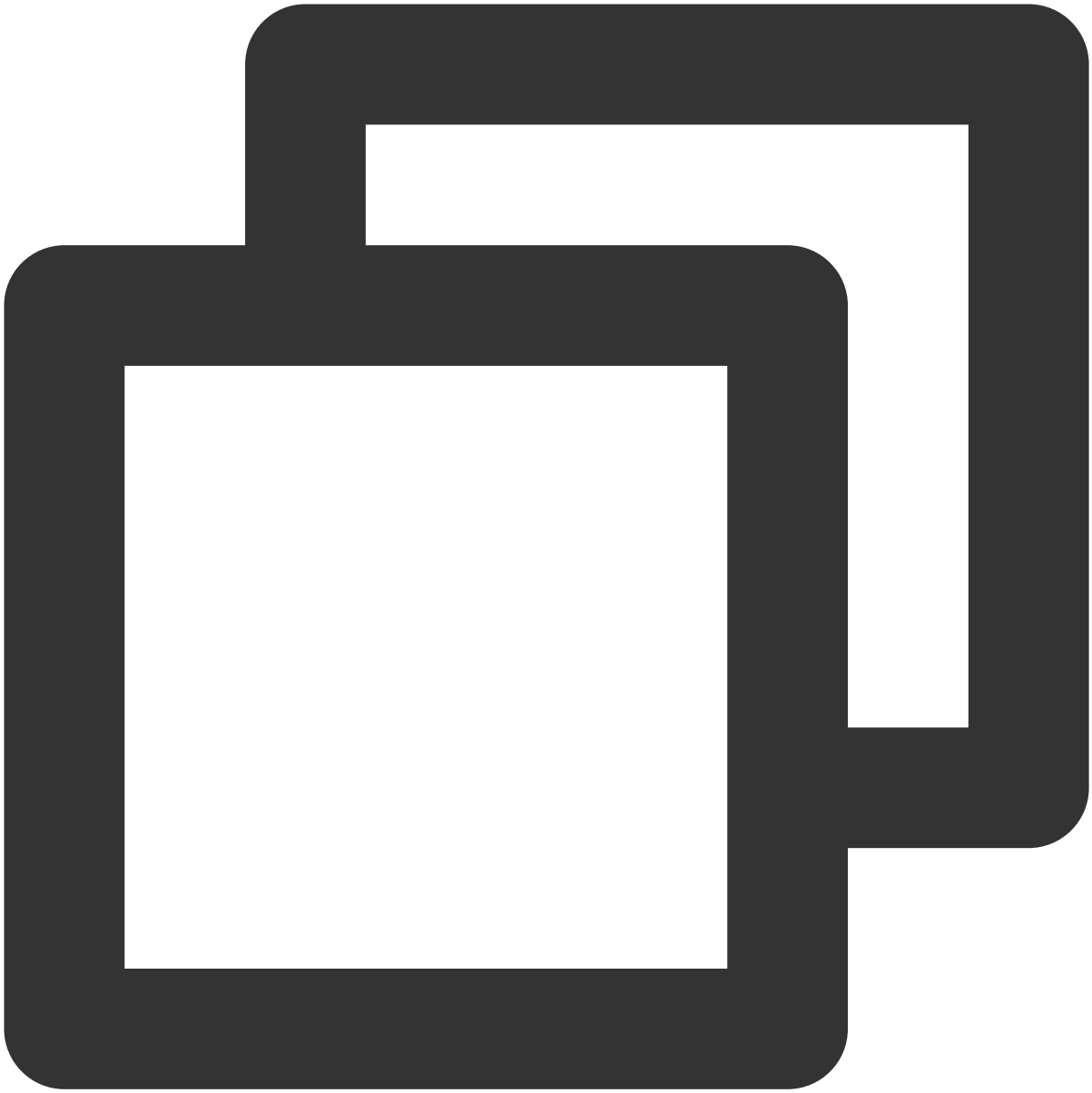

```
{
    "From_Account": "dramon1",
    "To_Account": "dramon2",
    "MsgKey": "1_2_3",
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hello"
            }
        }
```

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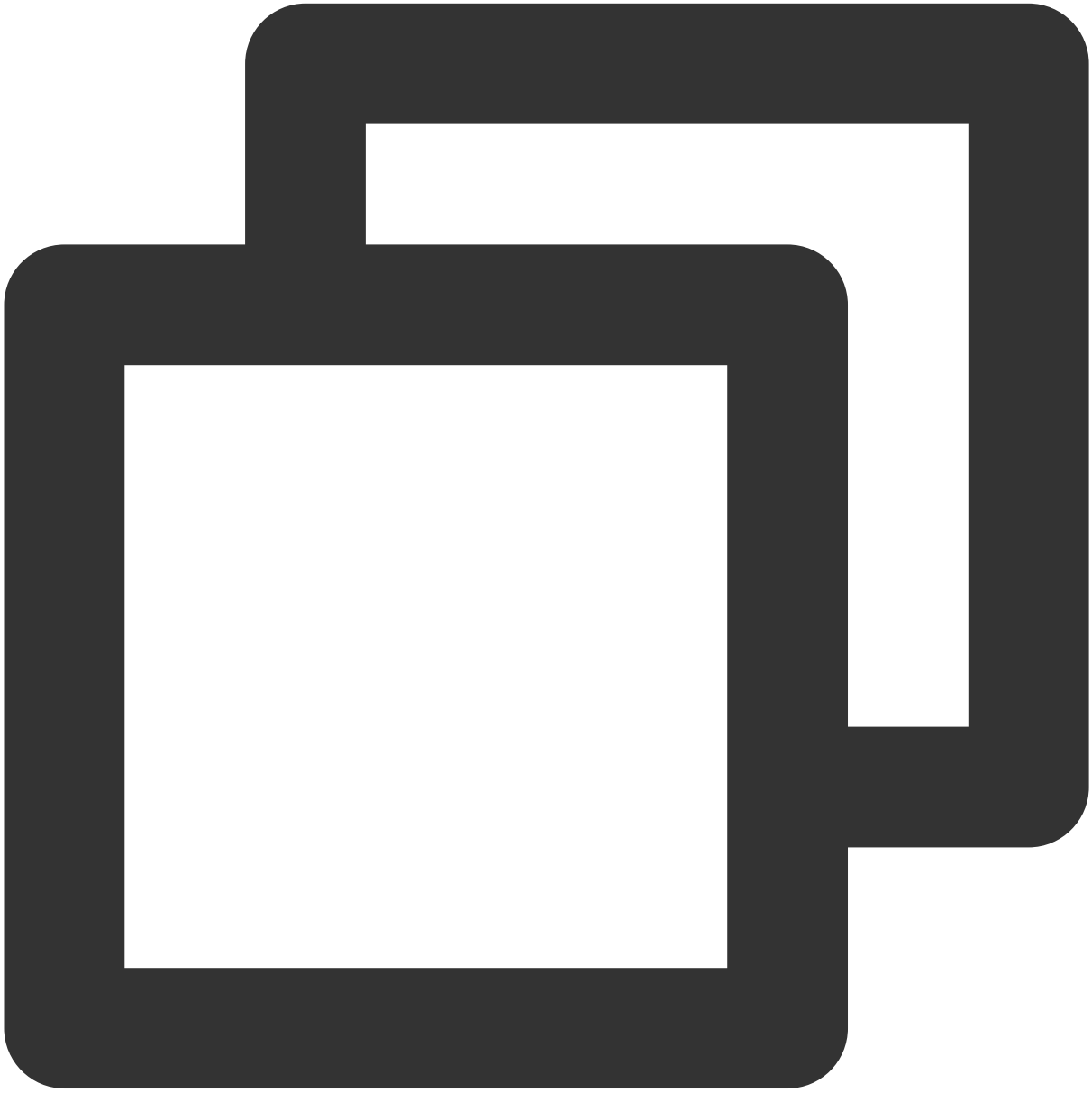
```
    ]
}
```

Modifying only the `CloudCustomData` information of the message object



```
{
    "From_Account": "dramon1",
    "To_Account": "dramon2",
    "MsgKey": "1_2_3",
```

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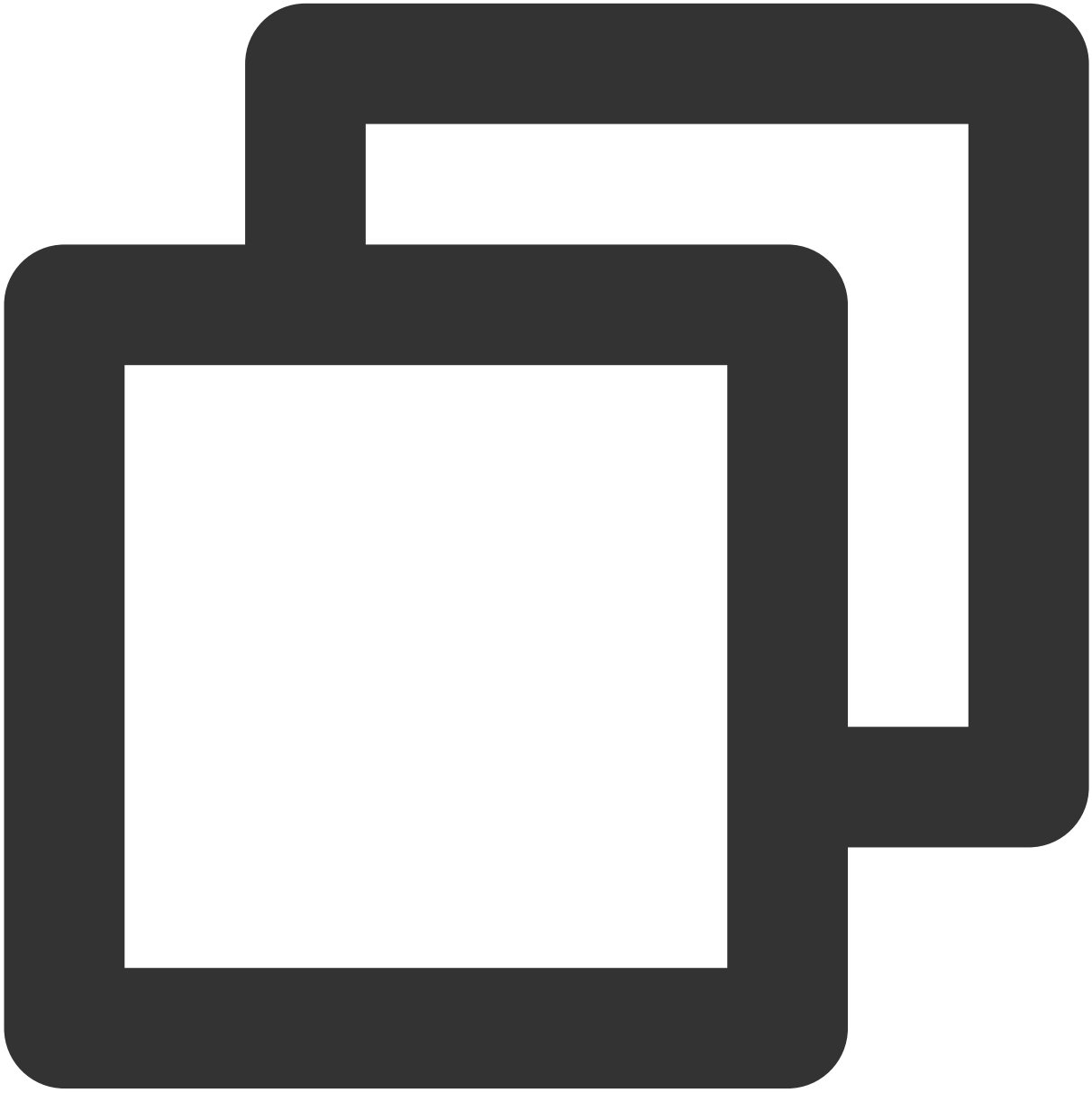
```
    "CloudCustomData": "your cloud custom data"
}
```

Modifying both the `MsgBody` and `CloudCustomData` information of the message object



```
{
    "From_Account": "dramon1",
    "To_Account": "dramon2",
    "MsgKey": "1_2_3",
```

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```
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hello"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID of the message sender.
To_Account	String	Yes	`UserID` of the recipient
MsgKey	String	Yes	Unique identifier of the message to be modified. For how to obtain the `MsgKey` of the message, see the API description.
MsgBody	Array	No	Message body. For details on formats, see Message Formats. (Note: a message can contain multiple message elements, in which case `MsgBody` is an array.)
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.

Sample response

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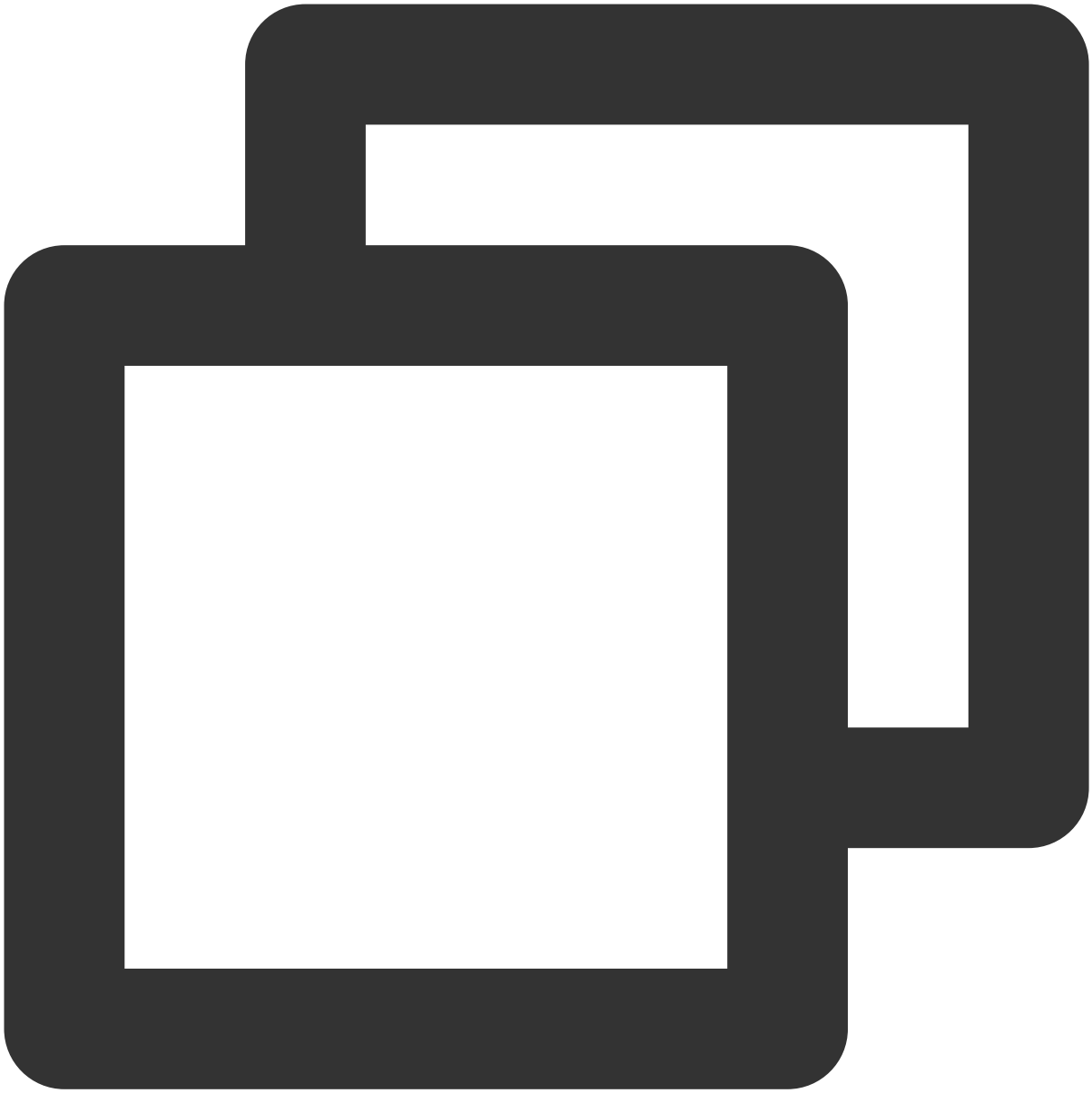

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "succeed"
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
20001	Invalid request.
20002	`UserSig` or `A2` has expired.
20003	The `UserID` of the sender or recipient is invalid or does not exist. Make sure that the `UserID` has been imported into Chat.
20004	Network exception. Try again.
20005	Internal server error. Try again.
90001	Failed to parse the JSON request. Make sure the format is valid.
90002	The `MsgBody` in the JSON request does not meet message format requirements or `MsgBody` is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90003	The JSON request does not contain the `To_Account` field or the `To_Account` field is not a string.
90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90012	The account specified in `To_Account` does not exist or is not registered. Make sure the account has been imported to Chat and is correct.

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91000	Internal service error. Try again.
90992	Internal service error. Try again. If this error code is returned for all requests and webhook is enabled, make sure the app server returns the results to the Chat backend normally.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)
Querying One-to-One messages (v4/openim/admin_getroammsg)
Recalling One-to-One Messages (v4/openim/admin_msgwithdraw)

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Modifying Historical Group Messages

Last updated：2024-07-16 10:41:26

API Calling Description

This API is used by the admin to modify historical group chat messages.

You can modify the `MsgBody` and `CloudCustomData` fields individually or at the same time for a message by overwriting the field values in a historical message with those specified in requests.

This API cannot be used to modify the historical messages of audio-video groups.

Note

Messages modified by this API cannot be restored.

Sample request URL

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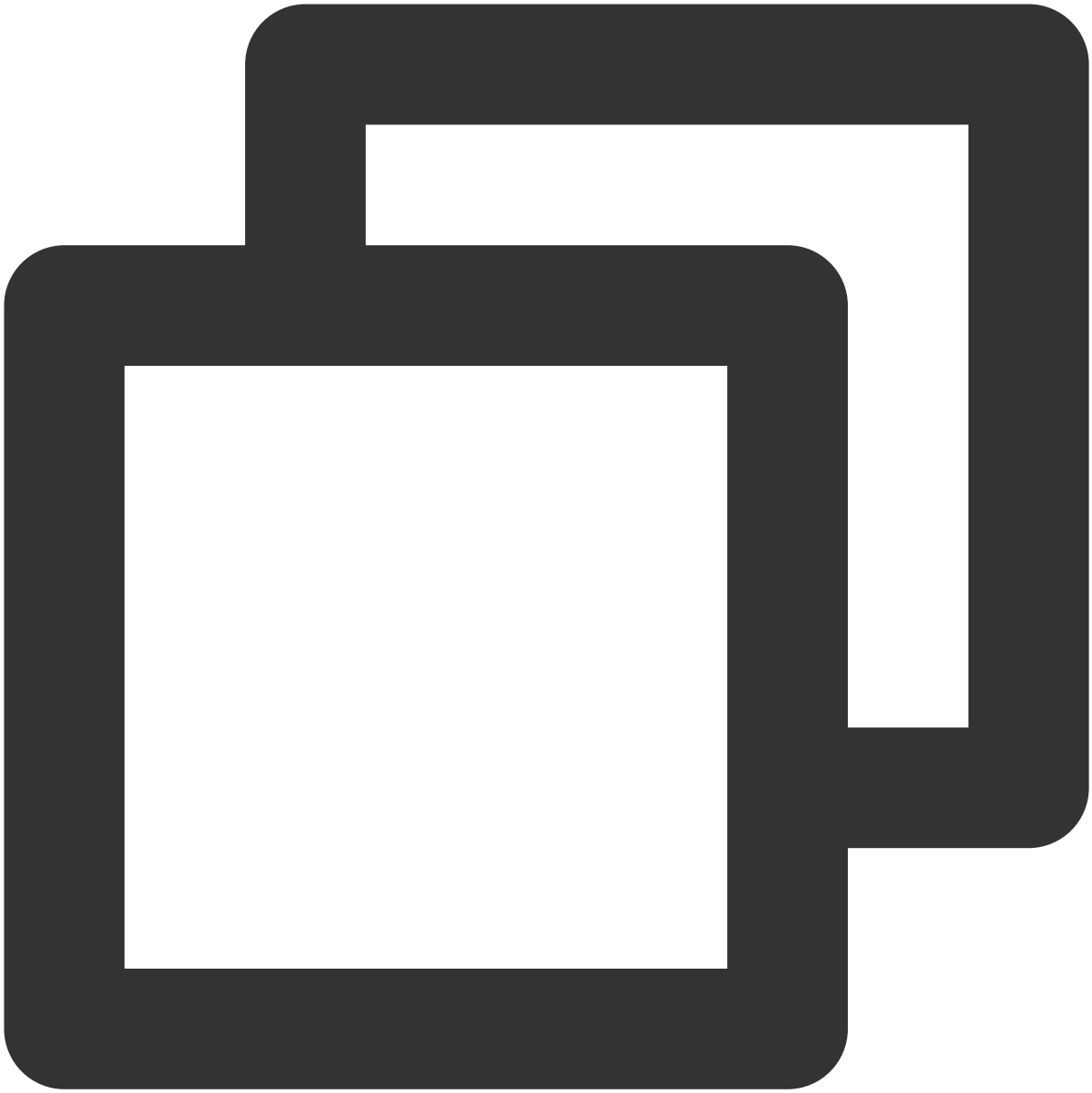

```
https://xxxxxx/v4/openim/modify_group_msg?sdkappid=88888888&identifier=admin&usersi
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/modify_group_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Modifying only the `MsgBody` information of the message object

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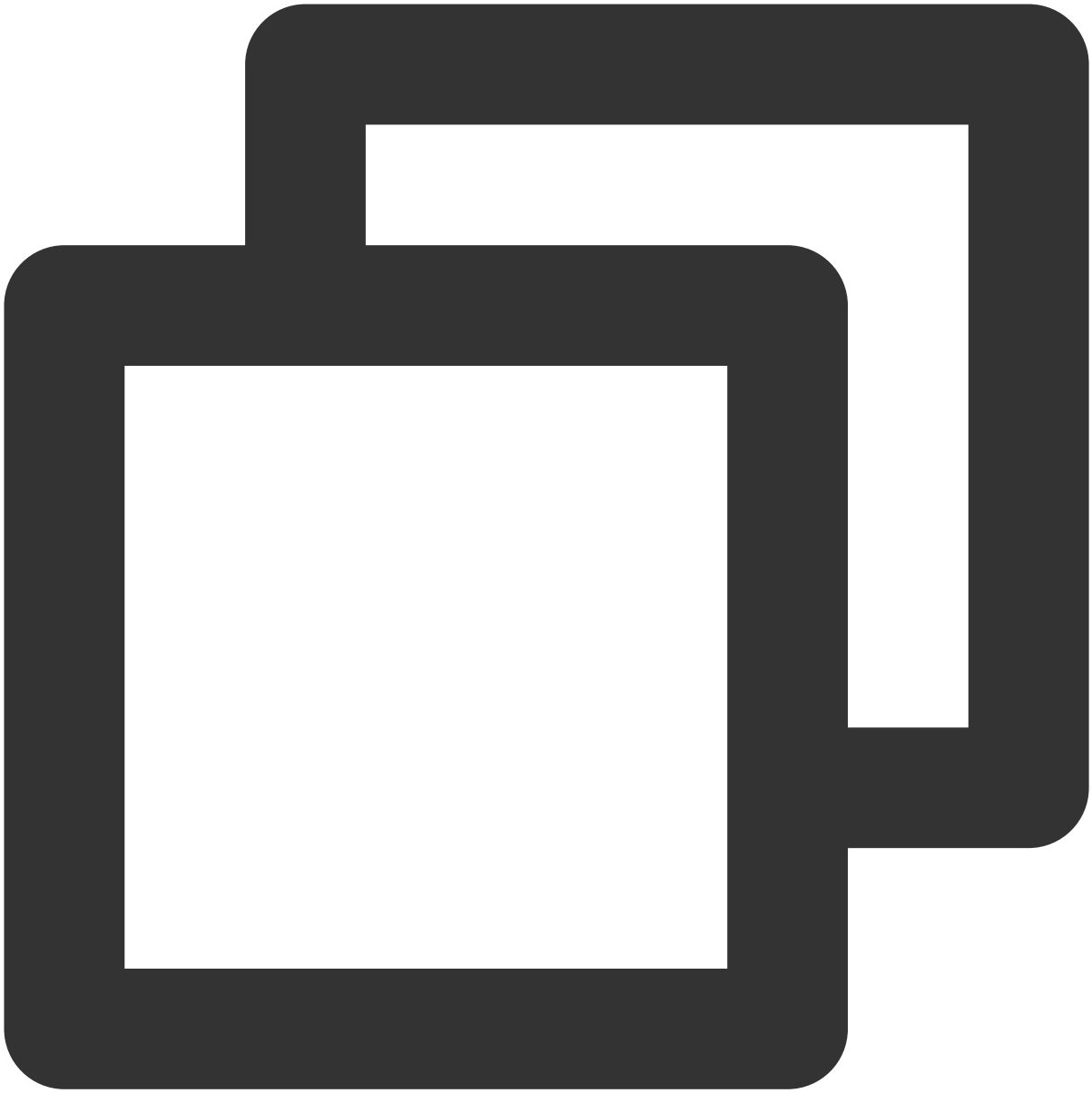

```
{
    "GroupId": "@TGS#1HYEP2SHC",
    "MsgSeq": 23,
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
            "MsgContent": {
                "Text": "hello"
            }
        }
    ]
```

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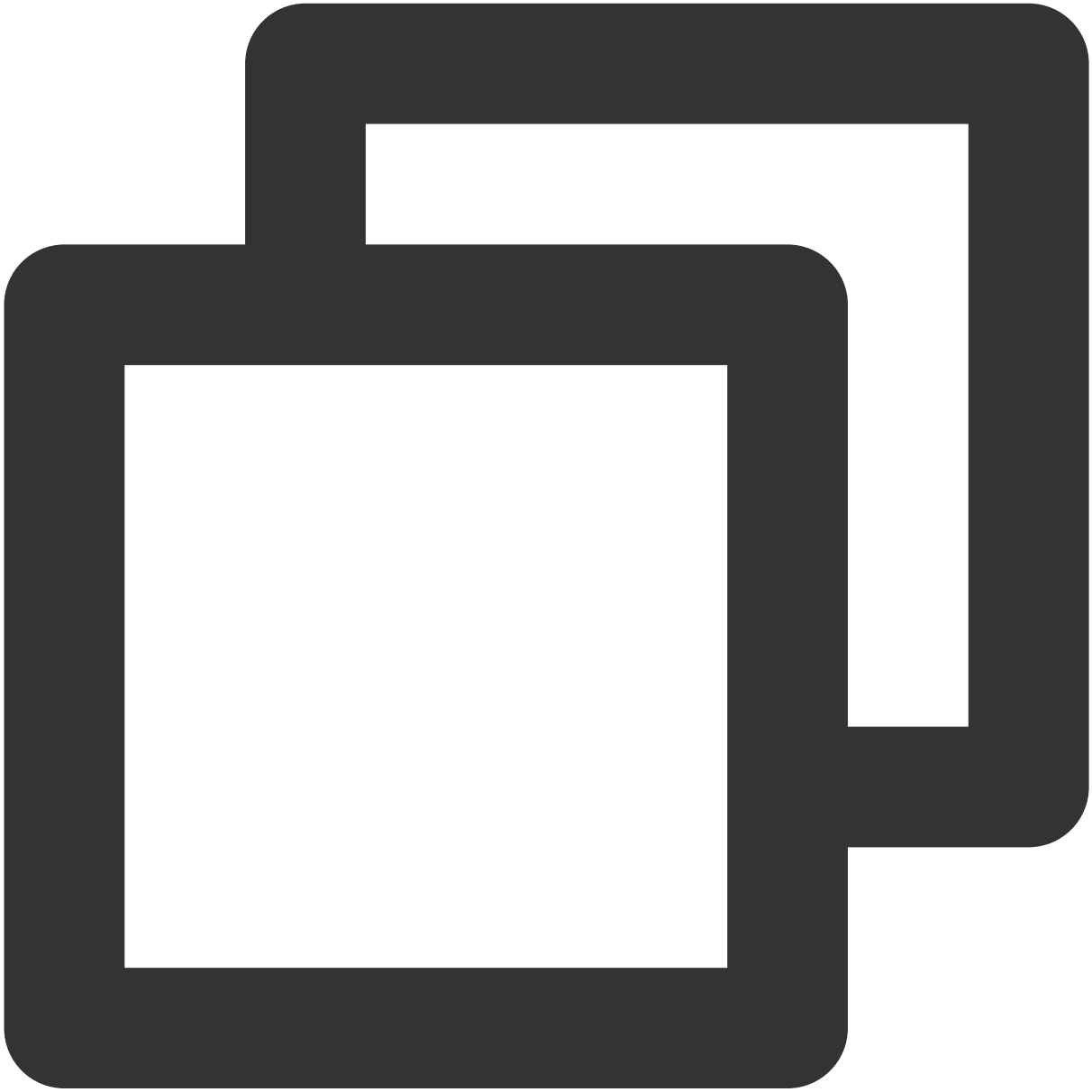
```
}
```

Modifying only the `CloudCustomData` information of the message object



```
{
    "GroupId": "@TGS#1HYEP2SHC",
    "MsgSeq": 23,
    "CloudCustomData": "your cloud custom data"
}
```

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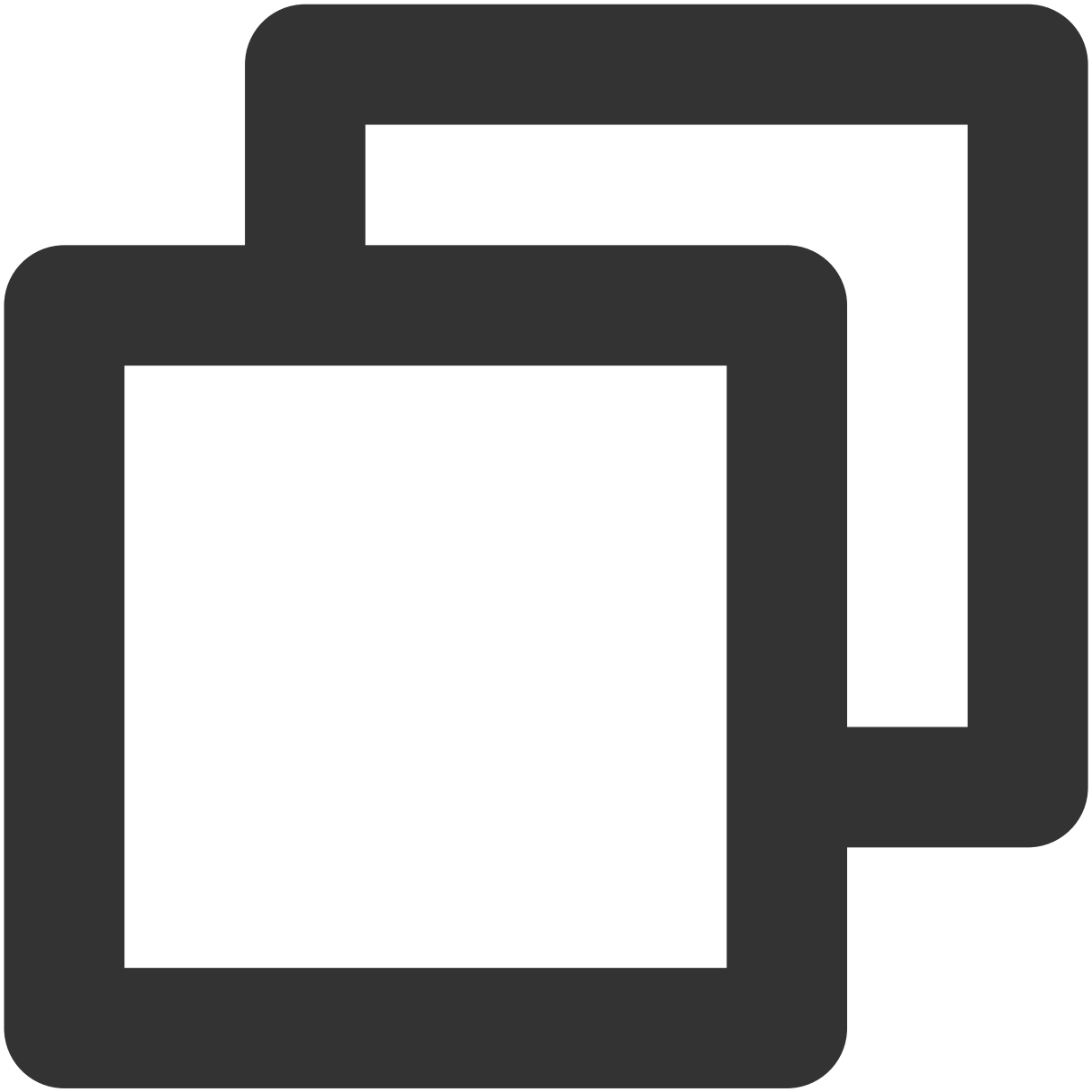
Modifying both the `MsgBody` and `CloudCustomData` information of the message object



```
{
    "GroupId": "@TGS#1HYEP2SHC",
    "MsgSeq": 23,
    "MsgBody": [
        {
            "MsgType": "TIMTextElem",
```

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```
            "MsgContent": {
                "Text": "hello"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the Group whose historical messages will be modified
MsgSeq	Integer	Yes	Sequence number of the message to be modified
MsgBody	Array	No	Message body. For format details, see Message Formats. (Note: a message can contain multiple message elements, in which case `MsgBody` is an array.)
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.
TopicId	String	No	ID of the topic for which historical messages are modified. This field applies only to topic-enabled community groups.

Sample response

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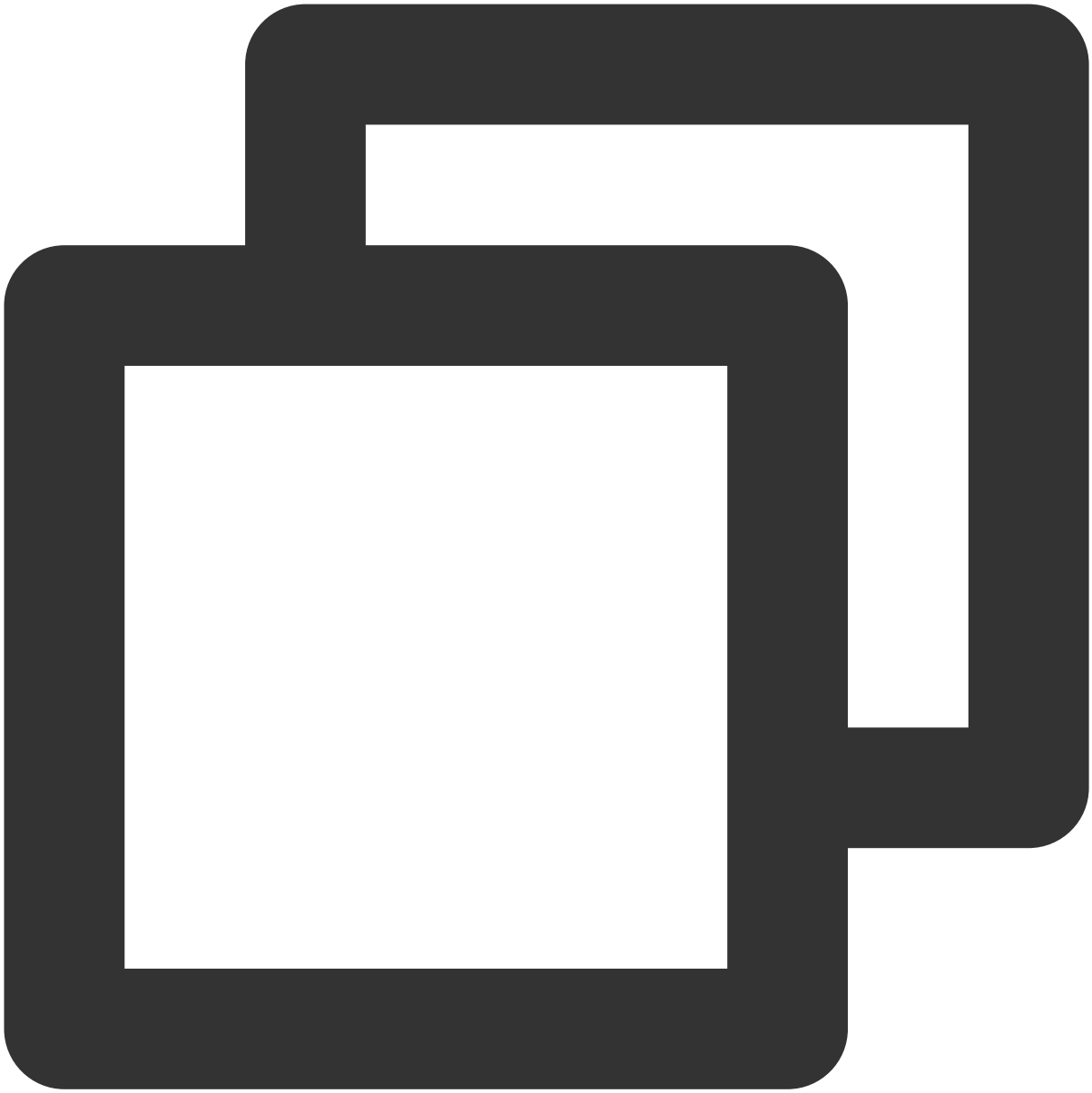

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "succeed"
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
20001	Invalid request.
20002	`UserSig` or `A2` has expired.
20004	Network exception. Try again.
20005	Internal server error. Try again.
90001	Failed to parse the JSON request. Make sure the format is valid.
90002	The `MsgBody` in the JSON request does not meet message format requirements or `MsgBody` is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90003	The JSON request does not contain the `To_Account` field or the `To_Account` field is not a string.
90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
91000	Internal service error. Try again.
90992	Internal service error. Try again. If this error code is returned for all requests and webhook is enabled, make sure the app server returns the results to the Chat backend normally.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending Ordinary Messages in a Group (v4/group_open_http_svc/send_group_msg)
Pulling Historical Messages (group_open_http_svc/group_msg_get_simple)

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Pulling Historical One-to-one Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the app admin to query the message history of a one-to-one conversation from the perspective of a party of the conversation based on a specified time range.

The one-to-one conversation to be queried is specified by `Operator_Account` and `Peer_Account` in the request and the query is performed from the perspective of the party specified by `Operator_Account`. The query result contains the messages sent between both parties. The specific sender and recipient of each message are specified by `From_Account` and `To_Account` respectively.

In most cases, the query result is the same if you perform the query from the perspective of either party of a one-to-one conversation. However, there are four cases where the results are different (some messages in the conversation can be queried by one party but not by the other party):

One party of the conversation has cleared the message history of the conversation by calling the terminal API clearC2CHistoryMessage().

One party of the conversation has deleted the conversation by calling the terminal API deleteConversation(), web/uni-app API deleteConversation, or server API for deleting a conversation with `ClearRamble` being set to `1`.

One party of the conversation has deleted some messages in the conversation by calling the terminal API deleteMessages() or web/uni-app API deleteMessage.

For messages sent through the API for sending one-to-one messages to one user or the API for sending one-to-one messages to multiple users, `SyncOtherMachine` is set to `2`, indicating that specified messages are not synced to the message history of the other party of the conversation.

The query result contains recalled messages indicated by the `MsgFlagBits` field.

The `IsPeerRead` field in the query result indicates whether the recipient sends the read receipt of the message. The field value is `1` only when the recipient calls the sendMessageReadReceipts (Android / iOS and Mac / Windows) or sendMessageReadReceipt (Web&) API.

If you want to recall a message, you can first call this API to query the `MsgKey` of the message and then call the RESTful API for recalling one-to-one messages to recall the message.

The time range of message records that can be queried depends on the roaming message storage period, which is seven days by default. You can modify the message roaming period via the Chat console. Extending the message roaming period is a value-added service. For more information, see Message Storage.

If the total size of the messages within the requested time range exceeds the upper size limit (currently 13 KB) of the response, continued pulling is needed. You can see whether all the requested messages have been pulled by checking the `Complete` field in the response.

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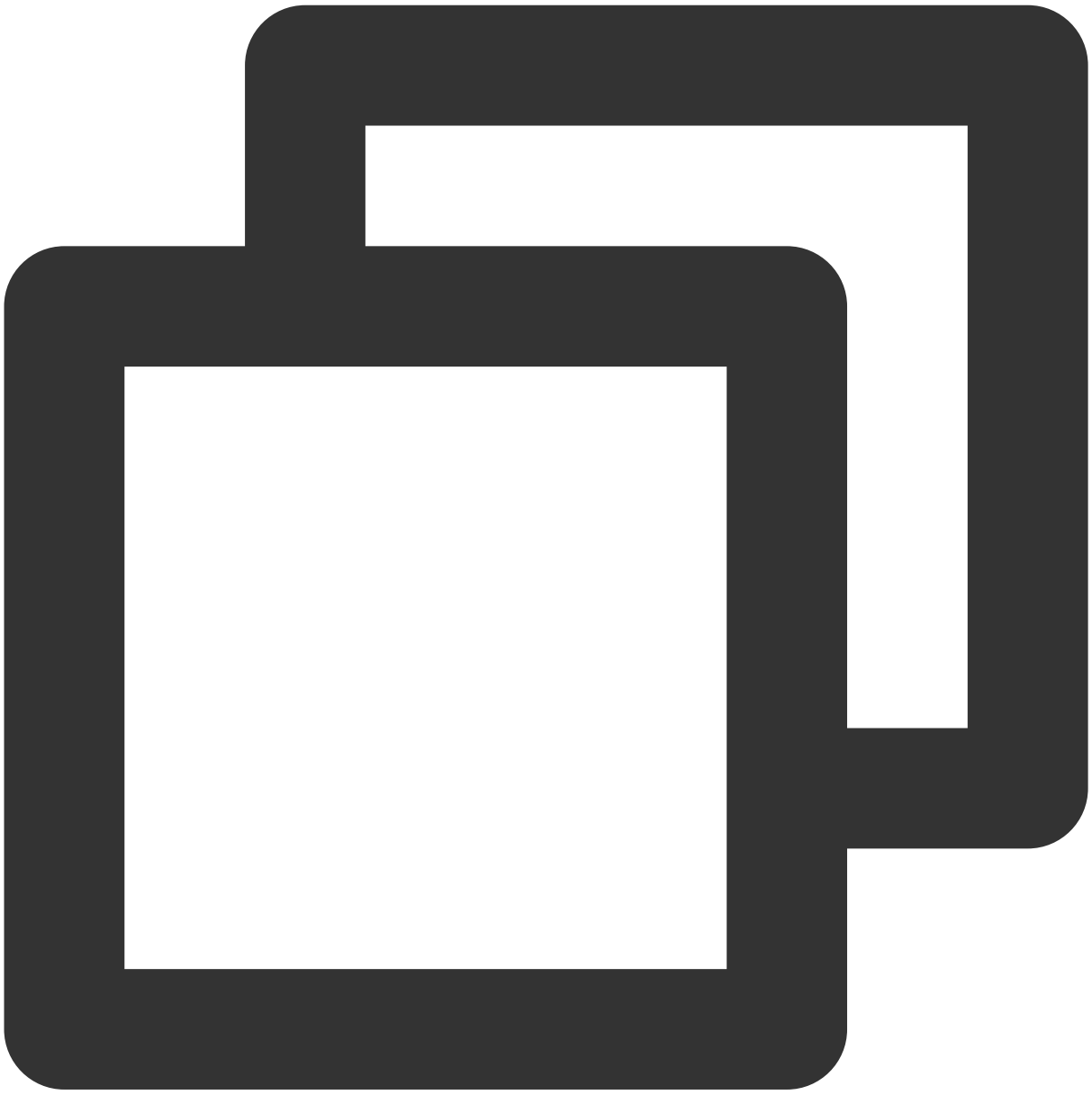
API Calling Description

Sample request URL



```
https://xxxxxx/v4/openim/admin_getroammsg?sdkappid=88888888&identifier=admin&usersi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

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Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/admin_getroammsg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample requests and responses

For example, `user1` and `user2` had a conversation, and you want to query the conversation history from 2020-03-20 10:00:00 to 2020-03-20 11:00:00 from the perspective of user2.

Sample request

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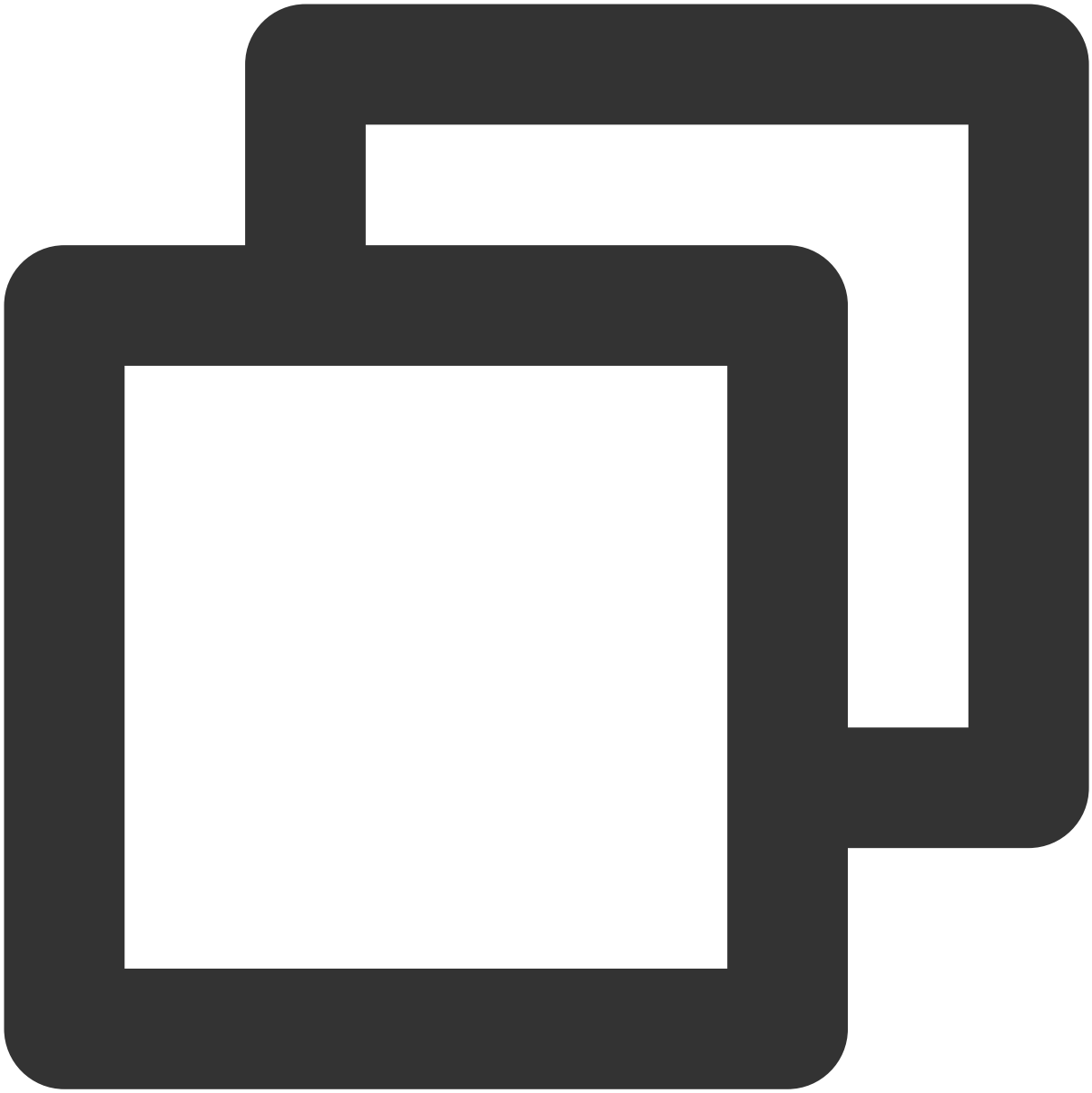

```
{
    "Operator_Account":"user2",
    "Peer_Account":"user1",
    "MaxCnt":100,
    "MinTime":1584669600,
    "MaxTime":1584673200
}
```

Sample response

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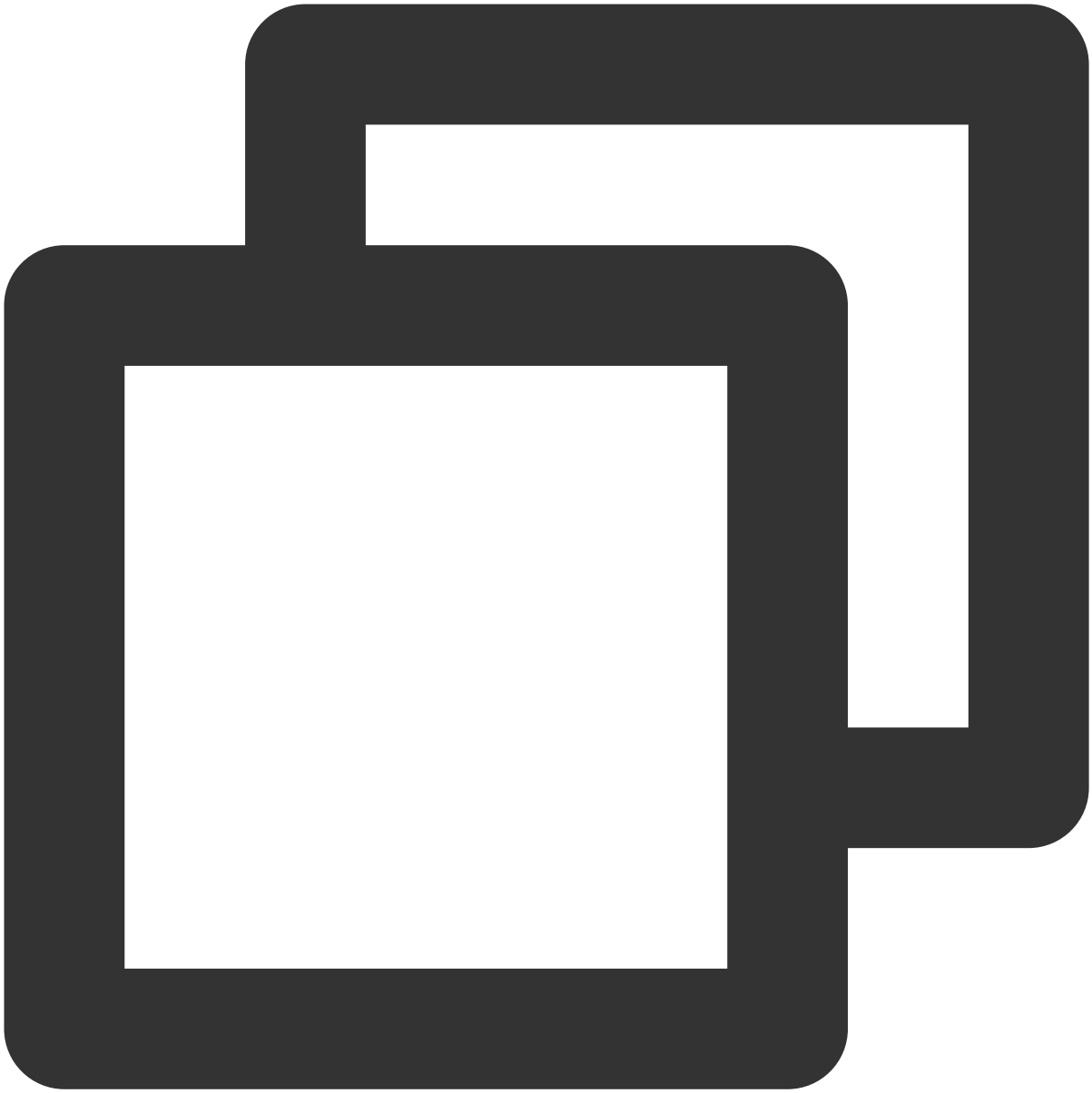

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "Complete": 0,
    "MsgCnt": 12, //12 messages were returned for the pull.
    "LastMsgTime": 1584669680,
    "LastMsgKey": "549396494_2578554_1584669680",
    "MsgList": [
        {
            "From_Account": "user1",
```

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```
            "To_Account": "user2",
            "MsgSeq": 549396494,
            "MsgRandom": 2578554,
            "MsgTimeStamp": 1584669680,
            "MsgFlagBits": 0,
            "IsPeerRead": 0,
            "MsgKey": "549396494_2578554_1584669680",
            "MsgBody": [
                {
                    "MsgType": "TIMTextElem",
                    "MsgContent": {
                        "Text": "msg 1"
                    }
                }
            ],
            "CloudCustomData": "your cloud custom data"
        },
        {
            "From_Account": "user2",
            "To_Account": "user1",
            "MsgSeq": 1054803289,
            "MsgRandom": 7201,
            "MsgTimeStamp": 1584669689,
            "MsgFlagBits": 0,
            "IsPeerRead": 0,
            "MsgKey": "1054803289_7201_1584669689",
            "MsgBody": [
                {
                    "MsgType": "TIMTextElem",
                    "MsgContent": {
                        "Text": "msg 2"
                    }
                }
            ],
            "CloudCustomData": "your cloud custom data"
        },
        { ... } // The remaining ten messages are not listed for simplicity.
    ]
}
```


In the response, `"Complete": 0` indicates that not all messages generated within the time range have been pulled. Therefore, continued pulling is required.

In the continued pulling request, the value of `MaxTime` must be changed to the value of `LastMsgTime` in the response, and the `LastMsgKey` in the response must be entered, as shown below:

Sample continued pulling request

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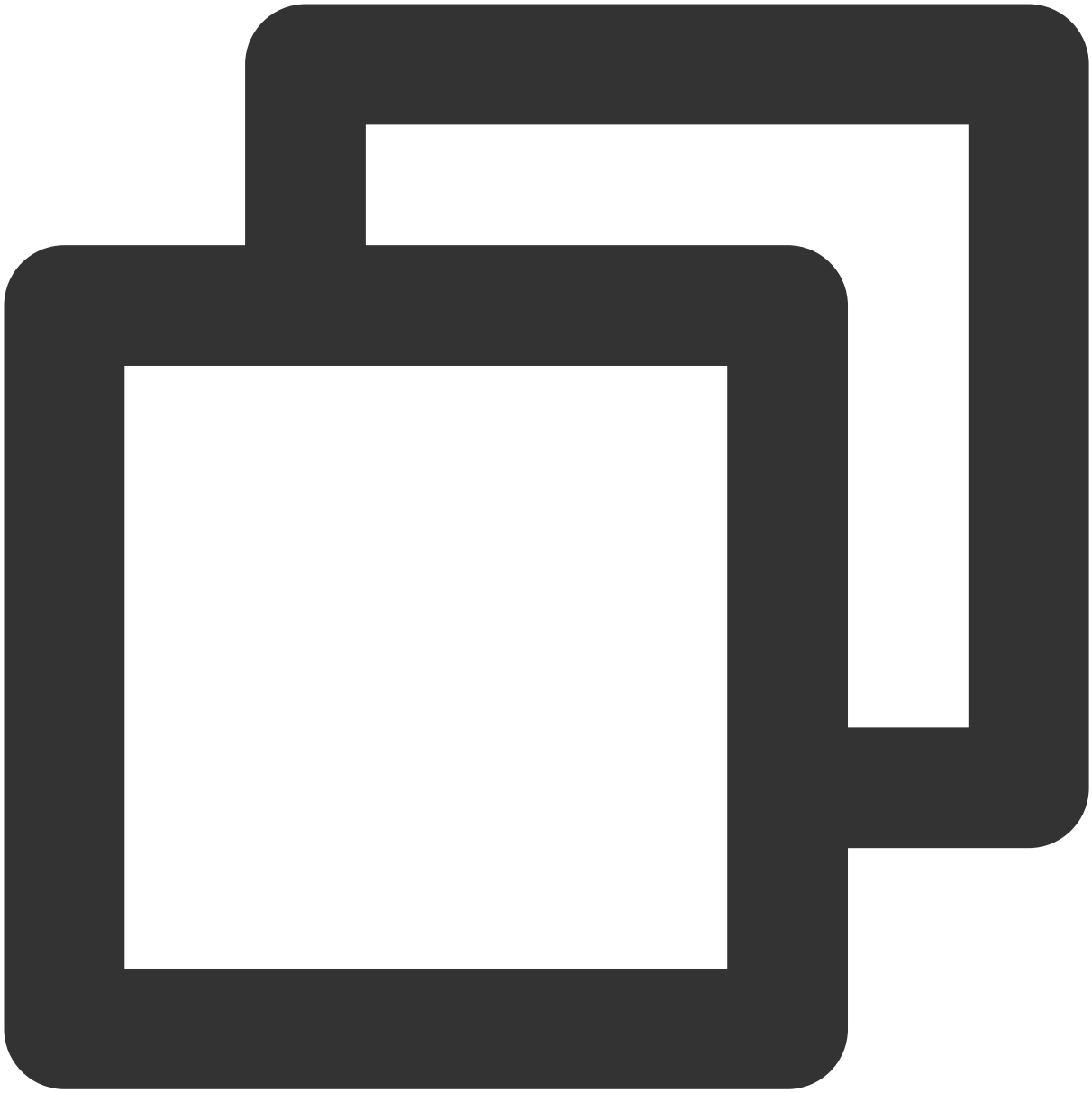

```
{
    "Operator_Account":"user2",
    "Peer_Account":"user1",
    "MaxCnt":100,
    "MinTime":1584669600,
    "MaxTime":1584669680,
    "LastMsgKey": "549396494_2578554_1584669680"
}
```

Sample response

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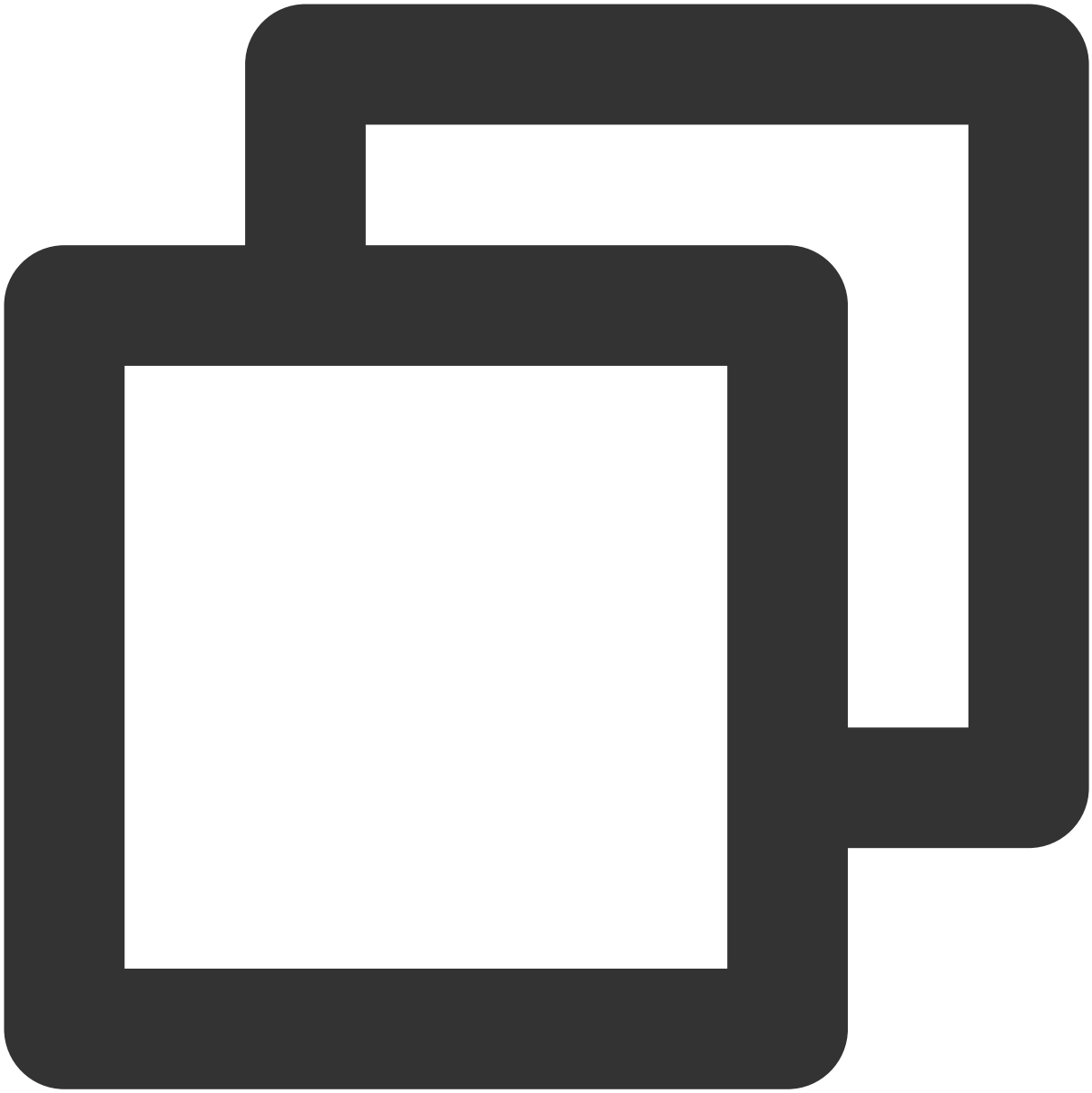

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "Complete": 1,
    "MsgCnt": 5, // Five messages were returned for the pull.
    "LastMsgTime": 1584669601,
    "LastMsgKey": "1456_23287_1584669601",
    "MsgList": [
        {
            "From_Account": "user1",
```

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```
            "To_Account": "user2",
            "MsgSeq": 1456,
            "MsgRandom": 23287,
            "MsgTimeStamp": 1584669601,
            "MsgFlagBits": 0,
            "IsPeerRead": 1,
            "MsgKey": "1456_23287_1584669601",
            "MsgBody": [
                {
                    "MsgType": "TIMTextElem",
                    "MsgContent": {
                        "Text": "msg 13"
                    }
                }
            ],
            "CloudCustomData": "your cloud custom data"
        },
        {
            "From_Account": "user2",
            "To_Account": "user1",
            "MsgSeq": 9806,
            "MsgRandom": 14,
            "MsgTimeStamp": 1584669602,
            "MsgFlagBits": 0,
            "IsPeerRead": 1,
            "MsgKey": "9806_14_1584669602",
            "MsgBody": [
                {
                    "MsgType": "TIMTextElem",
                    "MsgContent": {
                        "Text": "msg 14"
                    }
                }
            ],
            "CloudCustomData": "your cloud custom data"
        },
        { ... } // The remaining three messages are not listed for simplicity.
    ]
}
```

In the response, `"Complete": 1` indicates that all messages generated within the time range have been pulled. If the value of `Complete` in the response is `0`, you need to continue pulling messages until the value of `Complete` becomes `1`.

Request fields

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Field	Type	Required	Description
Operator_Account	String	Yes	UserID of one party of the conversation for which messages are queried. The result may be different if you query messages for the other party of the same conversation. For more information, see the API description section.
Peer_Account	String	Yes	`UserID` of the other party in the conversation
MaxCnt	Integer	Yes	Number of messages to query
MinTime	Integer	Yes	Minimum value of the time range for message query, in seconds
MaxTime	Integer	Yes	Maximum value of the time range for message query, in seconds
LastMsgKey	String	No	`MsgKey` of the last message that was pulled previously. This field is required for continued pulling. For more information, see the preceding sample.

Sample response

Response to a successful request

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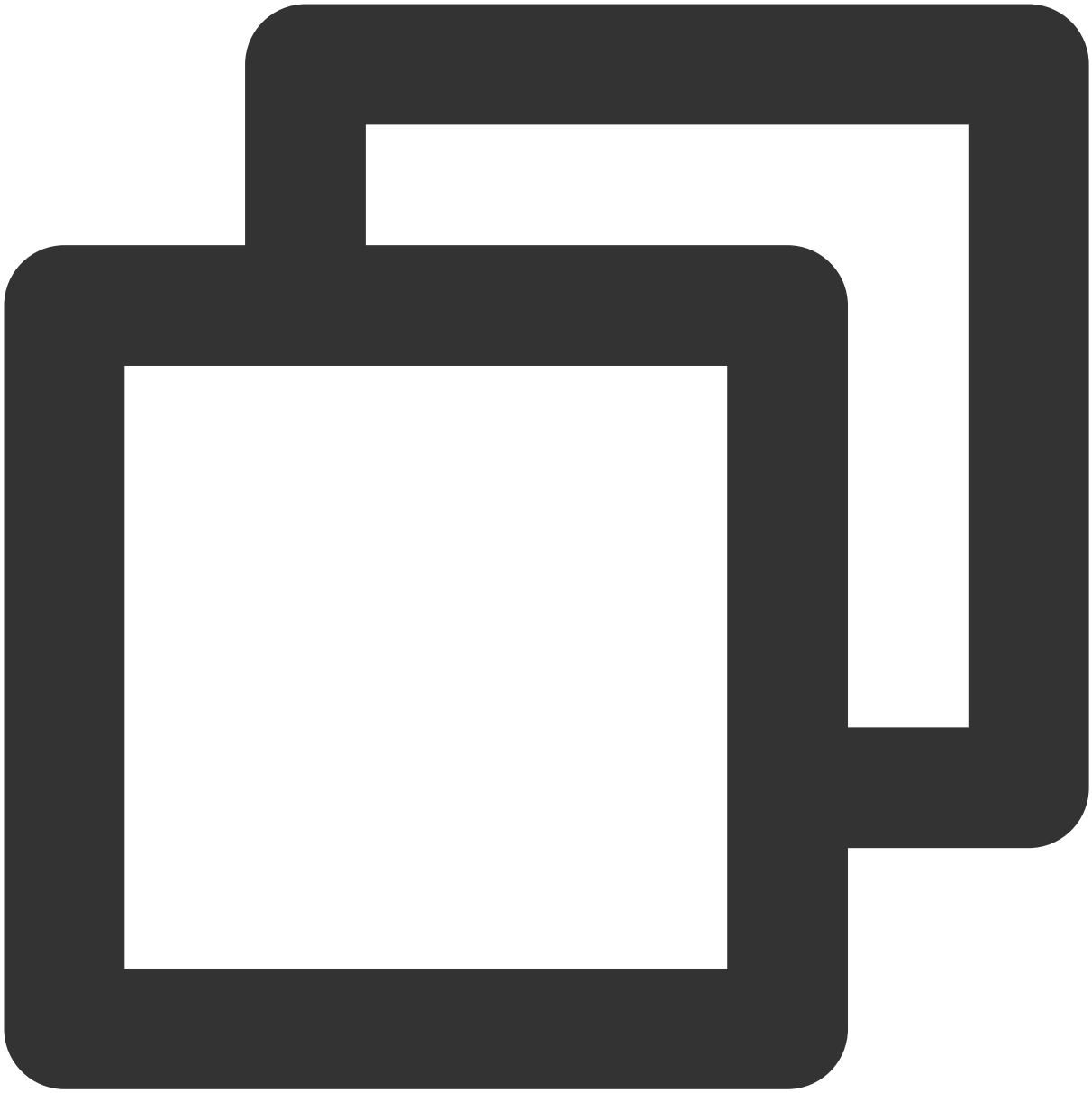


```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Complete": 1,
  "MsgCnt": 1,
  "LastMsgTime": 1584669680,
  "LastMsgKey": "549396494_2578554_1584669680",
  "MsgList": [
      {
          "From_Account": "user1",
```


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```
            "To_Account": "user2",
            "MsgSeq": 549396494,
            "MsgRandom": 2578554,
            "MsgTimeStamp": 1584669680,
            "MsgFlagBits": 0,
            "IsPeerRead": 0,
            "MsgKey": "549396494_2578554_1584669680",
            "MsgBody": [
                {
                    "MsgType": "TIMTextElem",
                    "MsgContent": {
                        "Text": "1"
                    }
                }
            ],
            "CloudCustomData": "your cloud custom data"
        }
    ]
}
```

Response to a failed request

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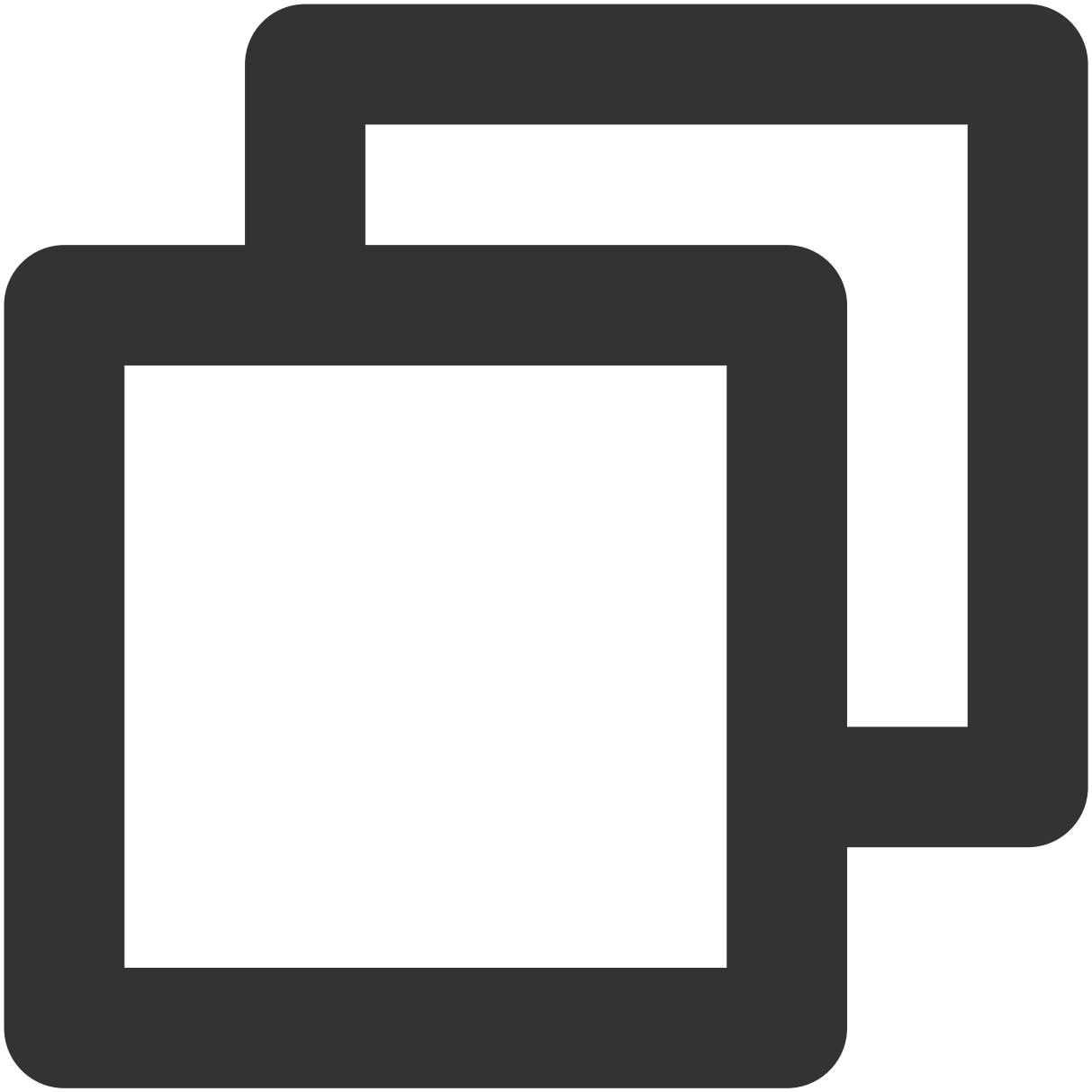

```
{
  "ActionStatus": "FAIL",
  "ErrorInfo": "Fail to Parse json data of body, Please check it",
  "ErrorCode": 90001
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
Complete	Integer	Whether all messages have been pulled. `0` : no, continued pulling is required; `1` : yes
MsgCnt	Integer	Number of messages that were pulled this time
LastMsgTime	Integer	Time when the last message was pulled this time
LastMsgKey	String	Identifier of the last message pulled this time
MsgList	Array	List of returned messages
MsgFlagBits	Integer	Message attribute. `0` : normal message; `8` : recalled message
IsPeerRead	Integer	Whether the recipient has sent the read receipt of this message. Valid values: `0` for no and `1` for yes. For details, see the feature description of this API.
MsgBody	Array	Message body. For details on formats, see Message Formats. (Note: A message can contain multiple message elements, in which case `MsgBody` is an array.)
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled.
MsgKey	String	Message identifier. You can use this field when calling the RESTful API for recalling one-to-one messages.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON request. Make sure the format is valid.
90003	The `To_Account` field is missing in the JSON request or it is not a string.

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90008	The `From_Account` field is missing in the JSON request or the account it specifies does not exist.
90009	The request requires app admin permissions.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending One-to-One Messages to One User (v4/openim/sendmsg)
Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)
Recalling One-to-One Messages (v4/openim/admin_msgwithdraw)

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Pulling Historical Group Messages

Last updated：2024-07-16 10:41:26

Background

Tencent Chat group messages are sorted by seq, and seq is allocated according to the order in which group messages are received by the server. The seq is greater for group messages sent earlier and smaller for group messages sent later.
To pull all the messages of a group, you do not need to enter the seq for the initial pull. Instead, the server automatically returns the latest messages. For subsequent pulls, enter the previously returned smallest seq minus 1.
If the value of `IsPlaceMsg` in the returned message is `1`, it indicates that the message with this seq has expired, failed to be stored, or been deleted.

Feature Overview

This API allows the app administrator to pull the historical messages of a group.

API Calling Description

Applicable group types

Group Type ID	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the Chat built-in groups. For more information, please see Group System.
Note
Audio-video groups (AVChatRoom) do not support this API because the historical messages of this type of group cannot be stored.

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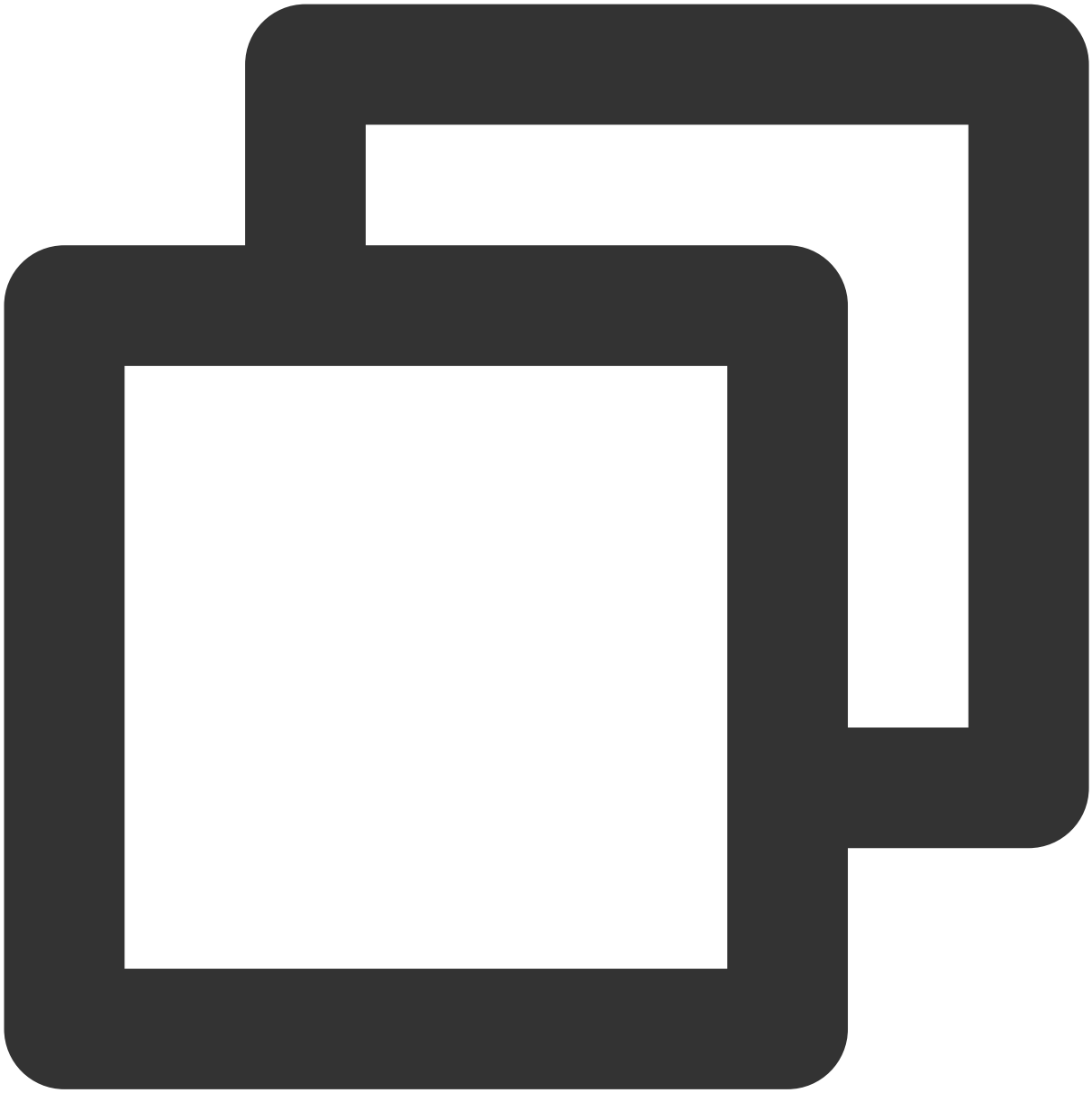
Sample request URL



```
https://xxxxxx/v4/group_open_http_svc/group_msg_get_simple?sdkappid=88888888&identi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description

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xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/group_msg_get_simple	The request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

Basic format

Pulls the historical messages of a group. The most recent `ReqMsgNumber` group messages will be returned.

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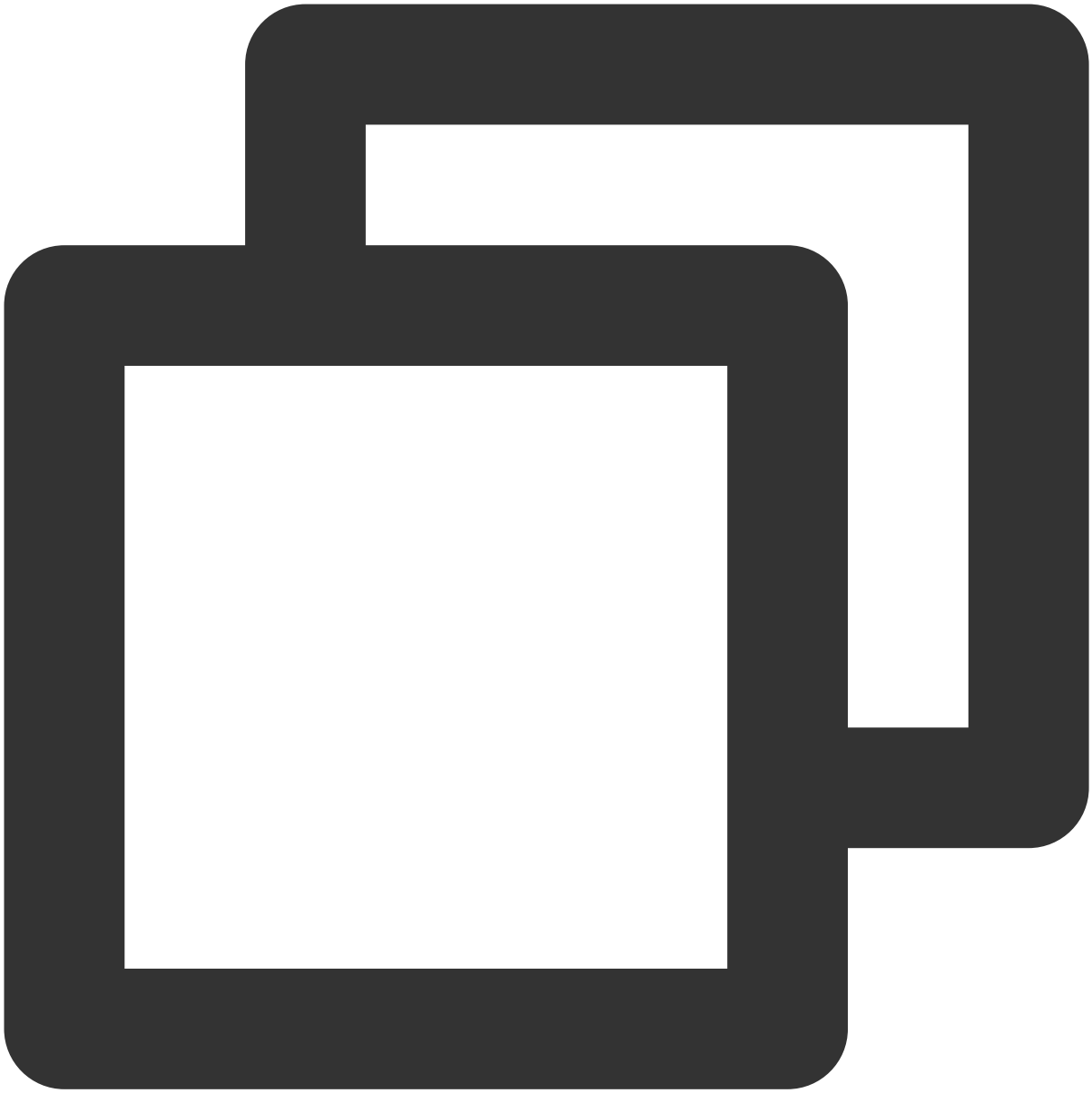

```
{
  "GroupId": "@TGS#15ERQPAER",    // The ID of the group of which messages are to b
  "ReqMsgNumber": 2      // The number of messages to be pulled
}
```

Pulling by seq

Pulls the historical messages of a group based on the specified seq.

The seq of the returned messages is less than or equal to the `ReqMsgNumber` of `ReqMsgSeq`.

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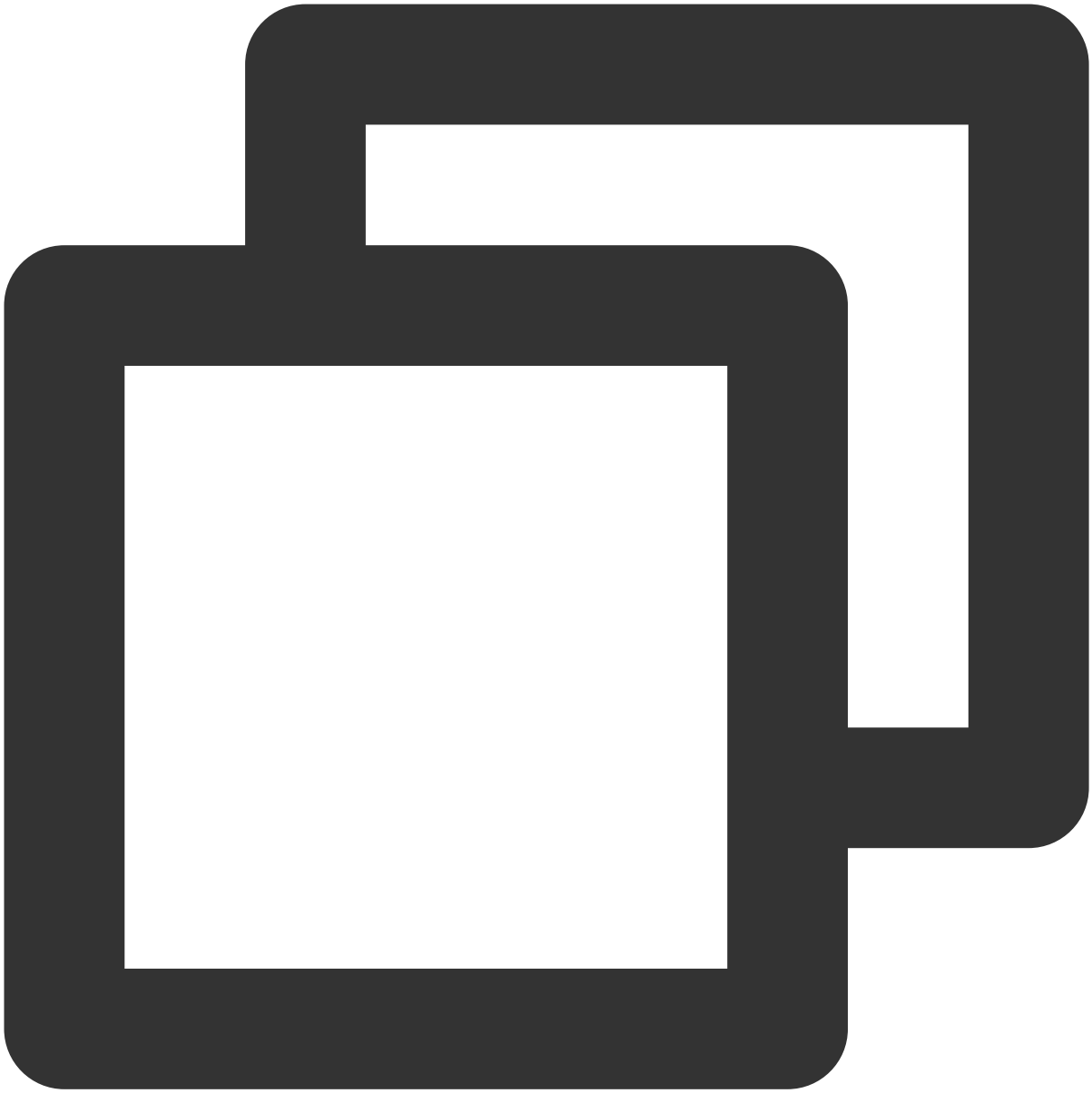

```
{
  "GroupId": "@TGS#15ERQPAER",
  "ReqMsgSeq": 7803321,       // The maximum seq of the requested messages. The mes
  "ReqMsgNumber": 2
}
```

Request fields

Field	Type	Required	Description

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GroupId	String	Yes	The ID of the group of which messages are to be pulled
ReqMsgNumber	Integer	Yes	The number of historical messages to be pulled. At present, a maximum of 20 historical messages can be returned per request. Therefore, please set the value of this field to 20 or less.
ReqMsgSeq	Integer	No	The maximum seq of the messages to be pulled
WithRecalledMsg	Integer	Optional	Whether to pull recalled messages. `1` : pull recalled messages. Recalled messages are not pulled by default.
TopicId	String	No	ID of the topic for which messages are pulled. This field applies only to topic-enabled communities.

Sample response

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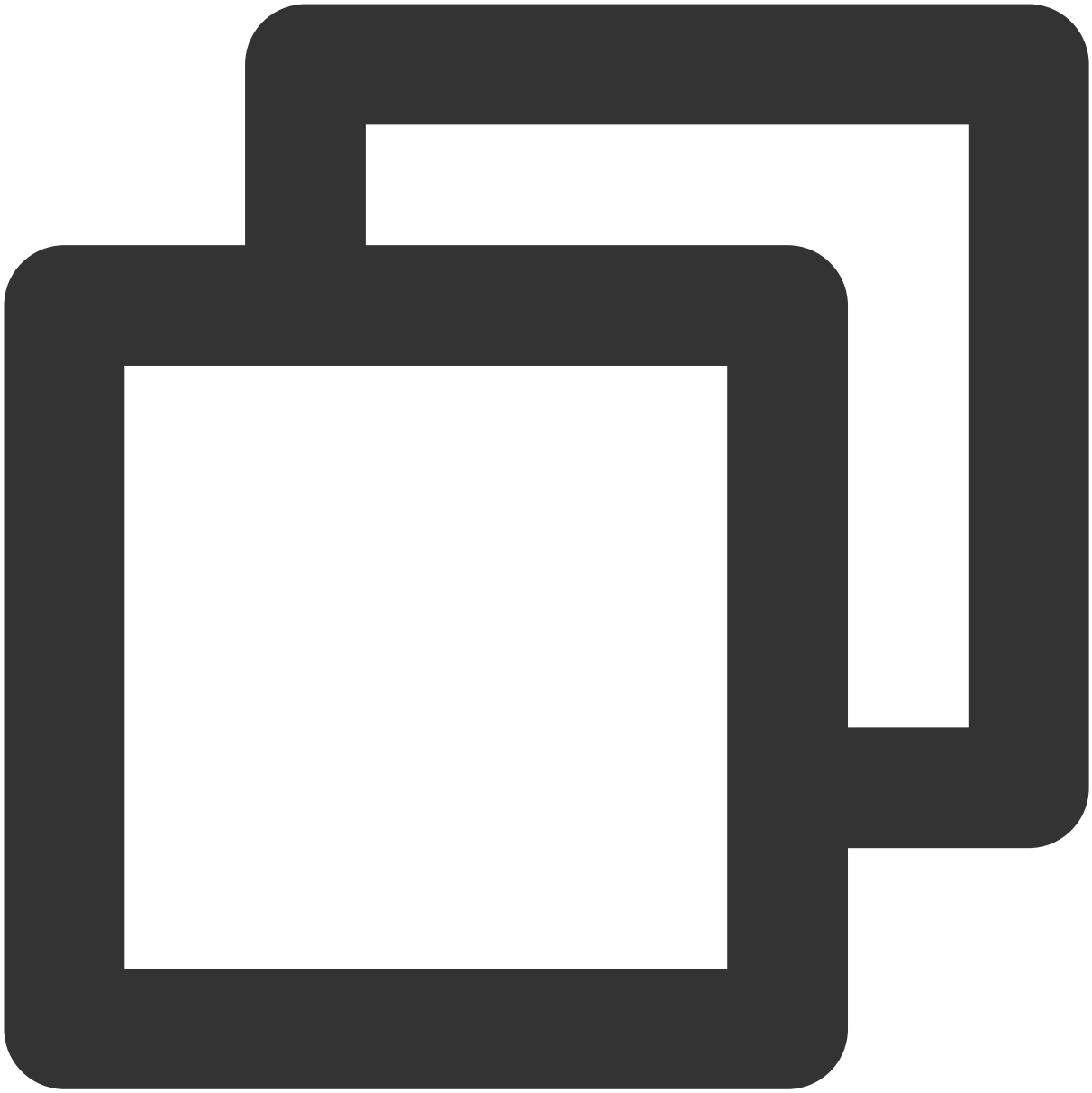


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupId": "@TGS#15ERQPAER",
    "IsFinished": 1,
    "RspMsgList": [
        {
            "From_Account": "14411519727651880 1",
            "IsPlaceMsg": 0,
            "MsgBody": [
```


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```
                {
                    "MsgContent": {
                        "Data": "\\b\\u0001\\u0010\\u0006\\u001A\\u0006 MaoTong",
                        "Desc": "MIF",
                        "Ext": ""
                    },
                    "MsgType": "TIMCustomElem"
                },
                {
                    "MsgContent": {
                        "Data": "",
                        "Index": 15
                    },
                    "MsgType": "TIMFaceElem"
                }
            ],
            "MsgPriority": 1,
            "MsgRandom": 51083293,
            "MsgSeq": 7803321,
            "MsgTimeStamp": 1458721802
        },
        {
            "From_Account": "144115198339527735",
            "IsPlaceMsg": 0,
            "MsgBody": [
                {
                    "MsgContent": {
                        "Data": "\\b\\u0001\\u0010\\u0006\\u001A\\u000F Watermelon
                        "Desc": "MIF",
                        "Ext": ""
                    },
                    "MsgType": "TIMCustomElem"
                },
                {
                    "MsgContent": {
                        "Text": "Report"
                    },
                    "MsgType": "TIMTextElem"
                }
            ],
            "MsgPriority": 1,
            "MsgRandom": 235168582,
            "MsgSeq": 7803320,
            "MsgTimeStamp": 1458721797
        }
    ]
}
```


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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
`groupID`	`String`	The group ID in the request
IsFinished	Integer	Whether all the requested messages are returned. `1` : All the requested messages are returned. `0` : Not all requested messages are returned because the messages are too long or the number of messages is greater than 20. `2` : The requested messages are too long or the number of messages is greater than 20 and all the messages have expired.
MsgList	Array	A list of returned messages
From_Account	String	The UserID of the message sender
IsPlaceMsg	Integer	Whether a message is empty. If the message has been deleted or expired, `MsgBody` is empty and the value of this field is `1` . If the message has been recalled, the value of this field is `2` .
MsgPriority	Integer	Message priority, which is used for message deduplication. A value is entered when the client sends a message. If no value is entered, the server automatically generates one. `1` : high priority; `2` : normal priority, `3` : low priority; `4` : lowest priority
MsgRandom	Integer	Message random value, which is used for message deduplication. A value is entered when the client sends a message. If no value is entered, the server automatically generates one.
MsgSeq	Integer	The unique seq of the message. The smaller the value, the earlier the message was sent.
MsgTimeStamp	Integer	The timestamp when the message was sent, which follows the server time system
MsgBody	Array	Message body. For more information, see Message Formats.
IsSystemMsg	Integer	Whether the message is a system message. `1` : Yes

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. The operator must have permissions to perform corresponding operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Setting the Unread Message Count of a Member (v4/group_open_http_svc/set_unread_msg_num)

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Pulling Historical Official Account Messages

Last updated：2024-07-16 10:41:26

Background

Chat's Official Account messages are sorted by Seq, which is assigned according to the order in which the server receives the Official Account messages. Earlier messages have a smaller Seq, and later ones have a larger Seq.
Chat generates a MsgKey for each Official Account message, in the format of "Seq_1_ServerTime".
If users want to pull all messages from a Official Account, they need to provide the LastMsgKey of the message. There is no need to fill in the LastMsgKey for the first pull, as the Server will automatically return the latest messages. For subsequent pulls, fill in the LastMsgKey with the LastMsgKey returned from the last request.
If the returned message's IsPlaceMsg is 1, it means that the message of this Seq has either expired, failed to store, or has been deleted.

Feature Overview

App administrators can use this interface to pull historical messages from the official account.

API Calling Description

Sample request URL

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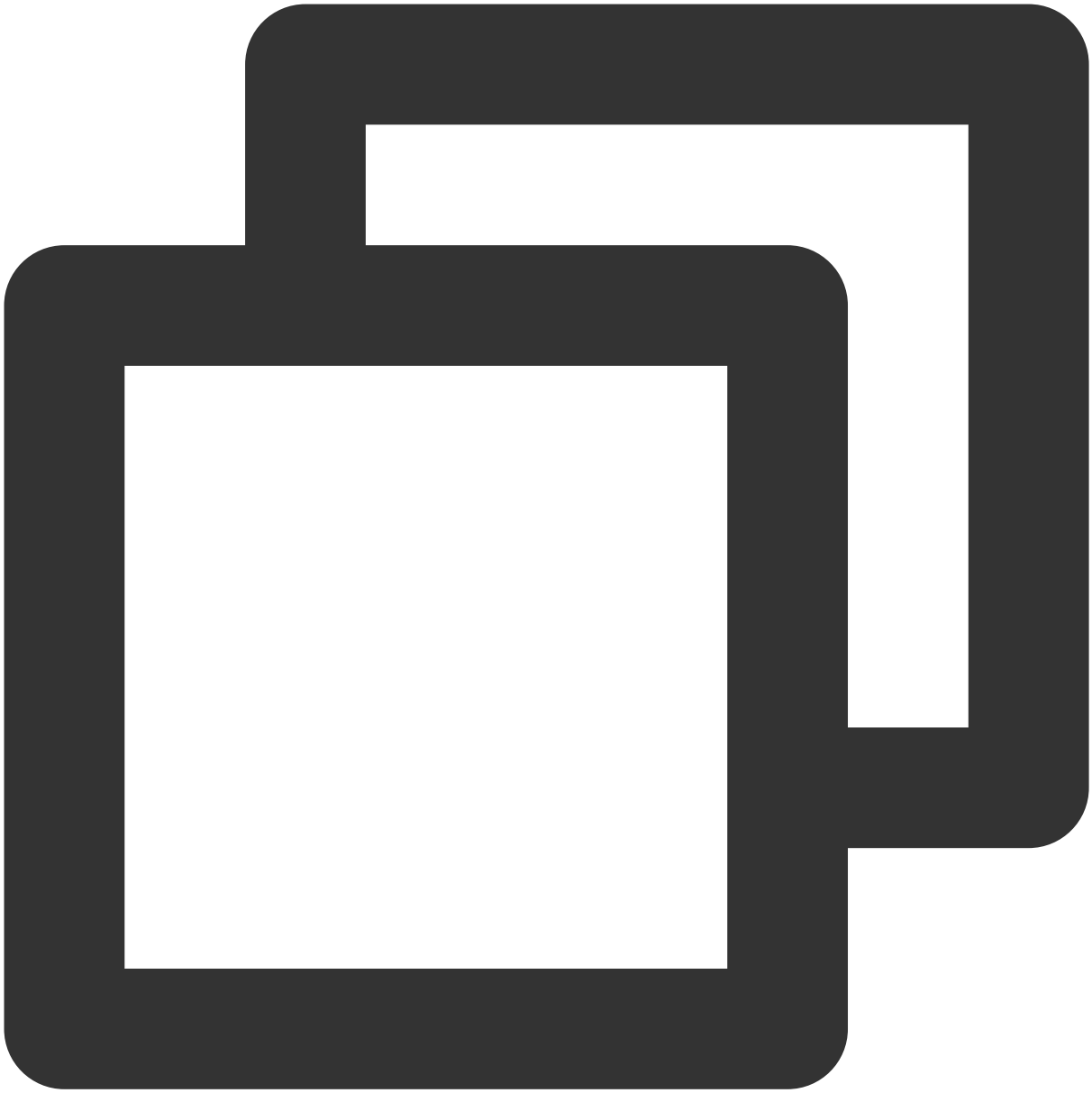

```
https://xxxxxx/v4/official_account_open_http_svc/official_account_msg_get_simple?sd
```

Request parameters

The table below only lists the parameters modified when calling this API and their descriptions. For more details on the parameters, please refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain for the country/region where your SDKAppID is

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	located: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/official_account_msg_get_simple	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an App admin account. For more details, see App Admins
usersig	The Signature generated by the App admin account. For details, see Generating UserSig
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum calling frequency

200 queries/sec.

Sample request packets

Basic form

Pulling the official account's historical messages returns the latest ReqMsgNumber messages from the official account.

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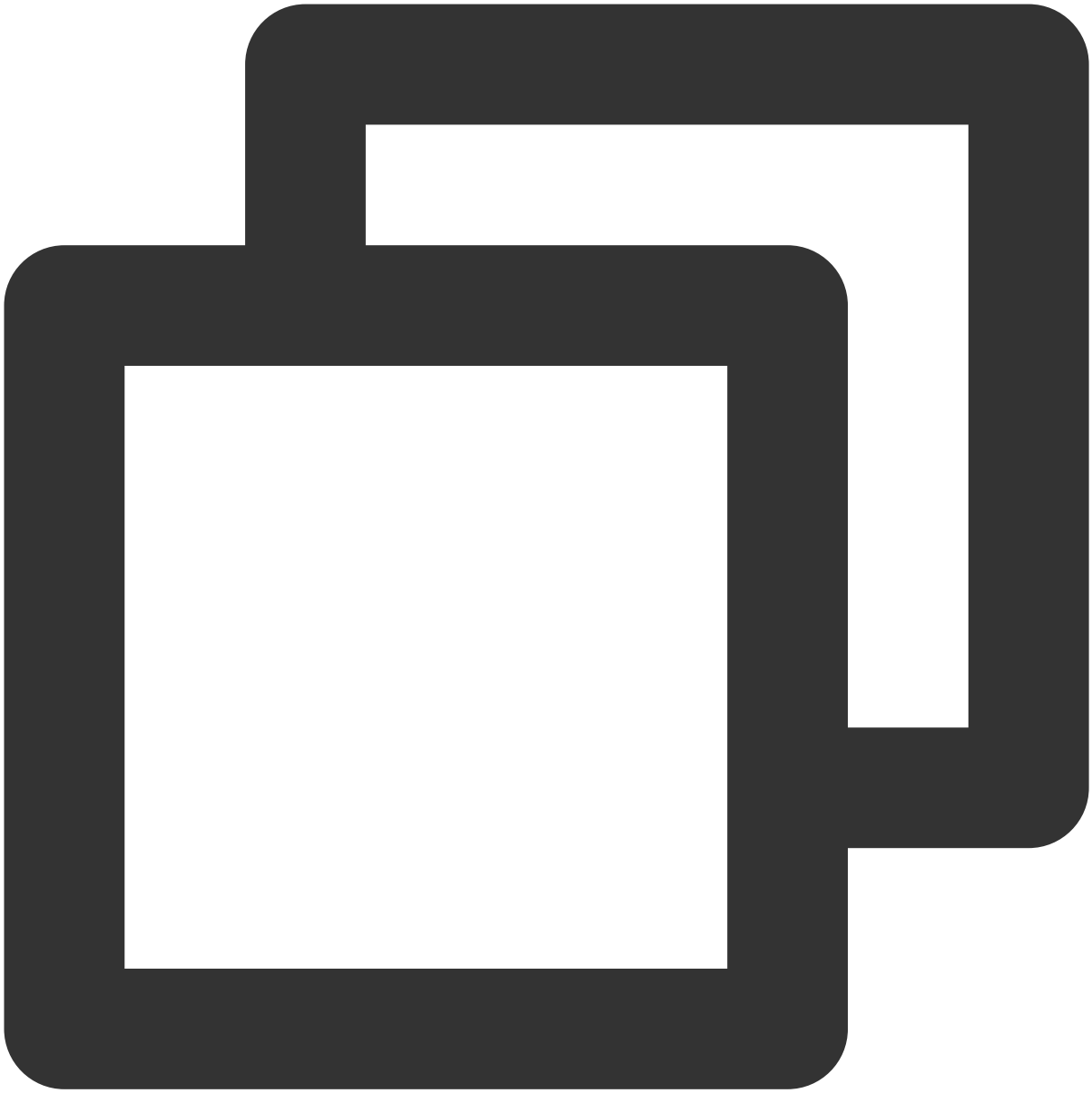

```
{
  "Official_Account": "@TOA#_15ERQPAER",    //Pull messages from the official accou
  "ReqMsgNumber": 2      //Number of messages to pull
}
```

Continue pulling by LastMsgKey

Returns messages earlier than the specified LastMsgKey.

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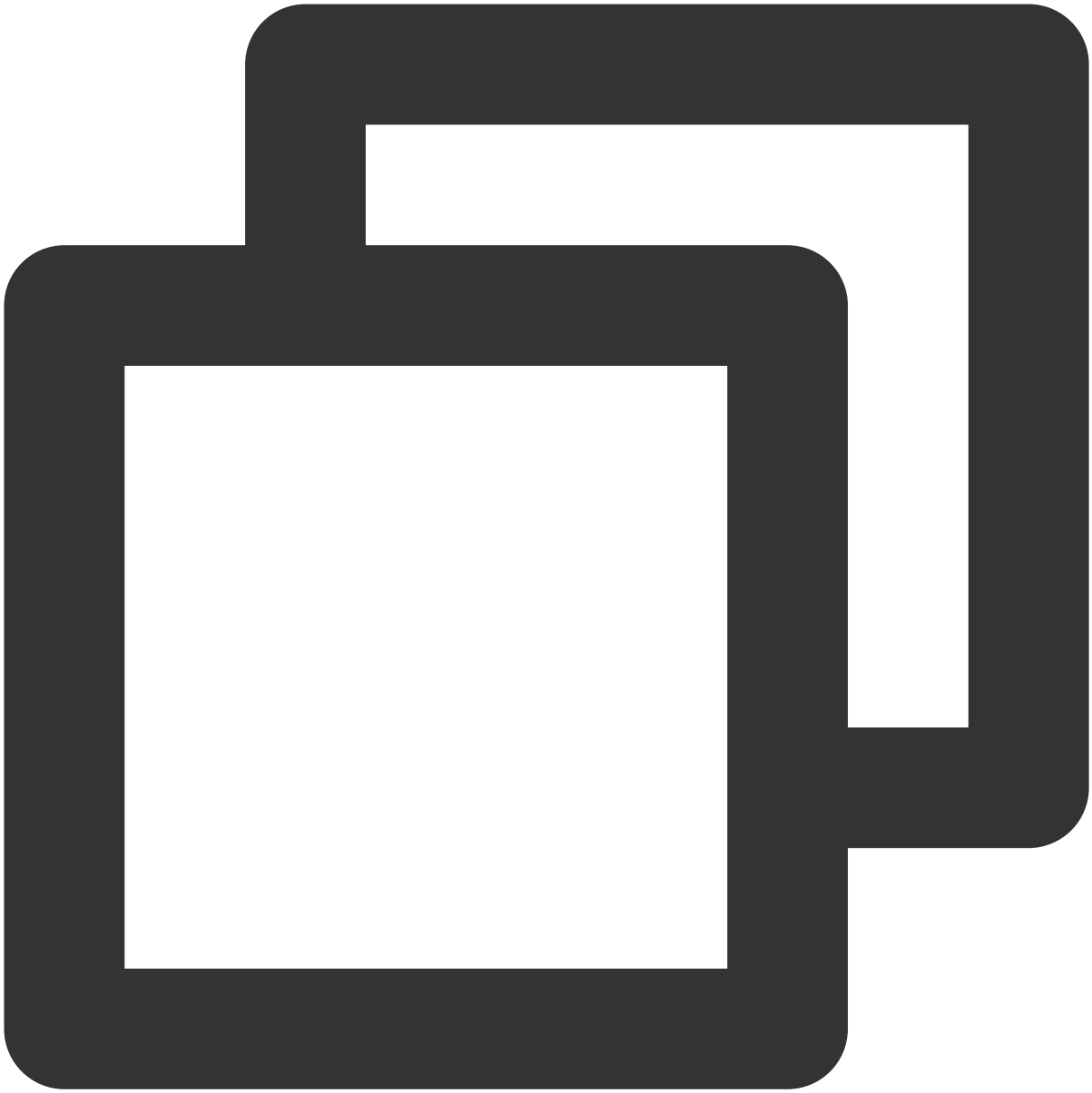

```
{
  "Official_Account": "@TOA#_15ERQPAER",
  "LastMsgKey": "71_1_1698741698",       // Continuation MsgKey
  "ReqMsgNumber": 2
}
```

Request packet fields

Field	Type	Attribute	Description

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Official_Account	String	Mandatory	Official account user whose historical messages are to be pulled
LastMsgKey	String	Optional	The MsgKey of the last message fetched last time. This field must be filled for continuation pulling. See the method of filling above in Sample
ReqMsgNumber	Integer	Optional	Number of requested messages
WithRecalledMsg	Integer	Optional	Whether to pull messages that have been revoked, filling in 1 indicates the need to pull messages after revocation; by default, messages after revocation are not pulled

Sample response packets

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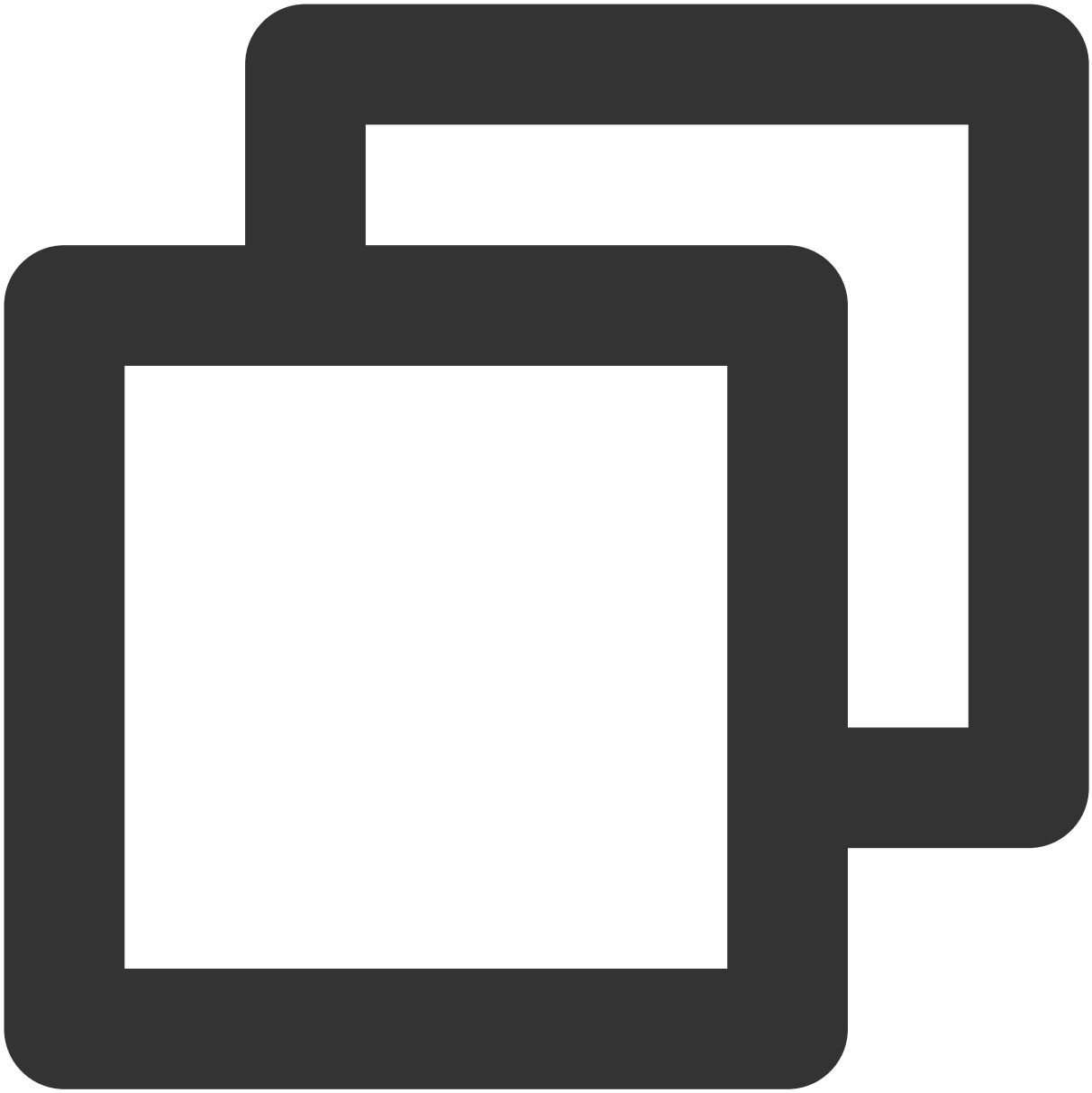


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "Official_Account": "@TOA#_15ERQPAER",
    "IsFinished": 1,
    "LastMsgKey": "71_1_1698741698"
    "RspMsgList": [
        {
            "From_Account": "14411519727651880 1",
            "IsPlaceMsg": 0,
```


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```
            "MsgBody": [
                {
                    "MsgContent": {
                        "Data": "\\b\\u0001\\u0010\\u0006\\u001A\\u0006Cat's Eye",
                        "Desc": "MIF",
                        "Ext": ""
                    },
                    "MsgType": "TIMCustomElem"
                },
                {
                    "MsgContent": {
                        "Data": "",
                        "Index": 15
                    },
                    "MsgType": "TIMFaceElem"
                }
            ],
            "MsgSeq": 71,
            "MsgKey" :"71_1_1698741698"
            "MsgTimeStamp": 1698741698
        },
        {
            "From_Account": "144115198339527735",
            "IsPlaceMsg": 0,
            "MsgBody": [
                {
                    "MsgContent": {
                        "Data": "\\b\\u0001\\u0010\\u0006\\u001A\\u000FWatermelon S
                        "Desc": "MIF",
                        "Ext": ""
                    },
                    "MsgType": "TIMCustomElem"
                },
                {
                    "MsgContent": {
                        "Text": "Report"
                    },
                    "MsgType": "TIMTextElem"
                }
            ],
            "MsgSeq": 72,
            "MsgKey" :"72_1_1698741700"
            "MsgTimeStamp": 1698741700
        }
    ]
}
```


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Response packet field description

Field	Type	Description
ActionStatus	String	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorInfo	String	Error message
ErrorCode	Integer	Error Identifier: 0: Indicates success Non-zero: Indicates failure
Official_Account	String	Official Account Users in the Request
IsFinished	Integer	Whether all messages in the request range have been returned When all messages in the request range are successfully returned, the value is 1 When the message length is too long or the range is too large (exceeding 20), resulting in the inability to return all messages, the value is 0 When all messages before the request range have expired, the value is 2
RspMsgList	Array	The returned message list
IsPlaceMsg	Integer	Whether it is a hollow message, when the message is deleted or expired: If MsgBody is empty, this field is 1 For a recalled message, this field is 2
MsgKey	String	This tag identifies the message, which can be used for recalling Official Account Messages
MsgSeq	Integer	Message seq, used to identify unique messages, the smaller the value, the earlier it is sent
MsgTimeStamp	Integer	Timestamp when the message was sent (in seconds), server time
MsgBody	Object / Array	Message Content, for details please refer to the Message Content MsgBody

Error codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this interface is always 200. The real error code and error message are indicated by ErrorCode, ErrorInfo in the response body.

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Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error code	Description
10002	Internal server error, please try again
10003	Illegal Request Command Word
10004	Invalid parameter, please check if the request is correct based on the error description
10007	Insufficient Operational Permissions, the operator must be a role that is authorized to perform the corresponding operations in the Official Account
10010	Official Account User does not exist, or may have existed in the past, but is now dissolved
10015	Invalid Official Account User ID, please check if the Official Account User ID is correctly filled in

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

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Delete Message
Deleting Messages Sent by a Specified User

Last updated：2024-07-16 10:41:26

Feature Overview

This API can be used to recall the messages sent by a specified user among the last 1,000 messages.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

This API recalls messages that are in historical message storage, but audio-video groups (AVChatRoom) do not support historical message storage. Therefore, this API does not take effect when it is used to recall messages for a user in an audio-video group (but no error will be returned).

This API currently supports silent recall only. A recalled message will be marked as recalled on the server, and the client will not be notified of the recall. The client can know that the message is recalled only when it pulls roaming messages.

Sample request URL

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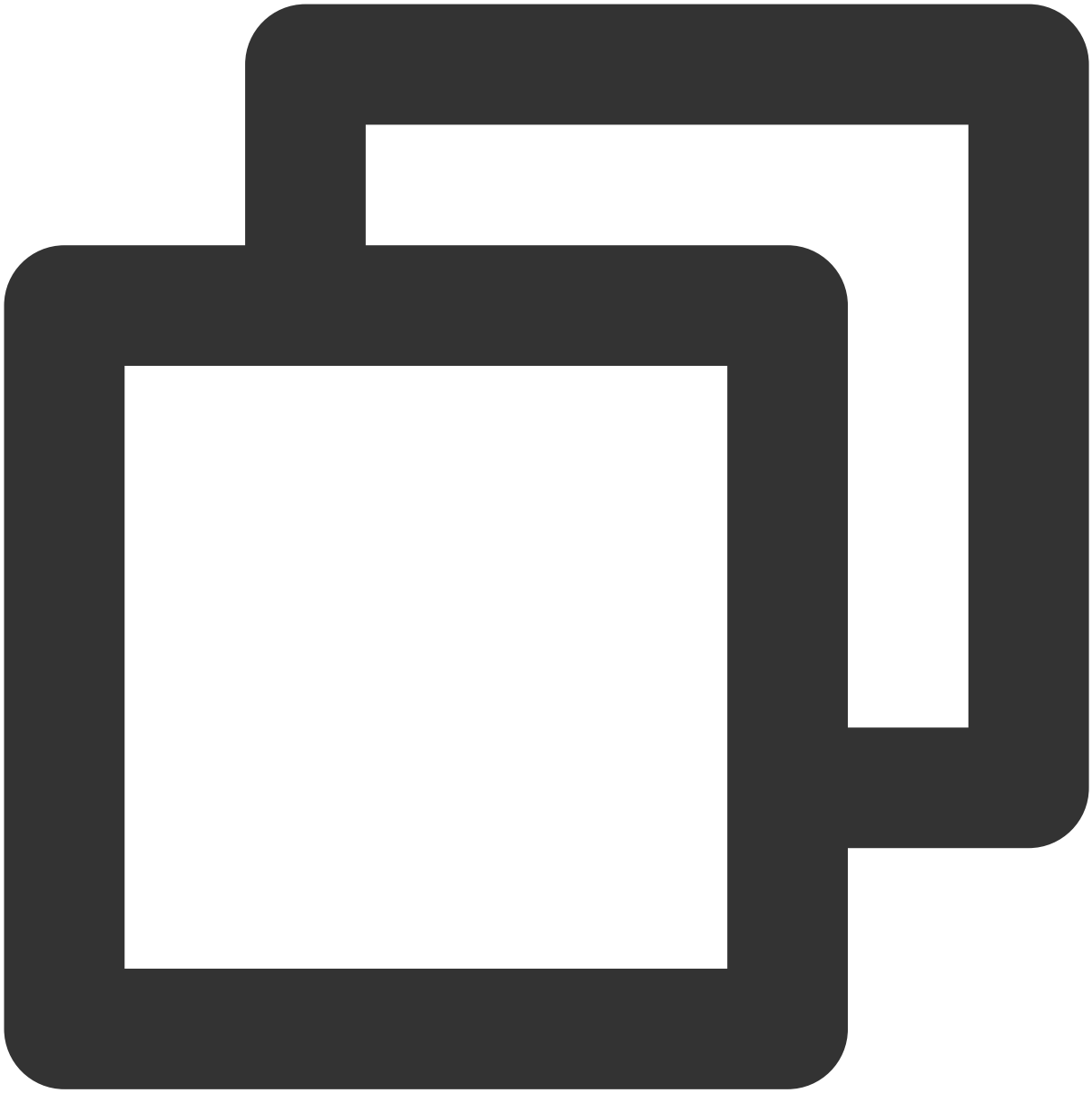

```
https://xxxxxx/v4/group_open_http_svc/delete_group_msg_by_sender?sdkappid=88888888&
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/delete_group_msg_by_sender	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Recall the messages sent by a specified user among the last 1,000 messages of a group:

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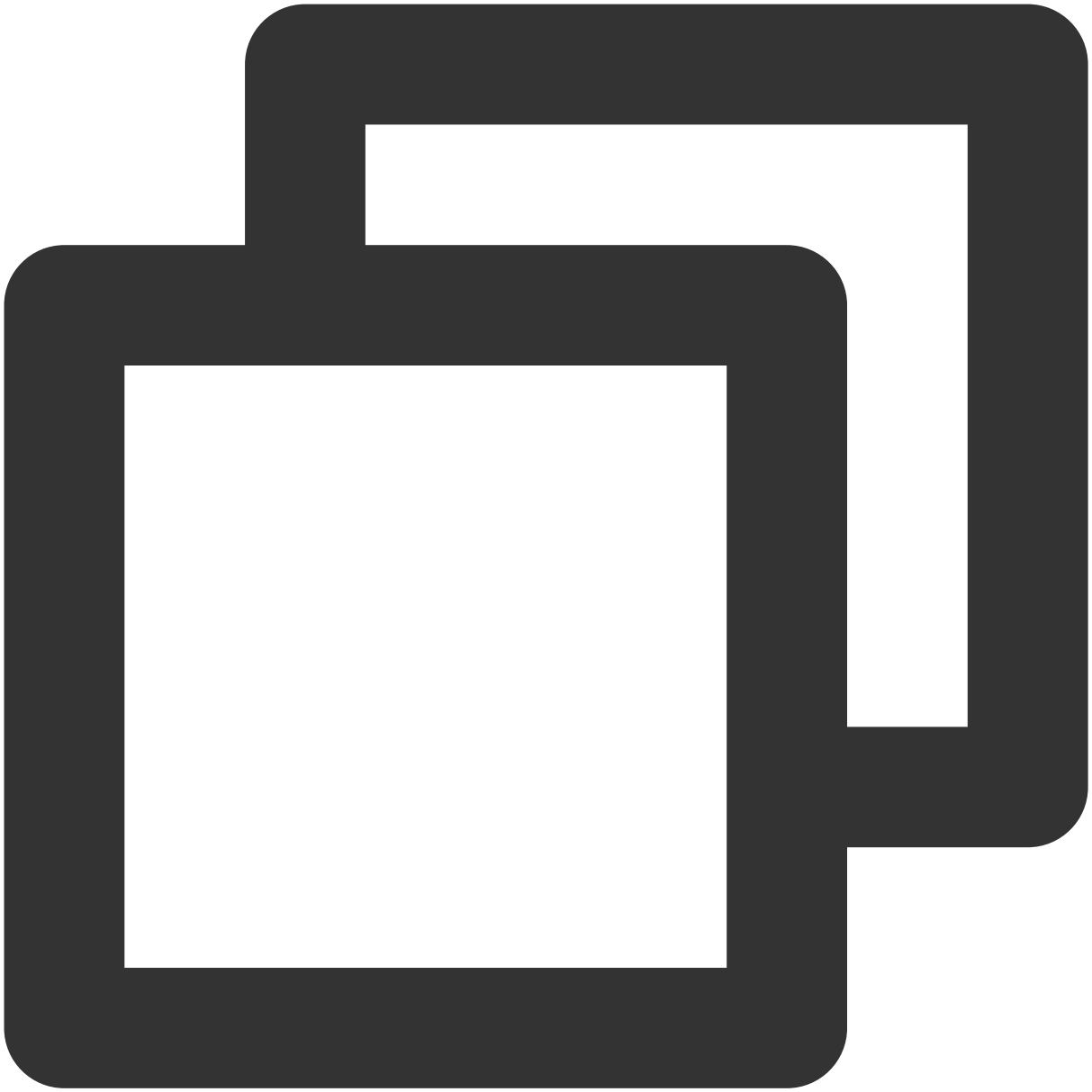

```
{
    "GroupId": "@TGS#2C5SZEAEF",    // Required
    "Sender_Account": "leckie"      // Required
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group where messages are to be recalled

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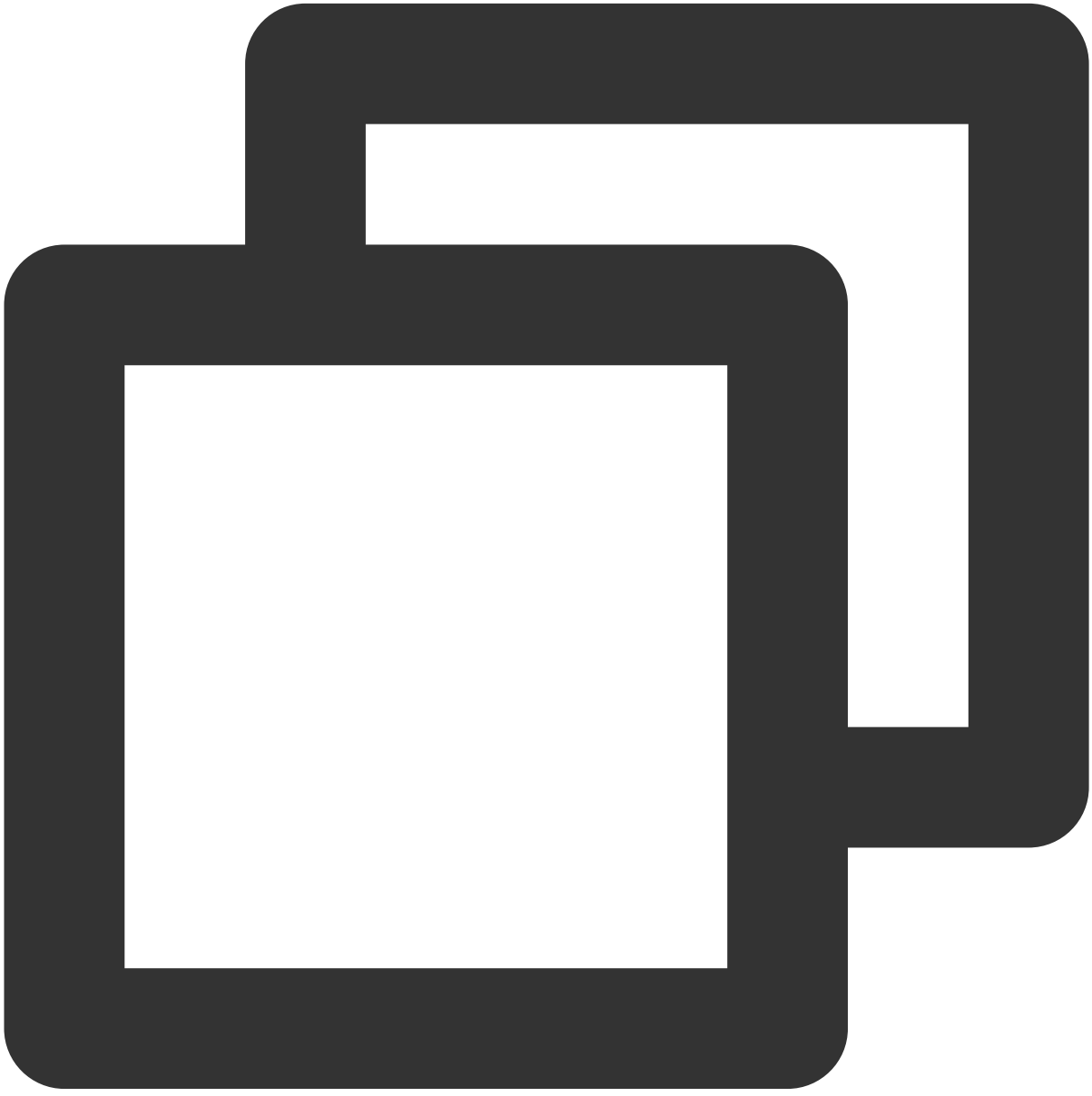
Sender_Account	String	Yes	ID of the sender of the messages to be recalled
TopicId	String	No	Topic ID, which indicates message recall in the corresponding topic and applies only to topic-enabled communities.

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
```

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```
    "ErrorCode":0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

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Deleting Group Members (v4/group_open_http_svc/delete_group_member)

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Withdraw Message
Recalling One-to-One Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API enables administrators to recall one-to-one messages.
This API can recall all one-to-one messages, including those sent by clients or by the v4/openim/sendmsg and v4/openim/batchsendmsg RESTful APIs.
To recall one-to-one messages sent by clients, you can enable the C2C.CallbackBeforeSendMsg or C2C.CallbackAfterSendMsg callback API. Record the `MsgKey` of each one-to-one message via the callback API, and enter it in the `MsgKey` field of this API to recall the message. You can also use the v4/openim/admin_getroammsg API to query the `MsgKey` of the one-to-one message to be recalled, and enter it in the `MsgKey` field of this API to recall the message.
The `MsgKey` field in the responses to the v4/openim/sendmsg and v4/openim/batchsendmsg API calls is required to recall the one-to-one messages sent via these two APIs.
Once a one-to-one message is recalled by this API, it is recalled from offline storage, roaming storage, and the local cache of the sender's and recipient's clients.
This API can recall one-to-one messages sent at any time. There's no time limit.

Note

Please note that one-to-one messages recalled by this API cannot be restored.

API Calling Description

Sample request URL

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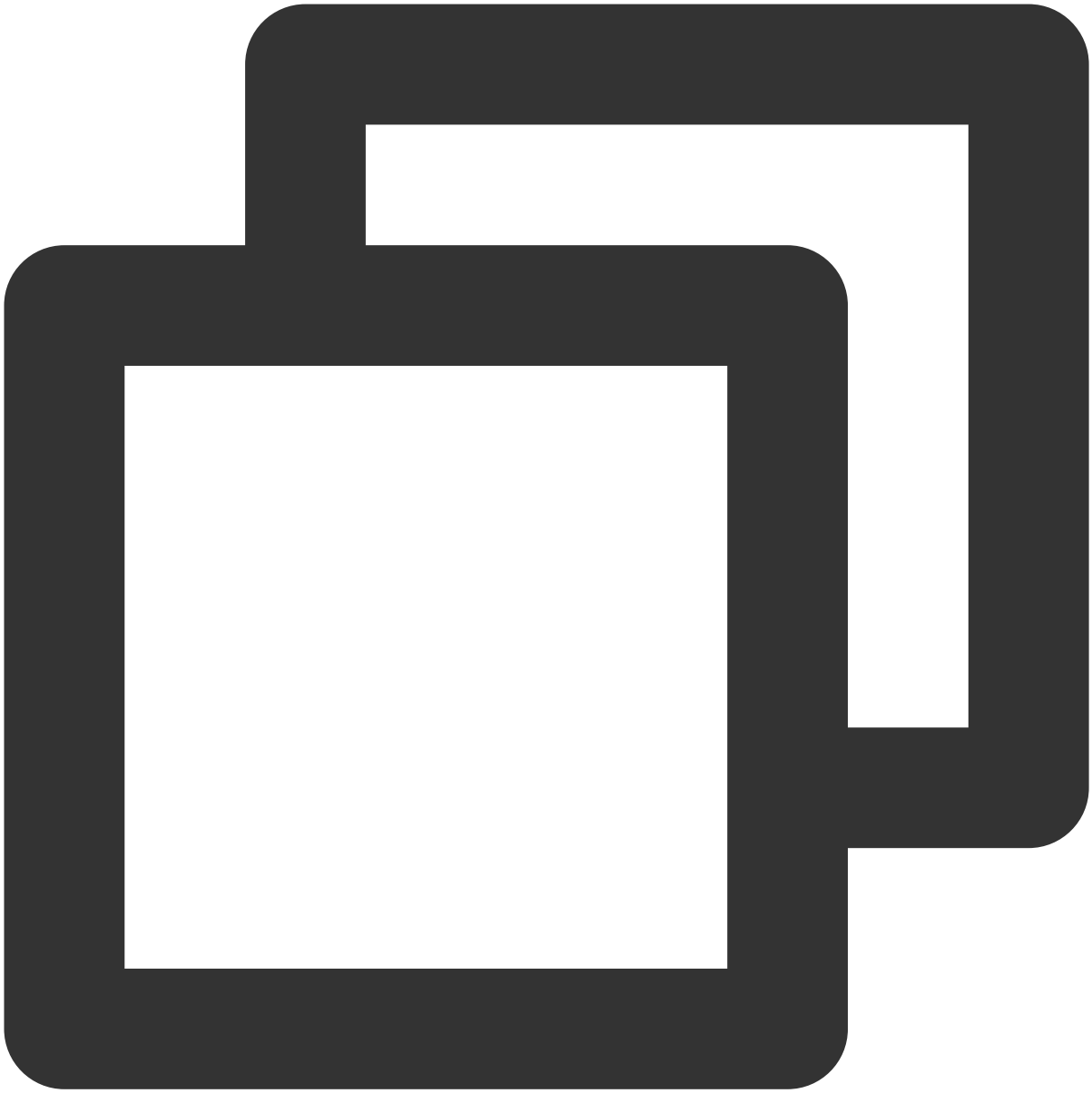

```
https://xxxxxx/v4/openim/admin_msgwithdraw?sdkappid=88888888&identifier=admin&users
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/admin_msgwithdraw	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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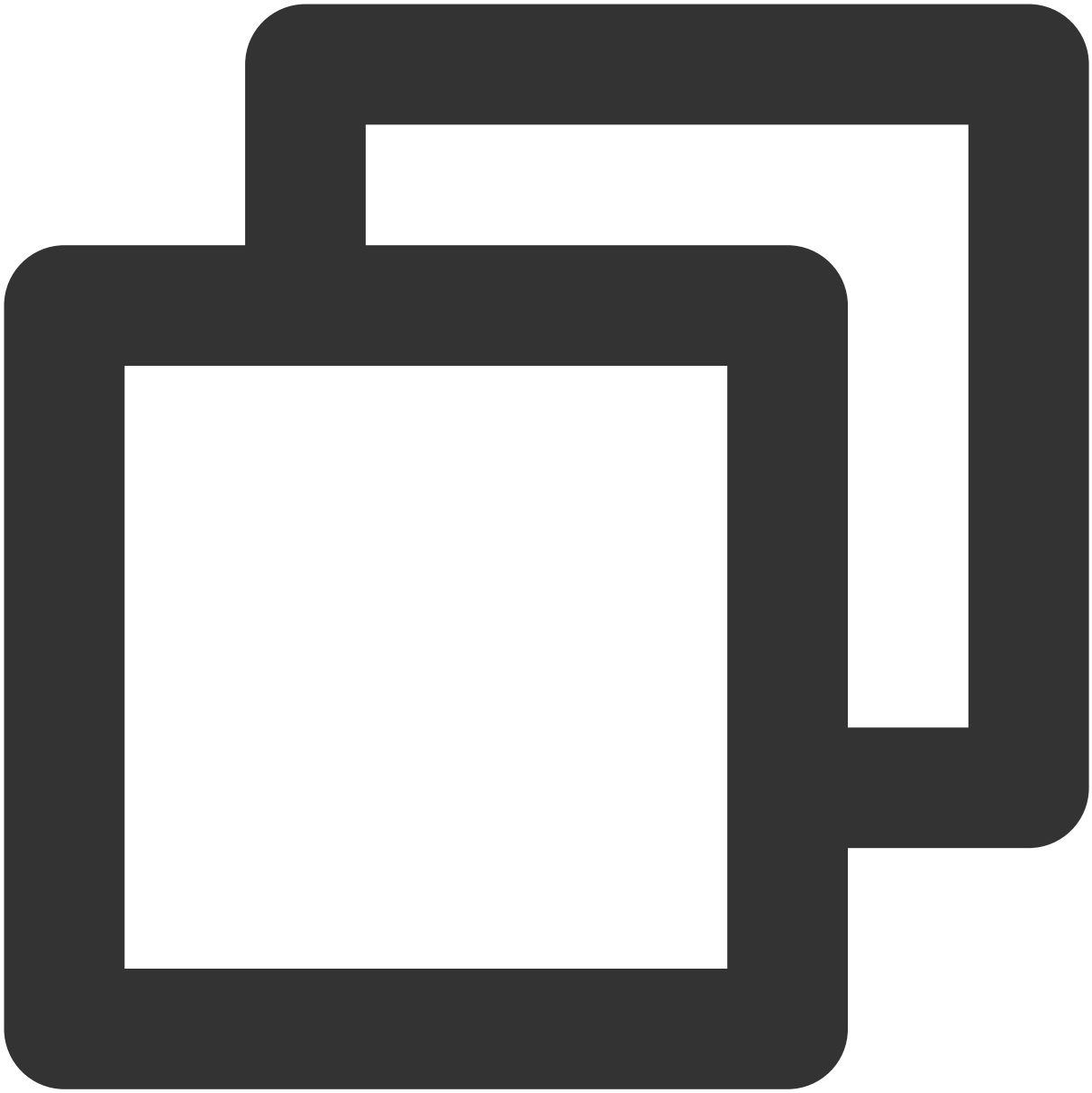

```
{
    "From_Account": "vinson",
    "To_Account": "dramon",
    "MsgKey": "31906_833502_1572869830"
}
```

Request fields

Field	Type	Required	Description

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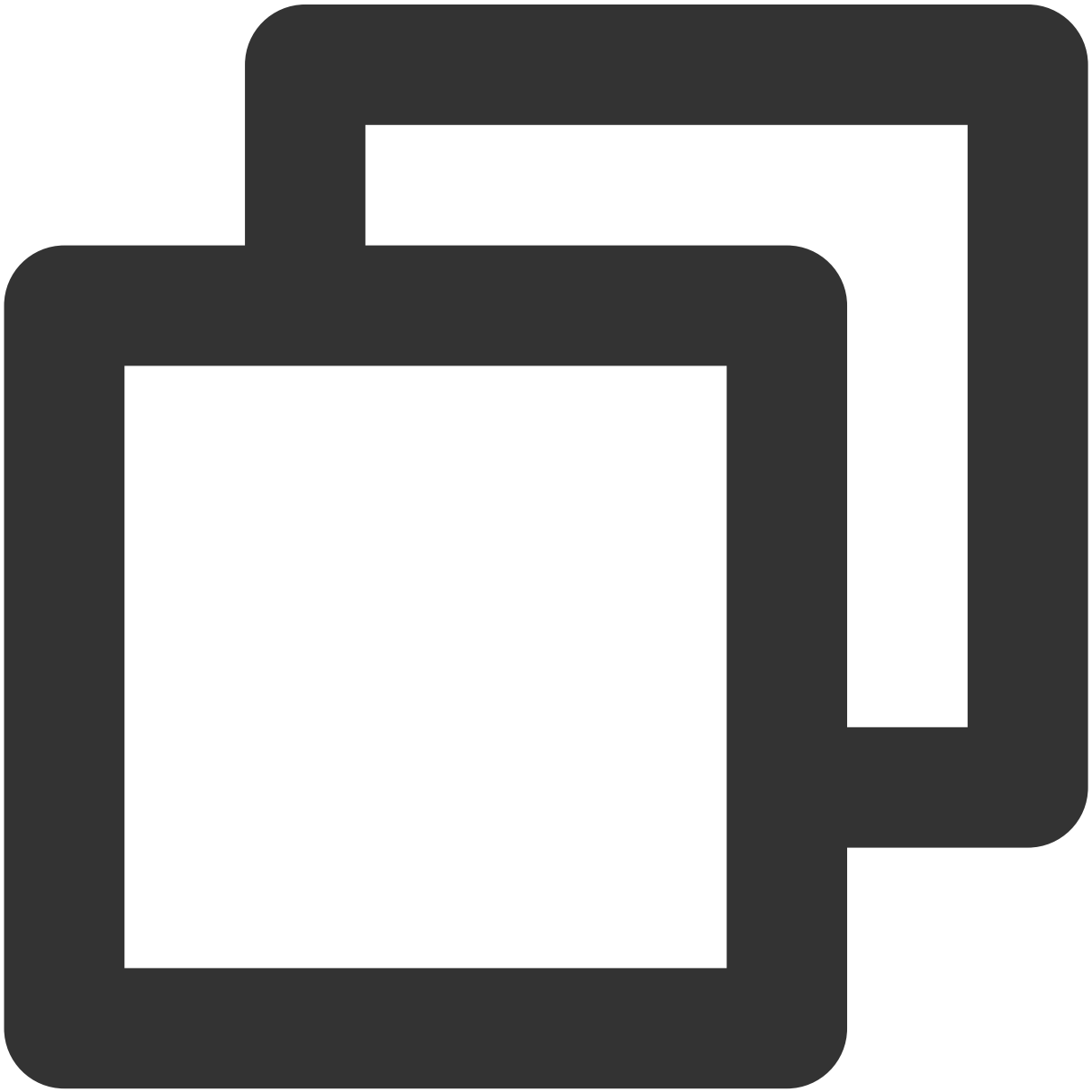
From_Account	String	Yes	The UserID of the message sender.
To_Account	String	Yes	`UserID` of the recipient
MsgKey	String	Yes	The unique identifier of the message to be recalled, which can be found in the responses to the v4/openim/sendmsg and v4/openim/batchsendmsg API calls.

Sample response

Response to a successful request



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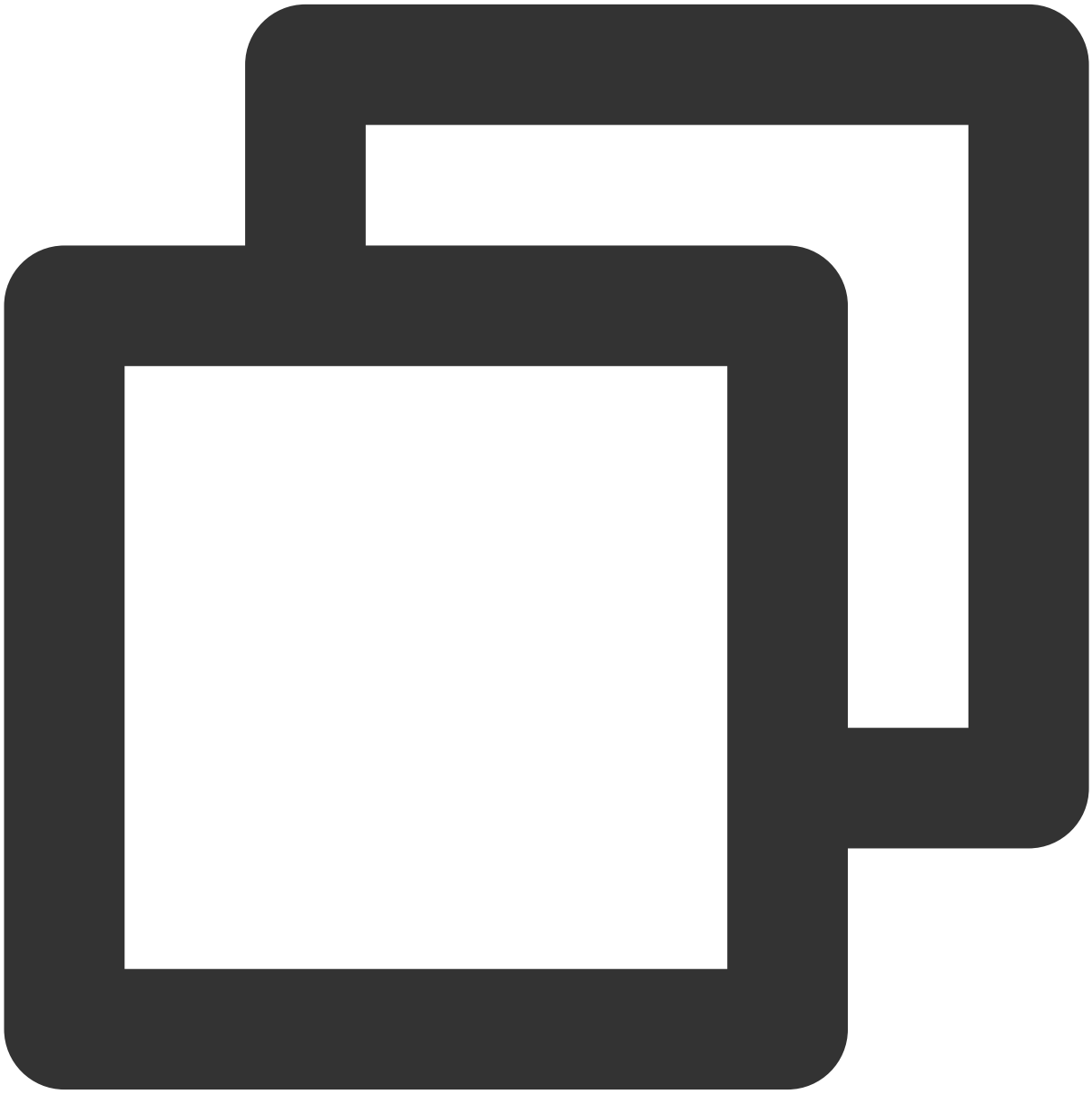
```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0
}
```

Response to a failed request



```
{
  "ActionStatus": "FAIL",
  "ErrorInfo": "Fail to Parse json data of body, Please check it",
```

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```
  "ErrorCode": 90001
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
20022	The message to recall does not exist. Please check.
20023	The message has been recalled.
90001	Failed to parse the JSON request. Make sure the format is valid.
90003	The `To_Account` field is missing in the JSON request packet or the account it specifies does not exist.
90008	The `From_Account` field is missing in the JSON request packet or the account it specifies does not exist.
90009	The request requires app admin permissions.
90054	Invalid `MsgKey` .
91000	Internal service error. Try again.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

Reference

Sending One-to-One Messages to One User (v4/openim/sendmsg)

Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)

Querying One-to-One Messages (v4/openim/admin_getroammsg)

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Recalling Group Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API enables admins to recall group messages.
This API enables the recall of all group messages valid for roaming, including group messages sent from a client and those sent with a RESTful API.
To recall group messages sent from a client, enable After a Group Message Is Sent first, which records the `GroupId` and `MsgSeq` of each group message, and then enter the `GroupId` and `MsgSeqList` obtained from the webhook in this API to recall the message. Alternatively, get information of group messages to be recalled with Pulling Historical Messages, and then recall the message with this API.
To recall group messages sent with the RESTful API Sending Ordinary Messages in a Group, get `MsgSeq` contained in the response packets of these APIs and then recall the messages.
Once a message is recalled by this API, it is recalled from the local caches of the sender's and recipients' clients.
This API can recall group messages sent for any period of time, but the group messages must be valid for roaming.

API Calling Description

Applicable group types

Group type ID	Group Message Recall
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes. Supported from Native SDK 7.4.4634 and Web SDK 3.1.2.
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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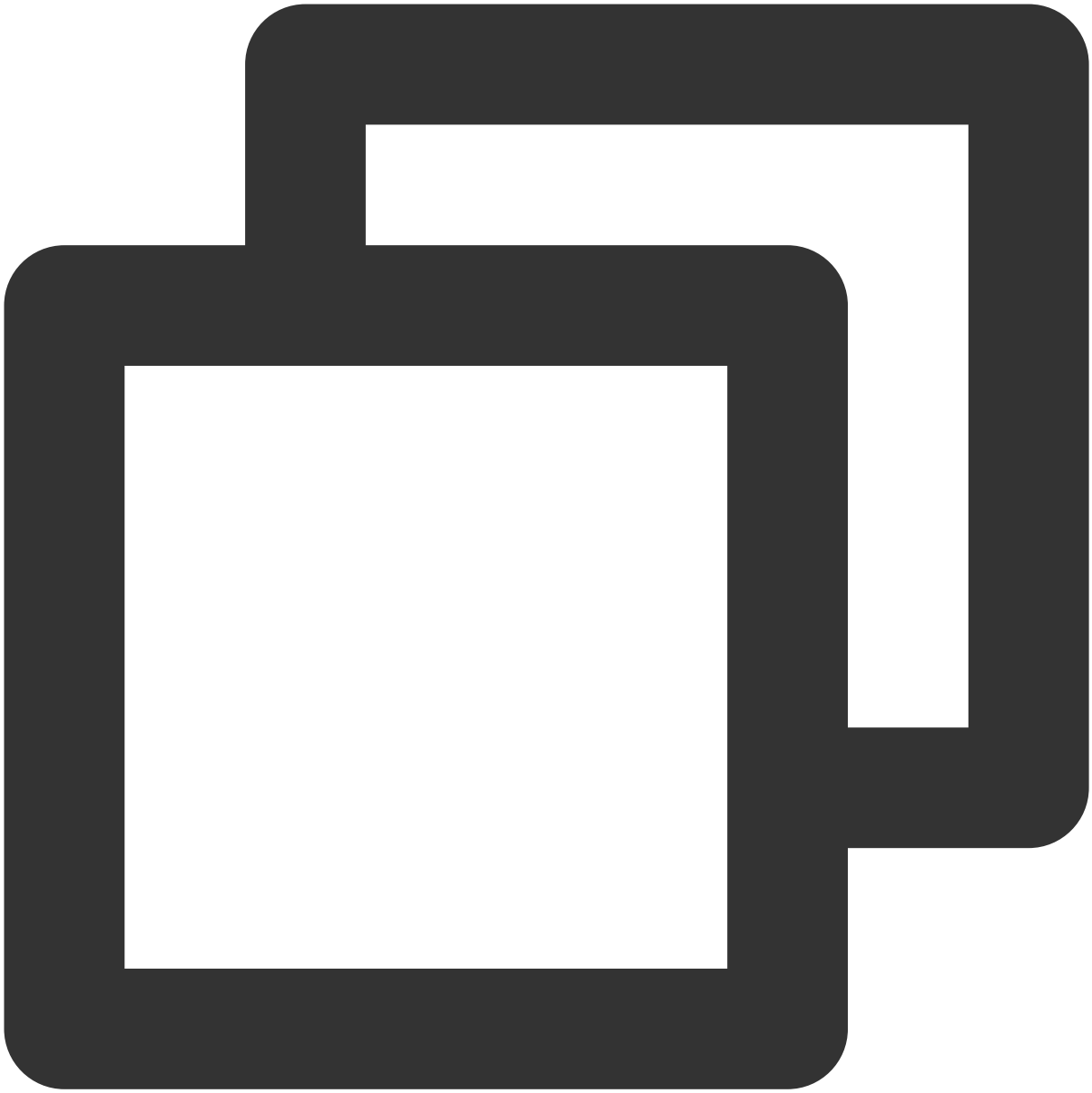

```
https://xxxxxx/v4/group_open_http_svc/group_msg_recall?sdkappid=88888888&identifier
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/group_msg_recall	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

The message recall operation is irrevocable. Please call this API with caution.

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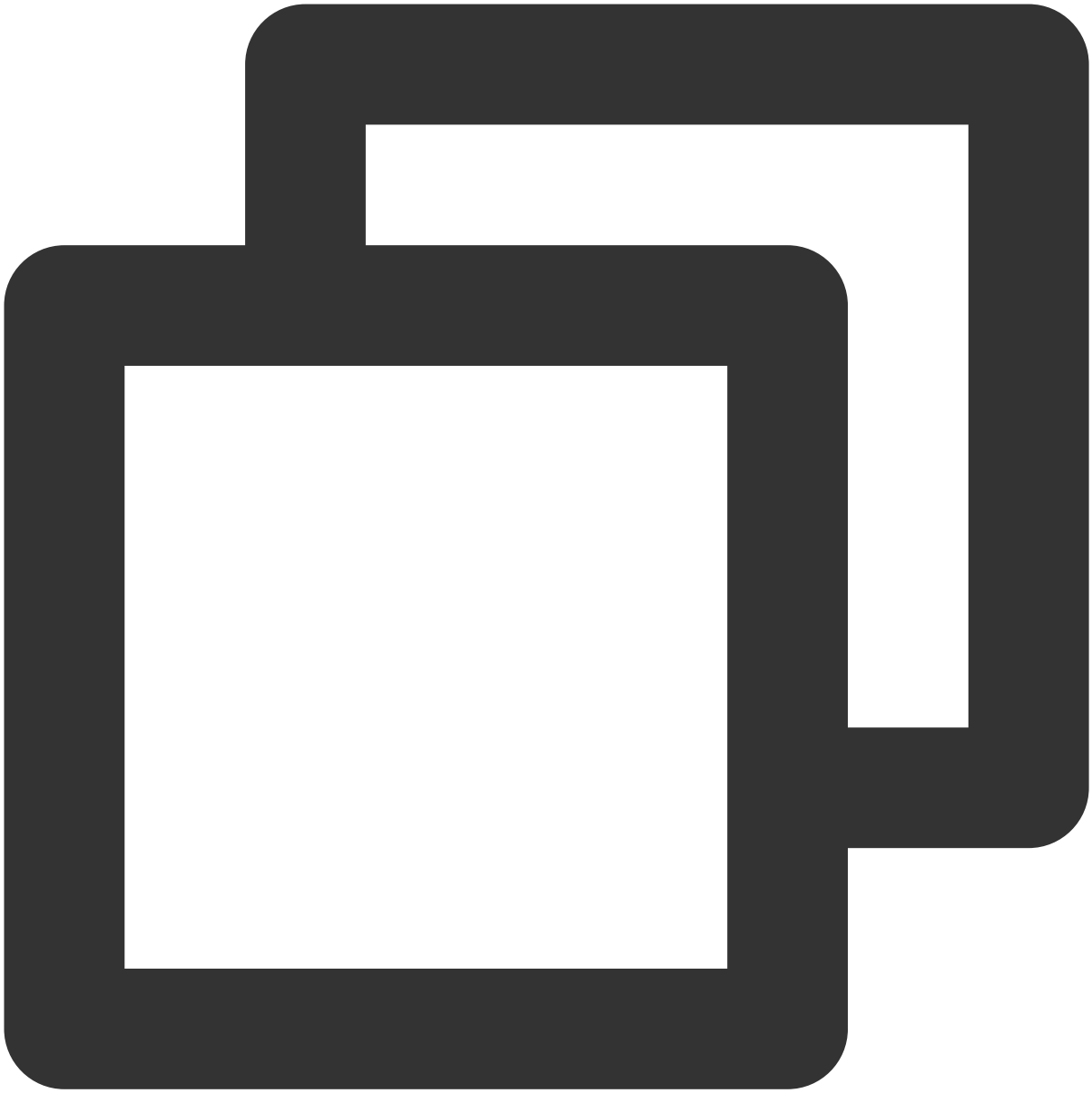

```
{
    "GroupId": "@TGS#2J4SZEAEL",
    "MsgSeqList":[
        {
            "MsgSeq":100
        },
        {
            "MsgSeq":101
        }
    ]
}
```

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Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the Group whose historical messages will be modified
MsgSeqList	Array	Yes	The sequence list of messages to be recalled. Up to 10 message sequences can be contained in a request.
MsgSeq	Integer	Yes	The sequence of the message to be recalled.
TopicId	String	No	Topic ID, which indicates message recall in the corresponding topic and applies only to topic-enabled communities.

Sample response

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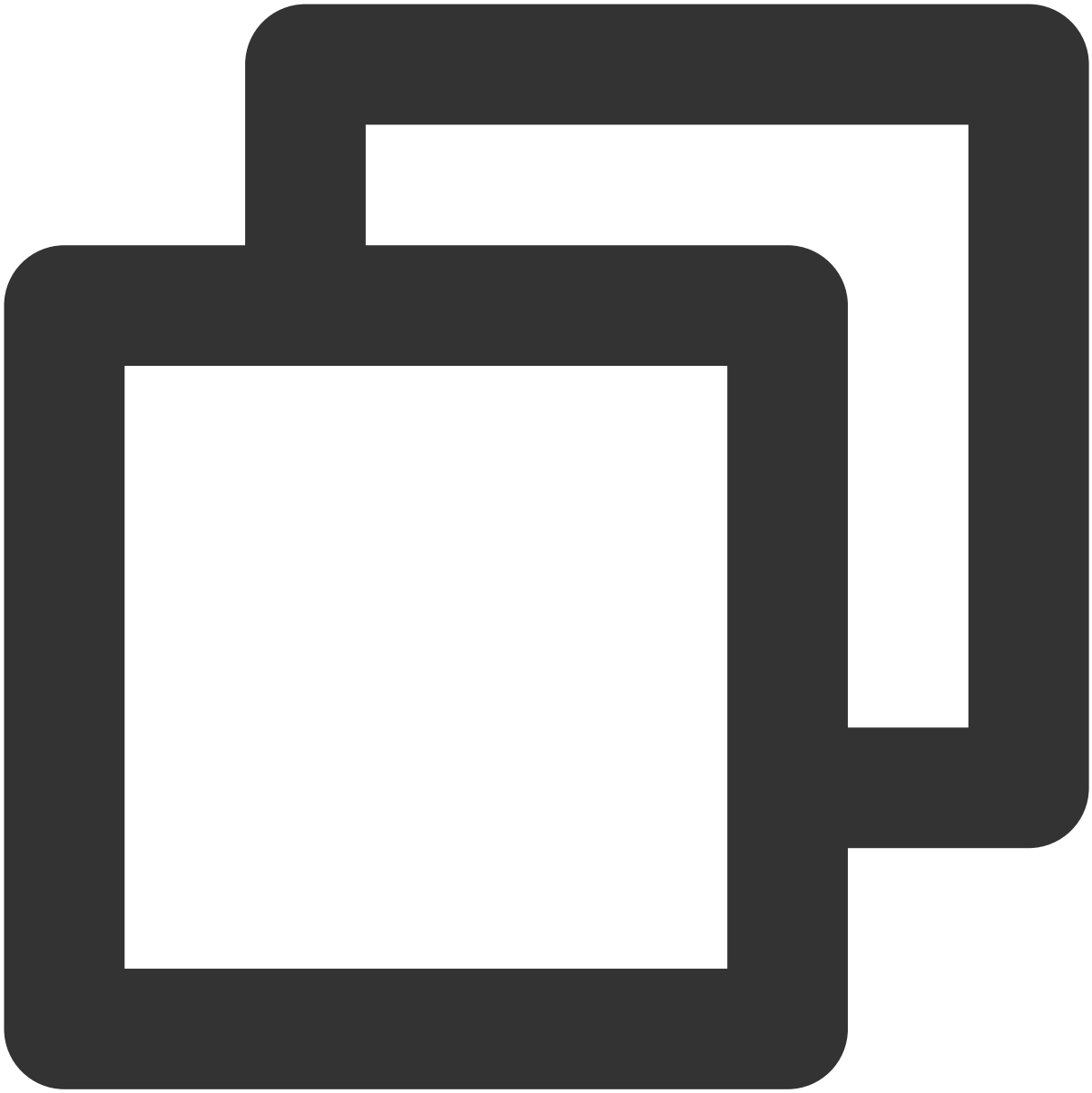


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "RecallRetList":[
        {
            "MsgSeq":100,
            "RetCode":10030
        },
        {
            "MsgSeq":101,
```


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```
            "RetCode":0
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
RecallRetList	Array	Result details of the message recall request.
MsgSeq	Integer	The sequence of an individual recalled message.
RetCode	Integer	The recall result of an individual message. `0` for success and others for failures. See the error codes below for more details.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. The operator must have permissions to perform corresponding operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

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10030	The message requested does not exist.
10031	The message requested is beyond the allowed time range.
10032	The message requested cannot be recalled.
10033	This type of group does not support message recalls.
10041	The app (SDKAppID) is configured not to support group message recalls.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending System Messages in a Group (v4/group_open_http_svc/send_group_system_notification)

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Recalling Official Account Messages

Last updated：2024-07-16 10:41:26

Feature Overview

Administrator revokes official account message.
This interface can revoke all official account messages within the valid roaming period, including official account messages sent by the client and those issued by the REST API interface.
If you need to recall official account messages sent by the client, you can enable Callback after sending a message to the official account, record the MsgKey of each official account message via this callback interface, and then fill in the MsgKeyList parameter of this interface for revocation. You can also use Pulling historical messages of official account users to query the relevant information of the official account messages to be revoked, and then use this interface for revocation.
If you need to revoke official account messages sent via the REST API Official Account Users Send Broadcast Messages interface, it's necessary to record the MsgKey field in the response packages of these interfaces for revocation.
After invoking this interface to recall a message, the local cache of the recipient's client will also be recalled.
This interface can recall official account messages without any time limit, meaning it can recall official account messages from any time, but the roaming time of the official account messages needs to be within the validity period.

API Calling Description

Sample request URL

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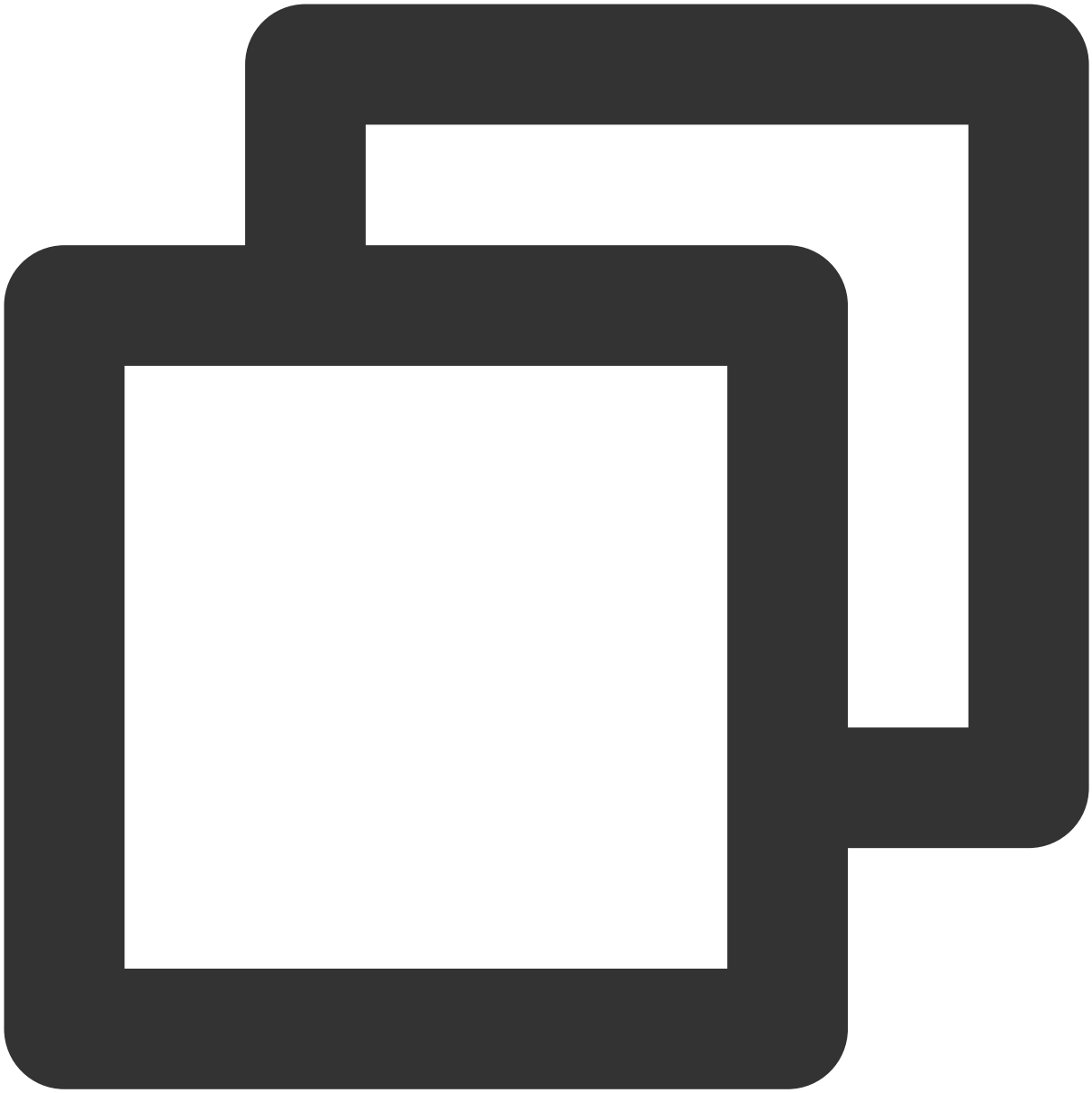

```
https://xxxxxx/v4/official_account_open_http_svc/official_account_msg_recall?sdkapp
```

Request parameters

The table below only lists the parameters modified when calling this API and their descriptions. For more details on the parameters, please refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/official_account_msg_recall	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an App admin account. For more details, see App Admins
usersig	The Signature generated by the App admin account. For details, see Generating UserSig
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum calling frequency

200 queries/sec.

Sample request packets

Once a message is recalled, it cannot be restored. Please be cautious when invoking this interface.

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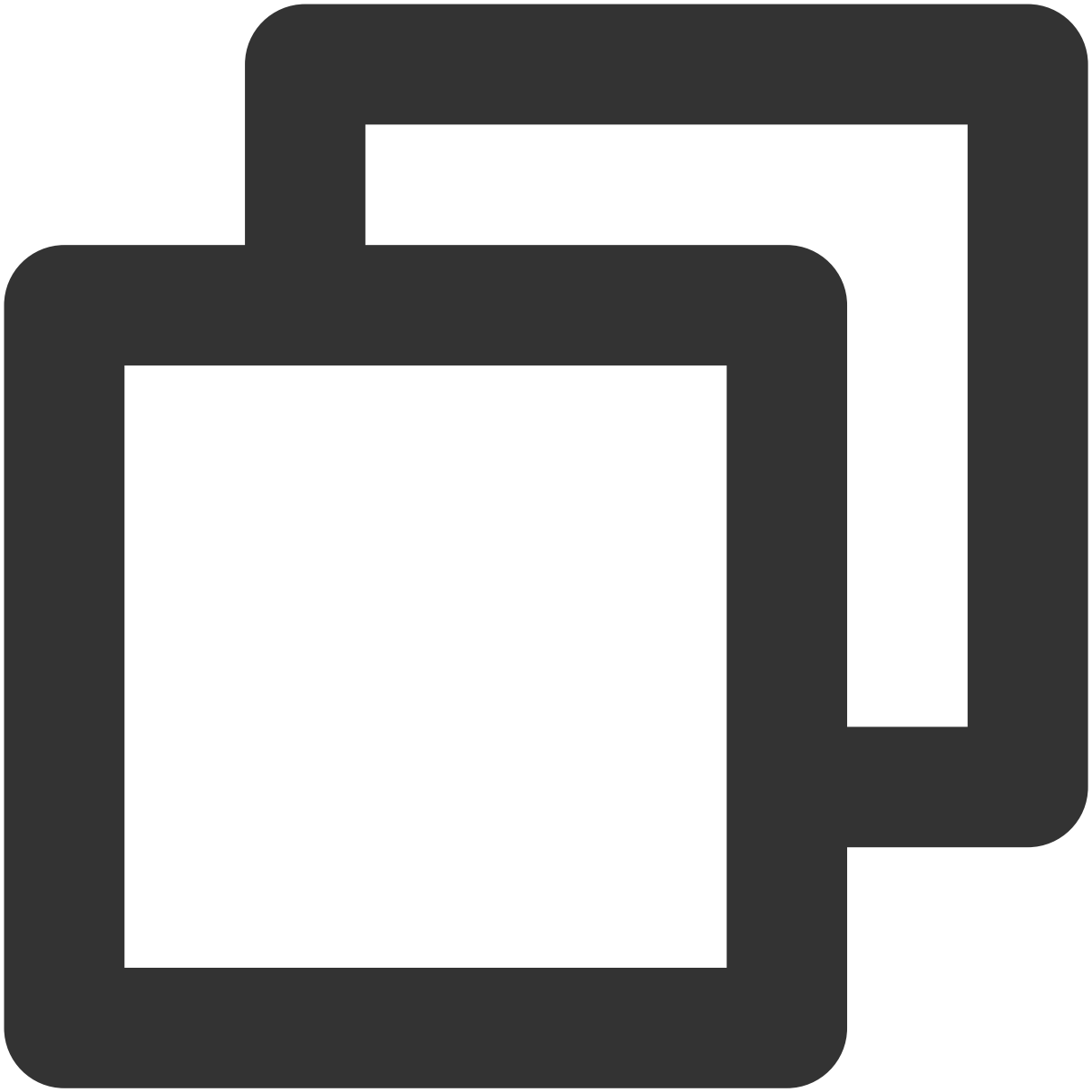

```
{
    "Official_Account": "@TOA#_2J4SZEAEL",
    "MsgKeyList":[
        "71_1_1698741698",
        "72_1_1698741698"
    ],
    "Reason":"Revocation Reason"
}
```

Request packet fields

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Field	Type	Attribute	Description
Official_Account	String	Mandatory	Operated Official Account User ID
MsgKeyList	Array	Mandatory	List of MsgKeys for messages being recalled, a single request can recall up to 10 messages
Reason	String	Optional	Reason for message recall, length restricted to a maximum of 100 bytes

Sample response packets

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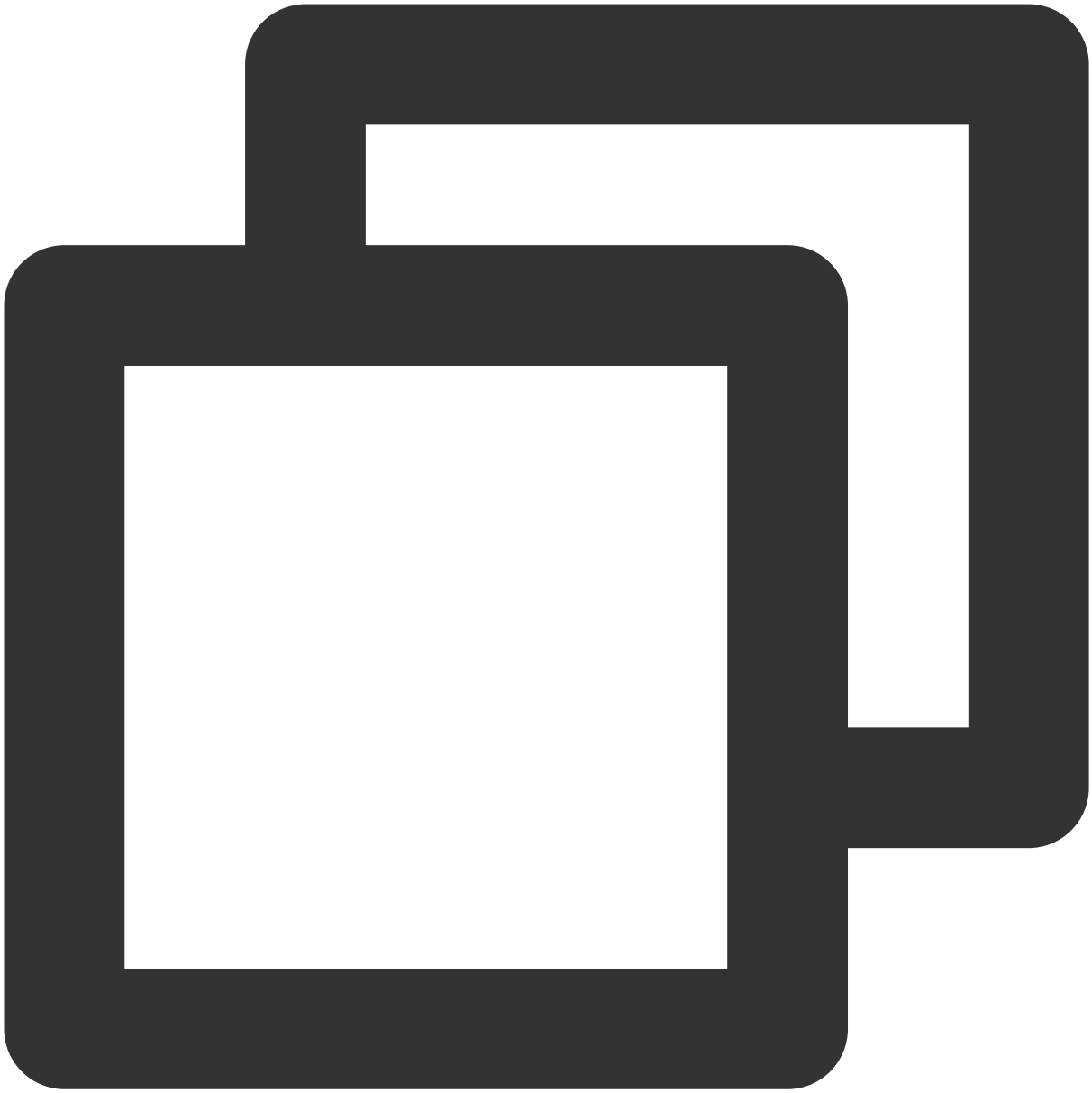


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "RecallRetList":[
        {
            "MsgKey":"71_1_1698741698",
            "RetCode":10030
        },
        {
            "MsgKey":"72_1_1698741699",
```


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```
            "RetCode":0
        }
    ]
}
```

Response packet field description

Field	Type	Description
ActionStatus	String	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Error Identifier: 0: Indicates success Non-zero: Indicates failure
ErrorInfo	String	Error message
RecallRetList	Array	Detailed results of the message recall request
MsgKey	String	MsgKey of a single message being recalled
RetCode	Integer	Recall result of a single message: 0 means success; other values mean failure, refer to the error code explanations below

Error codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this interface is always 200. The real error code and error message are indicated by ErrorCode, ErrorInfo in the response body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error code	Description
10002	Internal server error, please try again
10003	Illegal Request Command Word
10004	Invalid parameter, please check if the request is correct based on the error description
10007	Insufficient operational permissions
10010	Official Account User does not exist, or may have existed in the past, but is now

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	dissolved
10015	Invalid Official Account User ID, please check if the Official Account User ID is correctly filled in
10030	The message requested for recall does not exist
10031	The message requested for recall exceeds the time limit
10032	The message requested for recall does not support recall operations

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

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Read Receipt

Marking One-to-One Messages as Read

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to mark the messages of a one-to-one conversation as read.

API Calling Description

Sample request URL

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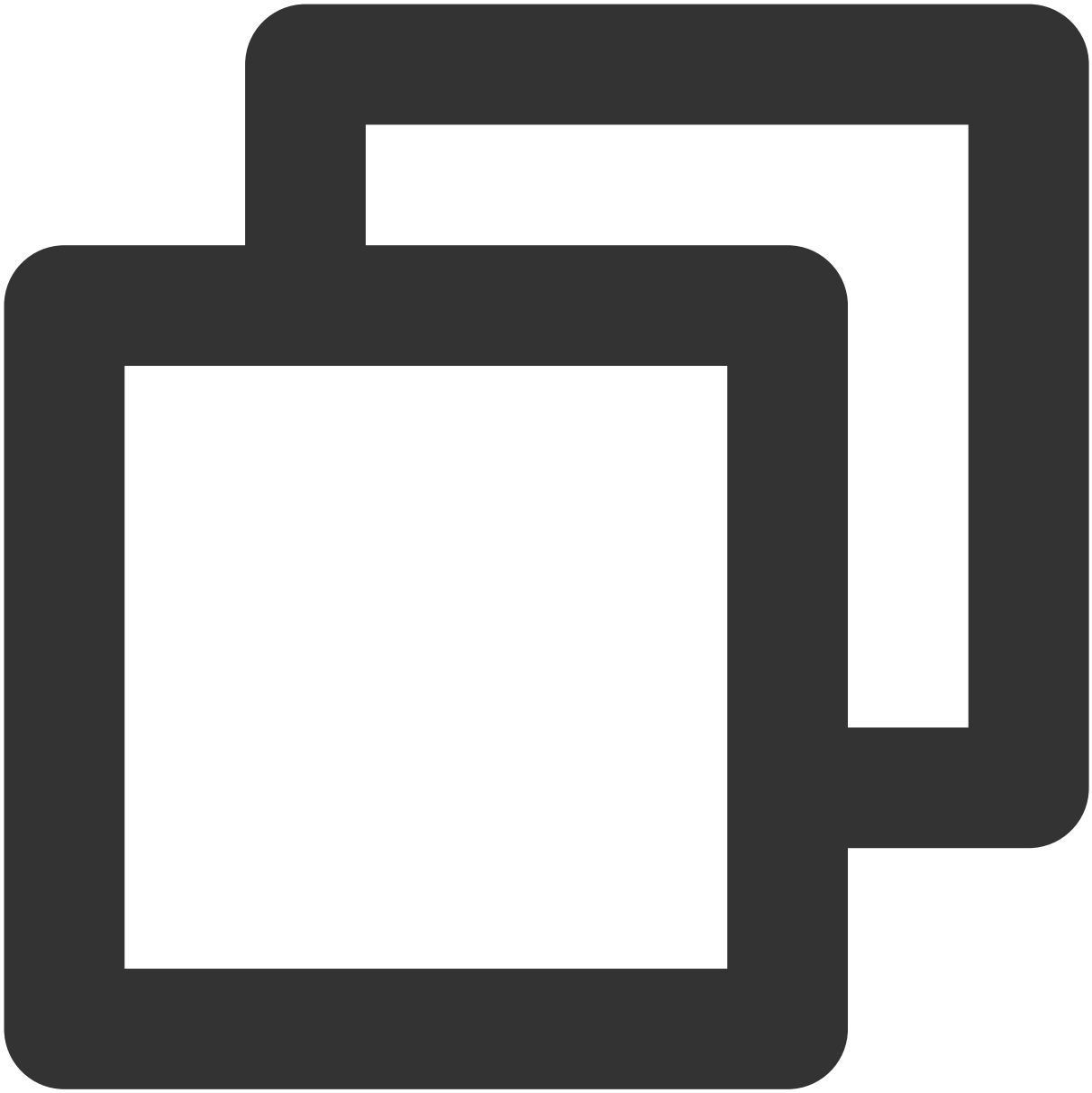

```
https://xxxxxx/v4/openim/admin_set_msg_read?sdkappid=88888888&identifier=admin&user
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/admin_set_msg_read	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

The admin specifies that dramon1 marks all the messages of its one-to-one conversation with dramon2 as read.

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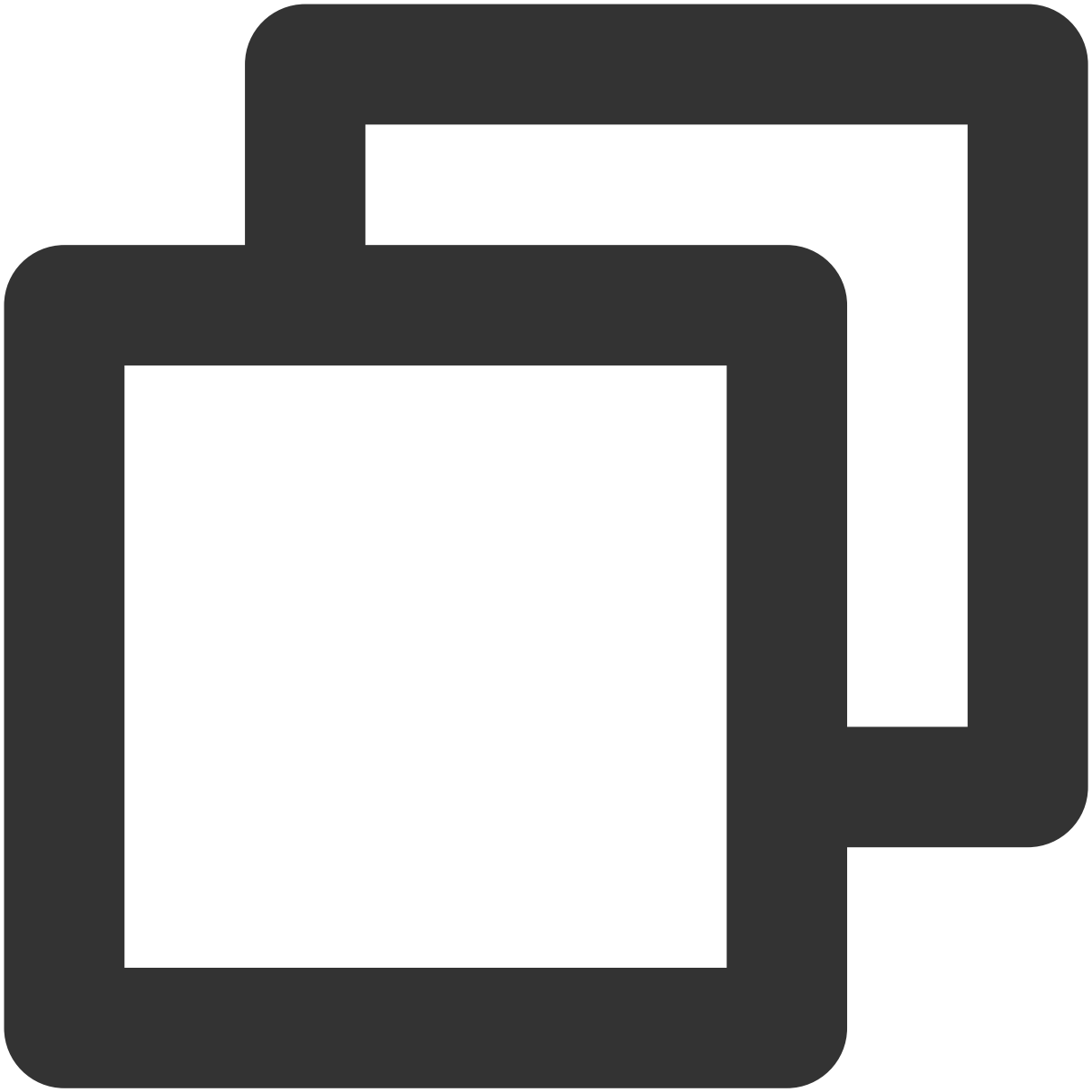

```
{
    "Report_Account":"dramon1",
    "Peer_Account":"dramon2"
}
```

Request fields

Field	Type	Required	Description
Report_Account	String	Yes	`UserId` of the account for which to mark messages as read

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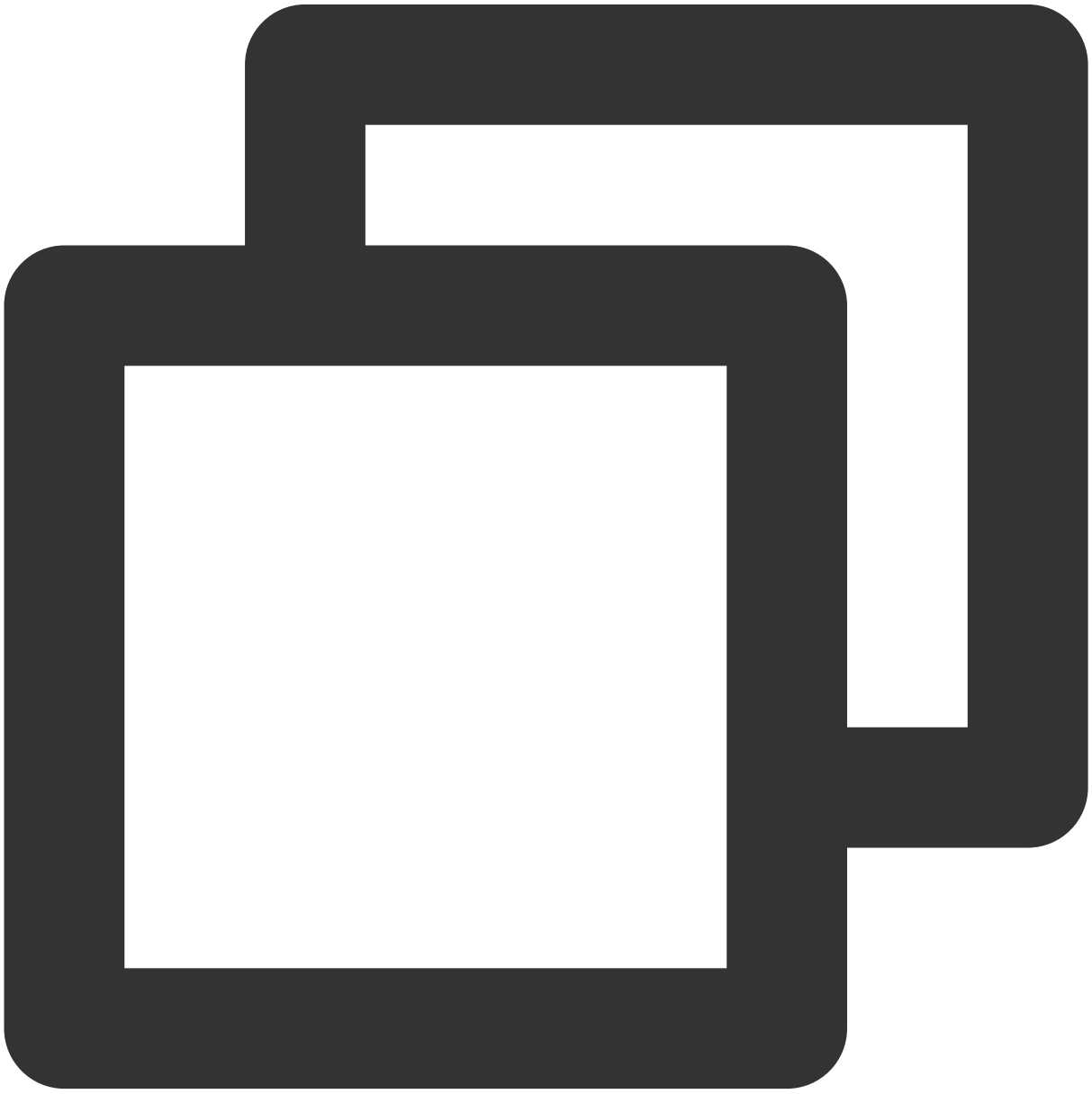
Peer_Account	String	Yes	`UserId` of the other account in the one-to-one conversation
MsgReadTime	String	No	Timestamp (in seconds). All messages before the specified timestamp are marked as read. If no value is specified, the current timestamp is used.

Sample response



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON request. Make sure the format is valid.
90003	The `To_Account` field is missing in the JSON request, or the account specified by `To_Account` does not exist.
90008	The `From_Account` field is missing in the JSON request, or the account specified by `From_Account` does not exist.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Sending One-to-One Messages to One User (v4/openim/sendmsg)

Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)

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Querying One-to-One Messages (v4/openim/admin_getroammsg)

Recalling One-to-One Messages (v4/openim/admin_msgwithdraw)

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Pulling Group Message Read Receipt Details

Last updated：2024-07-16 10:41:26

Feature Overview

An app admin can call this API to pull the list of members who have or have not read a group message.

Caution

This feature is available only in the Premium edition. To use it, you need to purchase the Premium edition, go to the **console**, choose **Feature Configuration** > **Group configuration** > **Group Message Read Receipts**, and enable the feature.

API Calling Description

Applicable group types

Group Type ID	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	No

Above are the Chat built-in groups. For more information, please see Group System.

Sample request URL

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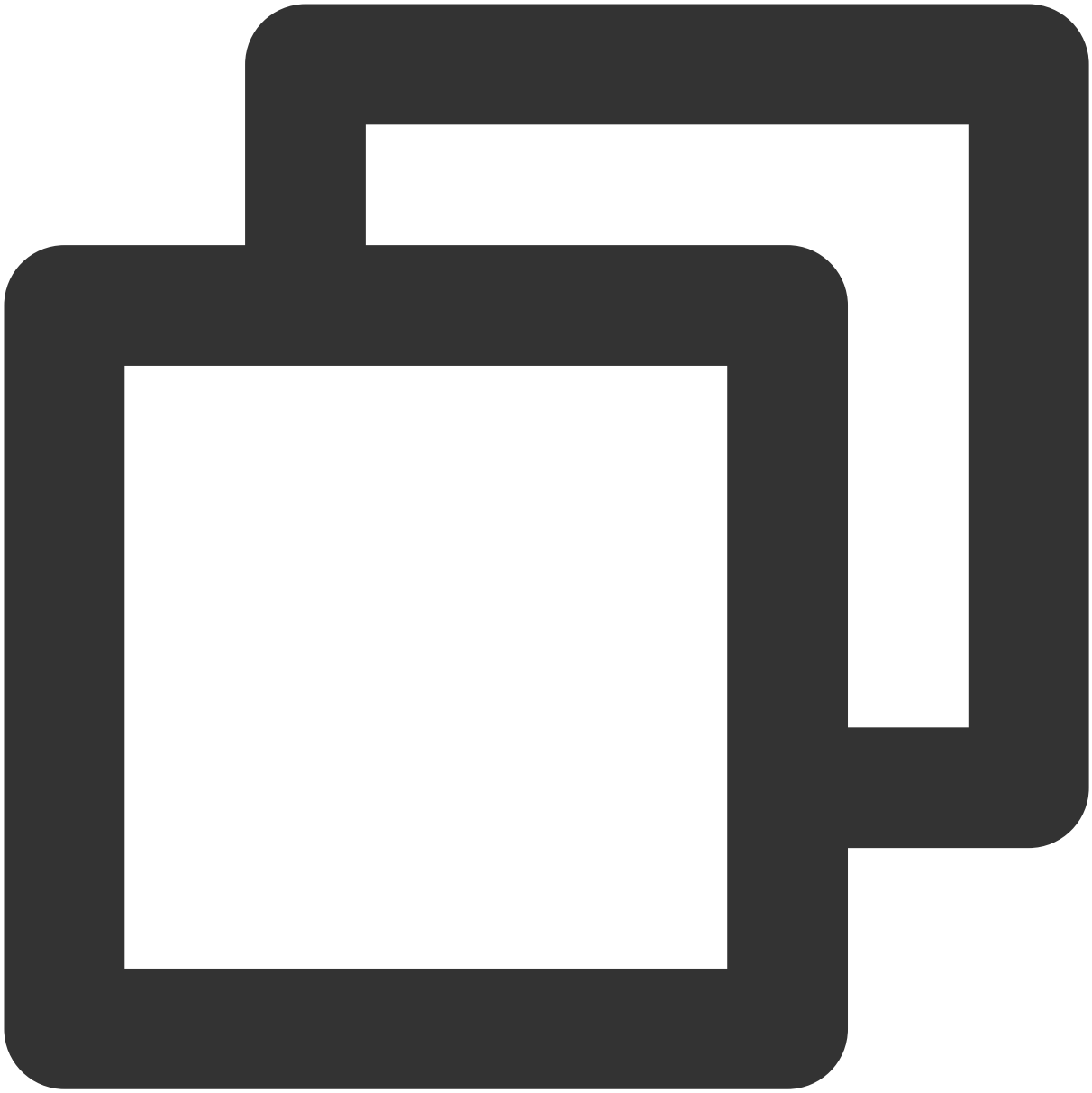

```
https://xxxxxx/v4/group_open_http_svc/get_group_msg_receipt_detail?sdkappid=8888888
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_group_msg_receipt_detail	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Pull the list of members who have or have not read a group message in batches:

Basic format

You can use the `Cursor` and `Count` fields to control the pulling-by-page mode:

`Count` : Specifies the maximum number of members in the `ReadList` or `UnreadList` array in the response. Maximum value: 200

`Cursor` : Specifies a member position from which subsequent information is to be pulled. For the first request, the client request parameter `Cursor` must pass in "". For the last request, the server returns `1` for the `IsFinish` parameter, indicating that the information pulling ends.

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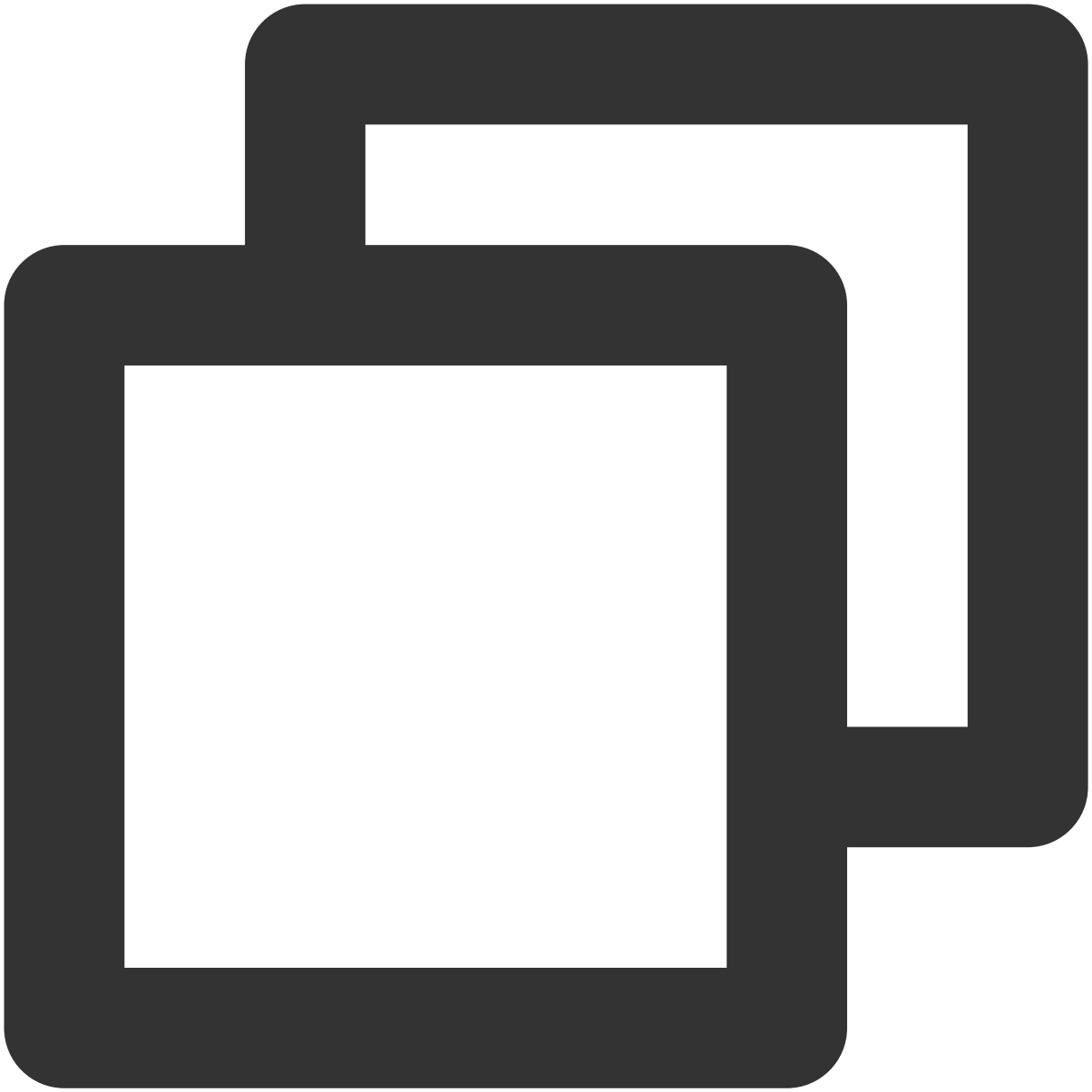

```
{
 "GroupId":"@TGS#2TTV7VSII",
 "MsgSeq": 1,
 "Filter": 1,        // `0`: Pull the list of members who have read the message; `1
 "Cursor":"",      // Position of the last member pulled. Enter "" for the first re
 "Count":5           // Maximum number of members to pull
}
```

Request fields

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Field	Type	Required	Description
GroupId	String	Yes	ID of the group of which message read receipts are to be pulled
MsgSeq	Integer	No	Seq of the message to pull
Filter	Integer	Yes	Whether to pull the list of members who have or have not read a group message. `0` : Pull the list of members who have read a group message; `1` : Pull the list of members who have not read a group message
Cursor	String	Yes	Position of the last member pulled. Enter "" for the first request.
Count	Integer	Yes	Maximum number of members that can be pulled each time. The maximum value is 200.

Sample response

Pull the list of members who have read a group message

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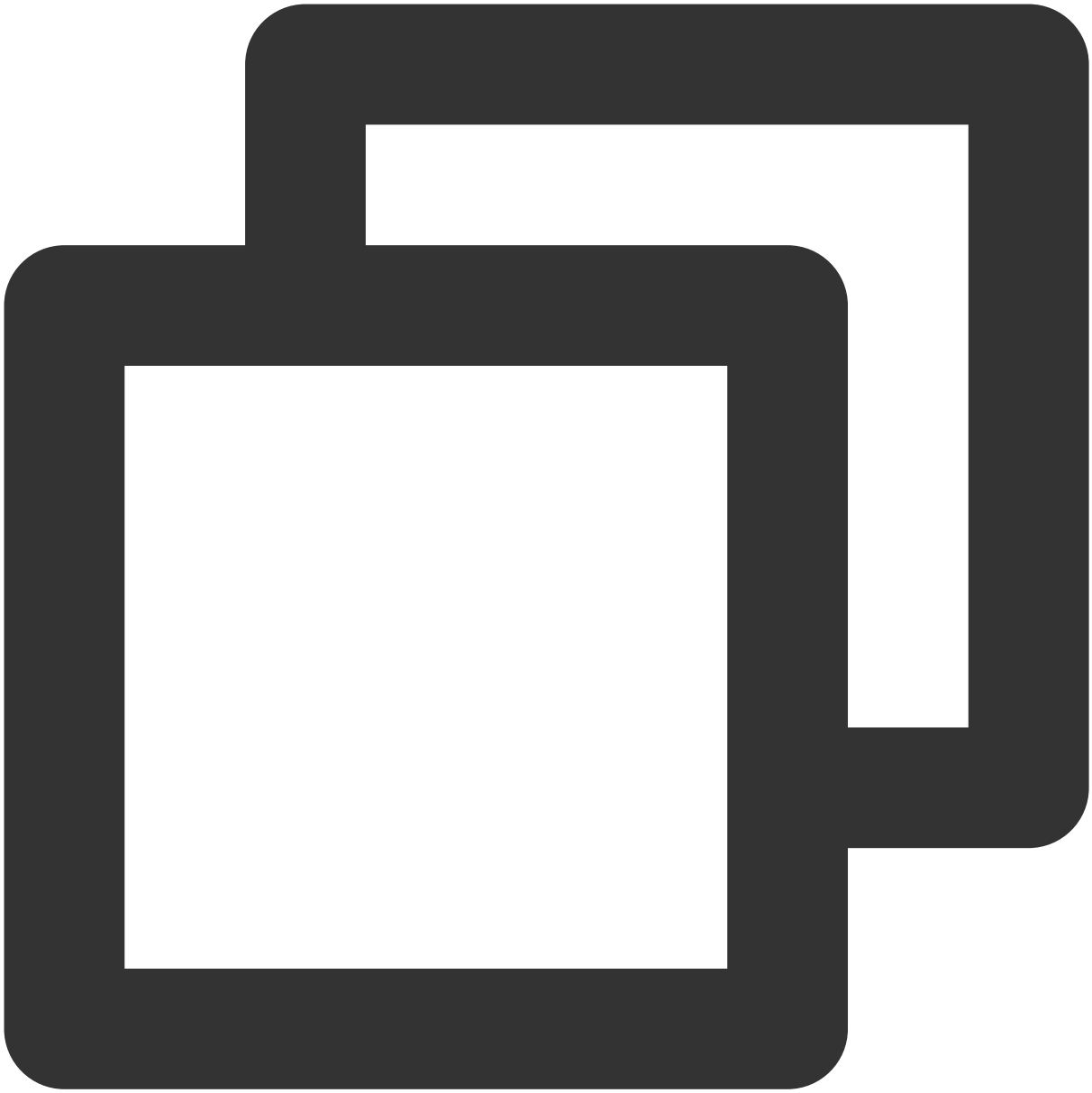

```
{
    "ActionStatus": "OK",
    "Cursor": "0",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "IsFinish": 1,     // The list is fully pulled. No further pull is required.
    "MsgSeq": 1,
    "ReadList": [    // List of members who have read the message
        {
            "Read_Account": "test1"
        }
```

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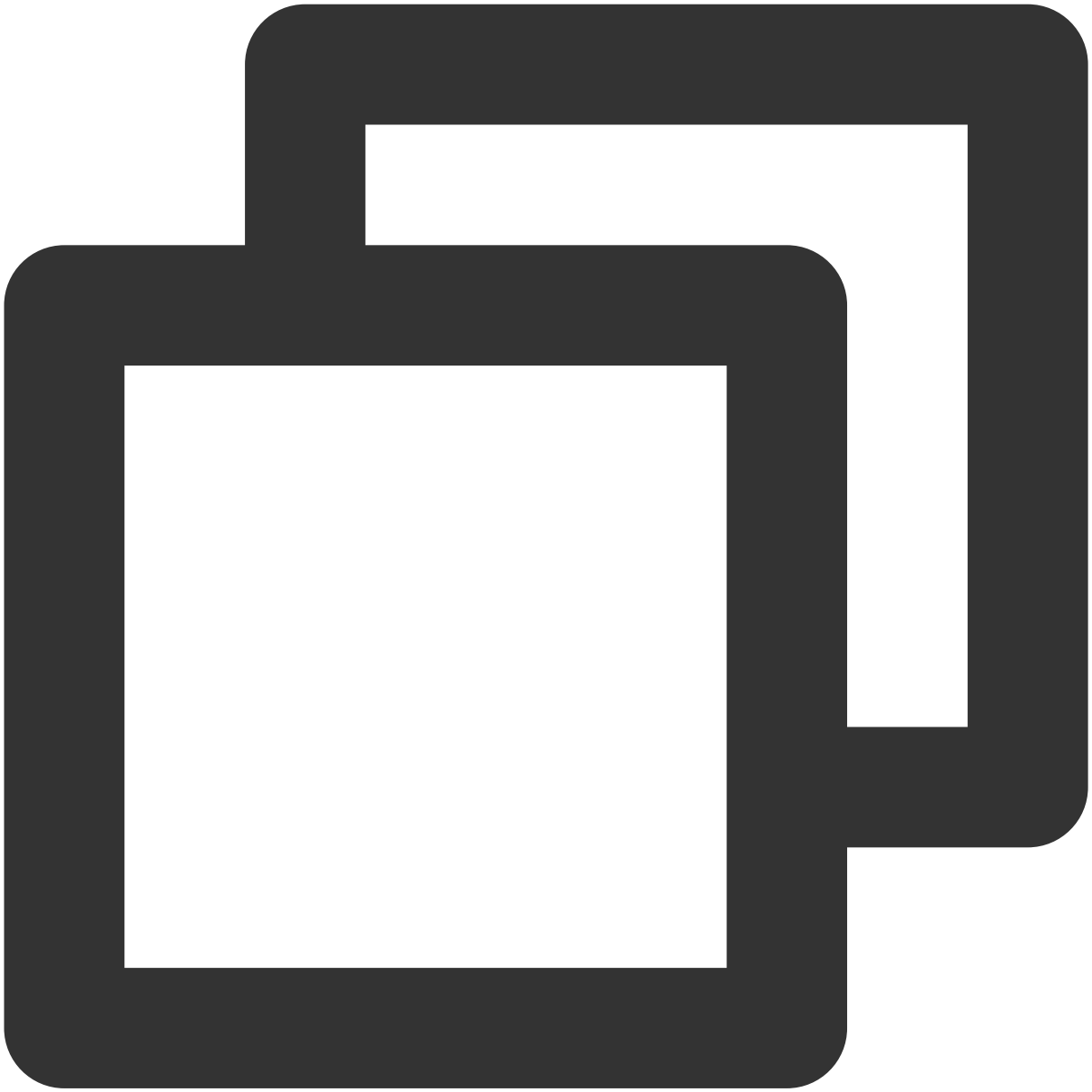
```
    ]
}
```

Pull the list of members who have not read the message



```
{
  "ActionStatus": "OK",
  "Cursor": "144115213529088617", // `Cursor` value to be passed in for the next re
  "ErrorCode": 0,
  "ErrorInfo": "",
  "IsFinish": 0,   // The list is not fully pulled, and further pull is required.
  "MsgSeq": 1,
```

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```
    "UnreadList": [  // List of members who have not read the message
        {
            "Unread_Account": "test"
        },
        {
            "Unread_Account": "test6"
        },
        {
            "Unread_Account": "test3"
        },
        {
            "Unread_Account": "test5"
        },
        {
            "Unread_Account": "test4"
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
IsFinished	Integer	Whether the list is fully pulled. `0` : No; `1` : Yes
MsgSeq	Integer	Seq of the message to pull
ReadList	Array	List of messages who have read the message
Read_Account	String	Members who have read the message
UnreadList	Array	List of messages who have not read the message
Unread_Account	String	Members who have not read the message
Cursor	String	`Cursor` value to be passed in for the next request

Error Codes

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The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. The operator must have permissions to perform corresponding operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.
10062	The read receipt doesn't exist.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Pulling group message read receipt information

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Pulling Read Receipts for Group Messages

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to pull read receipts for group messages.

Note:

This feature is available only in the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Group configuration** > **Group Message Read Receipts**, and enable the feature.

API Calling Description

Applicable group types

Group Type ID	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	No

Above are the Chat built-in group types. For more information, please see Group System.

Sample request URL

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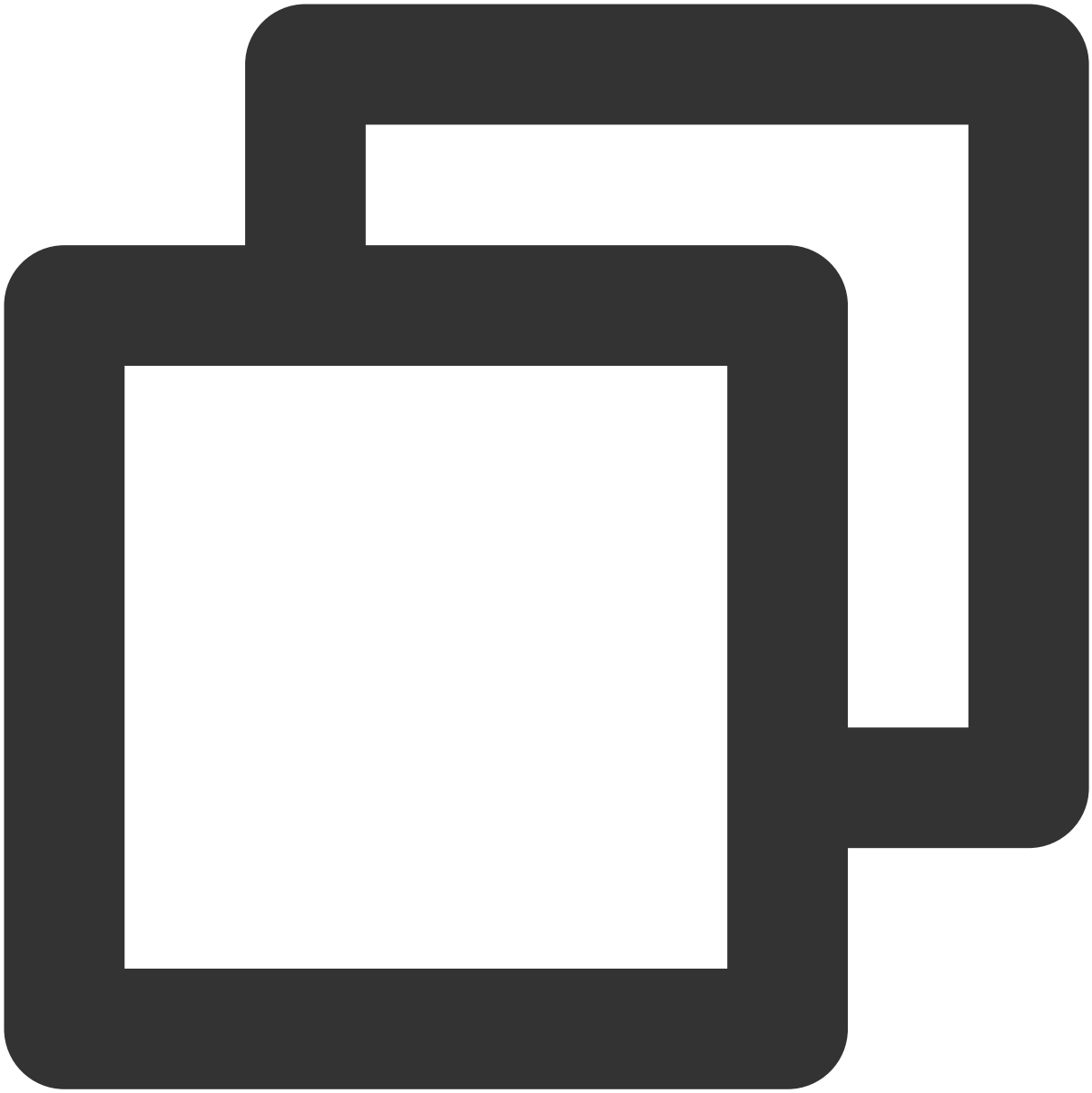

```
https://xxxxxx/v4/group_open_http_svc/get_group_msg_receipt?sdkappid=88888888&ident
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_group_msg_receipt	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Batch pull the read receipts for group messages, including the read count and unread count.

Basic format

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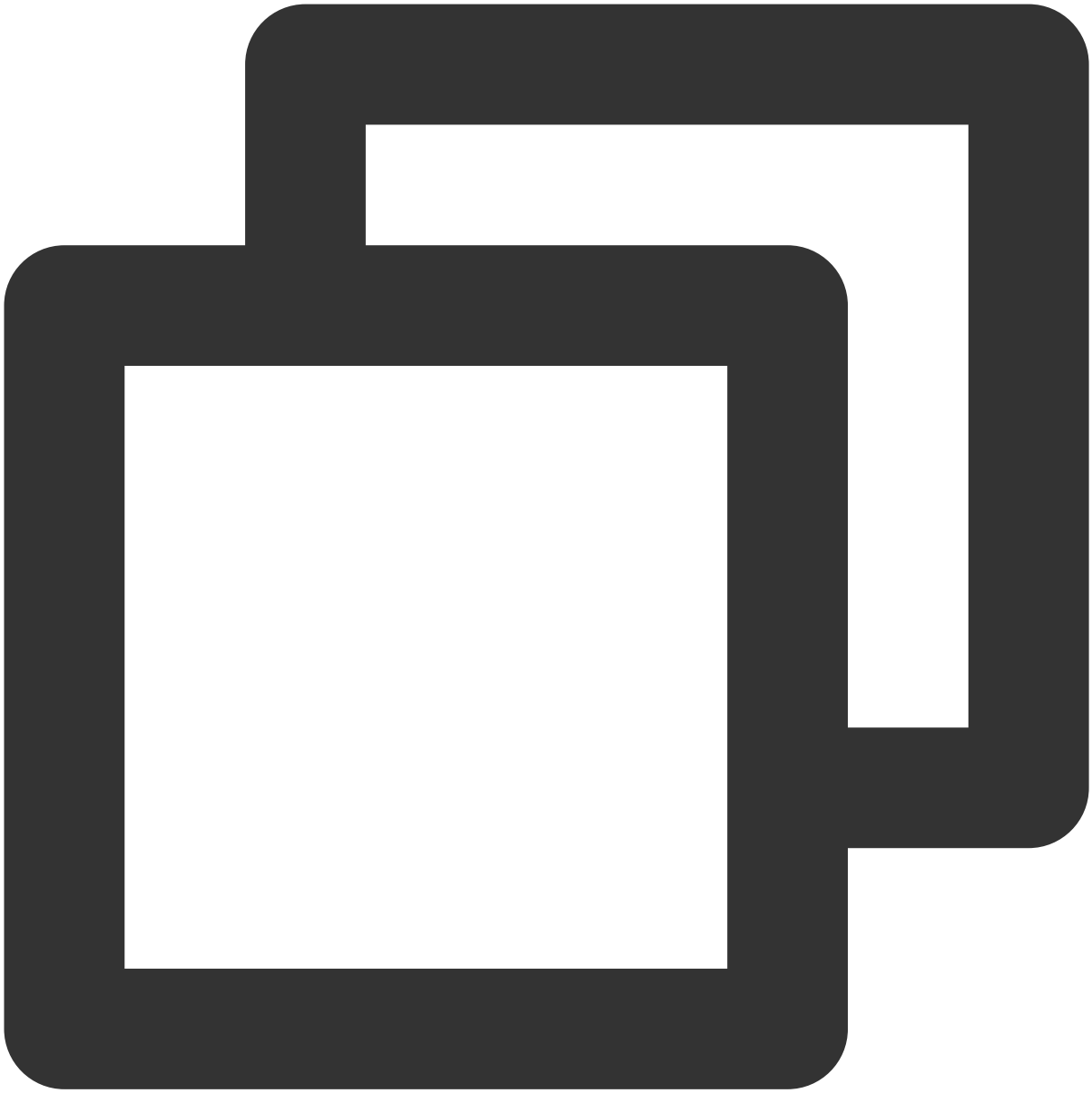

```
{
  "GroupId":"@TGS#2TTV7VSII",
  "MsgSeqList":[         // Pull the list of message `seq` values
      {"MsgSeq":1},
      {"MsgSeq":2}
  ]
}
```

Request fields

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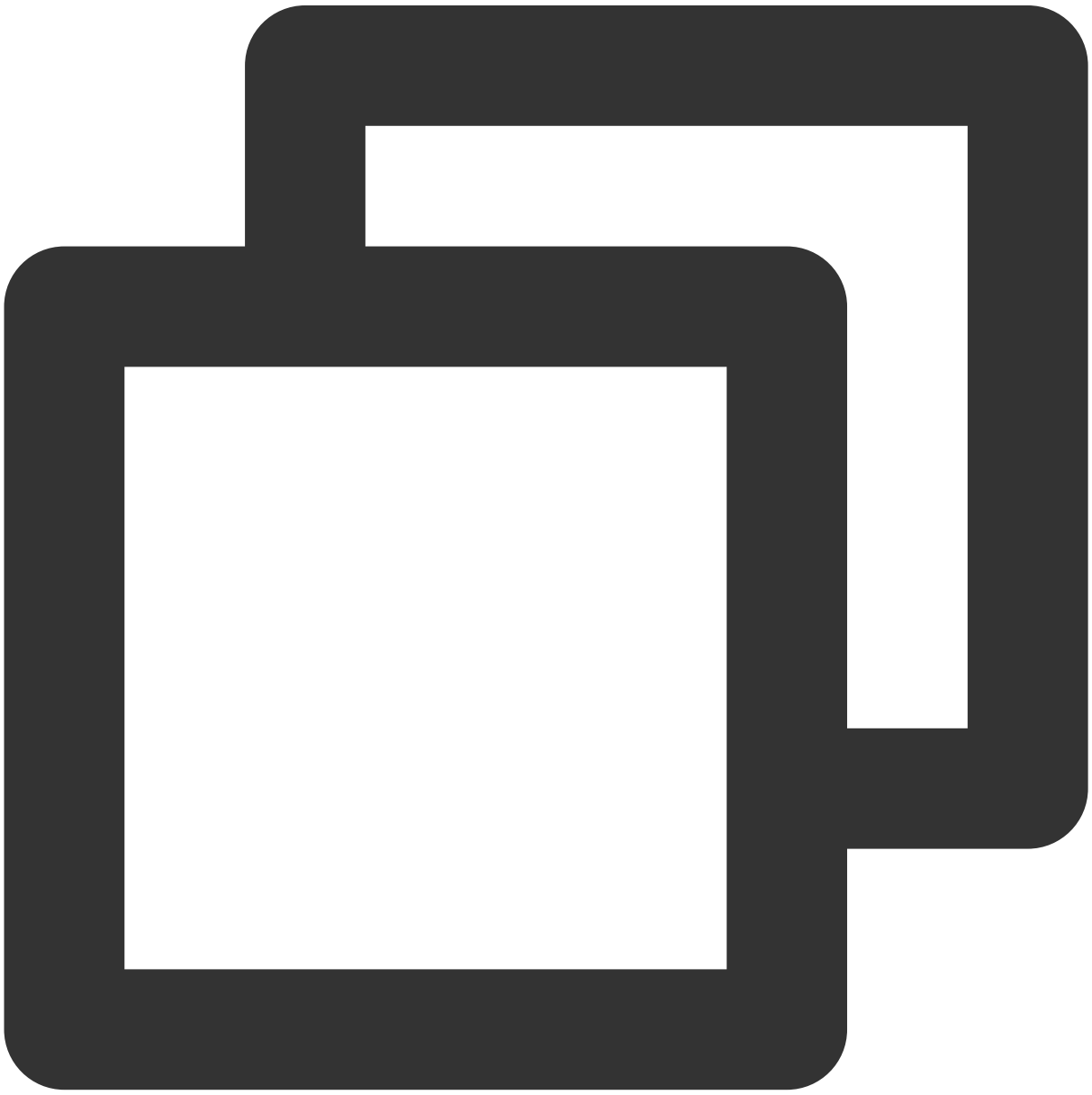
Field	Type	Required	Description
GroupId	String	Yes	ID of the group of which message read receipts are to be pulled
MsgSeqList	Array	Yes	List of message `seq` values
MsgSeq	Integer	Yes	Seq of the message to pull

Sample response

Basic format



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```
{
  "ActionStatus": "OK",
  "ErrorCode": 0,
  "ErrorInfo": "",
  "GroupMsgReceiptList": [   // Read receipts
      {
          "Code": 0,
          "MsgSeq": 1,
          "ReadNum": 1,      // Read count of the group message
          "UnreadNum": 6     // Unread count of the group message
      },
      {
          "Code": 0,
          "MsgSeq": 2,
          "ReadNum": 1,
          "UnreadNum": 6
      }
  ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
GroupMsgReceiptList	Array	Read receipt for the group message
Code	Integer	Error code for the read receipt. For example, `10062` indicates that the read receipt doesn't exist.
MsgSeq	Integer	Seq of the message to pull
ReadNum	Integer	Read count of the group message
UnreadNum	Integer	Unread count of the group message

Error Codes

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The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. The operator must have permissions to perform corresponding operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.
10062	The read receipt doesn't exist.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Pulling group message read receipt details (v4/group_open_http_svc/get_group_msg_receipt_detail)

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Message Extension
Pulling the Message Extension of a One-to-One Message

Last updated：2024-07-16 10:41:26

Feature Overview

App admins and conversation members can pull the message extension of a one-to-one message. Message extension is a set of custom key-value pairs.

Note

To use this feature, you need to purchase the Premium edition and enable the **Set message extension** feature on the **Login and Message** page in the Chat console.

Up to 300 key-value pairs can be set for each one-to-one message.

For one-to-one messages for which key-value pairs are set, they need to be specified to support message extension when being sent. For operation details, see Sending One-to-One Messages to One User.

Sample request URL

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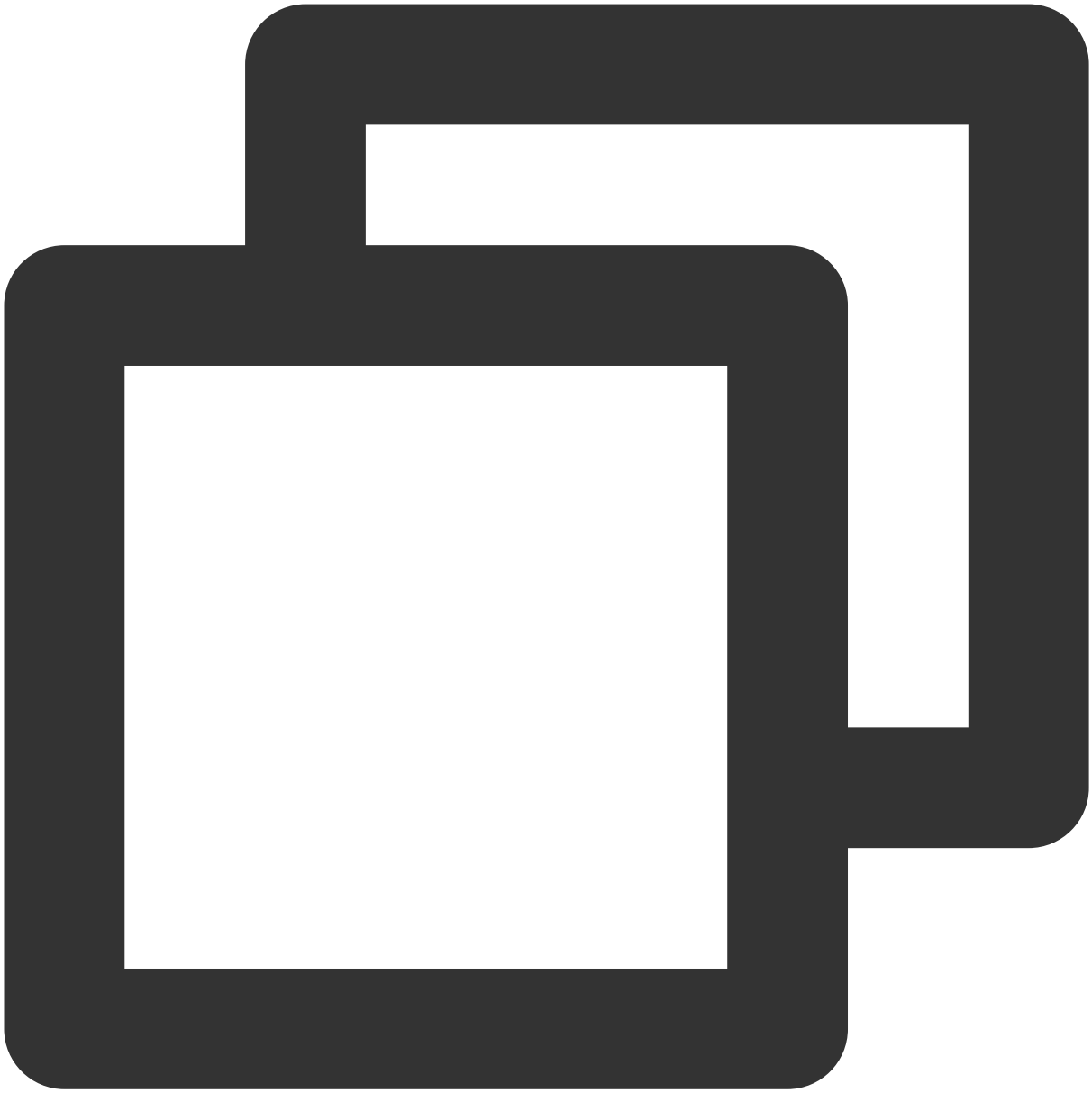

```
https://xxxxxx/v4/openim_msg_ext_http_svc/get_key_values?sdkappid=88888888&identifi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_msg_ext_http_svc/get_key_values	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Pull the message extension of a one-to-one message whose `MsgKey` is `44739199_12_1665388280` :

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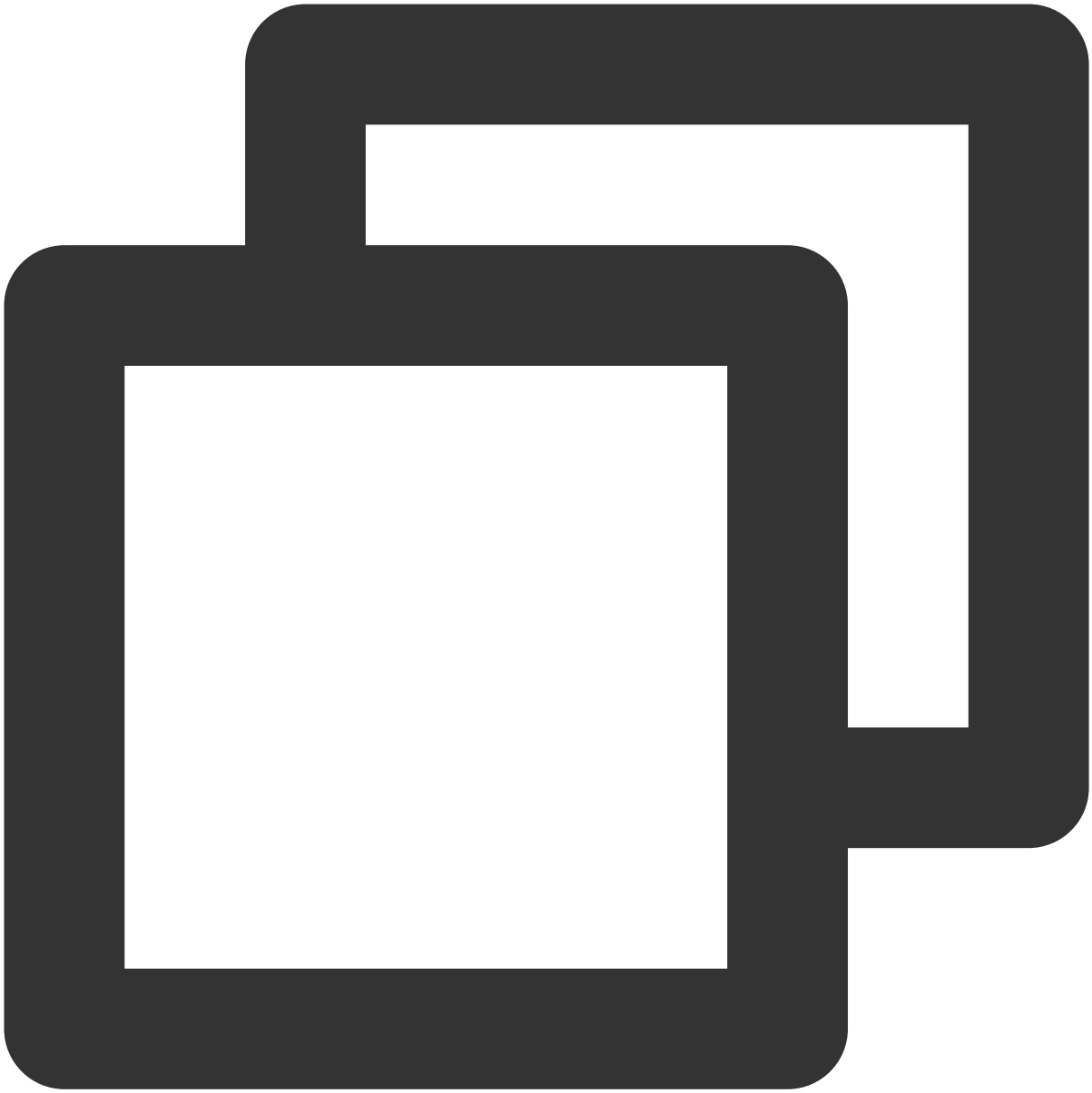

```
{
    "From_Account": "62768",
    "To_Account": "116400",
    "MsgKey": "44739199_12_1665388280"
}
```

Pull the message extension of a one-to-one message whose `MsgKey` is `44739199_12_1665388280` and `Seq` is greater than or equal to 2:

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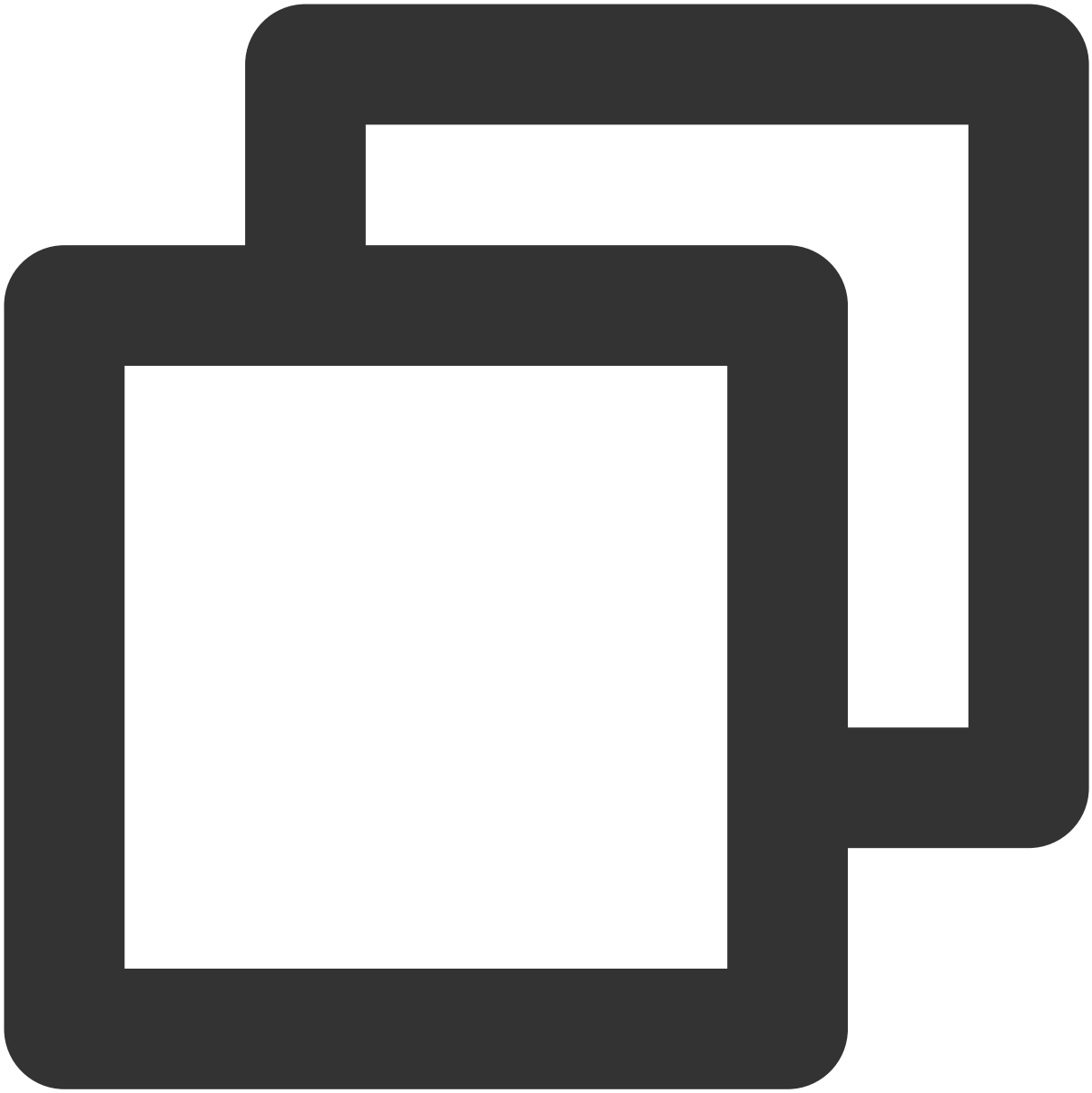

```
{
    "From_Account": "62768",
    "To_Account": "116400",
    "MsgKey": "44739199_12_1665388280",
    "StartSeq": 2
}
```

Request fields

Field	Type	Required	Description

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From_Account	String	No	`UserID` of the sender (used to specify the message sender)
To_Account	String	Yes	`UserID` of the recipient
MsgKey	String	Yes	Unique identifier of the one-to-one message. For how to obtain the `MsgKey` of the message, see the API for sending one-to-one messages to one user.
StartSeq	Integer	No	Message extension will be pulled for messages whose `Seq` is greater than or equal to `StartSeq` .

Sample response

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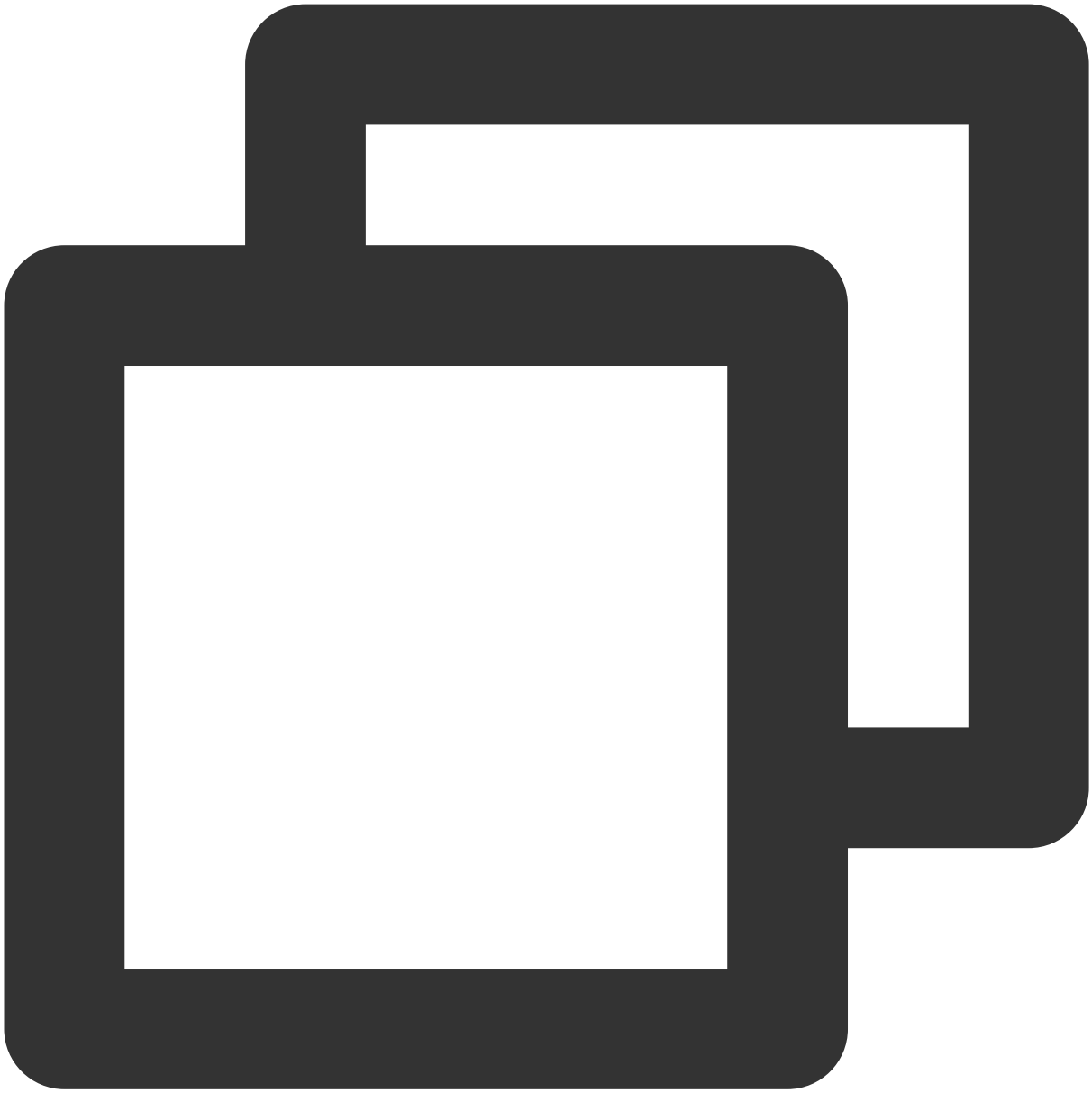


```
{
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ActionStatus": "OK",
    "CompleteFlag": 1,
    "LatestSeq": 2,
    "ClearSeq": 0,
    "ExtensionList": [
        {
            "Key": "k1",
            "Value": "v1",
```


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```
            "Seq": 1
        },
        {
            "Key": "k2",
            "Value": "v2",
            "Seq": 1
        },
        {
            "Key": "k3",
            "Value": "v3",
            "Seq": 2
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful. `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information
ExtensionList	Array	List of key-value pairs returned, where the key-value pairs are sorted by `Seq` . Up to 200 key-value pairs can be returned per pull. If there are more than 200 key-value pairs, they need to be pulled in batches based on `StartSeq` .
CompleteFlag	Integer	`1` : All key-value pairs are returned. `0` : Not all key-value pairs are returned.
LatestSeq	Integer	Latest `Seq` of the backend, which is the maximum value of `Seq` among all key-value pairs.
ClearSeq	Integer	`Seq` for the clearing operation. All key-value pairs whose `Seq` is less than or equal to `ClearSeq` must be deleted locally on the client.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

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Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10008	Invalid request: The request is not an Premium edition plan request.
23004	The one-to-one message does not exist.

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Configuring Message Extension for a One-to-One Message

Last updated：2024-07-16 10:41:26

Feature Overview

App admins and conversation members can configure message extension for common one-to-one messages. Message extension is a set of custom key-value pairs.

Note

To use this feature, you need to purchase the Premium edition and enable the **Set message extension** feature on the **Login and Message** page in the Chat console.

Up to 300 key-value pairs can be set for each one-to-one message.

For one-to-one messages for which key-value pairs are set, they need to be specified to support message extension when being sent. For operation details, see Sending One-to-One Messages to One User.

Sample request URL

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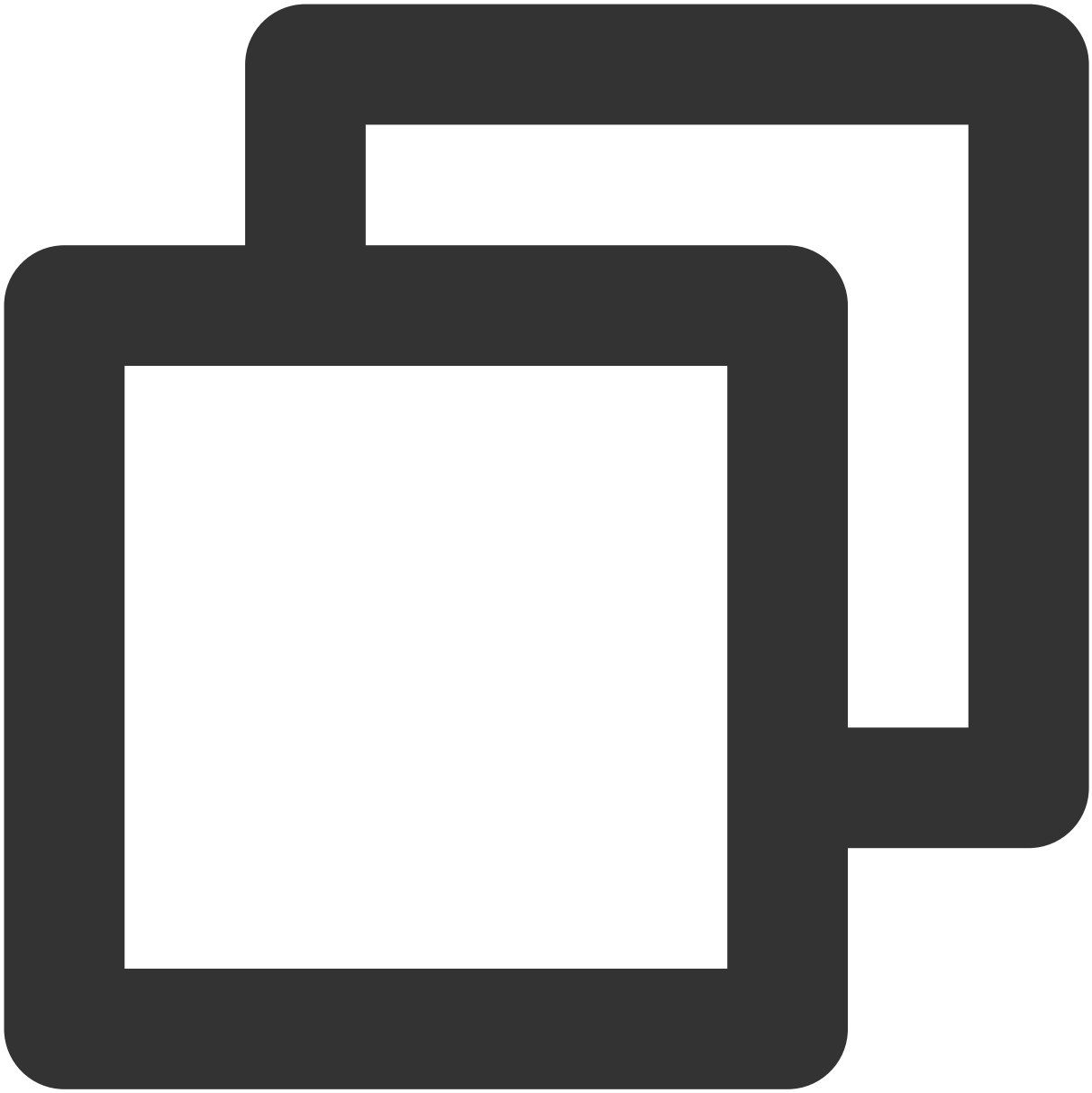

```
https://xxxxxx/v4/openim_msg_ext_http_svc/set_key_values?sdkappid=88888888&identifi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_msg_ext_http_svc/set_key_values	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Configure message extension for a one-to-one message whose `MsgKey` is `44739199_12_1665388280` :

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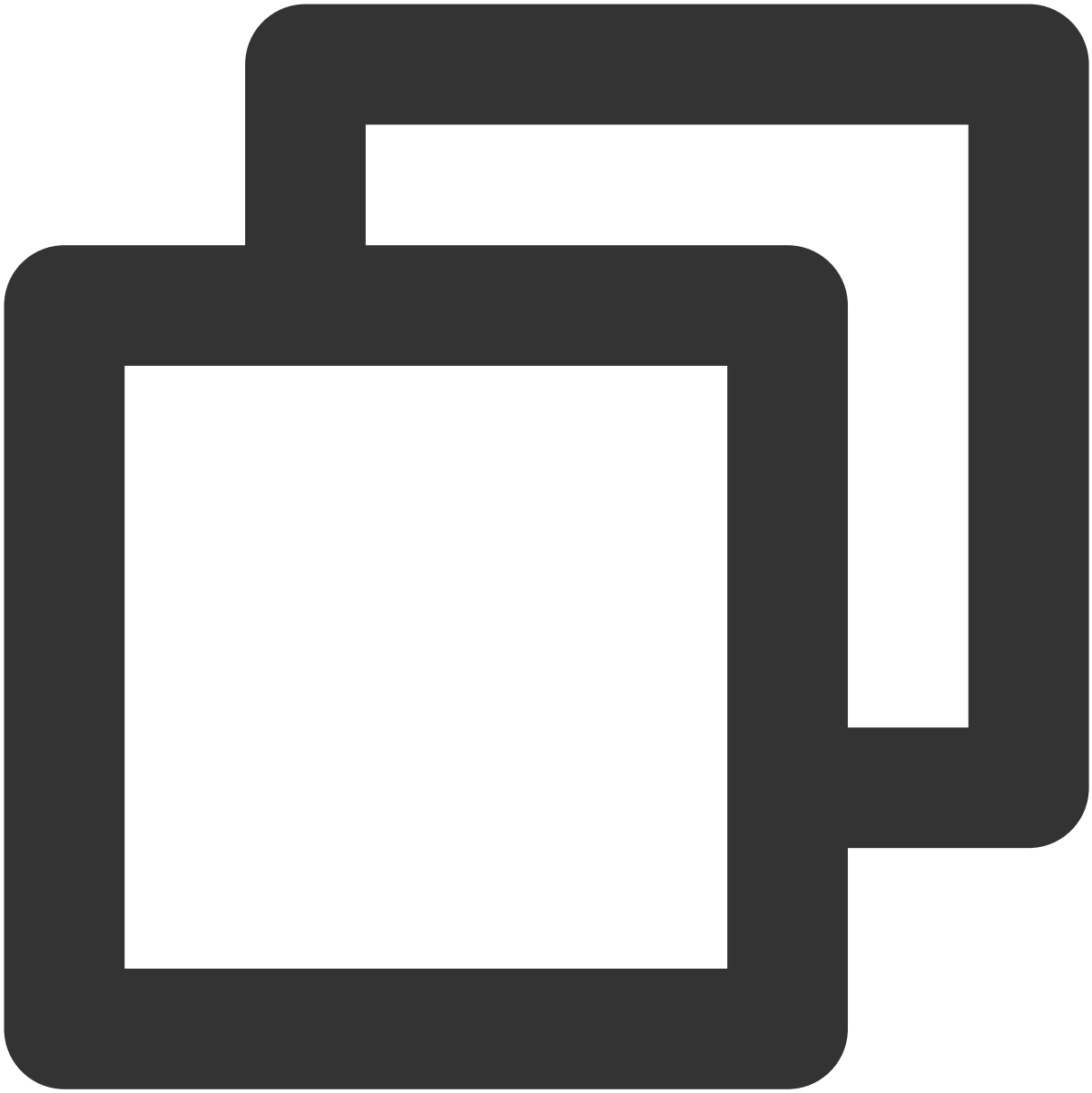

```
{
    "From_Account": "62768",
    "To_Account": "116400",
    "MsgKey": "44739199_12_1665388280",
    "OperateType": 1,
    "ExtensionList": [
        {"Key": "k1", "Value": "v1", "Seq": 0},
        {"Key": "k2", "Value": "v2", "Seq": 0},
        {"Key": "k3", "Value": "v3", "Seq": 0}
    ]
}
```

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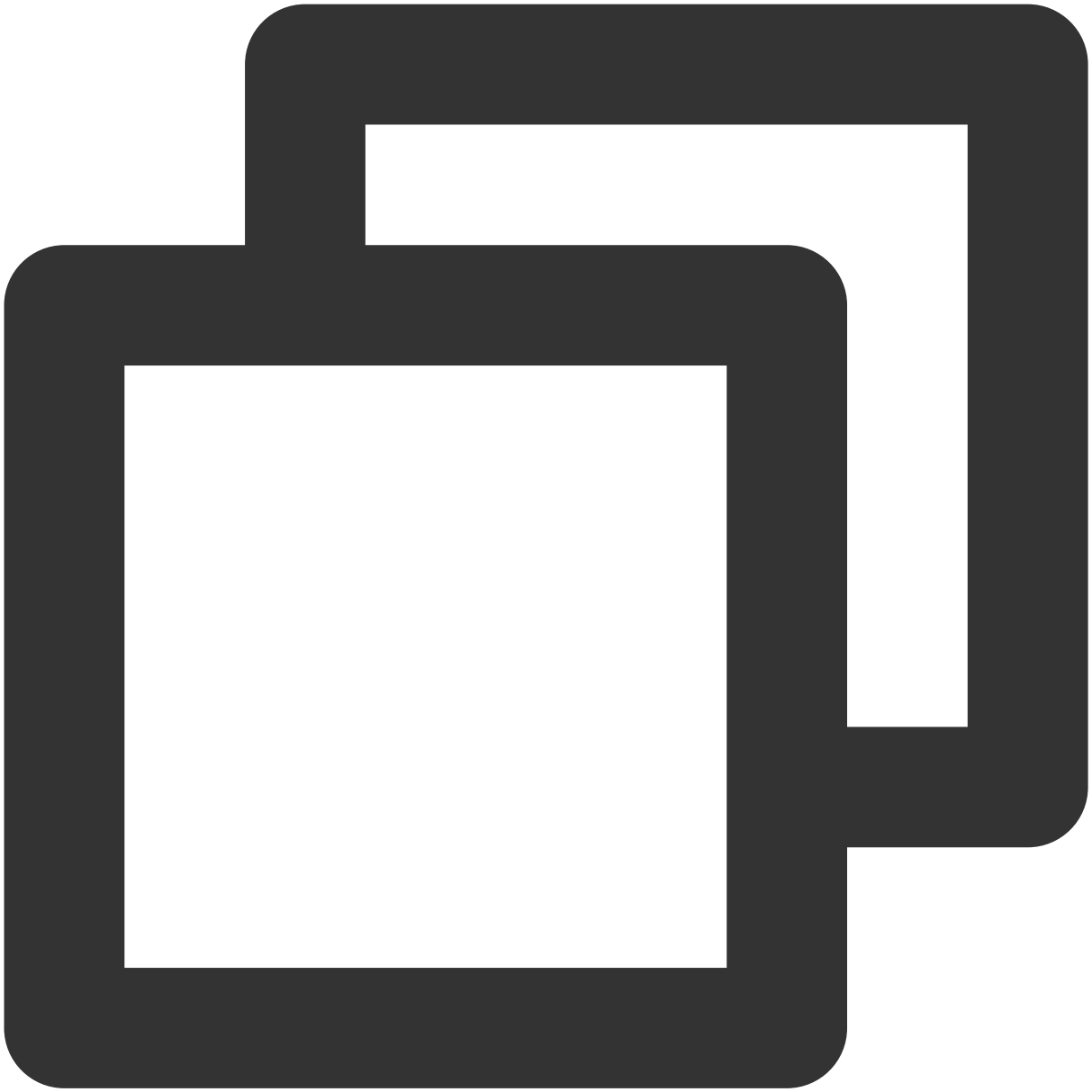
Delete certain message extension for a one-to-one message whose `MsgKey` is `44739199_12_1665388280` :



```
{
    "From_Account": "62768",
    "To_Account": "116400",
    "MsgKey": "44739199_12_1665388280",
    "OperateType": 2,
    "ExtensionList": [
        {"Key": "key1", "Value": "", "Seq": 1}
    ]
}
```

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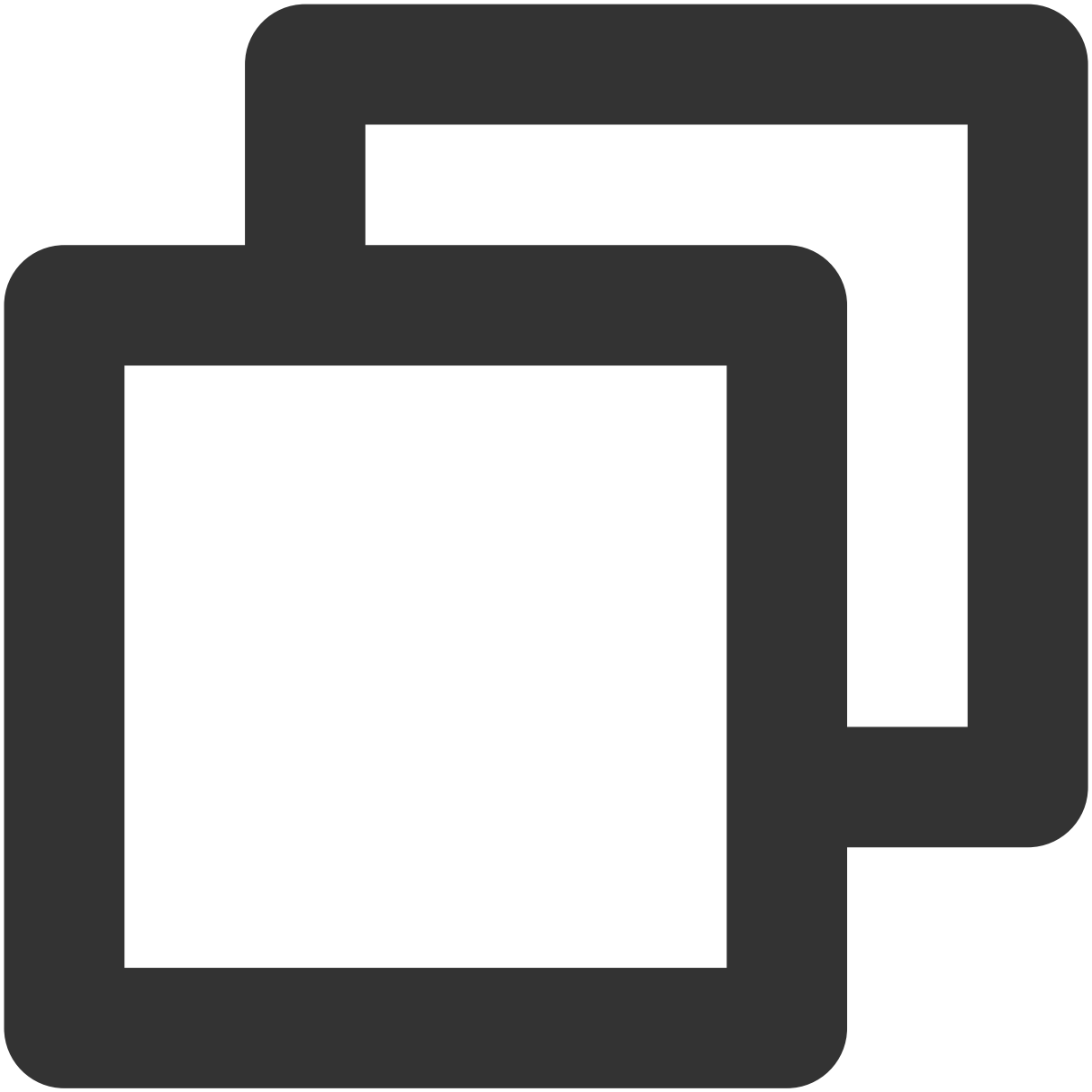
Clear all message extension for a one-to-one message whose `MsgKey` is `44739199_12_1665388280` :



```
{
    "From_Account": "62768",
    "To_Account": "116400",
    "MsgKey": "44739199_12_1665388280",
    "OperateType": 3
}
```

Request fields

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Field	Type	Required	Description
From_Account	String	No	`UserID` of the sender (used to specify the message sender)
To_Account	String	Yes	`UserID` of the recipient
MsgKey	String	Yes	Unique identifier of the one-to-one message. For how to obtain the `MsgKey` of the message, see the API for sending one-to-one messages to one user.
OperateType	Integer	Yes	`1` : Setting key-value pairs for a message; `2` : Deleting certain key-value pairs for a message; `3` : Clearing all key-value pairs for a message
ExtensionList	Array	Yes (when `OperateType` is `1` or `2`)	Up to 20 key-value pairs can be set or deleted per request

Fields of the objects in `ExtensionList` are described as follows:

Field	Type	Required	Description
Key	String	Yes	Key in a key-value pair, which can be up to 100 bytes
Value	String	Yes	Value in a key-value pair, which can be up to 1,000 bytes
Seq	Integer	Yes (when the API is not called by an app admin)	Version number of the current key-value pair. `Seq` is `0` when the API is called by a conversation member to configure a key-value pair for the first time and is `1` when the configuration is successful. For subsequent key-value pair configuration, the latest `Seq` of the key-value pair needs to be passed back to the backend, which then checks whether the key-value pair has been modified by others. If the `Seq` does not match the key-value pair, the configuration fails, and an error code is returned. The backend does not verify the `Seq` when the API is called by an app admin.

Sample response

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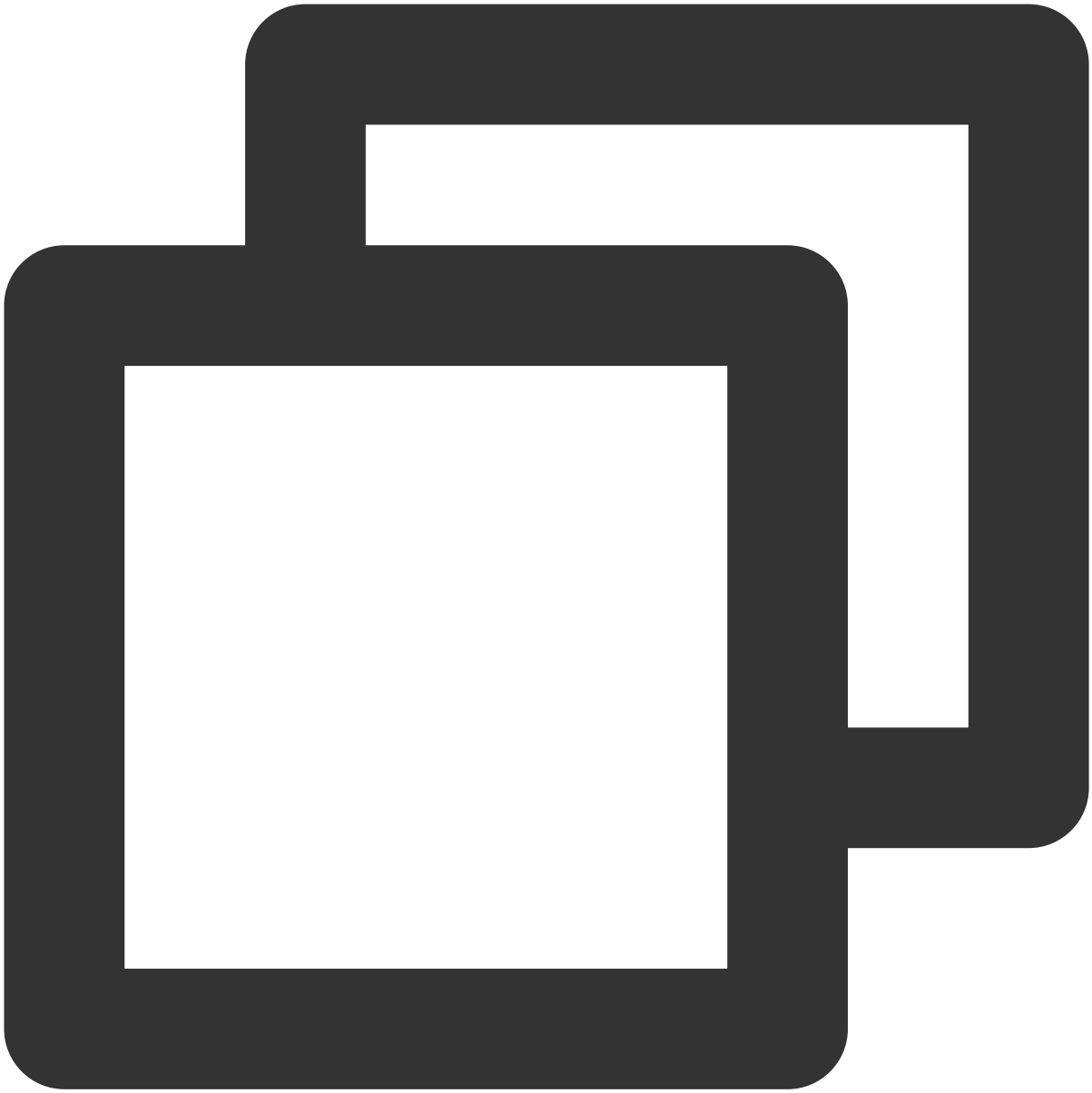


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "ExtensionList": [
        {
            "ErrorCode": 0,
            "Extension": {
                "Key": "k1",
                "Value": "v1",
                "Seq": 1
```


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```
            }
        },
        {
            "ErrorCode": 23001,
            "Extension": {
                "Key": "k2",
                "Value": "v1234",
                "Seq": 2
            }
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful. `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information
ExtensionList	Array	Message extension configuration result

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10008	Invalid request: The request is not an Premium edition plan request.
23001	Seq conflict: The key-value setting has been modified by others. You need to pull the latest Seq to request again.
23002	The configured one-to-one message does not support message extension.

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23003	Too many key-value setting attempts (more than 200 attempts per minute per message)
23004	The configured one-to-one message does not exist.

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Pulling Message Extension of a Group Message

Last updated：2024-07-16 10:41:26

Feature Overview

App admins and group members can pull the message extension of a one-to-one message. Message extension is a set of custom key-value pairs.

Note

To use this feature, you need to purchase the Premium edition and enable the **Set message extension** feature on the **Login and Message** page in the Chat console.

Up to 300 key-value pairs can be set for each group message.

For group messages for which key-value pairs are set, they need to be specified to support message extension when being sent. For operation details, see Sending Ordinary Messages in a Group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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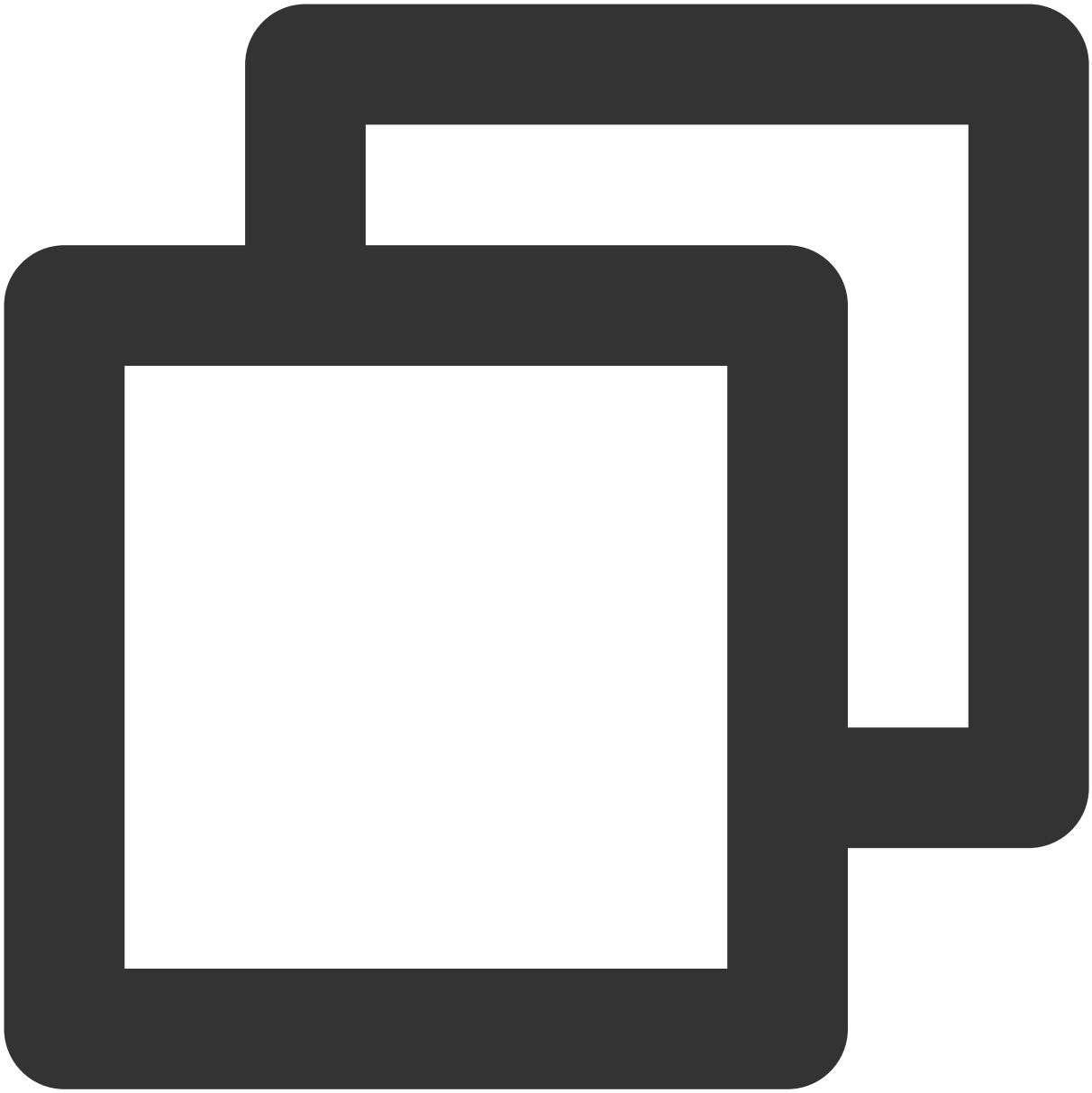

```
https://xxxxxx/v4/openim_msg_ext_http_svc/group_get_key_values?sdkappid=88888888&id
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_msg_ext_http_svc/group_get_key_values	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Pull the message extensions of the group message whose `MsgSeq` is 158:

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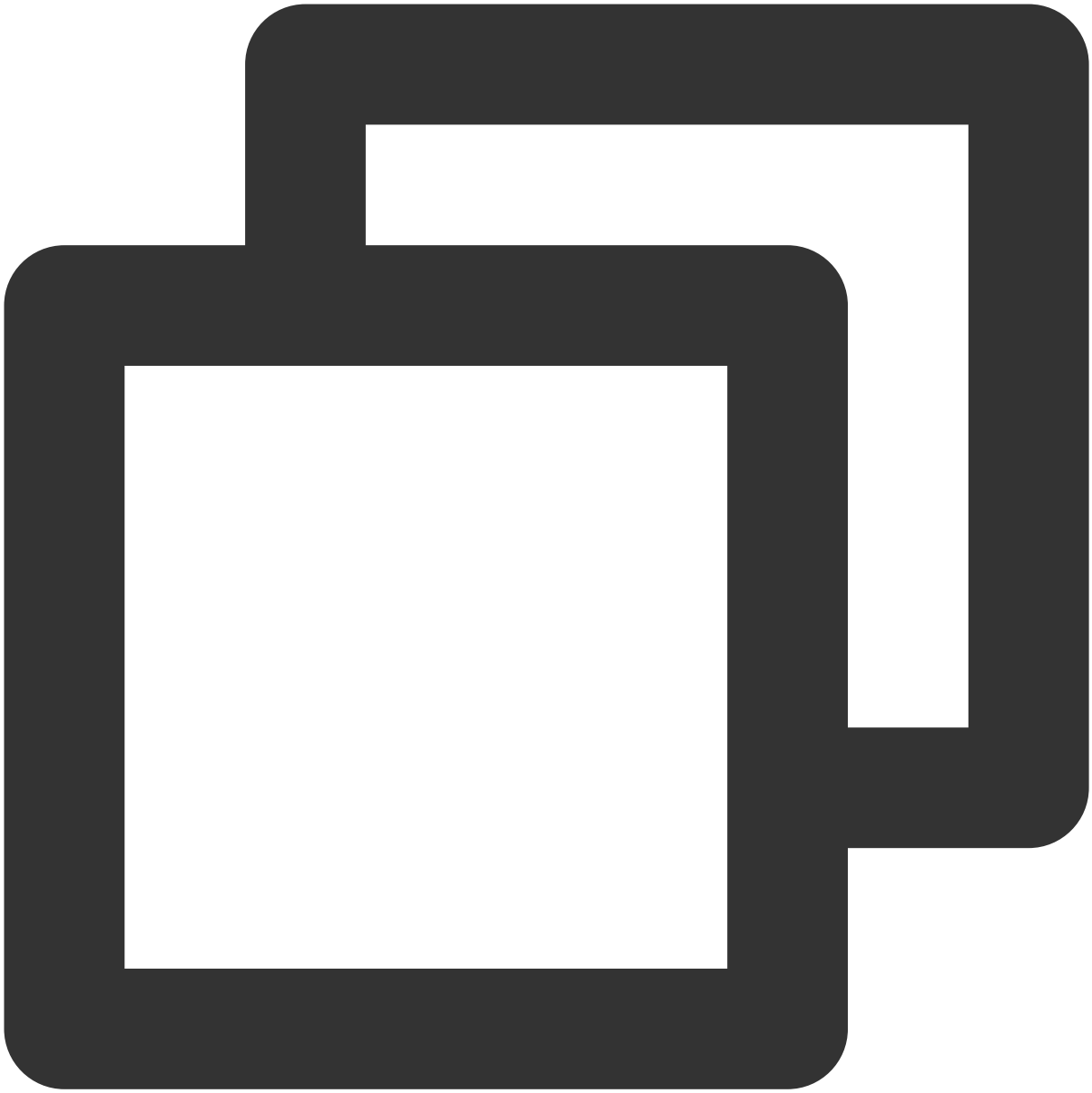

```
{
    "GroupId": "@TGS#1YMVAB3IZ",
    "MsgSeq": 158
}
```

Pull the message extensions of the group message whose `MsgSeq` is 158 and `Seq` is equal to or greater than 2:

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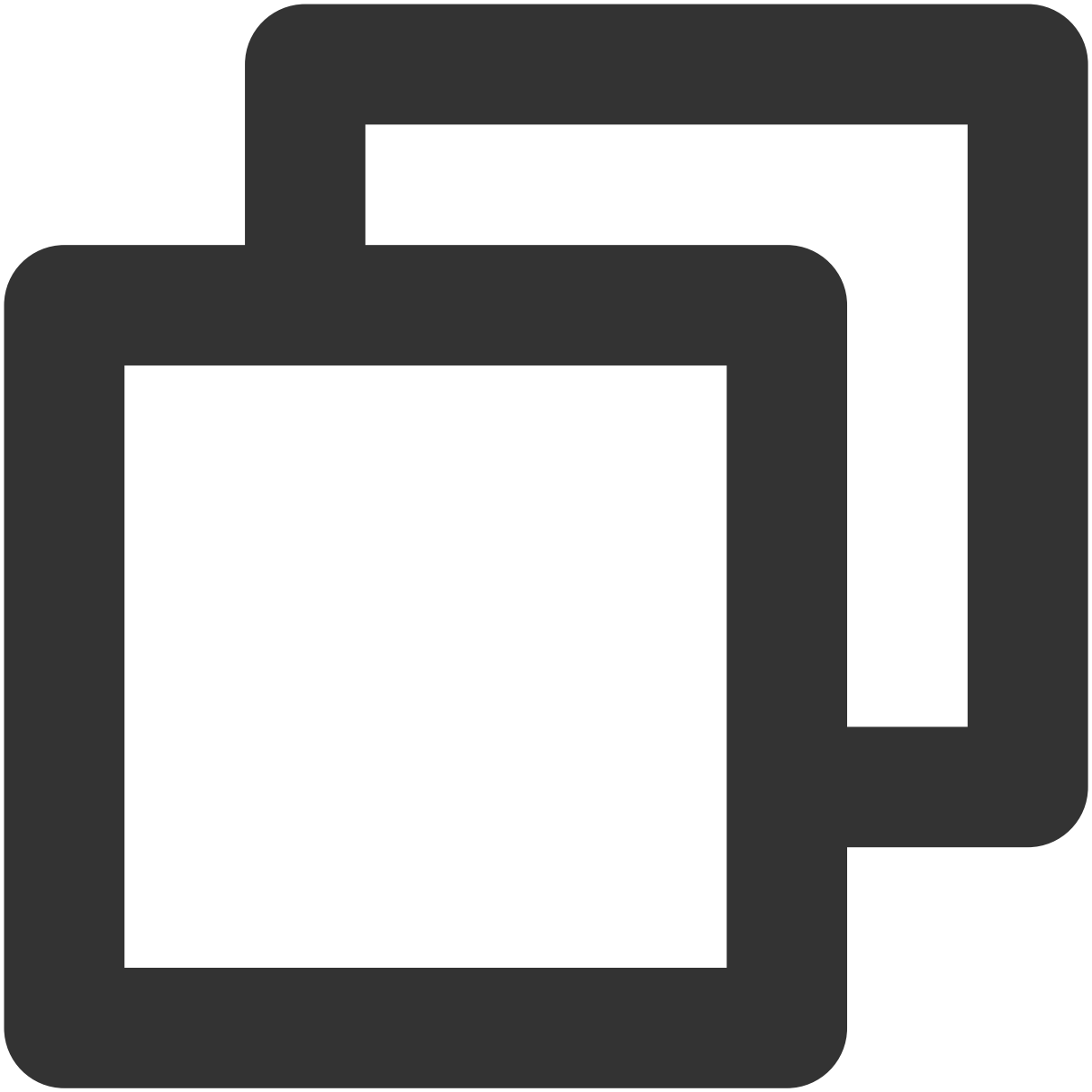

```
{
    "GroupId": "@TGS#1YMVAB3IZ",
    "MsgSeq": 158,
    "StartSeq": 2
}
```

Request fields

Field	Type	Required	Description

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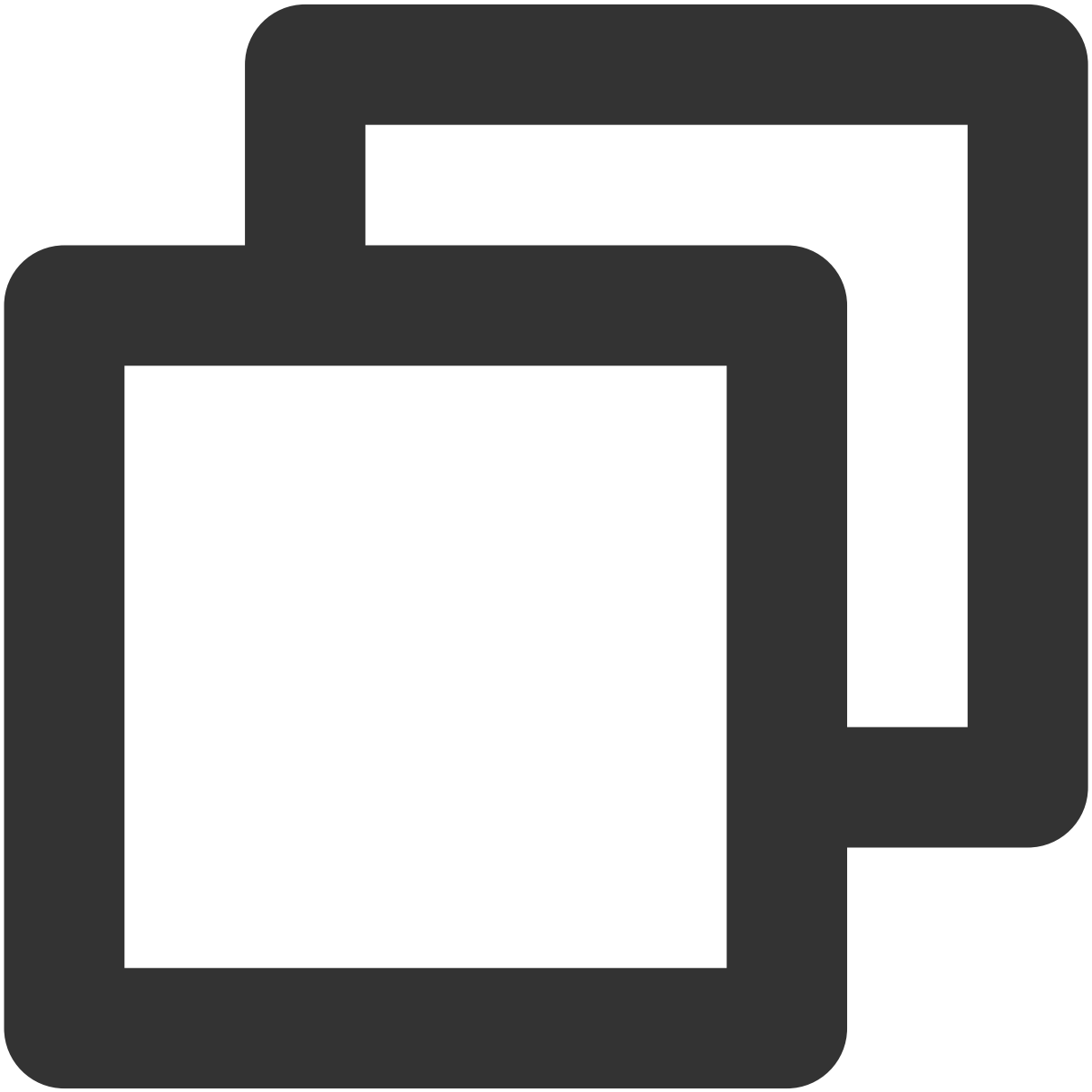
GroupId	String	Yes	Group ID
MsgSeq	Integer	Yes	Seq of the group message to be configured
StartSeq	Integer	No	Message extension will be pulled for messages whose `Seq` is greater than or equal to `StartSeq` .

Sample response



```
{
```

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```
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ActionStatus": "OK",
    "CompleteFlag": 1,
    "LatestSeq": 2,
    "ClearSeq": 0,
    "ExtensionList": [
        {
            "Key": "key1",
            "Value": "1",
            "Seq": 1
        },
        {
            "Key": "key2",
            "Value": "2",
            "Seq": 1
        },
        {
            "Key": "key3",
            "Value": "3",
            "Seq": 2
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
ExtensionList	Array	List of key-value pairs returned, where the key-value pairs are sorted by `Seq` . Up to 200 key-value pairs can be returned per pull. If there are more than 200 key-value pairs, they need to be pulled in batches based on `StartSeq` .
CompleteFlag	Integer	`1` : All key-value pairs are returned. `0` : Not all key-value pairs are returned.
LatestSeq	Integer	Latest `Seq` of the backend, which is the maximum value of `Seq` among all key-value pairs.
ClearSeq	Integer	`Seq` for the clearing operation. All key-value pairs whose `Seq` is less than or equal to `ClearSeq` must be deleted locally on the client.

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10008	Invalid request: The request is not an Premium edition plan request.
23004	The group message does not exist.

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Configuring Message Extension for a Group Message

Last updated：2024-07-16 10:40:20

Feature Overview

App admins and group members can configure message extension for common group messages. Message extension is a set of custom key-value pairs.

Note:

To use this feature, you need to purchase the Ultimate edition and enable the **Set message extension** feature on the **Login and Message** page in the Chat console.

Up to 300 key-value pairs can be set for each group message.

For group messages for which key-value pairs are set, they need to be specified to support message extension when being sent. For operation details, see Sending Ordinary Messages in a Group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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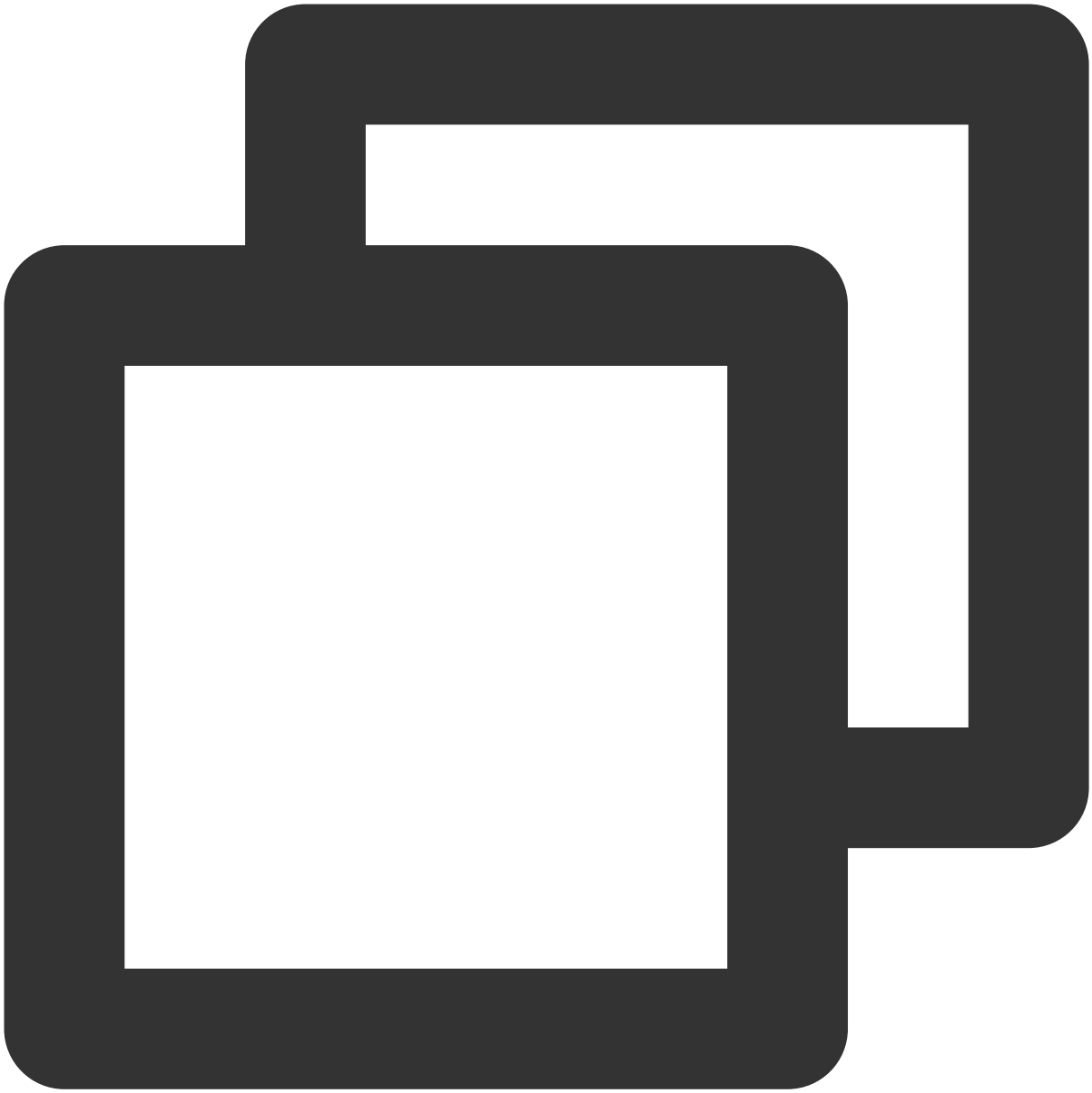

```
https://xxxxxx/v4/openim_msg_ext_http_svc/group_set_key_values?sdkappid=88888888&id
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_msg_ext_http_svc/group_get_key_values	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Configure message extensions for the group message whose `MsgSeq` is 158:

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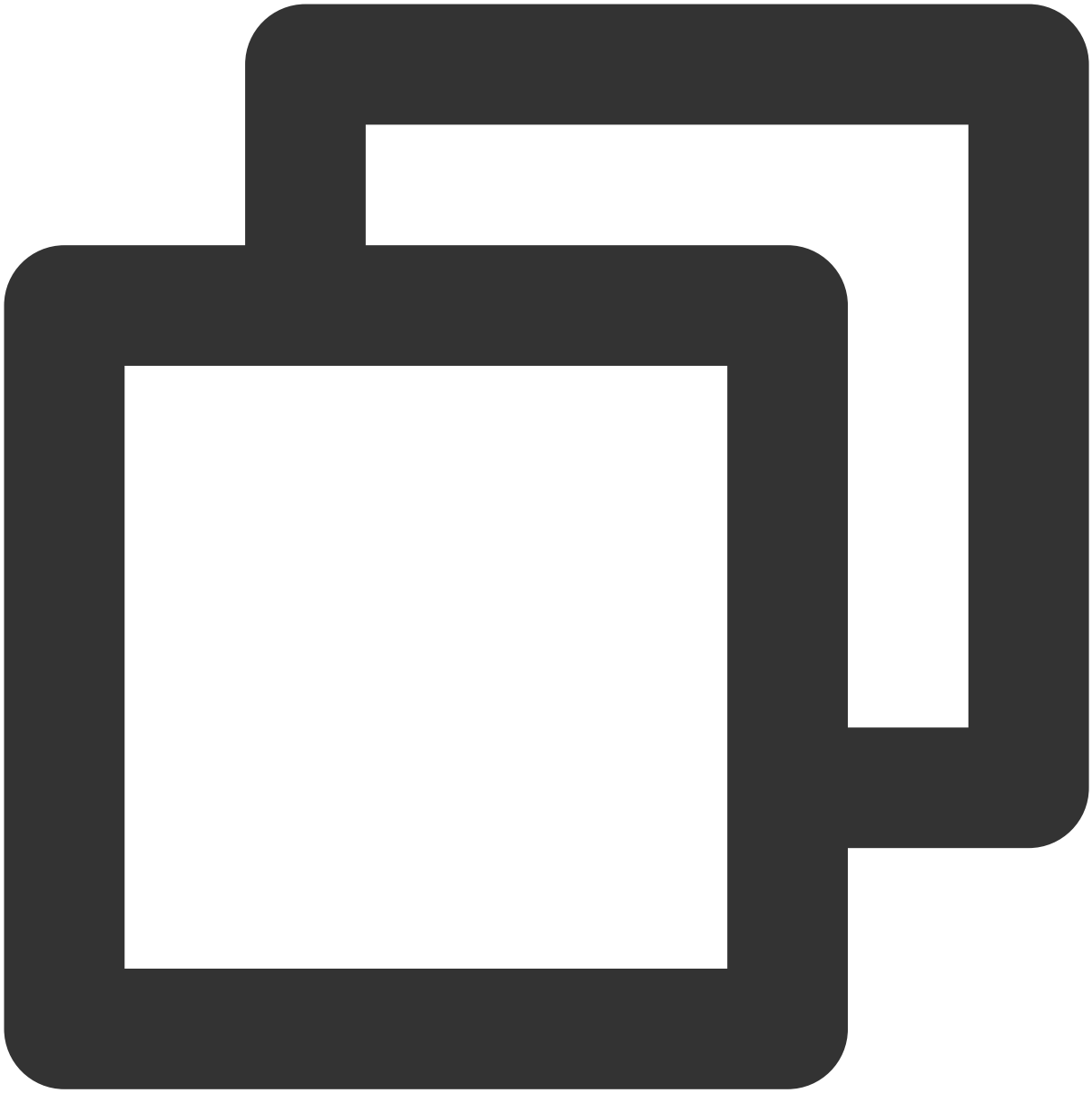

```
{
    "GroupId": "@TGS#1YMVAB3IZ",
    "MsgSeq": 158,
    "OperateType": 1,
    "ExtensionList": [
        {"Key": "key1", "Value": "value1", "Seq": 0},
        {"Key": "key2", "Value": "value2", "Seq": 0},
    ]
}
```

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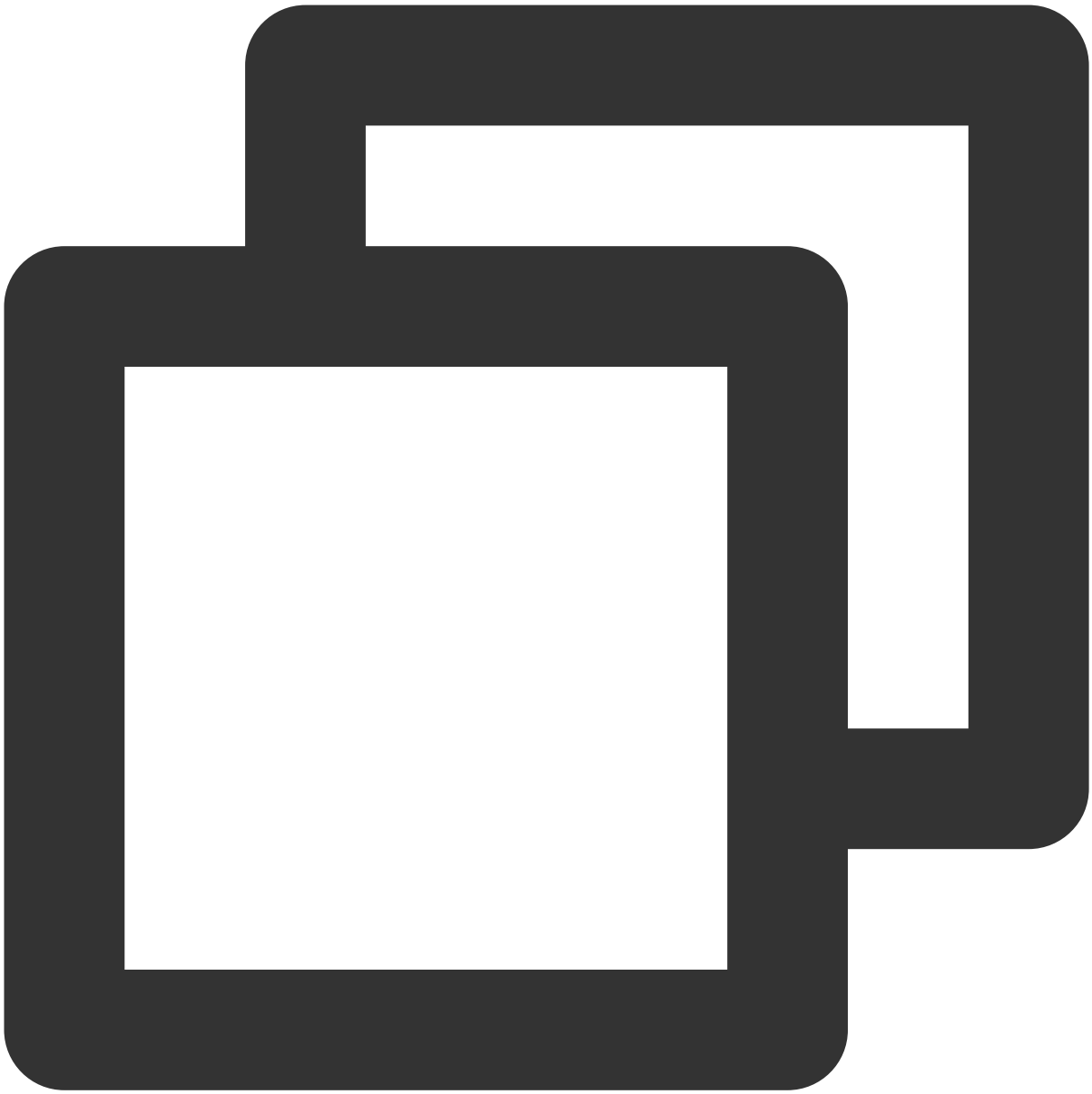
Delete message extensions for the group message whose `MsgSeq` is 158:



```
{
    "GroupId": "@TGS#1YMVAB3IZ",
    "MsgSeq": 158,
    "OperateType": 2,
    "ExtensionList": [
        {"Key": "key1", "Value": "", "Seq": 1}
    ]
}
```

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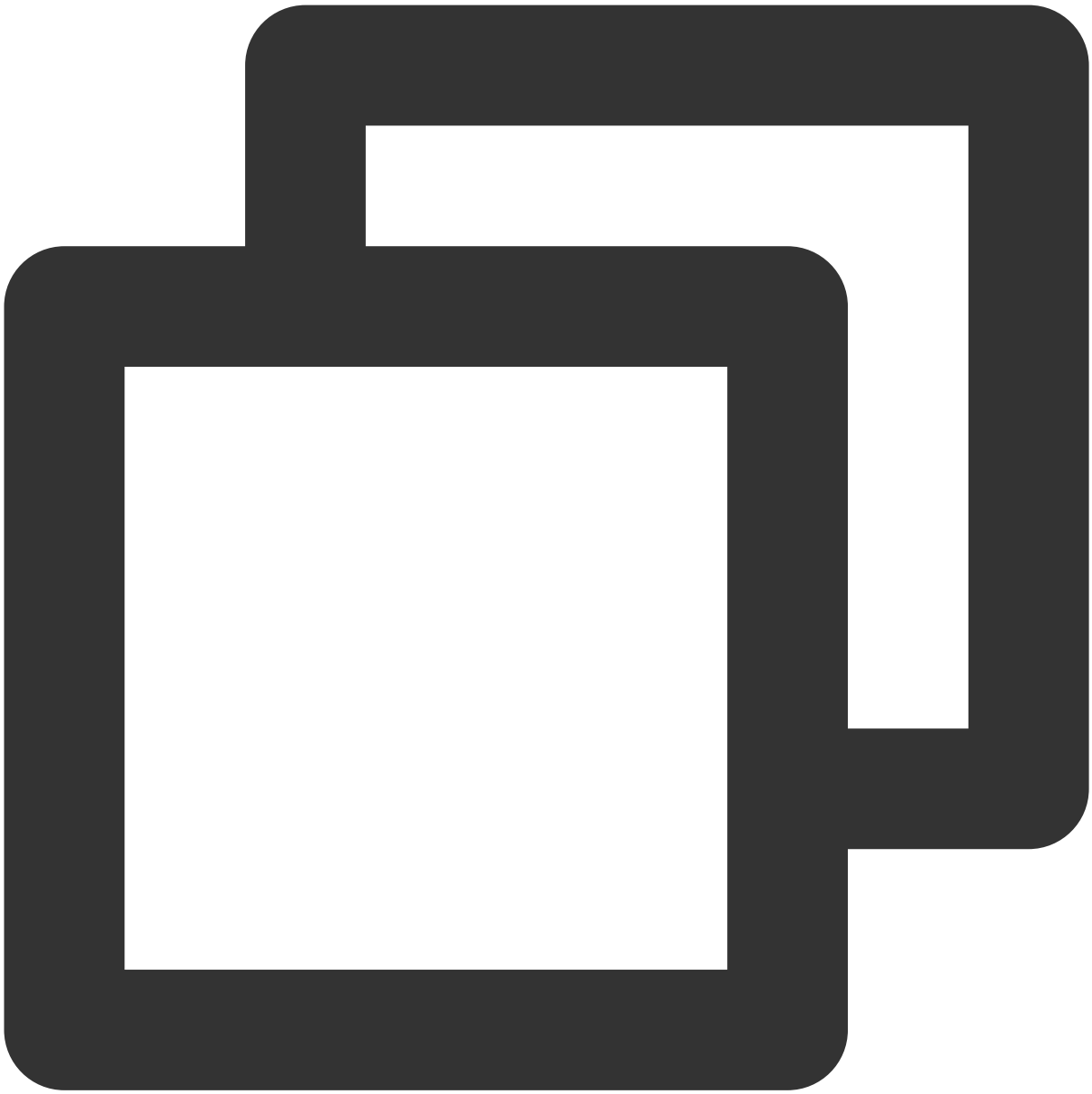
Clear all message extensions for the group message whose `MsgSeq` is 158:



```
{
    "GroupId": "@TGS#1YMVAB3IZ",
    "MsgSeq": 158,
    "OperateType": 3
}
```

Request fields

Field	Type	Required	Description

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GroupId	String	Yes	Group ID
MsgSeq	Integer	Yes	Seq of the group message to be configured
OperateType	Integer	Yes	`1` : Setting key-value pairs for a message; `2` : Deleting certain key-value pairs for a message; `3` : Clearing all key-value pairs for a message
ExtensionList	Array	Yes (when `OperateType` is `1` or `2`)	Up to 20 key-value pairs can be set or deleted per request

Fields of the objects in `ExtensionList` are described as follows:

Field	Type	Required	Description
Key	String	Yes	Key in a key-value pair, which can be up to 100 bytes
Value	String	Yes	Value in a key-value pair, which can be up to 1,000 bytes
Seq	Integer	Yes (when the API is not called by an app admin)	Version number of the current key-value pair. `Seq` is `0` when the API is called by a group member to configure a key-value pair for the first time and is `1` when the configuration is successful. For subsequent key-value pair configuration, the latest `Seq` of the key-value pair needs to be passed back to the backend, which then checks whether the key-value pair has been modified by others. If the `Seq` does not match the key-value pair, the configuration fails, and an error code is returned. The backend does not verify the `Seq` when the API is called by an app admin.

Sample response

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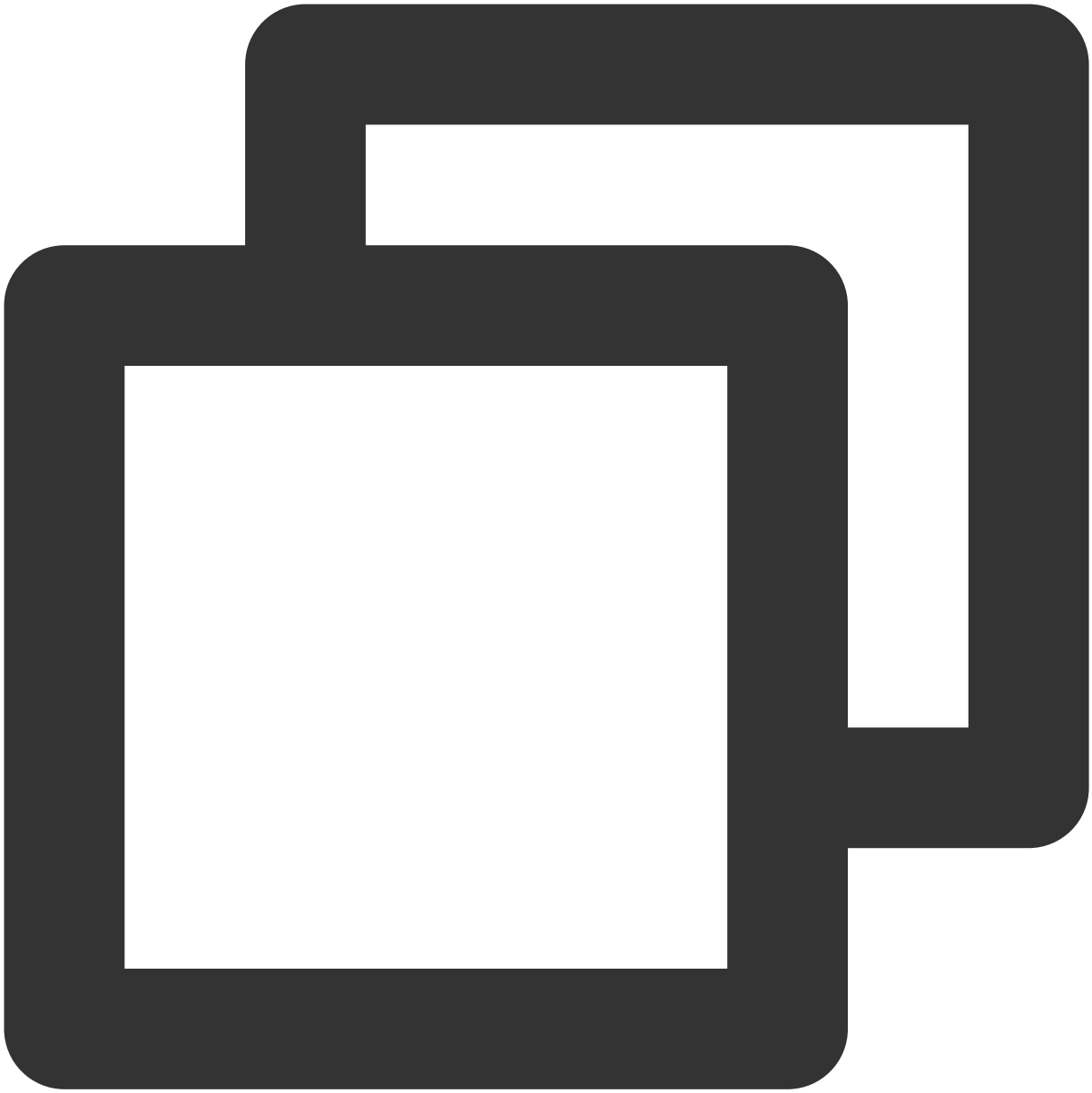


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "ExtensionList": [
        {
            "ErrorCode": 0,
            "Extension": {
                "Key": "key1",
                "Value": "value1",
                "Seq": 1
```


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```
            }
        },
        {
            "ErrorCode": 23001,
            "Extension": {
                "Key": "key2",
                "Value": "value1234",
                "Seq": 2
            }
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
ExtensionList	Array	Message extension configuration result

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10008	Invalid request: The request is not an Ultimate edition plan request.
23001	Seq conflict: The key-value setting has been modified by others. You need to pull the latest Seq to request again.
23002	The configured group message does not support message extension.

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23003	Too many key-value setting attempts (more than 200 attempts per minute per message)
23004	The configured group message does not exist.

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Pushing to All Users
API for Pushing to All Users

Last updated：2024-07-16 10:41:26

Push to All Users Overview

The push to all users service is a group of RESTful APIs implemented based on the IM communication architecture. This service is used to meet message push requirements of the application, including pushing messages to all users, pushing messages by tag, and pushing messages by attribute. Clients can receive pushed messages by using the online and offline push features (Android background notifications and APNs) of the SDK. The group push service also supports offline storage of messages, helping operators achieve their operational goals more efficiently.

Note:

An account can receive messages pushed to all users only after it has been logged in to or manually imported.

The feature of pushing to all users is available only to users with Flagship edition accounts. See Configuration Change Ticket to apply for this feature. The feature will be enabled **48 hours** after your application is approved.

Basic Features

Push messages to all users of the application.

Push messages by user tag.

Push messages by user attribute.

Strengths

The group push service is provided based on the client IM SDK and IM backend, which guarantee messaging capabilities and system availability.

Message delivery is guaranteed based on the IM SDK, and the service provides simple message broadcasting capabilities for applications.

You can set up to 10 push attributes for each user. Each attribute can be set separately without affecting the others.

The service pushes messages based on multiple attributes connected by AND or OR logic.

The service pushes messages based on multiple tags connected by AND or OR logic.

The service pushes messages only to online users and retains messages offline for up to 7 days(withdrawal and roaming are not supported).

You can customize messages.

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You can specify the sender account.

Use Cases

Pushing messages to all users

Example 1: a game application plans to provide special offers on Christmas and needs to push the notification to all users. In this case, the group push service can be used to boost efficiency. In addition, to inform more users of this promotion, you can set the offline message retention period. In this way, even if some users are not online when the message is pushed, they can still receive the message when they go online within this offline retention period. This improves the quality and effectiveness of the promotion.
Example 2: a livestreaming application plans to launch a large-scale live marketing activity and needs to push the notification to all users. In this case, you can push the notification to all users starting 7 days before the activity and set the offline message retention period to 7 days. When the activity starts, you can push the notification to all users again, without specifying an offline retention period. In this way, all online users can receive the notification and join the live room, attracting more users into the live room.

Pushing messages to users by user tag

For example, a financial product plans to push a financial planning service to users who follow "stock A" or "stock B". In this case, you can push messages by tag:
1. When a user follows "stock A" or "stock B", add the corresponding tag to the user by calling the API for adding tags.
2. When a user unfollows "stock A" or "stock B", delete the corresponding tag of the user by calling the API for deleting tags.
3. Set the push condition to "stock A" or "stock B" (by using the TagsOr feature) in the API for pushing messages. In this way, all users that follow "stock A" or "stock B" can receive the messages.

Pushing messages by user attribute

For example, users of a game are classified into non-members, ordinary members, gold members, and platinum members. Assume the operator plans to push an activity to platinum members in Shenzhen. In this case, they can push the message by attribute:
1. Set the application attribute names. In this example, the game users have two attributes: membership tier and city. You can set attribute 0 as the membership tier and attribute 1 as the city.
2. When the membership tier of a user changes (for example, when the membership expires or the user purchases a membership), modify the membership tier attribute of the user by calling the API for setting user attributes. For example, when a user purchases a gold membership, set the membership tier attribute of the user to "gold member".
3. When the city where a user is located changes, modify the city attribute of the user by calling the API for setting user attributes. For example, when the city changes from Beijing to Shanghai, set the city attribute of the user to "Shanghai".

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4. During the activity, you can call the push API and set the membership tier attribute to platinum and the city attribute to Shenzhen. Then, all platinum members in Shenzhen will receive the pushed message.

Note:

In this scenario, pushing by attribute is preferable to pushing by tag. If you push the message by tag, when the city of the user changes from Shenzhen to Guangzhou, the application needs to delete the "Shenzhen" tag of the user and then add the "Guangzhou" tag, which involves two API calls. However, if you push the message by attribute, only one API call is required to modify the city attribute of the user.

Related APIs

Pushing Messages to All Users
Setting Application Attribute Names
Obtaining Application Attribute Names
Setting User Attributes
Deleting User Attributes
Obtaining User Attributes
Adding User Tags
Obtaining User Tags
Deleting User Tags
Deleting All Tags for Users

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Pushing to All Users

Last updated：2024-07-16 10:41:26

Pushing to all users is an excellent tool for application user operations. It not only supports sending specific content to all users, but also can send personalized content to specific user groups based on tags and attributes, such as member events, and regional notifications. This helps effectively attract, convert, and activate new users.

Feature Overview

This API can be used to push messages to all users.
This API can be used to push messages by user attribute.
This API can be used to push messages by user tag.
When the admin pushes messages, the message sender displayed to the recipients is the admin.
When the admin specifies an account to push messages to other accounts, the sender displayed to the recipients is not the admin but the account specified by the admin.
This API supports offline storage of messages, but not message roaming.
It takes time to push messages to all users. The required time depends on the number of accounts. Typically, it is within one minute.
This API allows you to push messages only to online users by setting the `MsgLifeTime` parameter to `0`.
Note:
The "pushing to all users" feature is only available on the IM Ultimate edition. To use it, purchase the Ultimate edition. For more information, see Pricing.

API Call Description

The feature of pushing to all users is available only to users with Ultimate edition accounts. See Configuration Change Ticket to apply for this feature. The feature will be enabled **48 hours** after your application is approved.

Sample request URL

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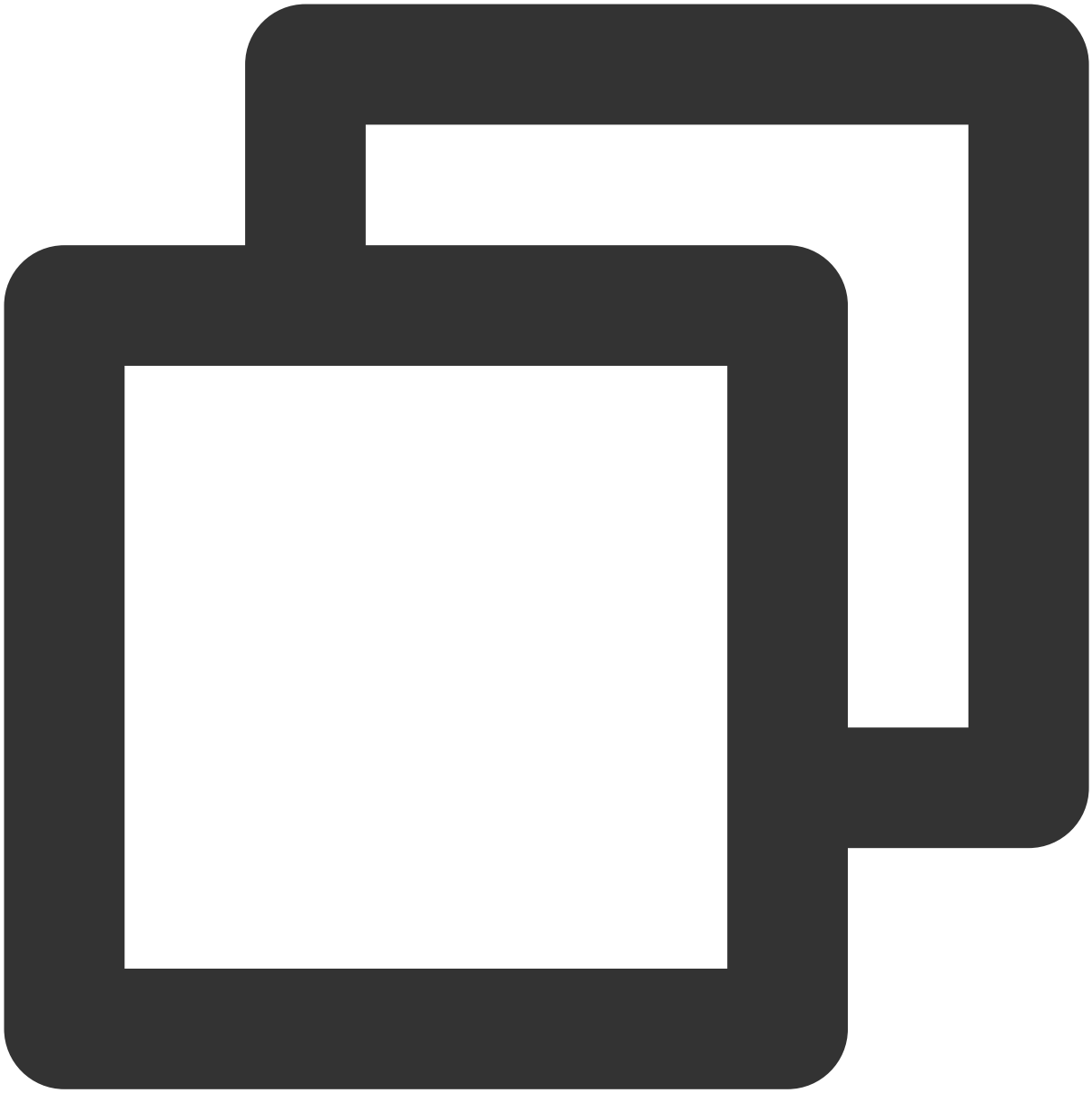

```
https://xxxxxx/v4/all_member_push/im_push?usersig=xxx&identifier=admin&sdkappid=888
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	Chinese mainland: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_push	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	The `SDKAppID` assigned by the IM console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Calling frequency

This API includes pushing to all and by attribute and tag. By default, it can be called 100 times every day. The interval between two pushes must be greater than one second.

Sample request

Pushing messages to all users

The admin pushes messages to all users and retains the messages offline for 120 seconds.

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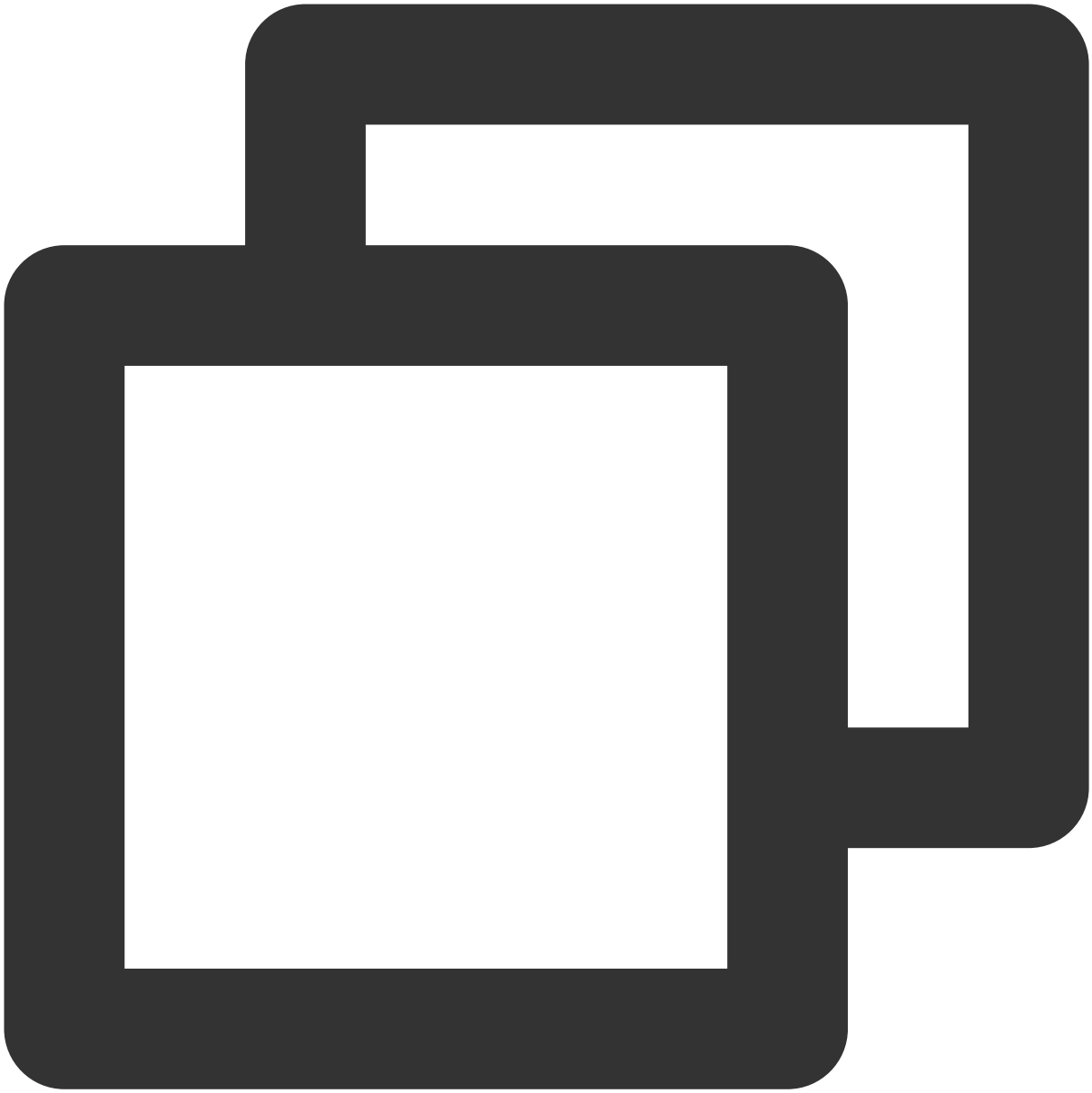

```
{
  "From_Account": "admin",
  "MsgRandom": 56512,
  "MsgLifeTime": 120,
  "MsgBody":[
      {
          "MsgType": "TIMTextElem",
          "MsgContent":{
              "Text": "hi, beauty"
          }
      }
```

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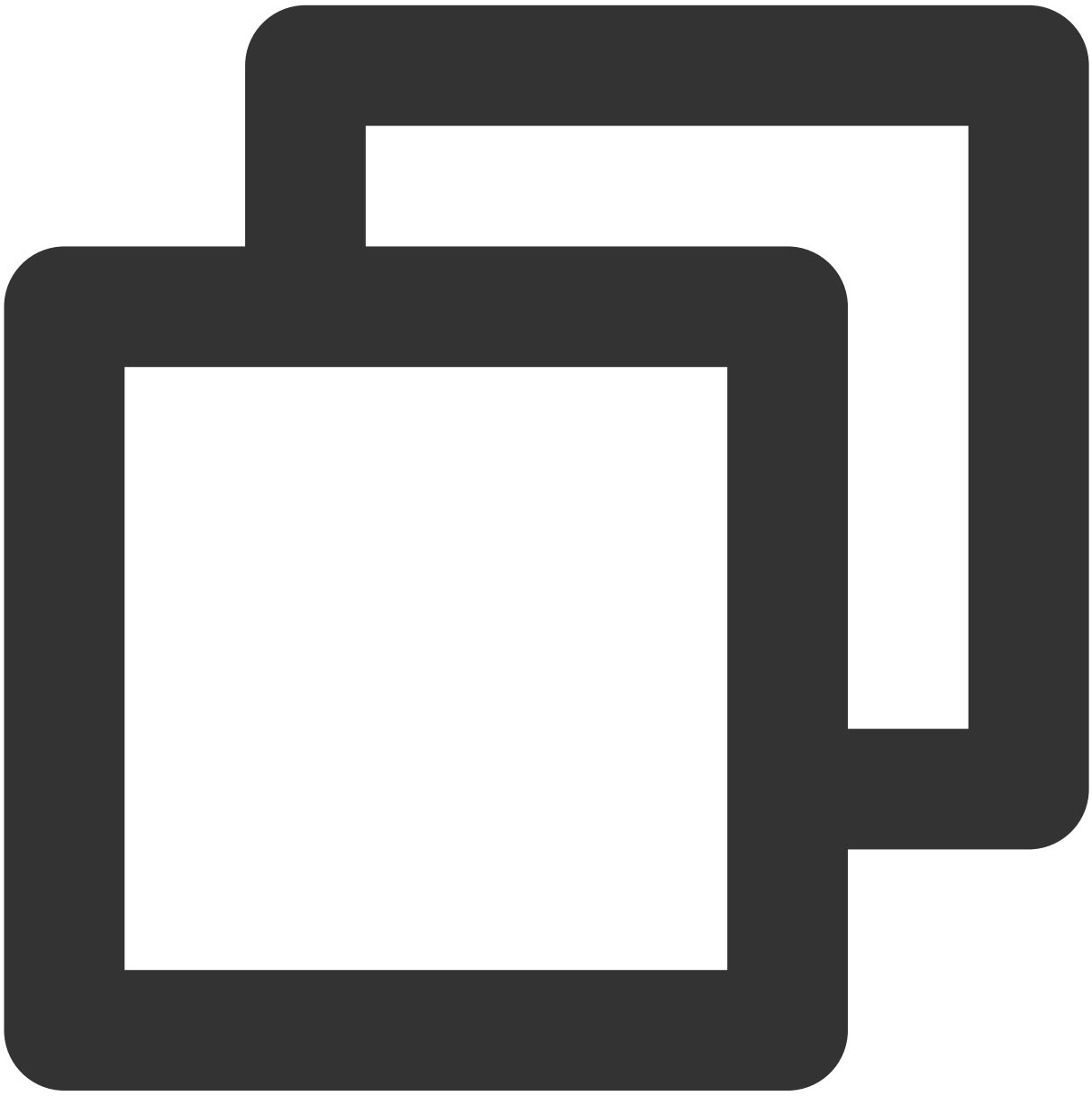
```
    ]
}
```

The admin specifies an account for pushing to all users and retains the messages offline for 120 seconds. In the sample, the sender account is `xiaoming` :



```
{
    "From_Account": "xiaoming",
    "MsgRandom": 3674128,
    "MsgLifeTime": 120,
    "MsgBody":[
```

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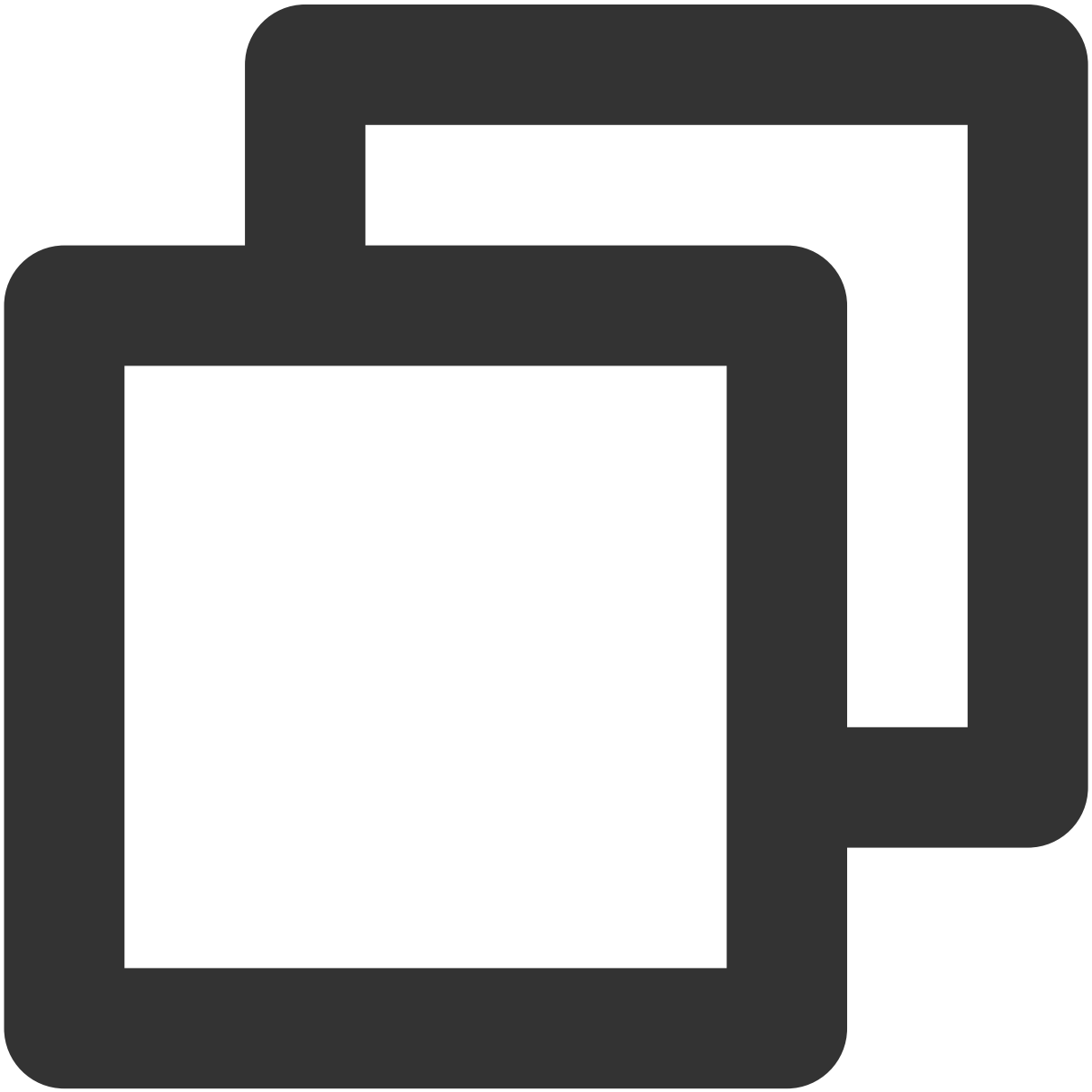
```
        {
            "MsgType": "TIMTextElem",
            "MsgContent":{
                "Text": "hi, beauty"
            }
        }
    ]
}
```

The admin specifies an account for pushing to all users, sets offline push information, and retains the messages offline for 120 seconds.



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```
{
  "From_Account": "xiaoming",
  "MsgRandom": 3674128,
  "MsgLifeTime": 120,
  "MsgBody":[
      {
          "MsgType": "TIMTextElem",
          "MsgContent":{
              "Text": "hi, beauty"
          }
      }
  ],
  "OfflinePushInfo": {
      "PushFlag": 0,
      "Desc": "Content to push offline",
      "Ext": "Passthrough content",
      "AndroidInfo": {
          "Sound": "android.mp3"
      },
      "ApnsInfo": {
          "Sound": "apns.mp3",
          "BadgeMode": 1, // If this field is left as default or is set to `0`, the
          "Title":"apns title", // APNs title
          "SubTitle":"apns subtitle", // APNs subtitle
          "Image":"www.image.com" // Image URL
      }
  }
}
```

The admin pushes messages to all users and retains the messages offline for 120 seconds.

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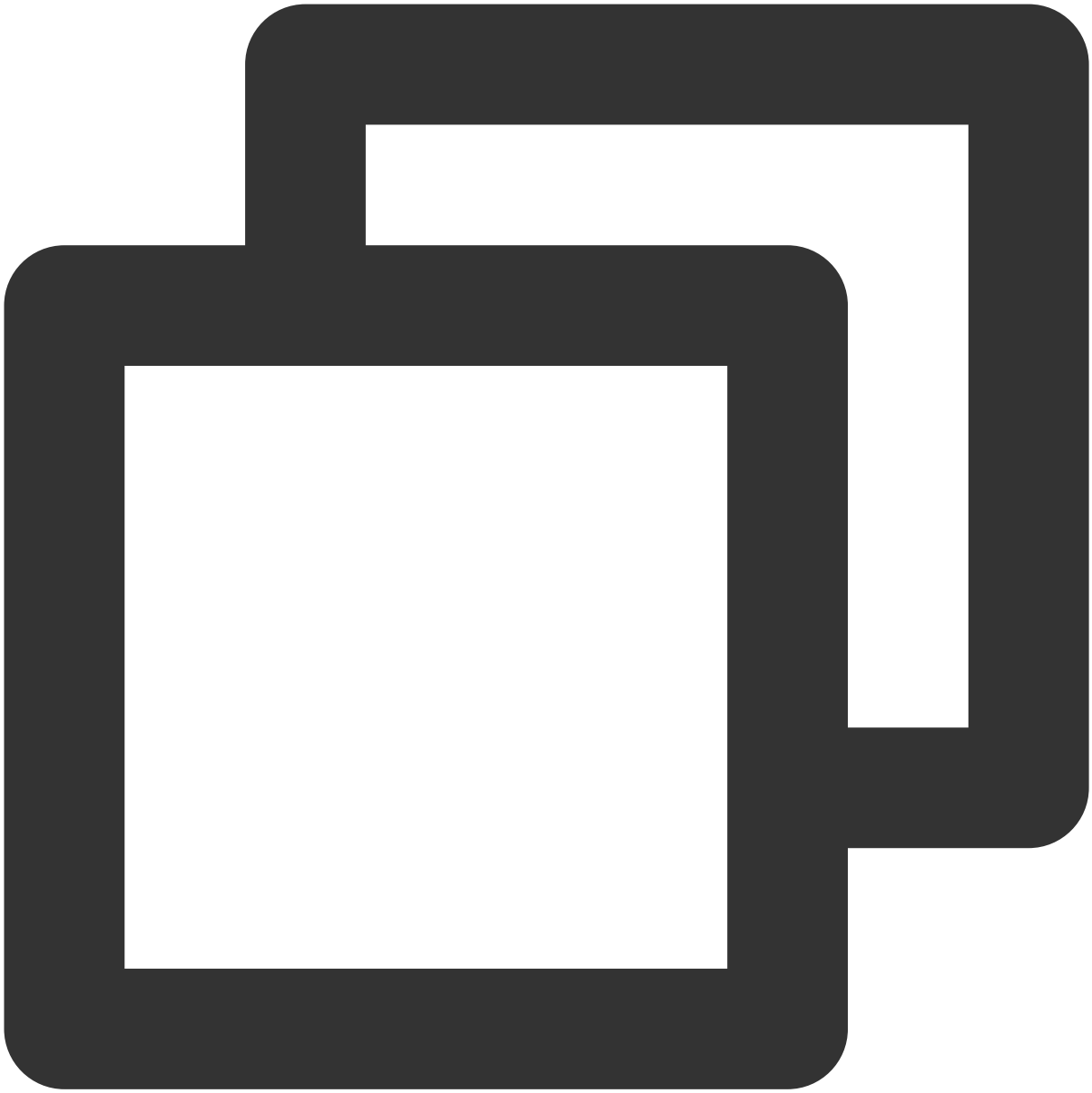

```
{
  "From_Account": "admin",
  "MsgRandom": 21302570,
  "MsgLifeTime": 120,
  "MsgBody":[
      {
          "MsgType": "TIMTextElem",
          "MsgContent":{
              "Text": "hi, beauty"
          }
      }
```

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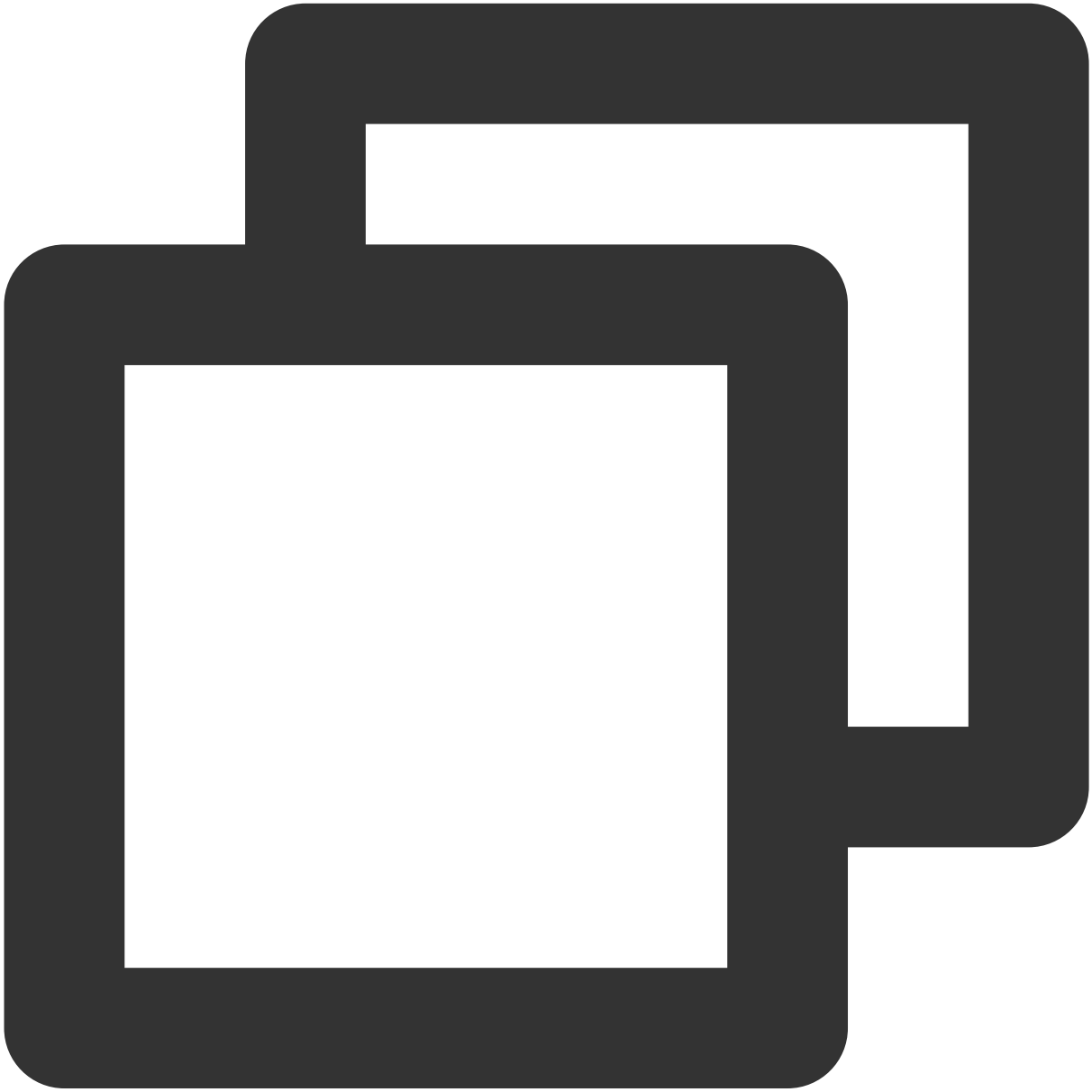
```
    ]
}
```

Pushing messages by user tag

The admin pushes messages to users tagged with "Stock A" and "Stock B" and retains the messages offline for 120 seconds.



```
{
    "From_Account": "admin",
    "MsgRandom": 214,
    "MsgLifeTime": 120,
```

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```
    "Condition":{
        "TagsAnd": ["Stock A","Stock B"]
    },
    "MsgBody":[
        {
            "MsgType": "TIMTextElem",
            "MsgContent":{
                "Text": "hi, beauty"
            }
        }
    ]
}
```

The admin pushes messages to users tagged with "Stock A" and "Stock B" and retains the messages offline for 120 seconds.

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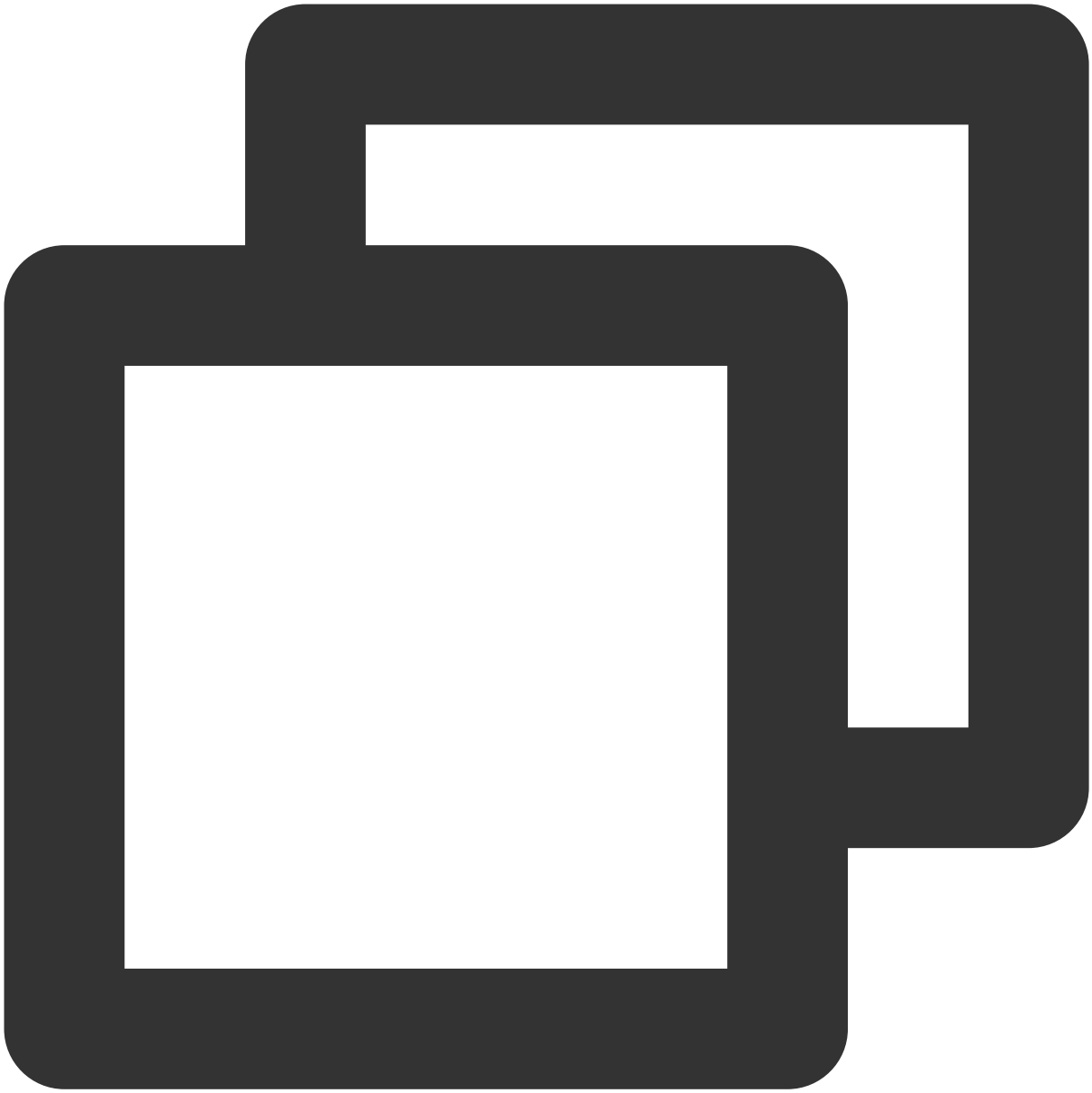

```
{
  "From_Account": "admin",
  "MsgRandom": 124032,
  "MsgLifeTime": 120,
  "Condition":{
      "TagsOr": ["Stock A","Stock B"]
  },
  "MsgBody":[
      {
          "MsgType": "TIMTextElem",
          "MsgContent":{
```

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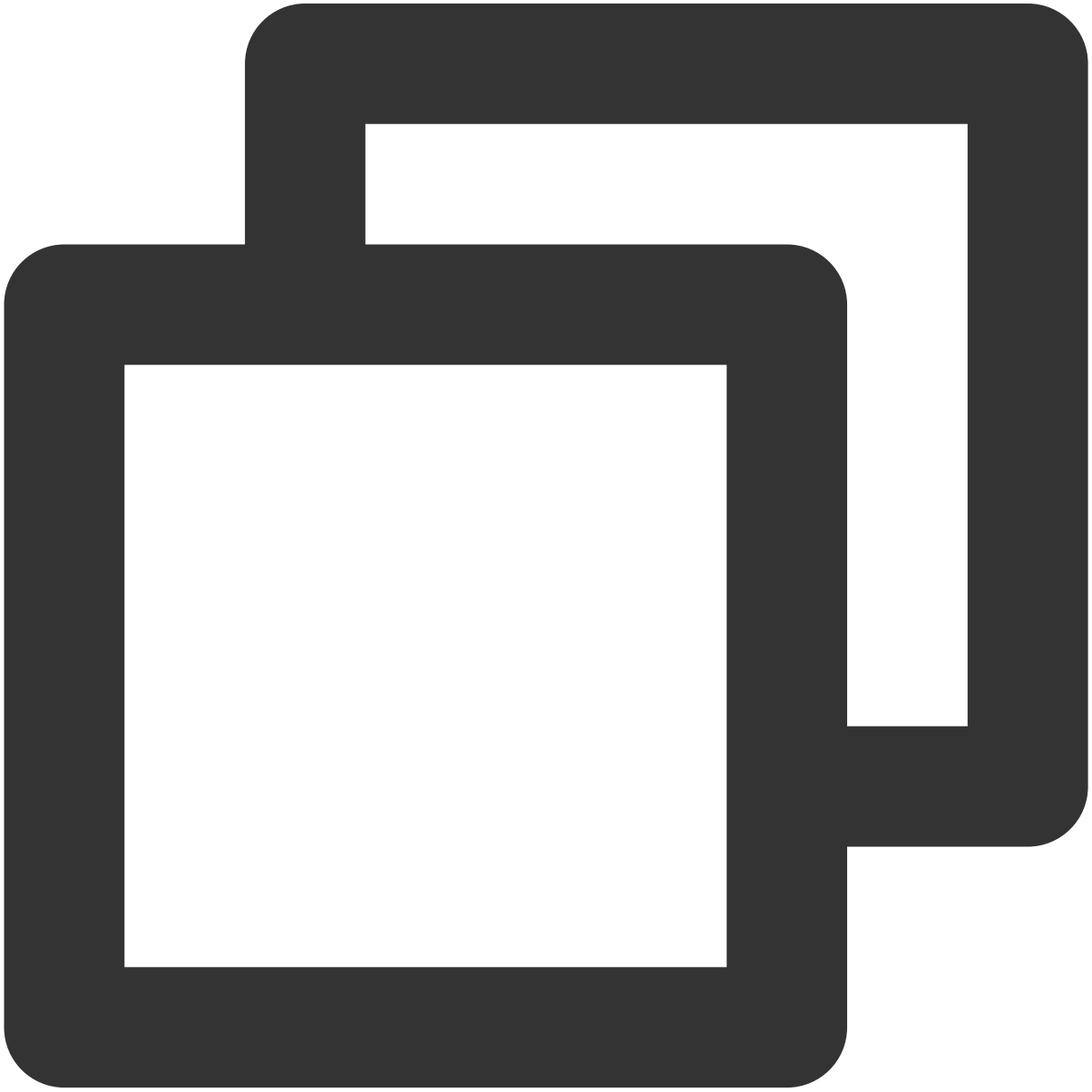
```
                "Text": "hi, beauty"
            }
        }
    ]
}
```

Pushing messages by user attribute

The admin pushes messages to Shenzhen Platinum Premier users and retains the messages offline for 120 seconds.



```
{
    "From_Account": "admin",
```

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```
    "MsgRandom": 389475,
    "MsgLifeTime": 120,
    "Condition":{
        "AttrsAnd": {
            "Membership Level": "Platinum Premier members",
            "city": "Shenzhen"
        }
    },
    "MsgBody":[
        {
            "MsgType": "TIMTextElem",
            "MsgContent":{
                "Text": "hi, beauty"
            }
        }
    ]
}
```

The admin pushes messages to Shenzhen Platinum Premier users and retains the messages offline for 120 seconds.

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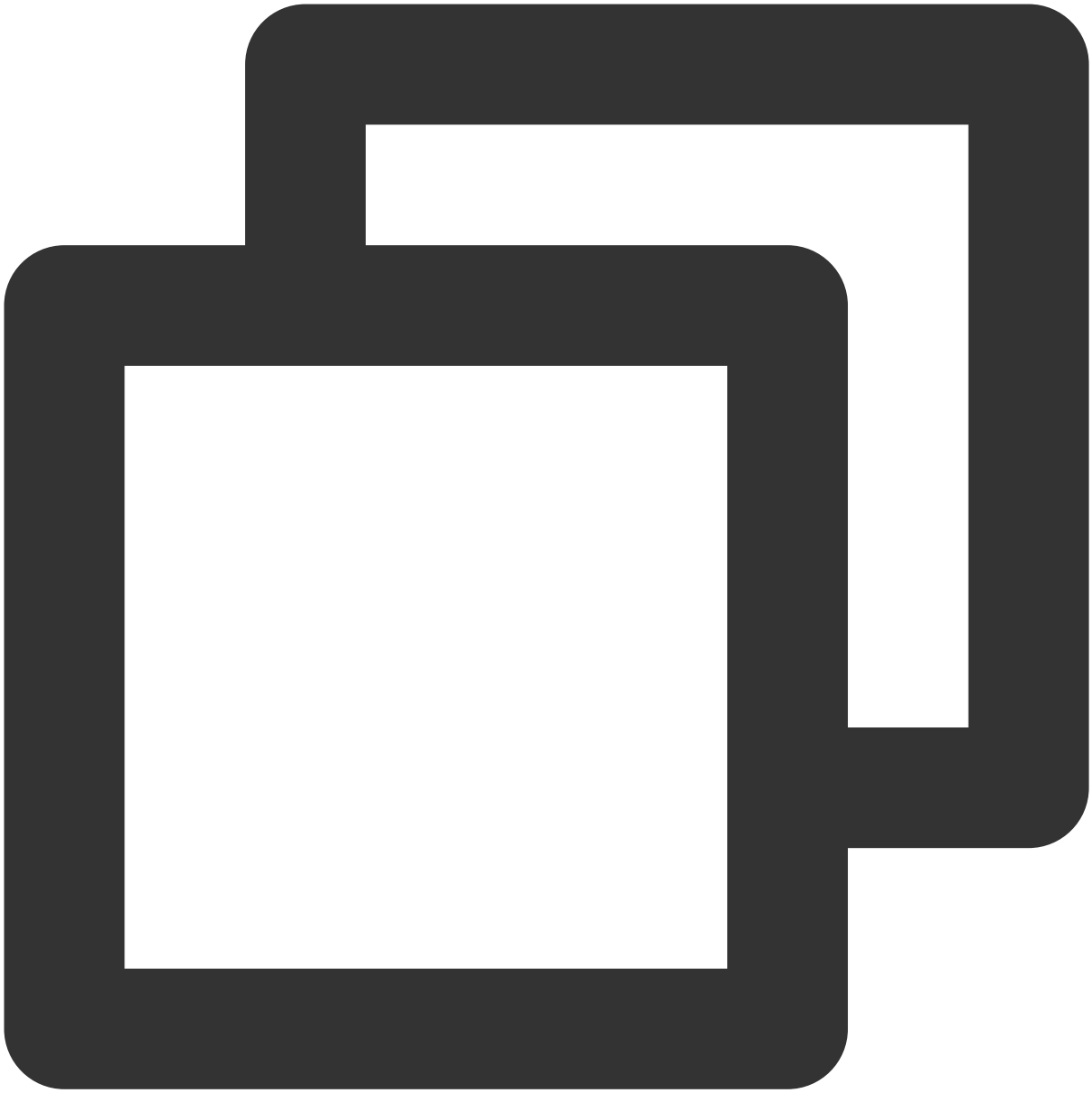

```
{
  "From_Account": "admin",
  "MsgRandom": 9312457,
  "MsgLifeTime": 120,
  "Condition":{
      "AttrsAnd": {
          "Membership Level": "Platinum Premier users",
          "city": "Shenzhen"
      }
  },
  "MsgBody":[
```

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```
        {
            "MsgType": "TIMTextElem",
            "MsgContent":{
                "Text": "hi, beauty"
            }
        }
    ]
}
```

Request fields

Field	Type	Attribute	Description
Condition	Object	Optional	Valid values: AttrsOr AttrsAnd TagsOr TagsAnd `AttrsOr` and `AttrsAnd` can coexist, and `TagsOr` and `TagsAnd` can coexist. However, tag conditions and attribute conditions cannot coexist. If no condition is specified, messages are pushed to all users.
MsgRandom	Integer	Required	Random number (32-bit unsigned integer) of the message. It is used by the backend for message deduplication within a second. Make sure a random number is entered.
MsgBody	Array	Required	Message body. For more information on the message format, see Message Formats. Note that `MsgBody` is an array that can contain multiple message elements.
MsgType	String	Required	TIM message object type. Valid values: `TIMTextElem` (text message) `TIMLocationElem` (location message) `TIMFaceElem` (emoji message) `TIMCustomElem` (custom message) `TIMSoundElem` (voice message) `TIMImageElem` (image message) `TIMFileElem` (file message) `TIMVideoFileElem` (video message)
MsgContent	Object	Required	Different message object types (`MsgType`) have different formats (`MsgContent`). For more information, see the **Message Element TIMMsgElement** section in Message Formats.
MsgLifeTime	Integer	Optional	Offline message storage duration, in seconds. The maximum

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			duration is 604,800 seconds (7 days). The default value is 0, which indicates that messages are not stored offline and will be pushed only to online users.
From_Account	String	Optional	Account of the message sender
AttrsOr	Object	Optional	A set of attribute conditions connected by OR. Note that attribute conditions and tag conditions cannot be used at the same time.
AttrsAnd	Object	Optional	A set of attribute conditions connected by AND. Note that attribute conditions and tag conditions cannot be used at the same time.
TagsOr	Array	Optional	Union of tag conditions. A tag is a string of up to 50 bytes. Note that attribute conditions and tag conditions cannot be used at the same time. The `TagsOr` condition can contain up to ten tags.
TagsAnd	Array	Optional	Intersection of tag conditions. A tag is a string of up to 50 bytes. Note that attribute conditions and tag conditions cannot be used at the same time. The `TagsAnd` condition can contain up to ten tags.
OfflinePushInfo	Object	Optional	The information to be pushed offline. For more information, see Message Formats.

Sample response

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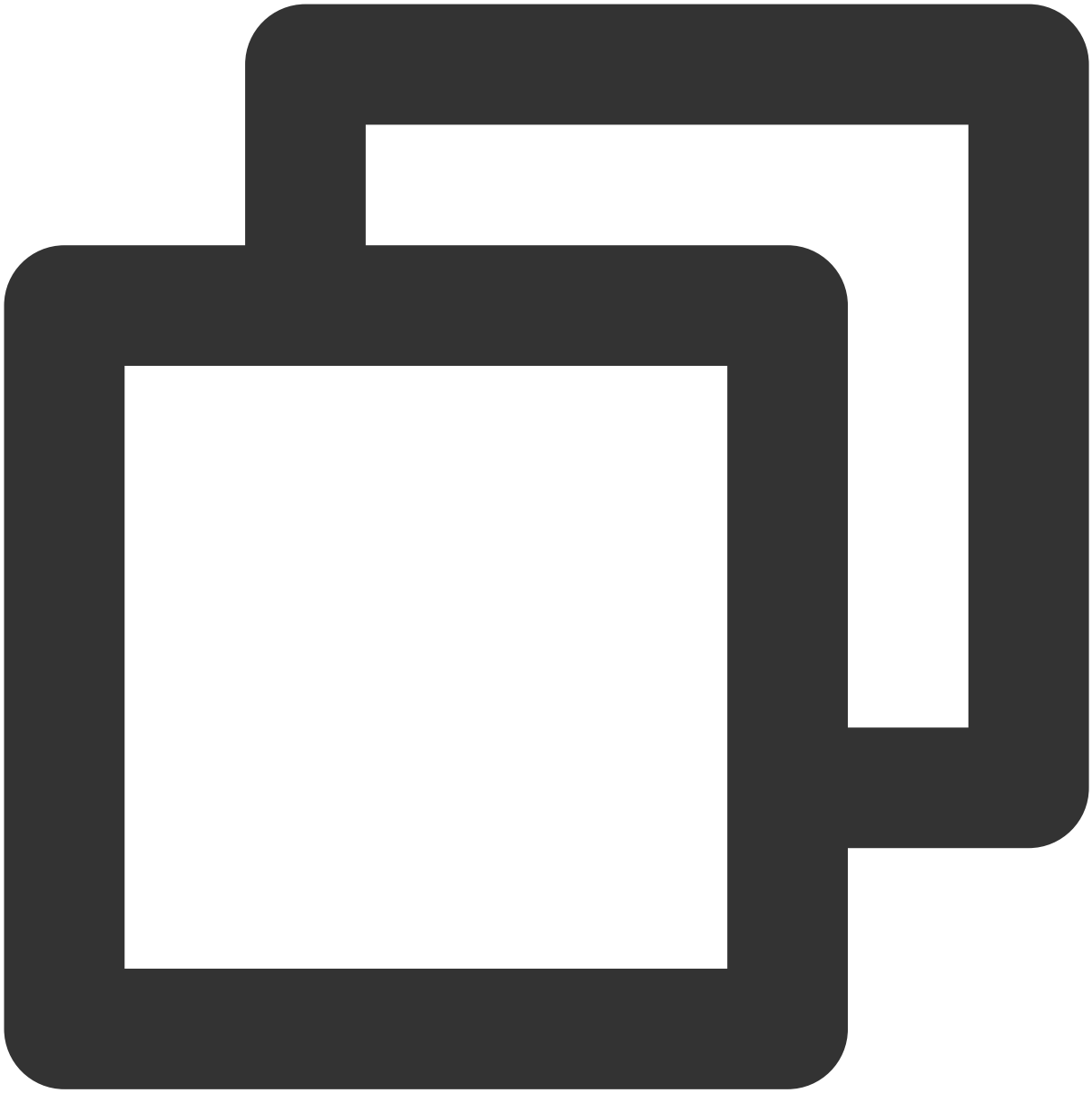

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TaskId": "1400123456_144115212910570789_4155518400_15723514"
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error message
TaskId	String	Push task ID

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error message.** For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90002	The `MsgBody` field in the JSON request does not meet message format requirements or it is not an array. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90005	The `MsgRandom` field is missing in the JSON request or it is not an integer.
90007	The `MsgBody` field in the JSON request is not an array. Change it to an array.
90009	The request requires app admin permissions.
90010	The JSON request does not meet message format requirements. For more information, see the **Message Element TIMMsgElement** section in Message Formats.
90020	The tag length exceeds the limit (the maximum length allowed is 50 bytes).
90022	`TagsOr` and `TagsAnd` in the push conditions contain repeated tags.
90024	Pushes are too frequent. The interval between two pushes must be greater than 1 second.
90026	Incorrect offline message storage period. The value cannot exceed 7 days.
90032	The number of tags in the push conditions exceeds 10, or the number of tags in the tag adding request exceeds 10.
90033	Invalid attribute.

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90039	Message push by attribute and message push by tag are mutually exclusive.
90040	A tag in the push conditions is null.
90045	The feature of pushing to all users is not enabled.
90047	The number of pushes exceeds the daily quota (default quota: 100).
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags
Deleting User Tags
Deleting All Tags of a User

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Setting Application Attribute Names

Last updated：2024-07-16 10:41:26

Feature Overview

You can set a maximum of 10 custom user attributes for each app. This API is used to set the name of each attribute. After you set attribute names, they can be used for push by user attribute and other purposes.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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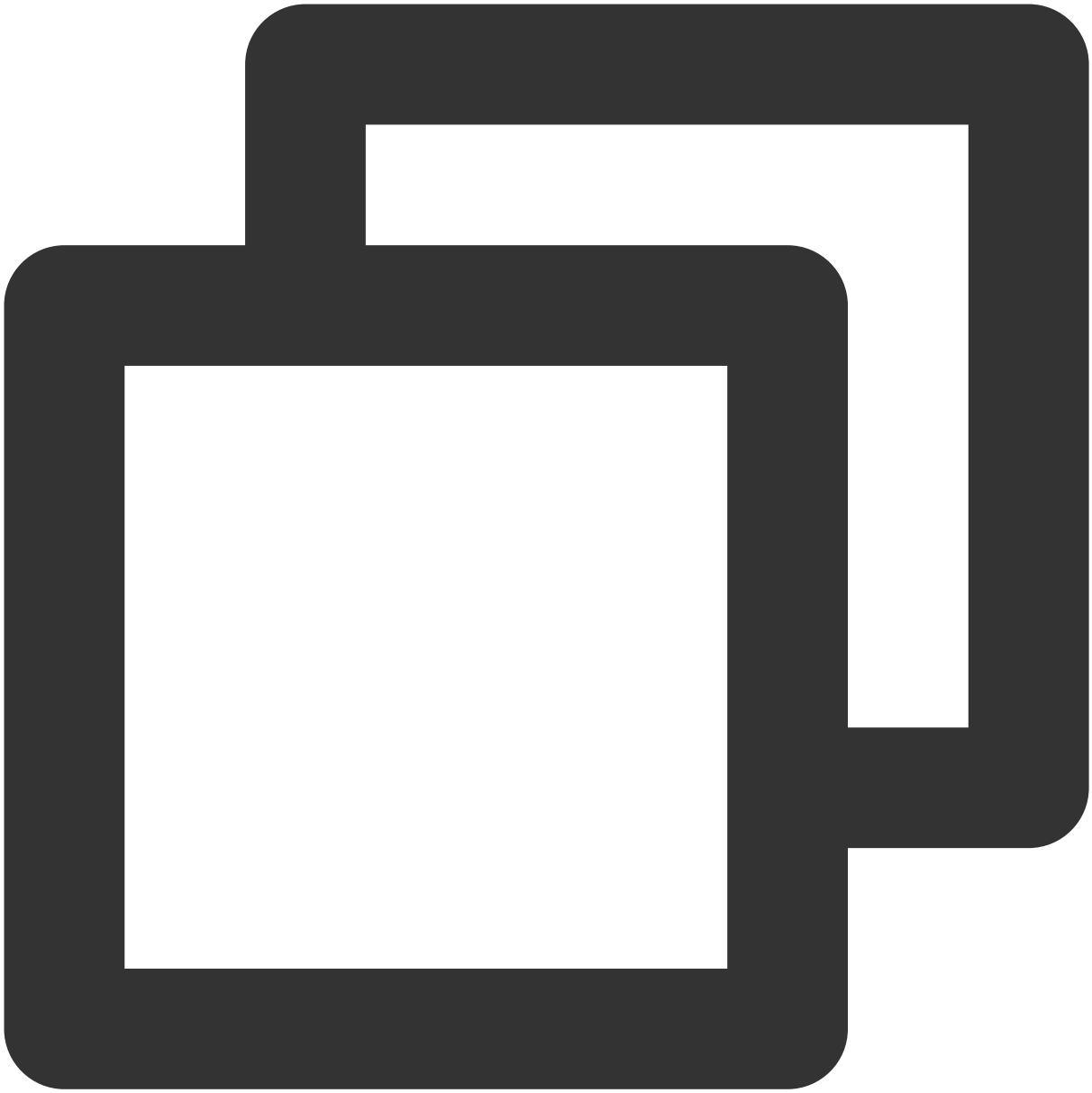

```
https://xxxxxx/v4/all_member_push/im_set_attr_name?usersig=xxx&identifier=admin&sdk
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_set_attr_name	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

Set attribute `0` of the app to `sex` , attribute `1` to `city` , and attribute `2` to `country` .

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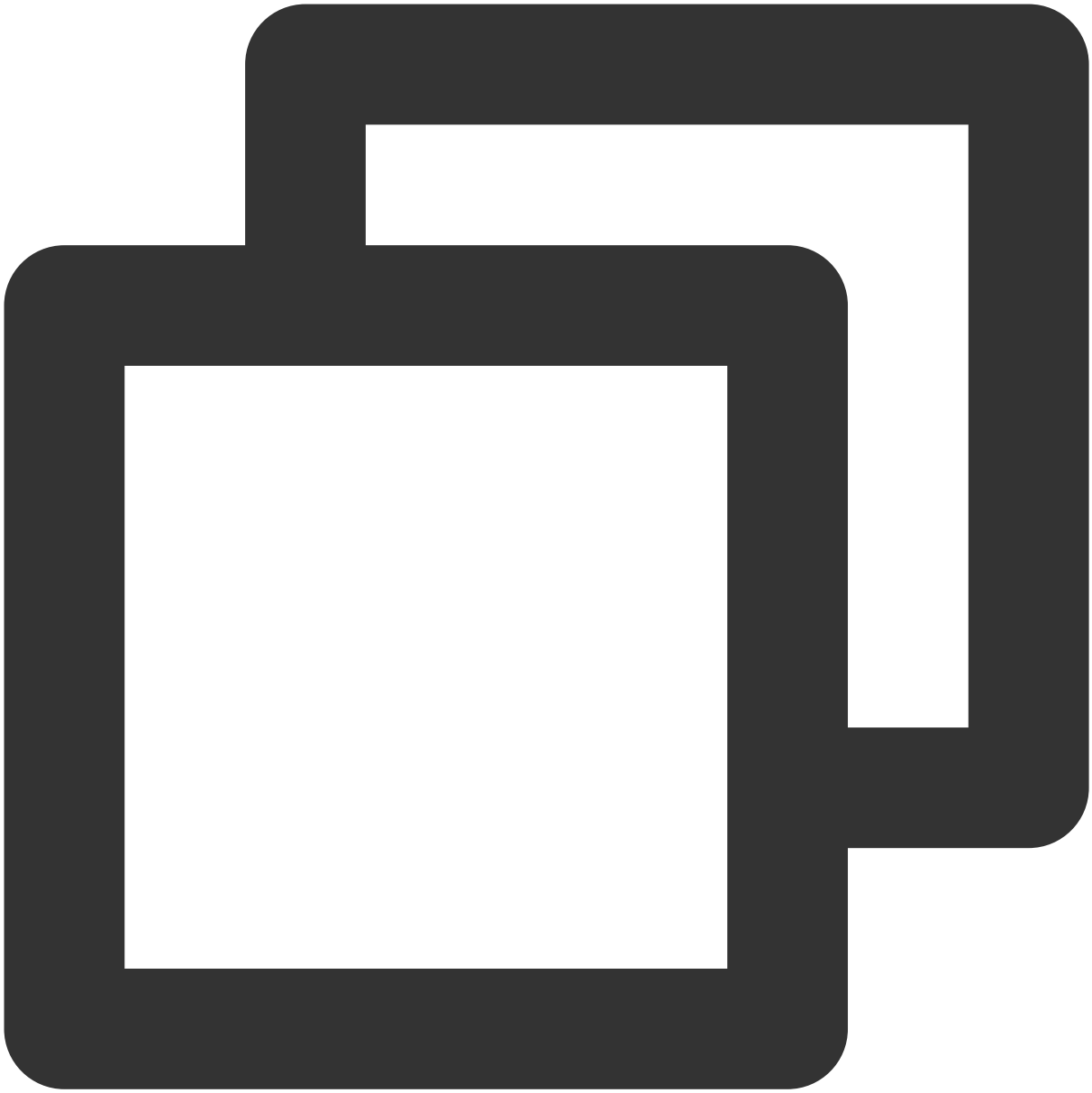

```
{
    "AttrNames": {
        "0": "sex",
        "1": "city",
        "2": "country"
    }
}
```

Request fields

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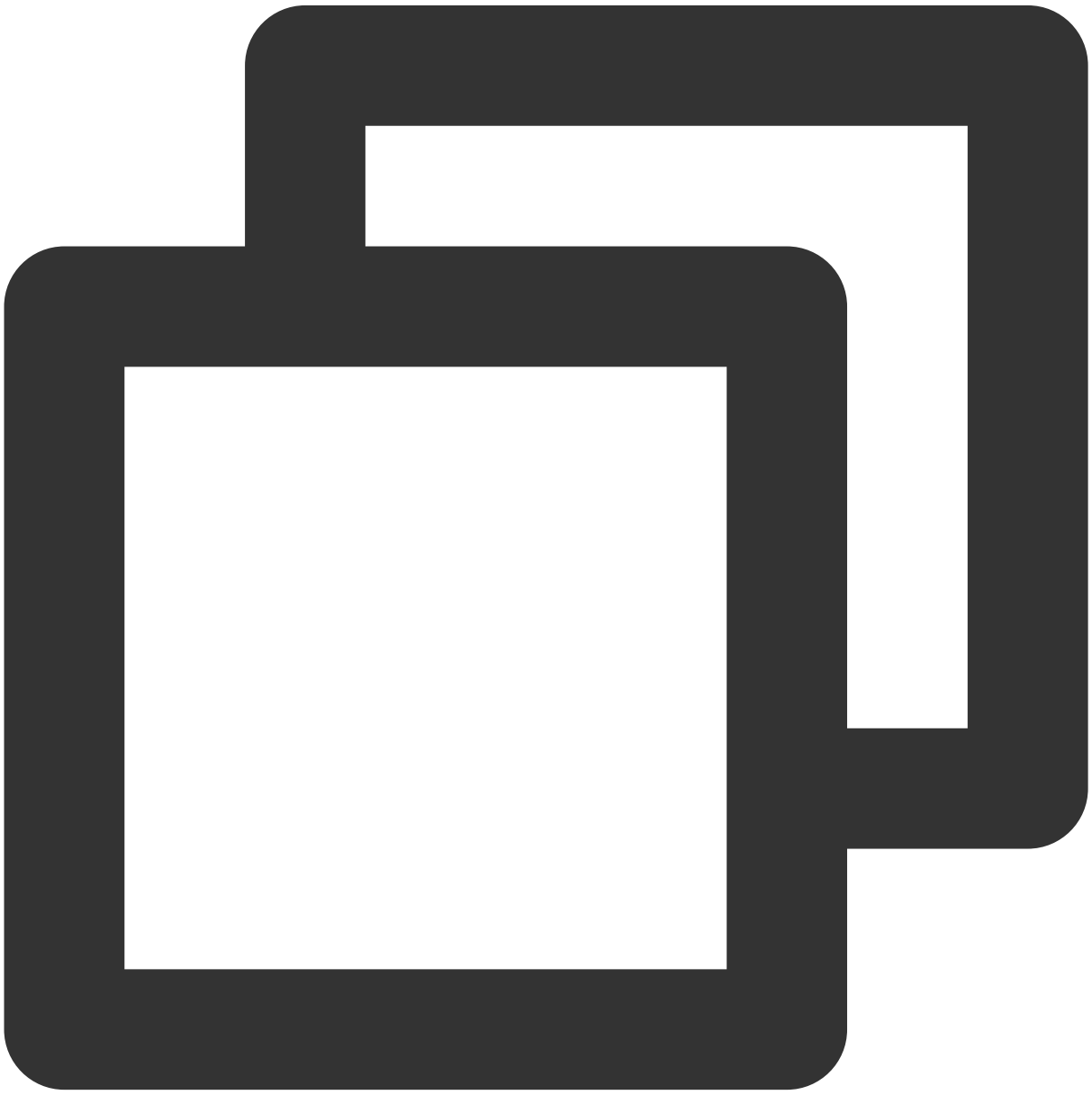
Field	Type	Required	Description
Digital key	String	Yes	Attribute number (0 to 9).
Attribute name	String	Yes	The attribute name cannot exceed the length limit of 50 bytes. An app can have a maximum of 10 push attributes (numbered from 0 to 9), and users can customize the meaning of each attribute.

Sample response



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```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users

Pushing to All Users

Getting Application Attribute Names

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Setting User Attributes
Deleting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags
Deleting User Tags
Deleting All Tags of a User

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Getting Application Attribute Names

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to get application attribute names. Before calling this API, you need to set application attribute names.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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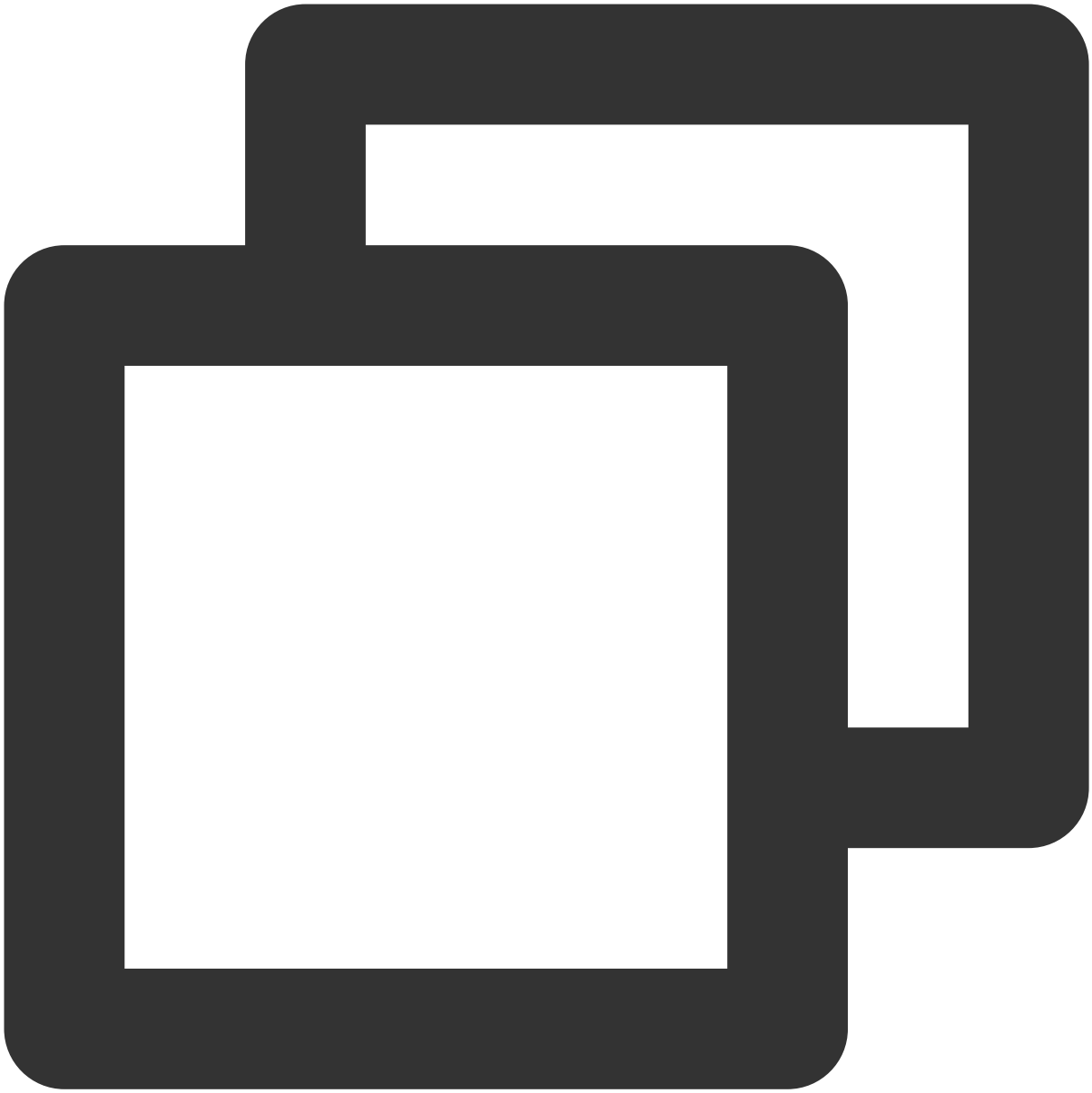

```
https://xxxxxx/v4/all_member_push/im_get_attr_name?usersig=xxx&identifier=admin&sdk
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_get_attr_name	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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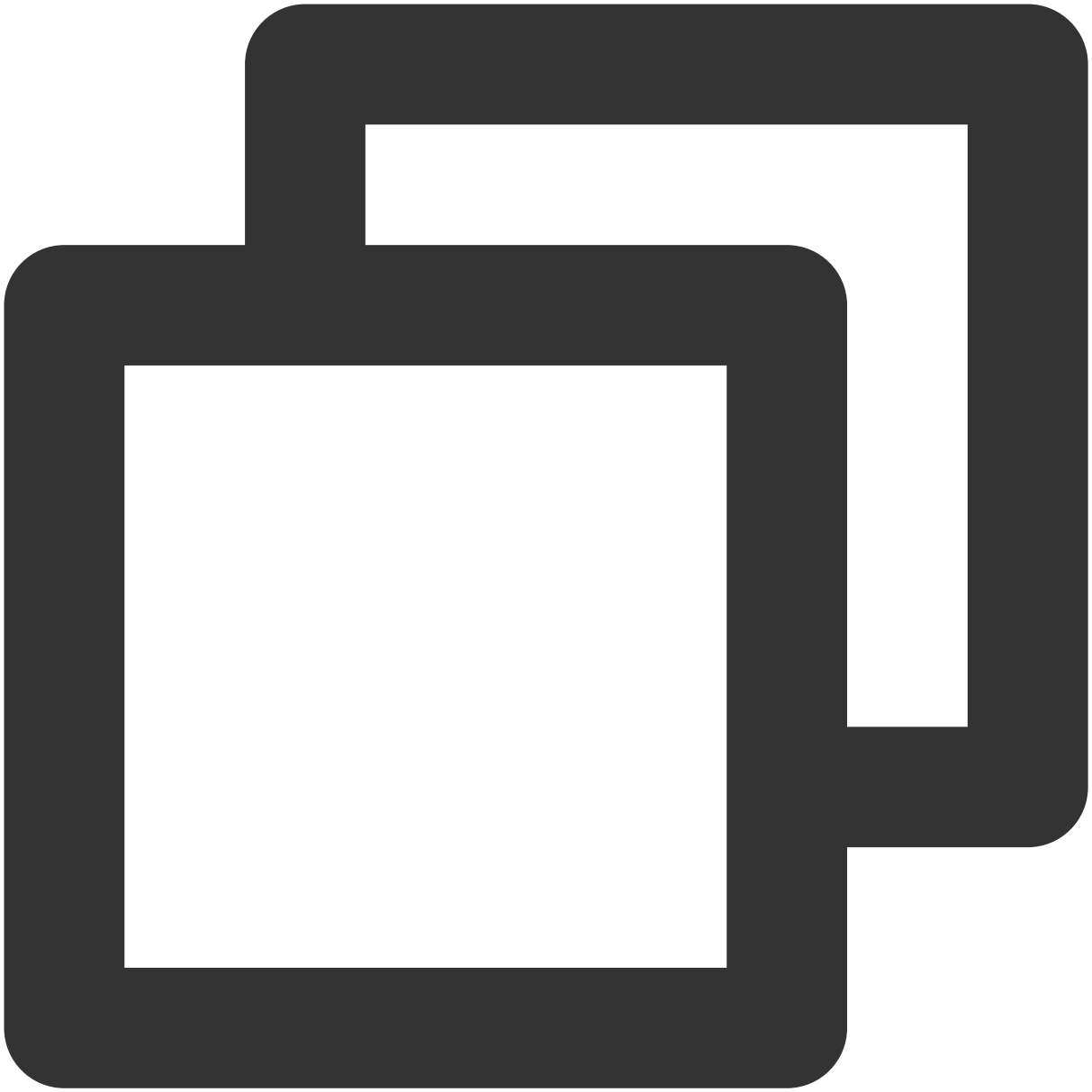

```
{}
```

Request fields

None.

Sample response

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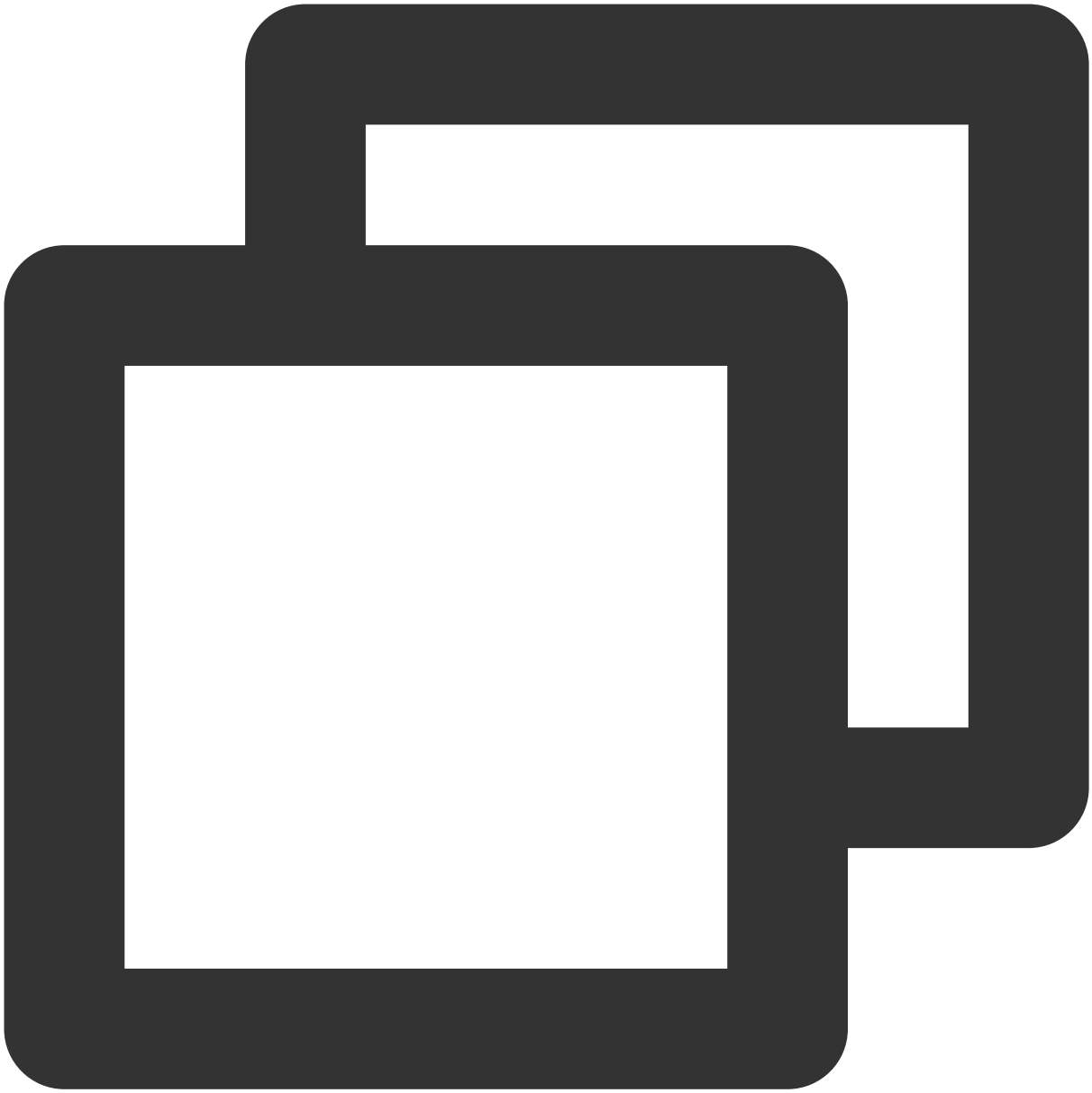

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "AttrNames": {
        "0": "sex",
        "1": "city",
        "2": "Membership level"
    }
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information
AttrNames	Object	A series of "key:value" pairs. Each "key:value" pair indicates the name of the corresponding attribute. For example, "0":"xxx" indicates that the name of attribute 0 is xxx.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users

Pushing to All Users

Setting Application Attribute Names

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Setting User Attributes
Deleting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags
Deleting User Tags
Deleting All Tags of a User

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Getting User Attributes

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used to obtain user attributes. To call this API, you must use the admin account. You can obtain a maximum of 100 users' attributes at a time. You need to set app attribute names before calling the API.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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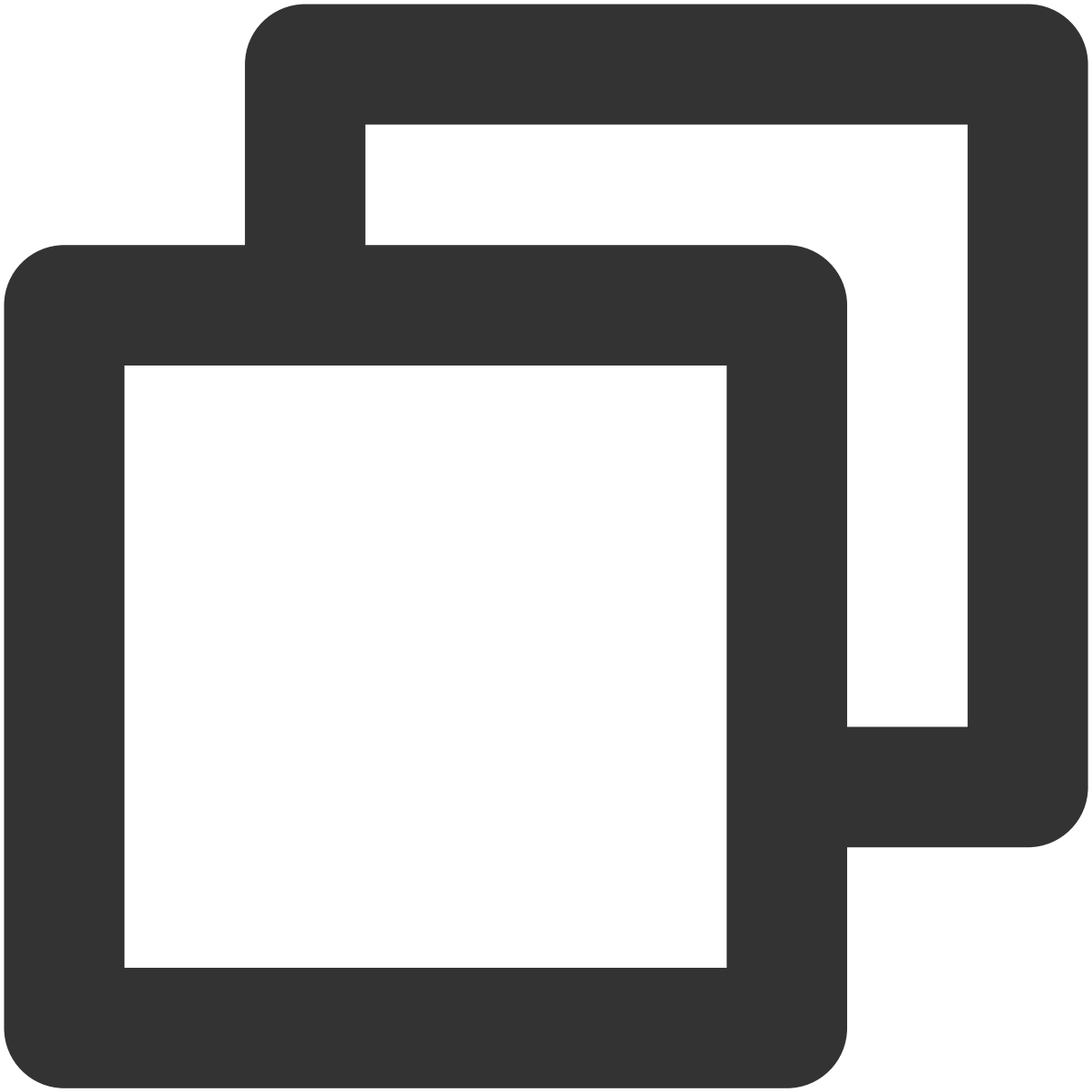

```
https://xxxxxx/v4/all_member_push/im_get_attr?usersig=xxx&identifier=admin&sdkappid
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_get_attr	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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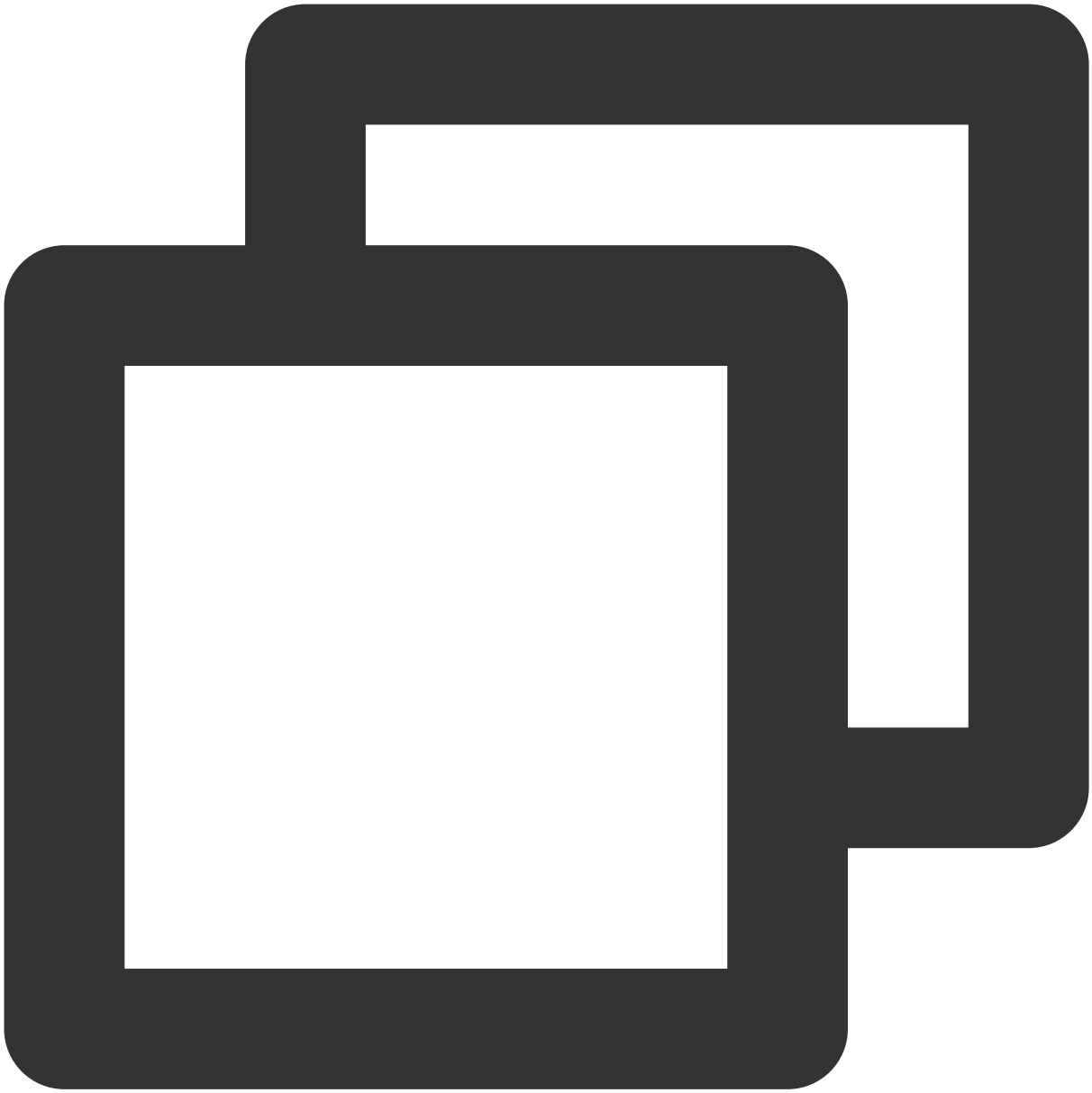

```
{
    "To_Account": [
        "Zhang Xiaohong",
        "Chen Xiaoming",
        "abc"
    ]
}
```

Request fields

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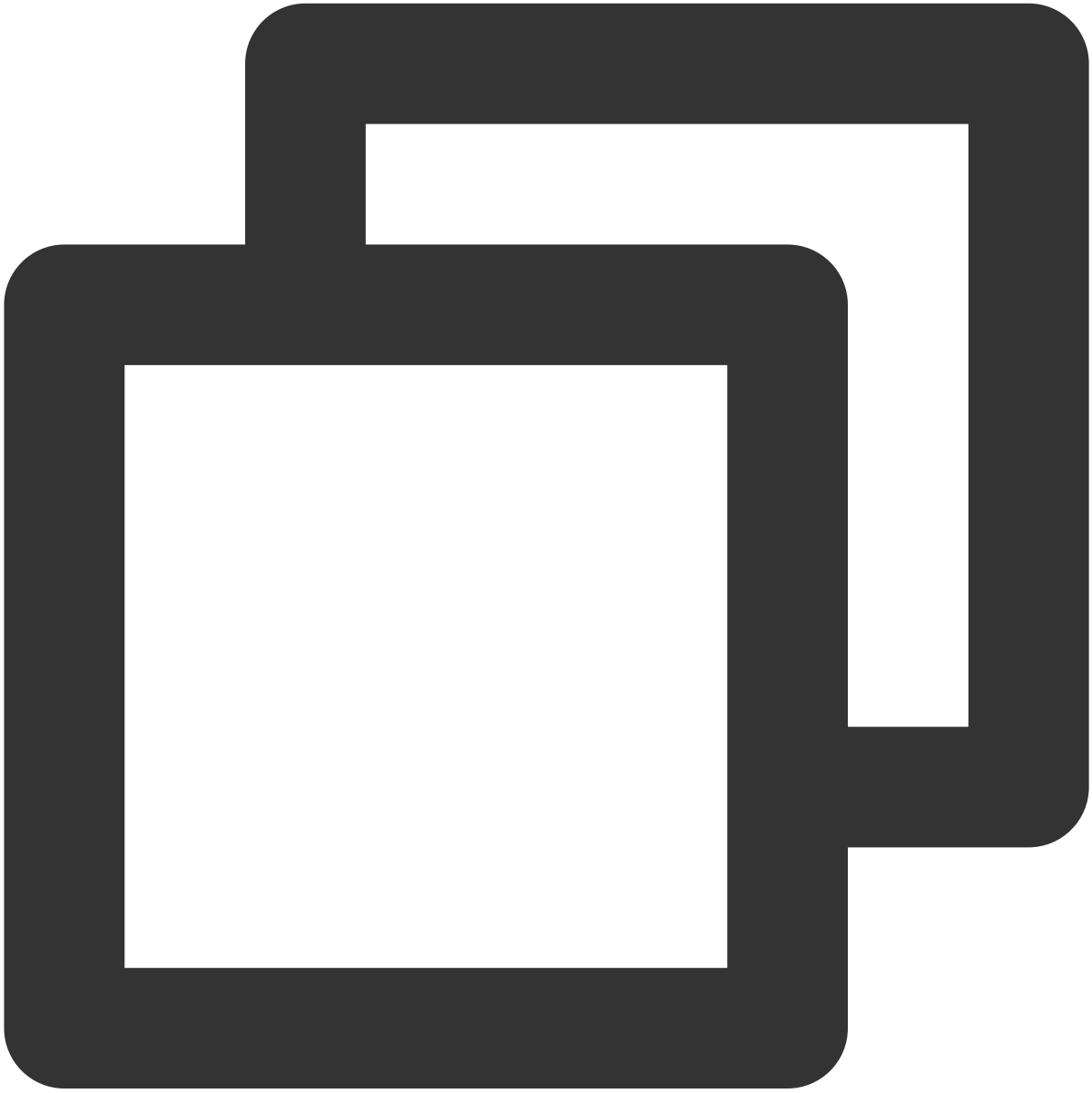
Field	Type	Required	Description
To_Account	Array	Yes	List of target user accounts

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
```

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```
    "UserAttrs": [
        {
            "To_Account": "Zhang Xiaohong",
            "Attrs": {
                "sex" : "Female",
                "city": "New York"
            }
        },
        {
            "To_Account": "abc",
            "Attrs": {}
        },
        {
            "To_Account": "Chen Xiaoming",
            "Attrs": {
                "sex": "M",
                "city": "Shenzhen"
            }
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information
UserAttrs	Array	List of user tags
To_Account	String	User account
Attrs	Object	Attribute content

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

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Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes
Adding User Tags
Getting User Tags
Deleting User Tags
Deleting All Tags of a User

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Setting User Attributes

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to set attributes for users. Each request can set attributes for a maximum of 100 users. Before using this API, be sure to set app attribute names.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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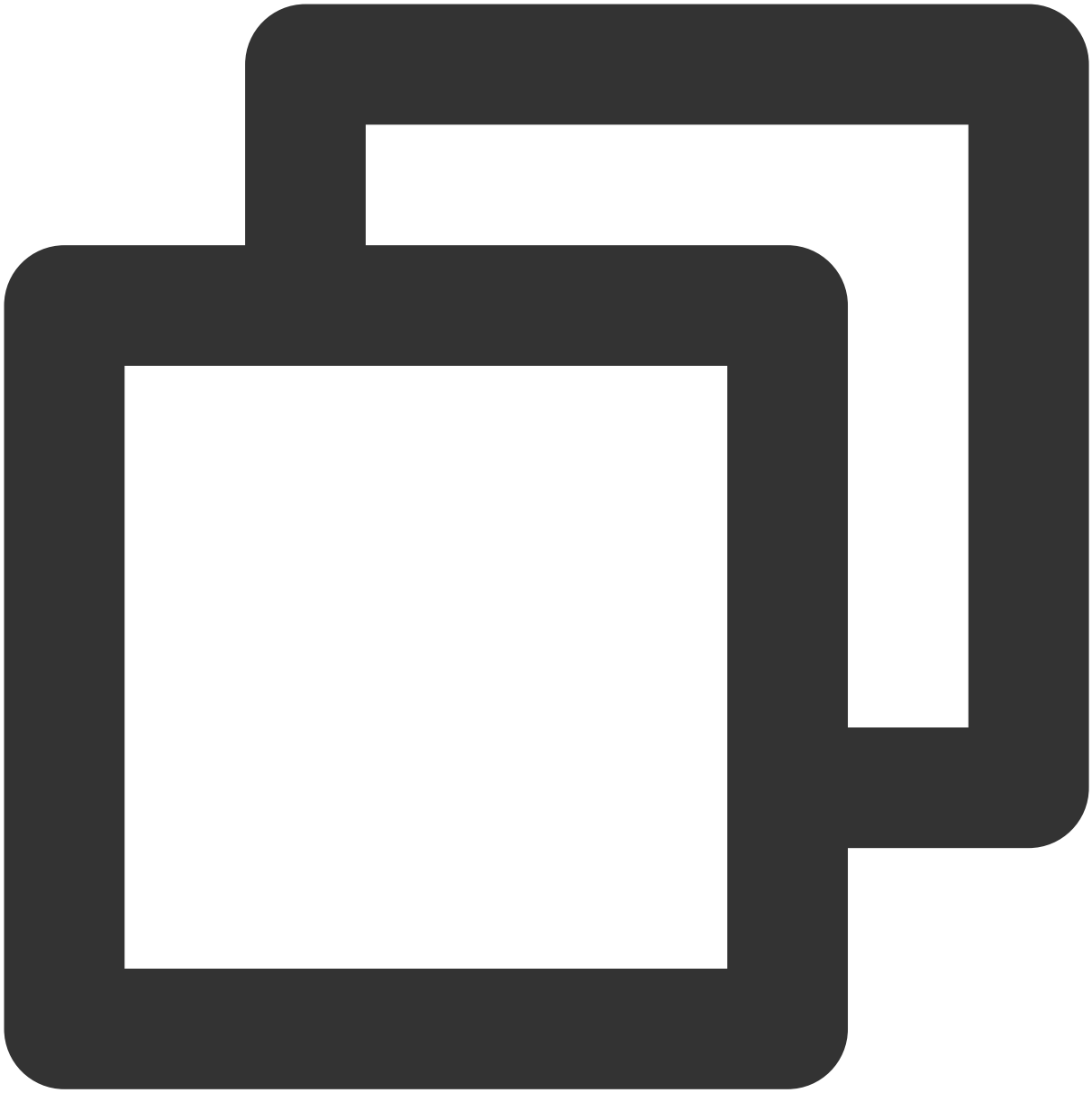

```
https://xxxxxx/v4/all_member_push/im_set_attr?usersig=xxx&identifier=admin&sdkappid
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_set_attr	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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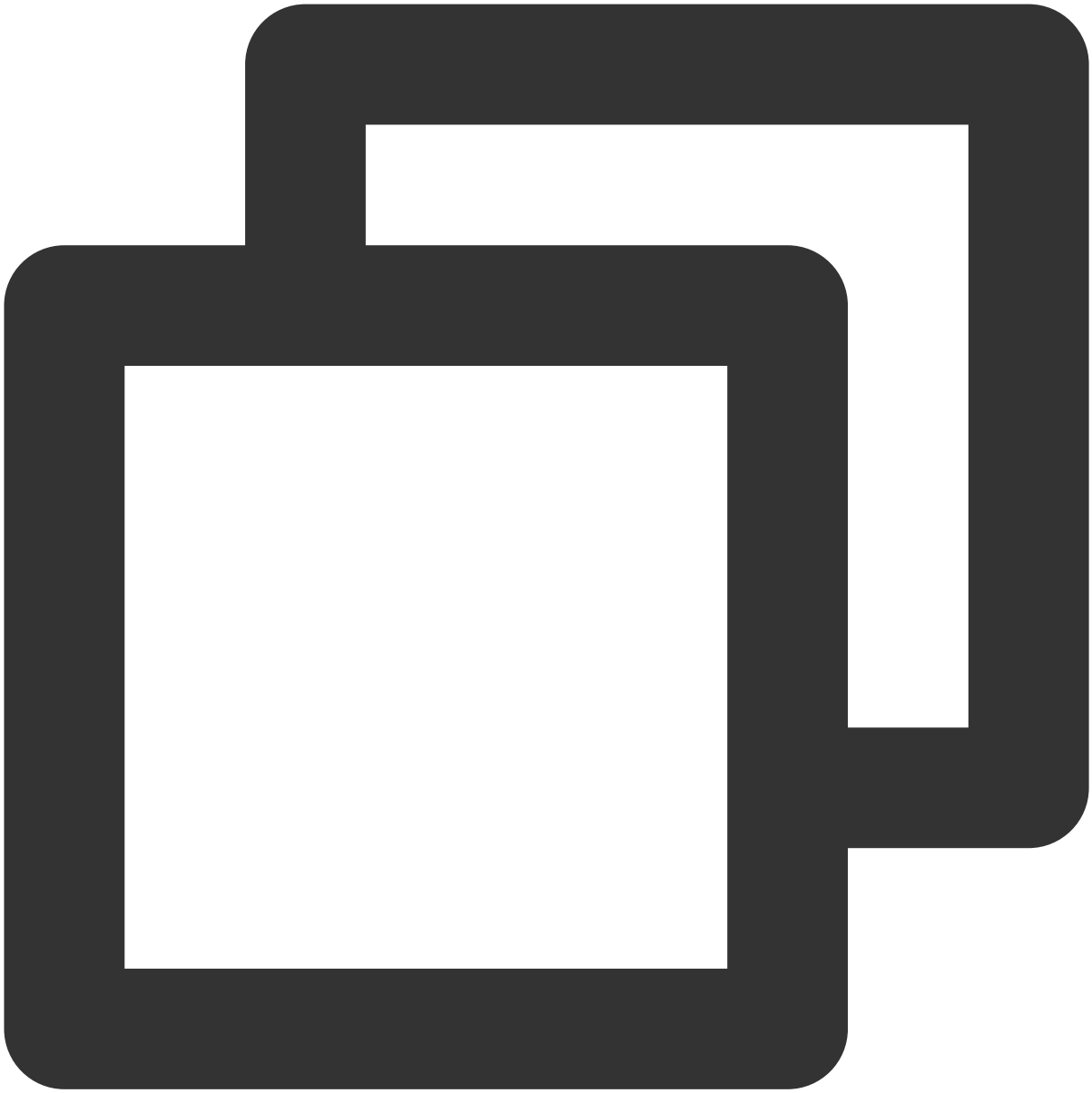

```
{
    "UserAttrs":
    [
        {
            "To_Account": "xiaojun012",
            "Attrs": {
                "sex": "attr1",
                "city": "attr2"
            }
        },
        {
```

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```
            "To_Account": "xiaojun013",
            "Attrs": {
                "city": "attr3",
                "sex": "attr4"
            }
        }
    ]
}
```

Request fields

Field	Type	Required	Description
To_Account	String	Yes	Target user account
Attrs	Object	Yes	Attribute set. Each attribute is a key-value pair, with the key being the attribute name and the value being the user's corresponding attribute value. A user attribute value cannot exceed 50 bytes.

Sample response

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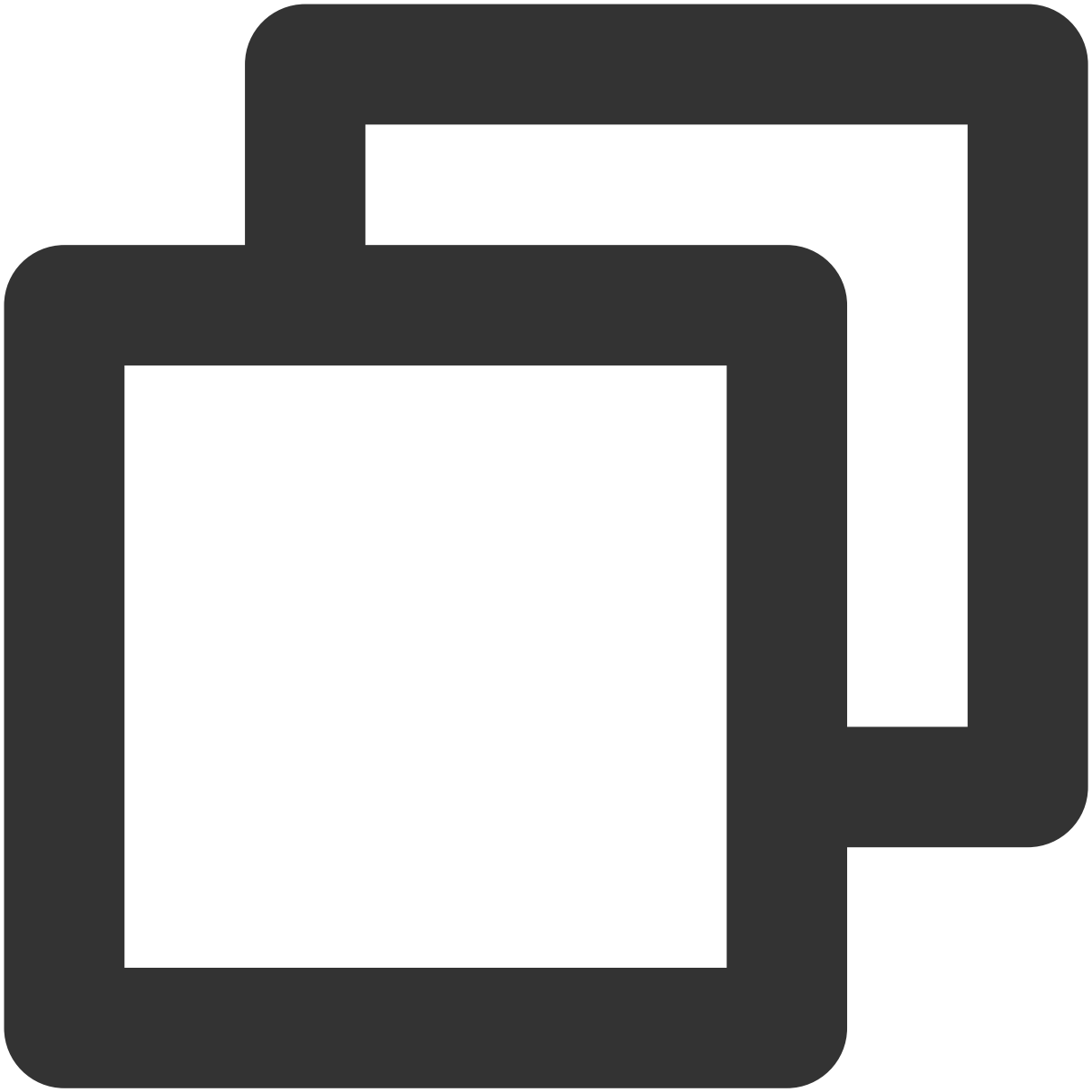

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
90033	Invalid attribute.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Deleting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags

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Deleting User Tags
Deleting All Tags of a User

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Deleting User Attributes

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to delete attributes for users. Each request can delete attributes for a maximum of 100 users. Before using this API, be sure to set app attribute names.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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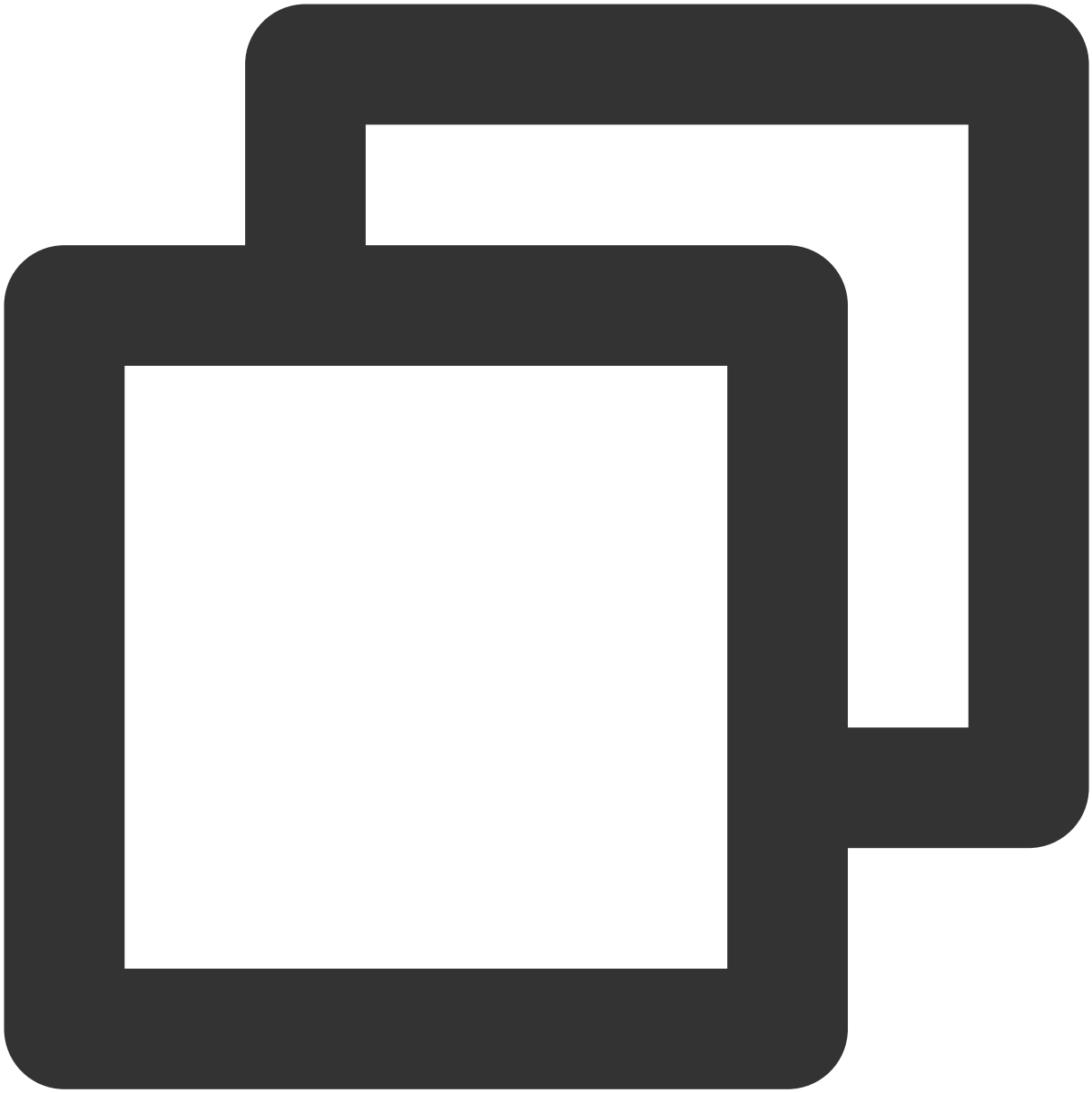

```
https://xxxxxx/v4/all_member_push/im_remove_attr?usersig=xxx&identifier=admin&sdkap
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_remove_attr	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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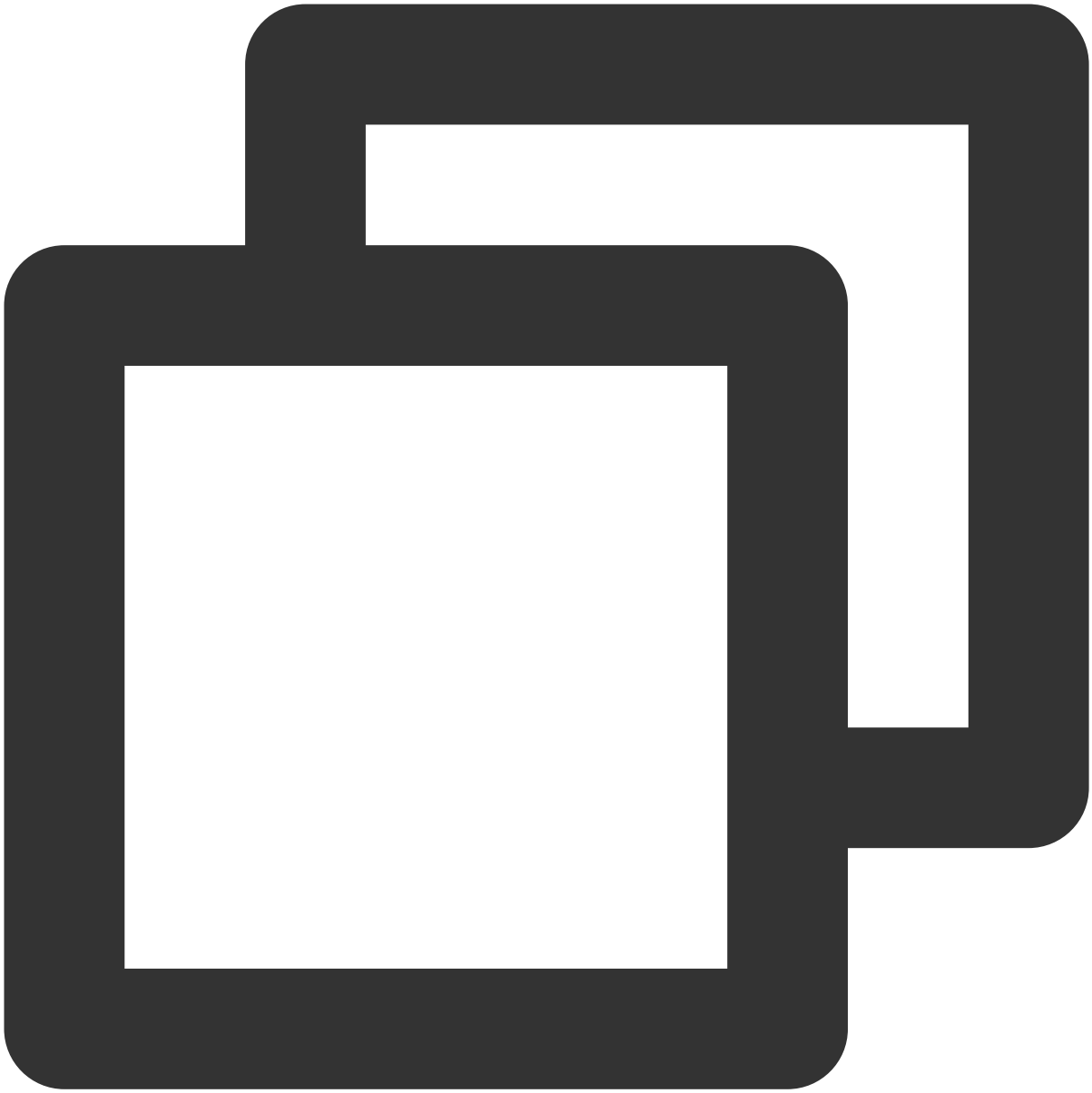

```
{
    "UserAttrs": [
        {
            "To_Account": "xiaojun013",
            "Attrs": [
                "sex",
                "city"
            ]
        },
        {
            "To_Account": "xiaojun012",
```

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```
            "Attrs": [
                "sex",
                "city"
            ]
        }
    ]
}
```

Request fields

Field	Type	Required	Description
To_Account	String	Yes	Target user account
Attrs	Array	Yes	Tag set. Note that you only need to specify the attribute names here. For more information on the format and meanings of `Attrs` , see Setting Application Attribute Names.

Sample response

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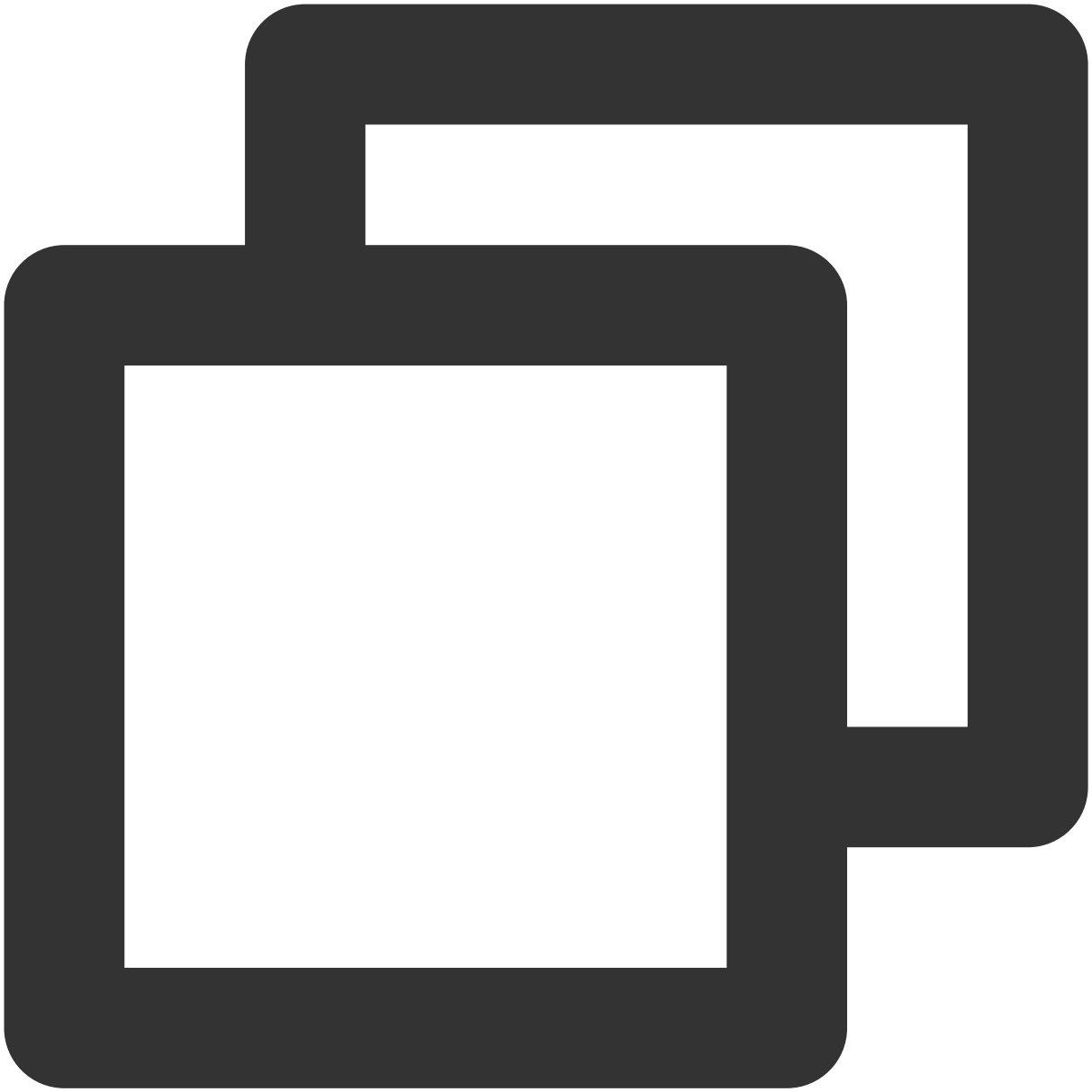

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
90033	Invalid attribute.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags

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Deleting User Tags
Deleting All Tags of a User

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Getting User Tags

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to obtain user tags. Up to 100 users' tags can be obtained at a time.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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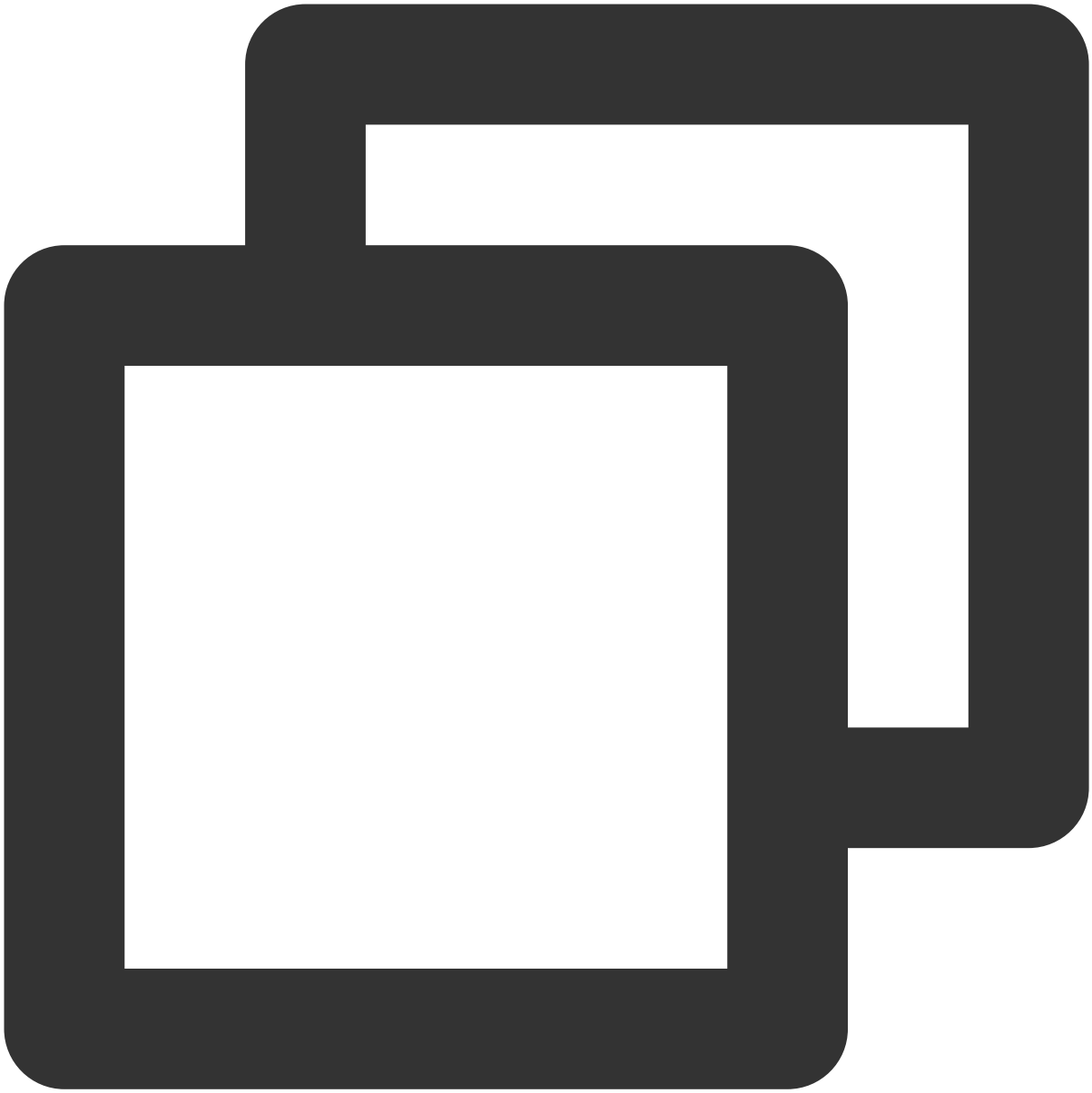

```
https://xxxxxx/v4/all_member_push/im_get_tag?usersig=xxx&identifier=admin&sdkappid=
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/all_member_push/im_get_tag	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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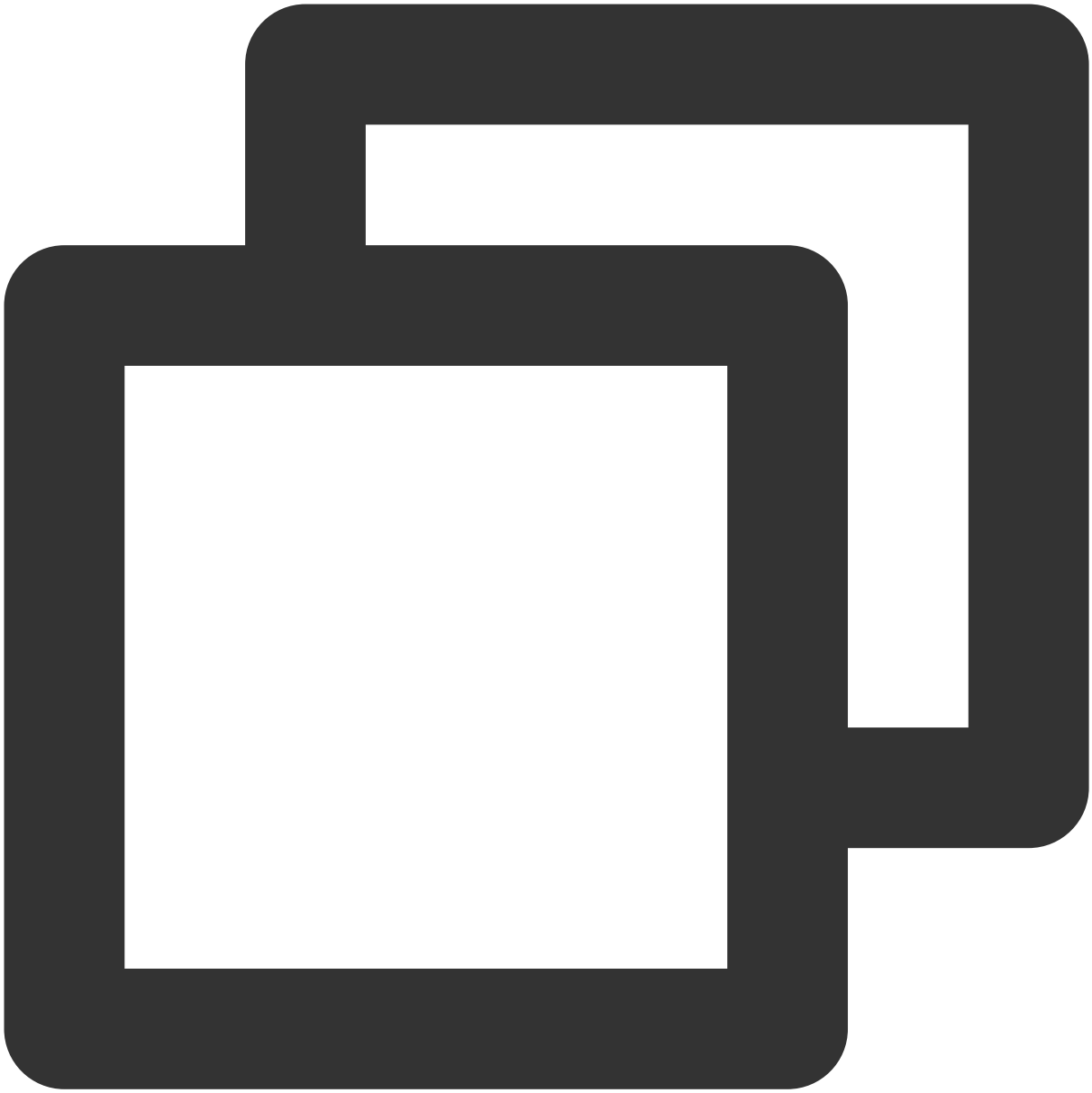

```
{
    "To_Account": [
        "xiaojun012",
        "xiaojun013"
    ]
}
```

Request fields

Field	Type	Required	Description

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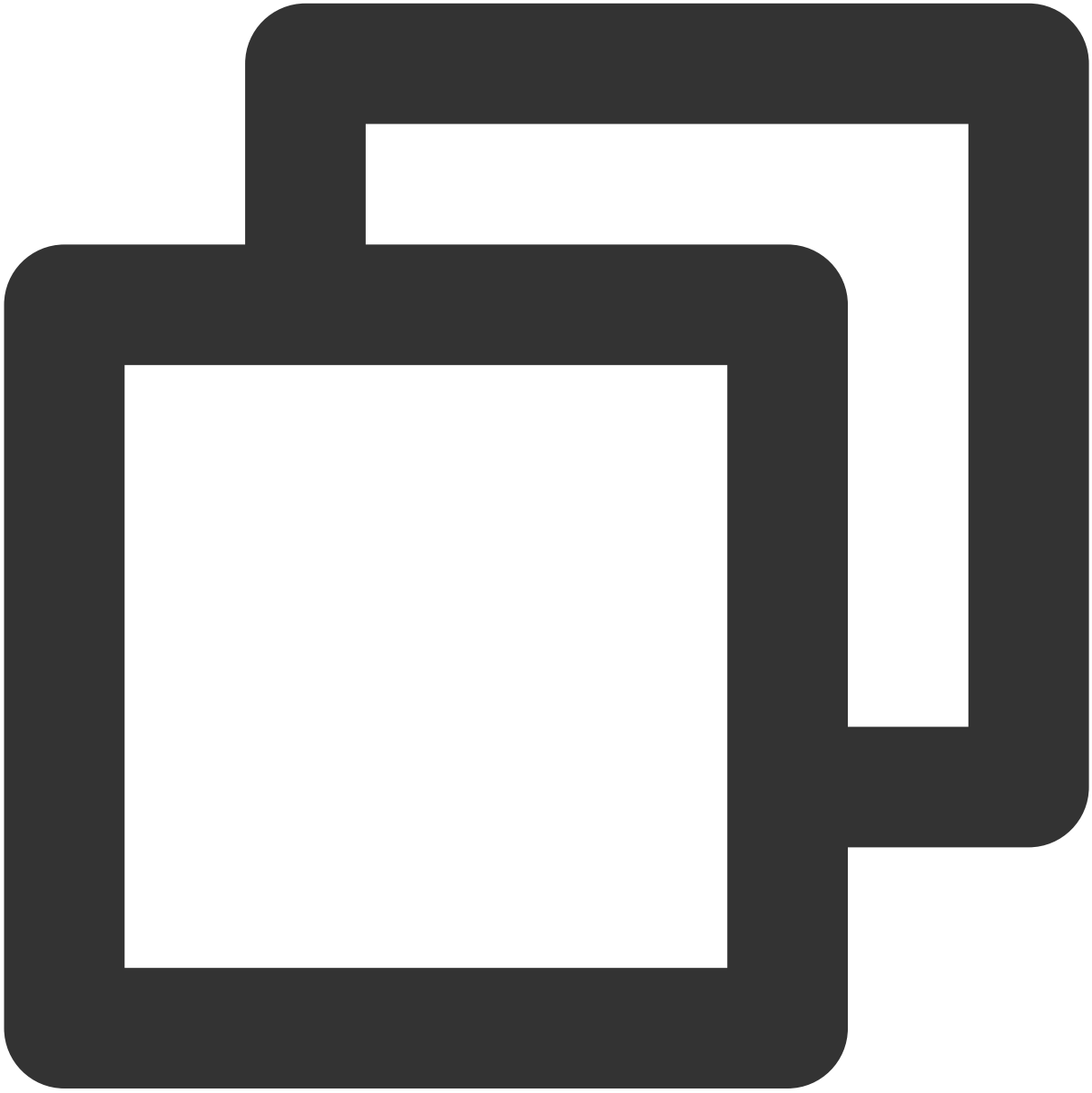
To_Account	Array	Yes	List of target user accounts

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "UserTags": [
        {
```

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```
            "To_Account": "xiaojun012",
            "Tags": ["a", "b"]
        },
        {
            "To_Account": "xiaojun013",
            "Tags": ["a", "c"]
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information
UserTags	Array	List of user tags
To_Account	String	User account
Tags	Array	Tag content

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes
Getting User Attributes
Adding User Tags
Deleting User Tags
Deleting All Tags of a User

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Adding User Tags

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to add tags for users.

Note:

Each request can add tags for a maximum of 100 users. In the request body, a maximum of 10 tags can be added for each user.

A maximum of 100 tags can be set for each user. If a user has more than 100 tags, you need to delete old tags before adding new ones for the user.

The maximum length of a single tag is 50 bytes.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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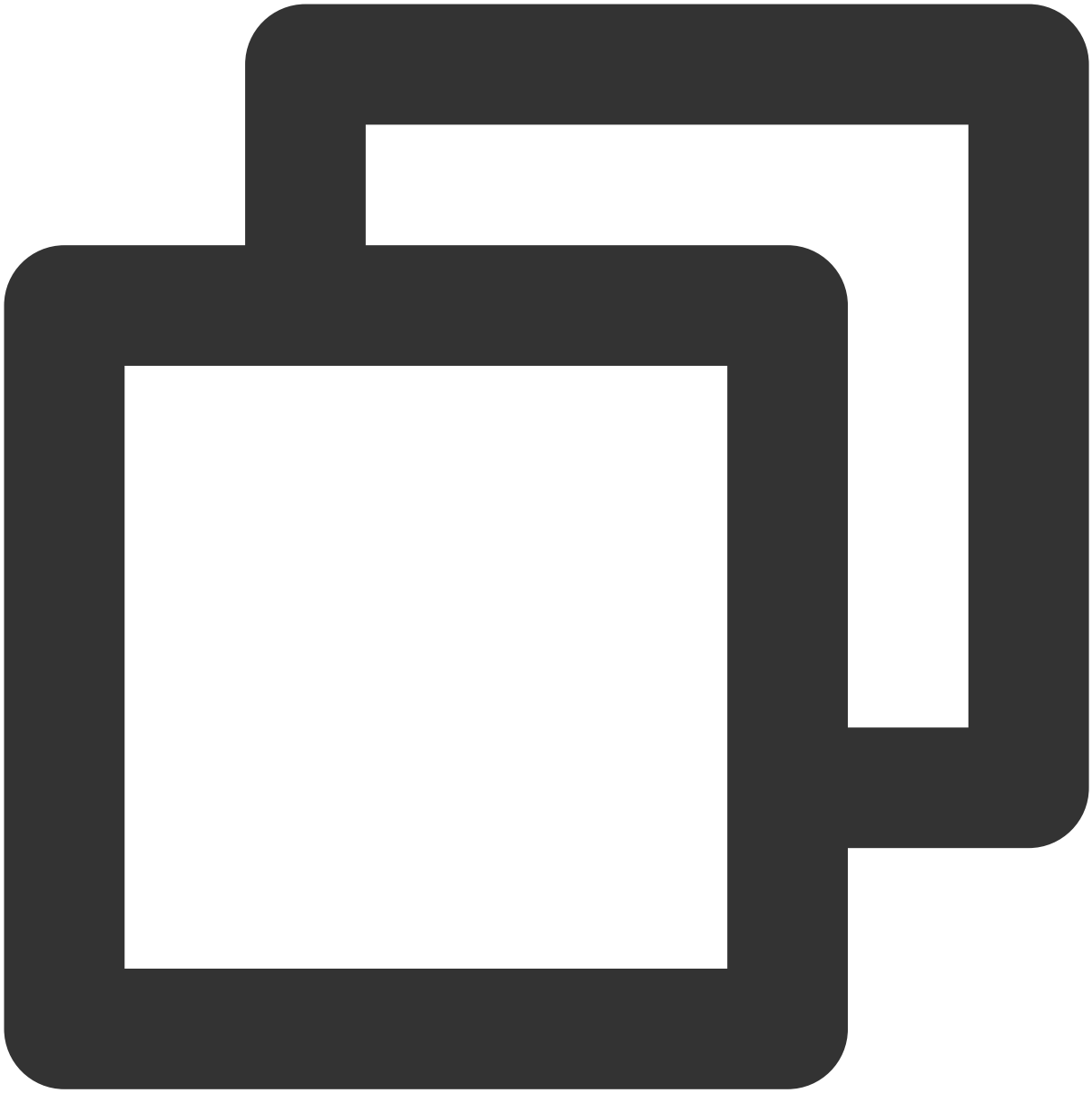

```
https://xxxxxx/v4/all_member_push/im_add_tag?usersig=xxx&identifier=admin&sdkappid=
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_add_tag	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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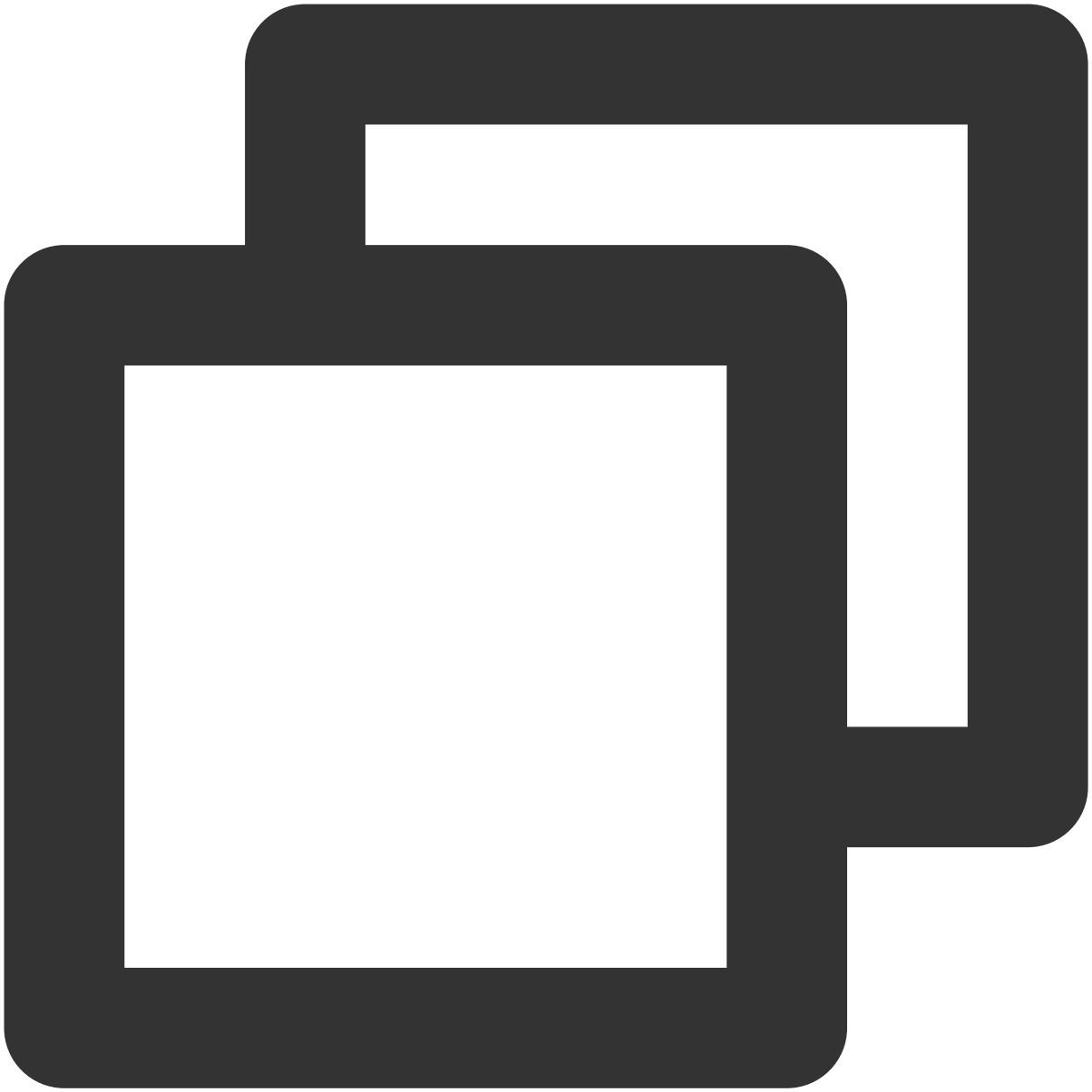

```
{
    "UserTags": [
        {
            "To_Account": "xiaojun012",
            "Tags": ["a", "b"]
        },
        {
            "To_Account": "xiaojun013",
            "Tags": ["a", "b"]
        }
    ]
```

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```
}
```

Request fields

Field	Type	Required	Description
To_Account	String	Yes	Target user account
Tags	Array	Yes	Tag set

Sample response

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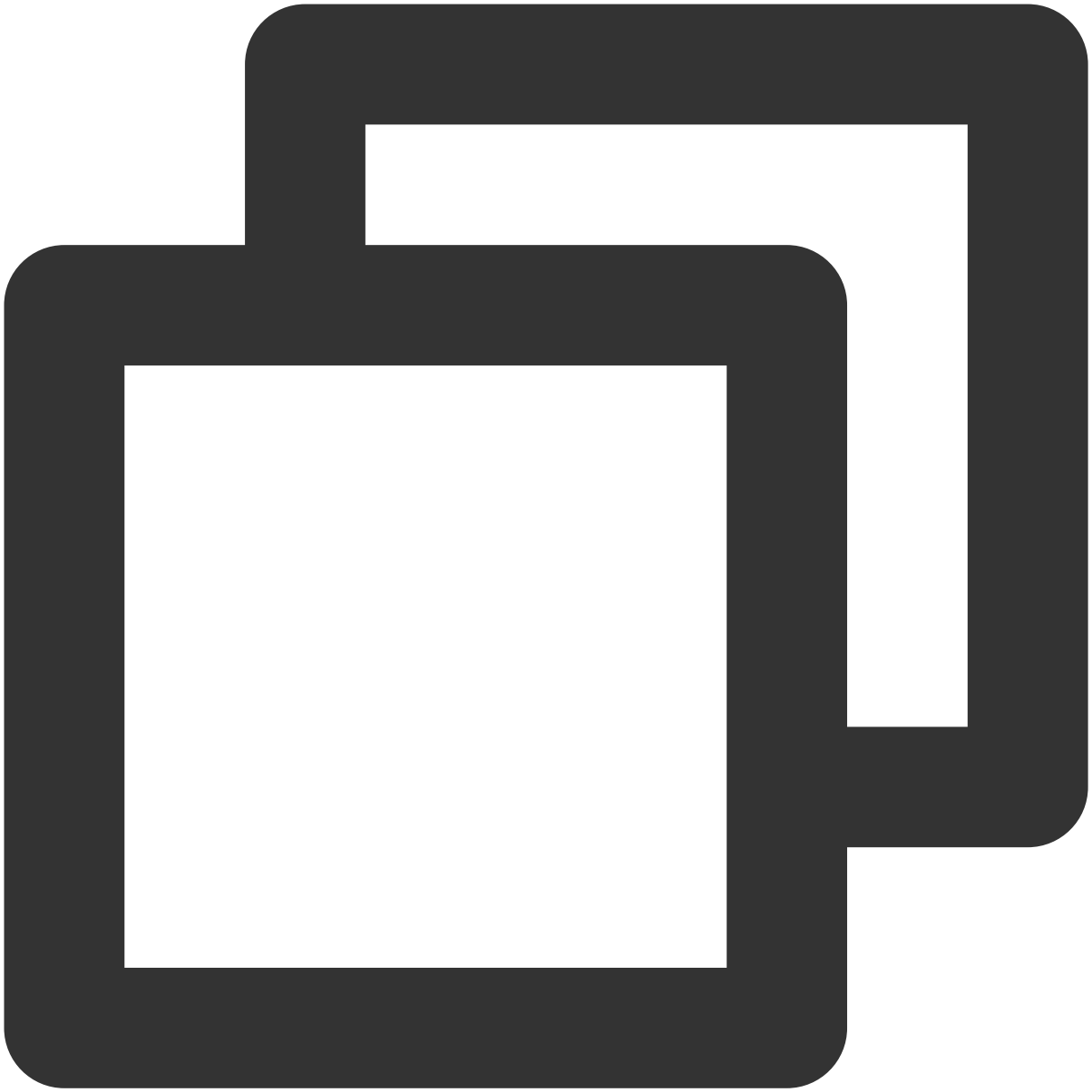

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes
Getting User Attributes
Getting User Tags
Deleting User Tags
Deleting All Tags of a User

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Deleting User Tags

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to delete tags for users. Each request can delete tags for a maximum of 100 users.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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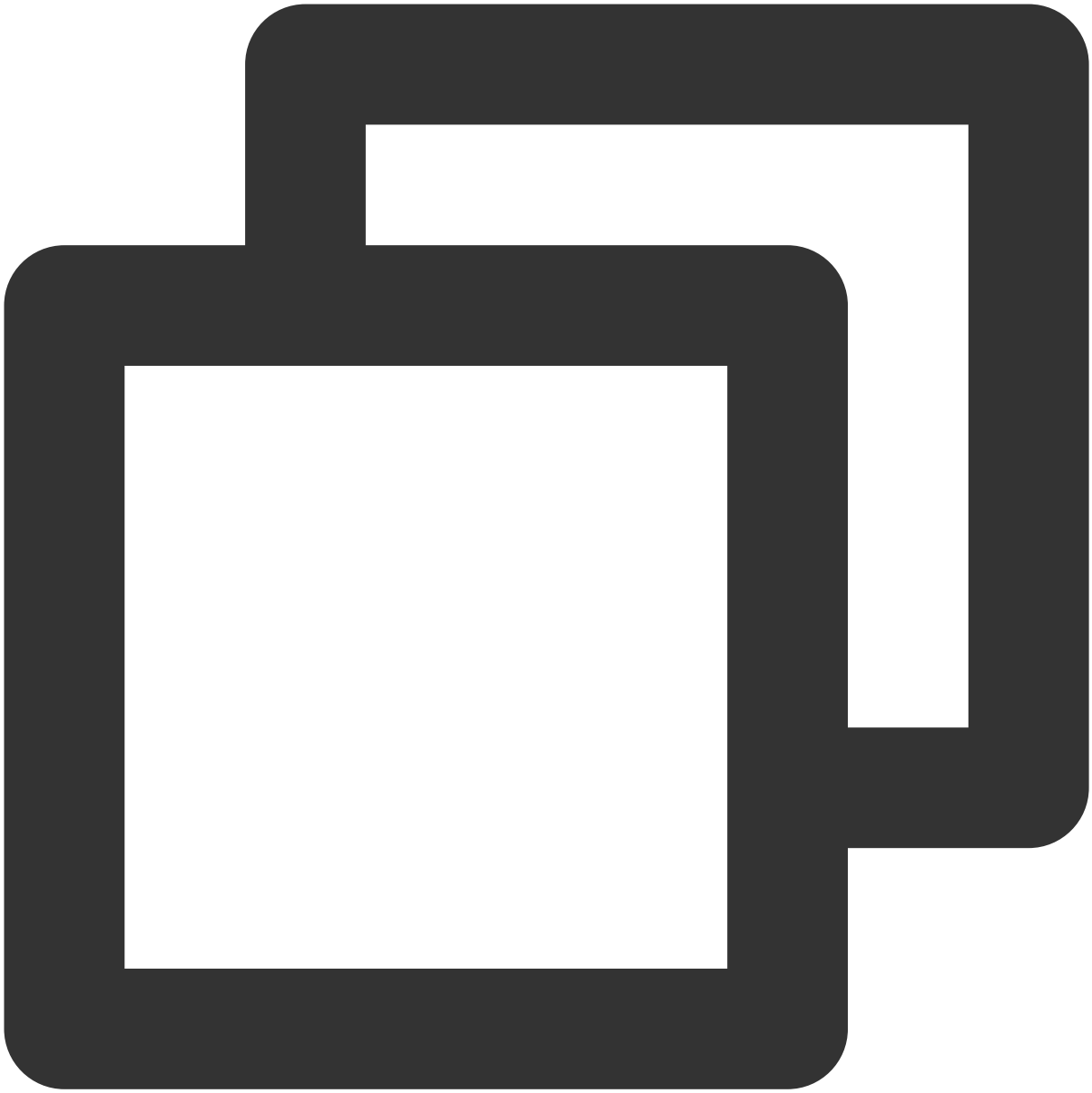

```
https://xxxxxx/v4/all_member_push/im_remove_tag?usersig=xxx&identifier=admin&sdkapp
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_remove_tag	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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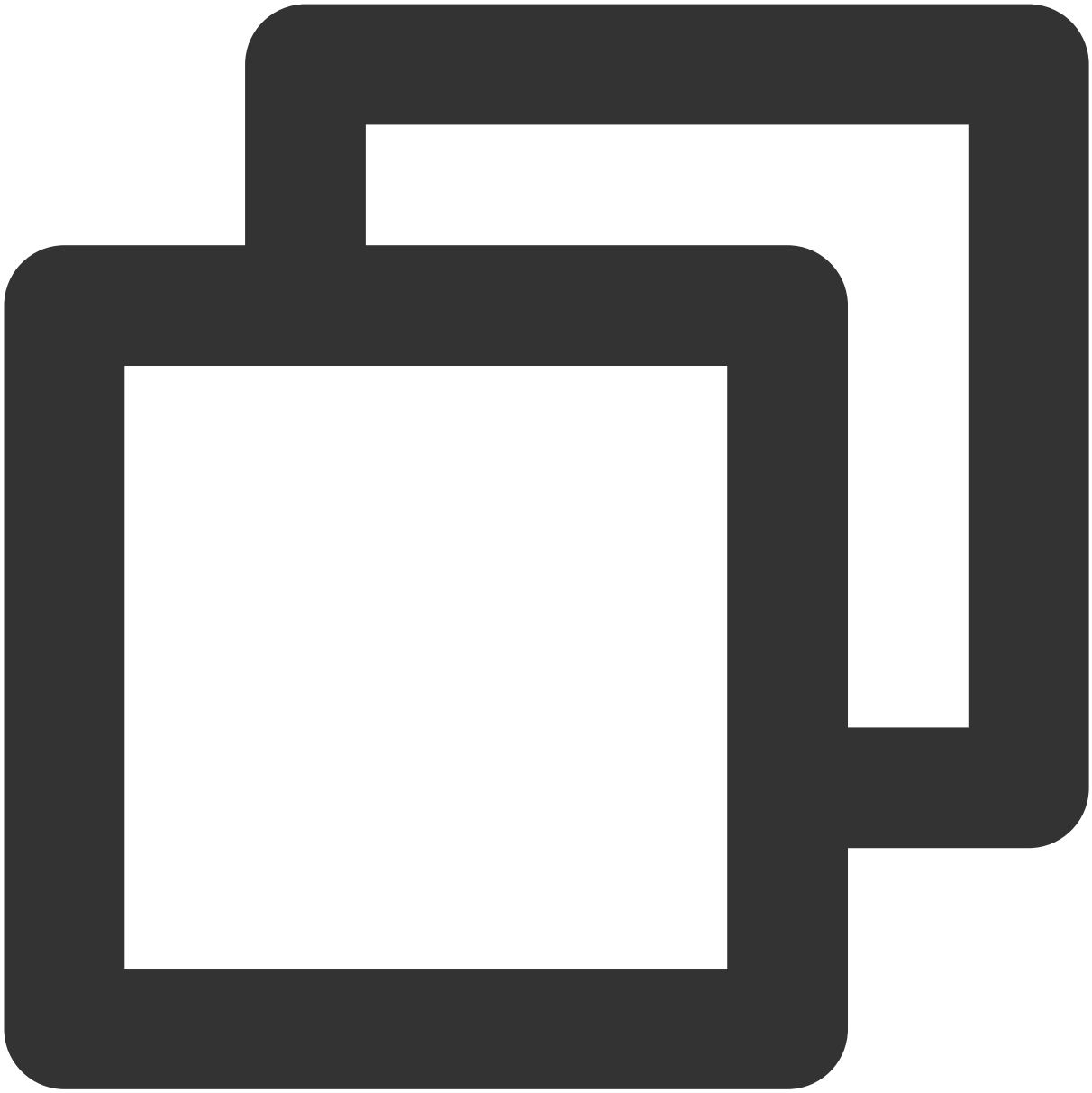

```
{
    "UserTags": [
        {
            "To_Account": "xiaojun012",
            "Tags": ["a", "b"]
        },
        {
            "To_Account": "xiaojun013",
            "Tags": ["a", "b"]
        }
    ]
```

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```
}
```

Request fields

Field	Type	Required	Description
To_Account	String	Yes	Target user account
Tags	Array	Yes	Tag set

Sample response

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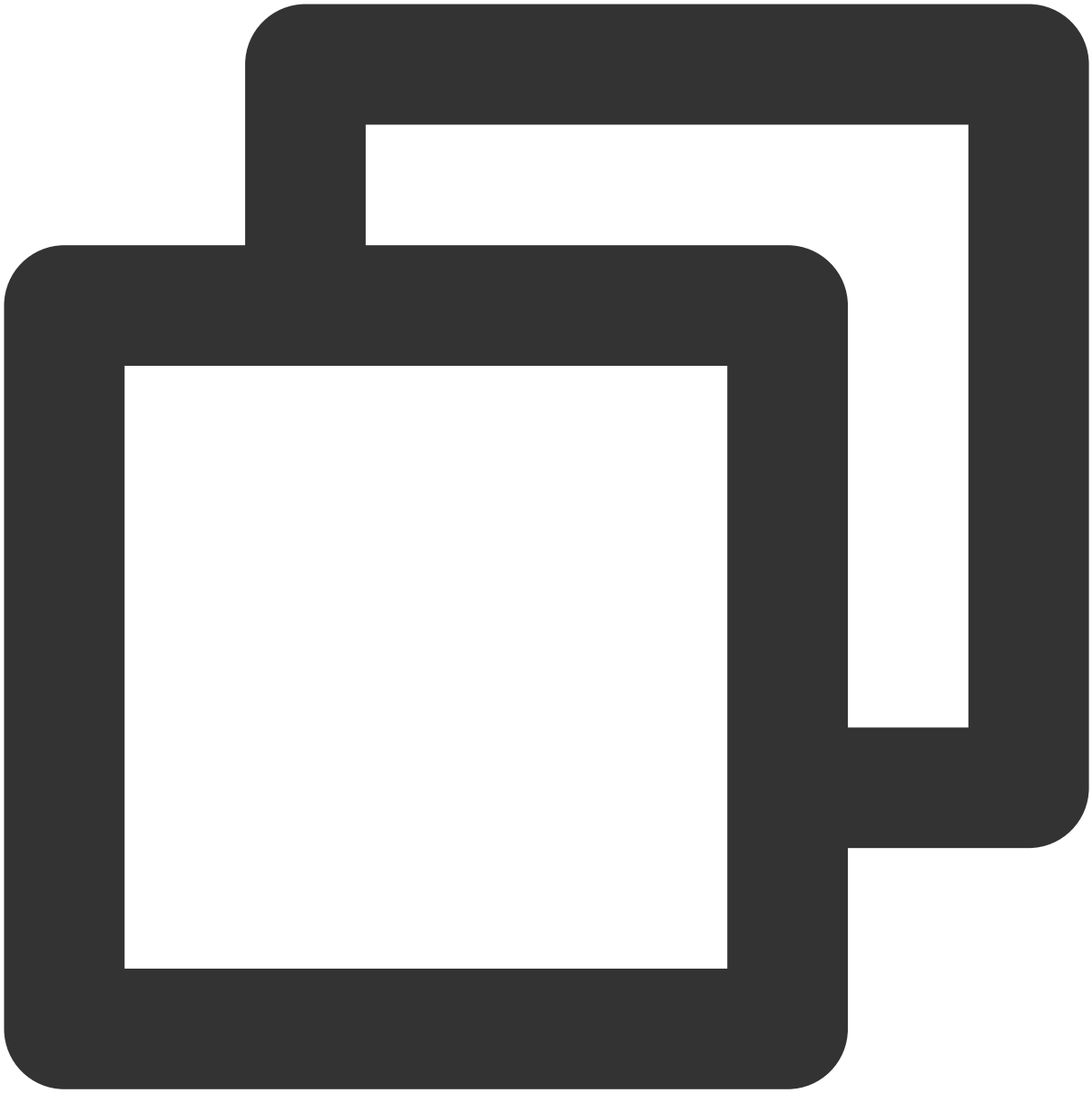

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes
Getting User Attributes
Adding User Tags
Getting User Tags
Deleting All Tags of a User

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Deleting All Tags of a User

Last updated：2024-07-16 10:41:26

Feature Overview

This API is used by the admin to delete all tags for users. Each request can delete all tags for a maximum of 100 users.

API Calling Description

Pushing to all users is available only to the Premium edition. To use it, you need to purchase the Premium edition, go to the console, choose **Feature Configuration** > **Login and Message** > **Push to all users**, and enable the feature.

Sample request URL

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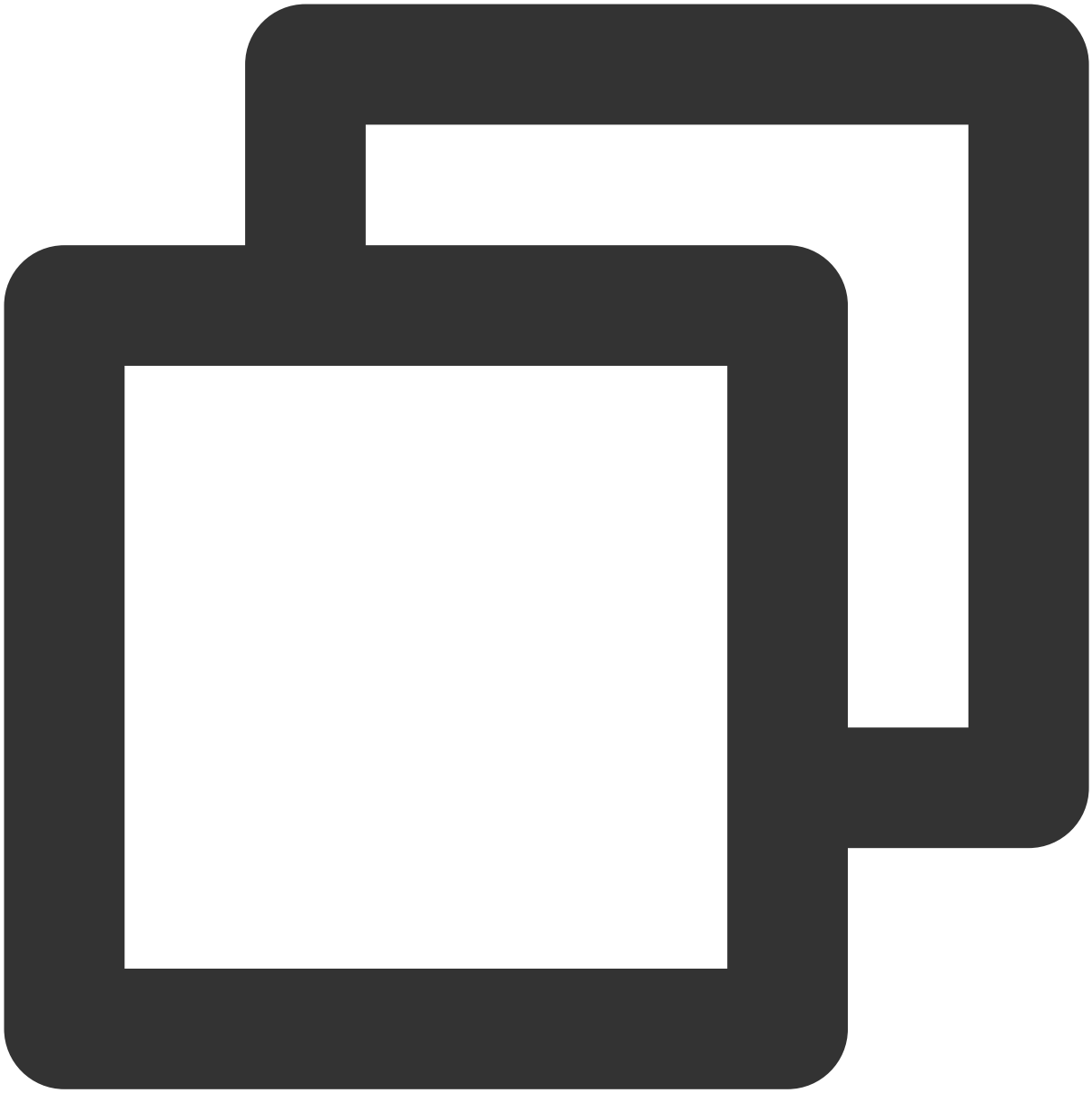

```
https://xxxxxx/v4/all_member_push/im_remove_all_tags?usersig=xxx&identifier=admin&s
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/all_member_push/im_remove_all_tags	Request API
usersig	Signature generated in the app admin account. For more information, see Generating UserSig.
identifier	The app administration account.
sdkappid	`SDKAppID` assigned by the Chat console when an app is created
random	A random 32-bit unsigned integer
contenttype	The value is always `json` .

Maximum call frequency

100 times/second

Sample request

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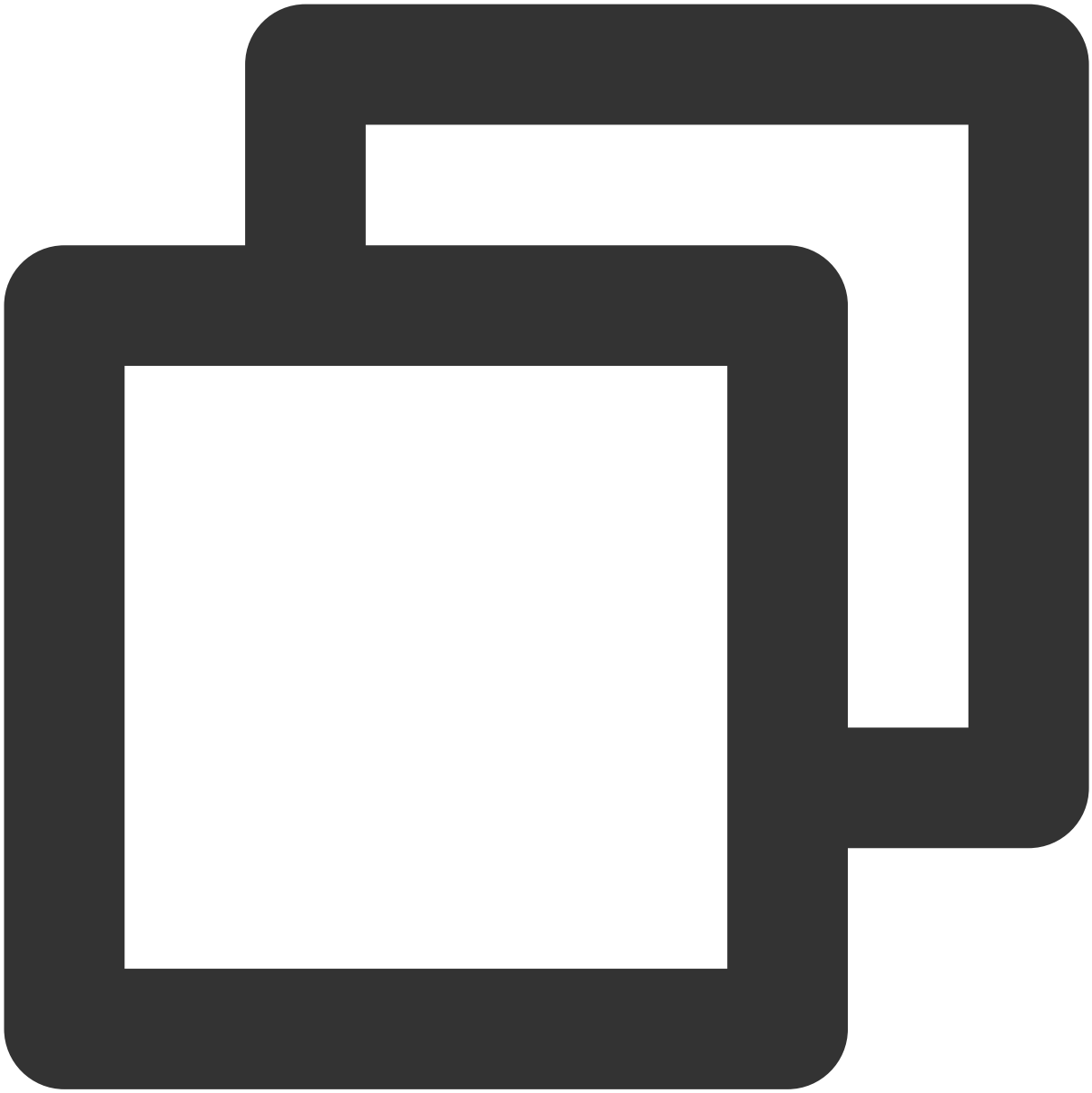

```
{
    "To_Account": [
        "xiaojun012",
        "xiaojun013"
    ]
}
```

Request fields

Field	Type	Required	Description

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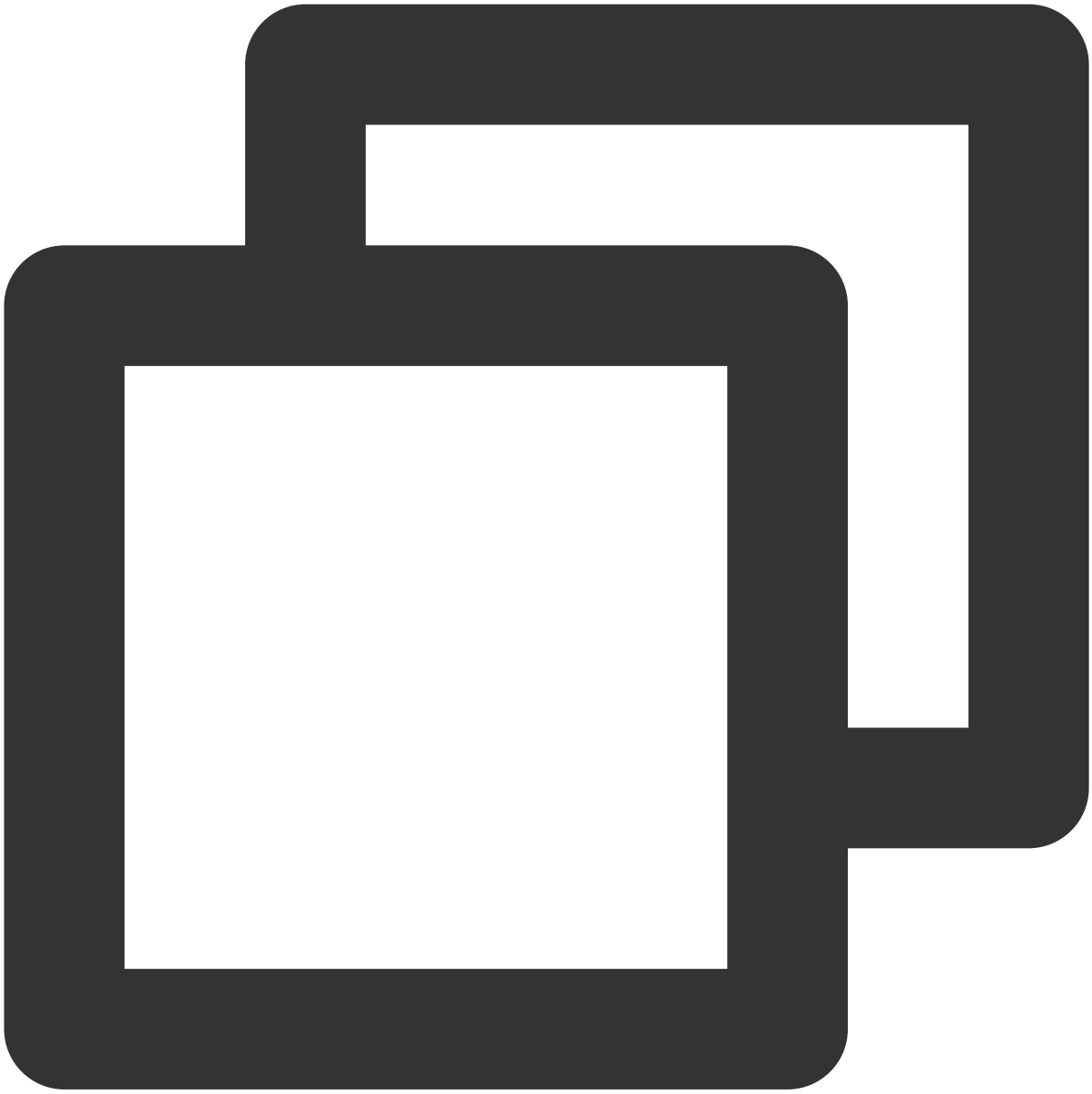
To_Account	Array	Yes	Target user account

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code
ErrorInfo	String	Error information

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. **`ErrorCode` and `ErrorInfo` in the response represent the actual error code and error information.** For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
90009	The request requires app admin permissions.
90018	The number of requested accounts exceeds the limit.
91000	Internal service error. Try again.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

API for Pushing to All Users
Pushing to All Users
Setting Application Attribute Names
Getting Application Attribute Names
Setting User Attributes
Deleting User Attributes

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Getting User Attributes
Adding User Tags
Getting User Tags
Deleting User Tags

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Session Related
Conversation List
Pulling a conversation list

Last updated：2024-07-16 10:52:14

Feature Overview

This API is used to pull a conversation list by page.

API Calling Description

Sample request URL

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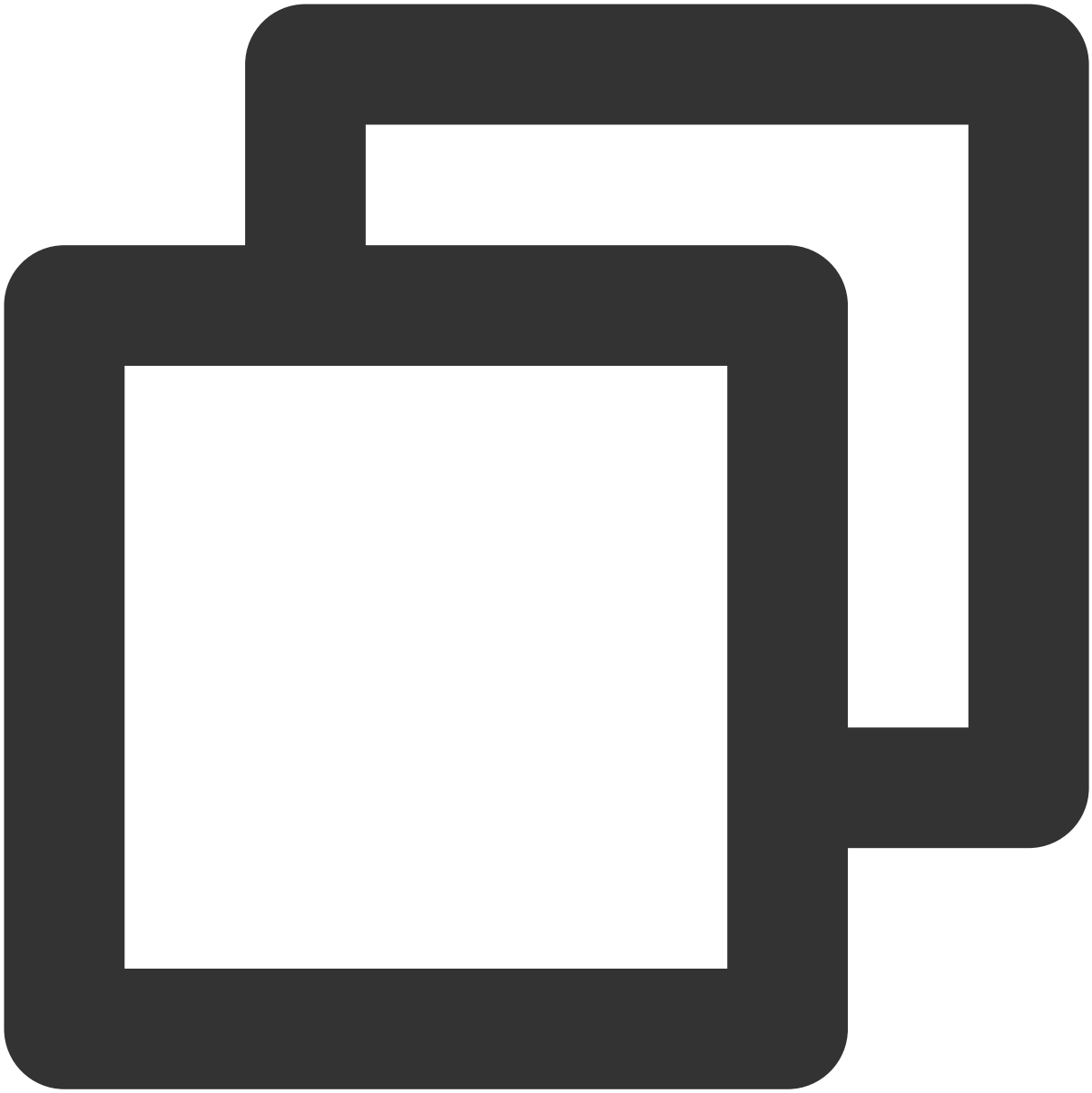

```
https://xxxxxx/v4/recentcontact/get_list?sdkappid=88888888&identifier=admin&usersig
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/get_list	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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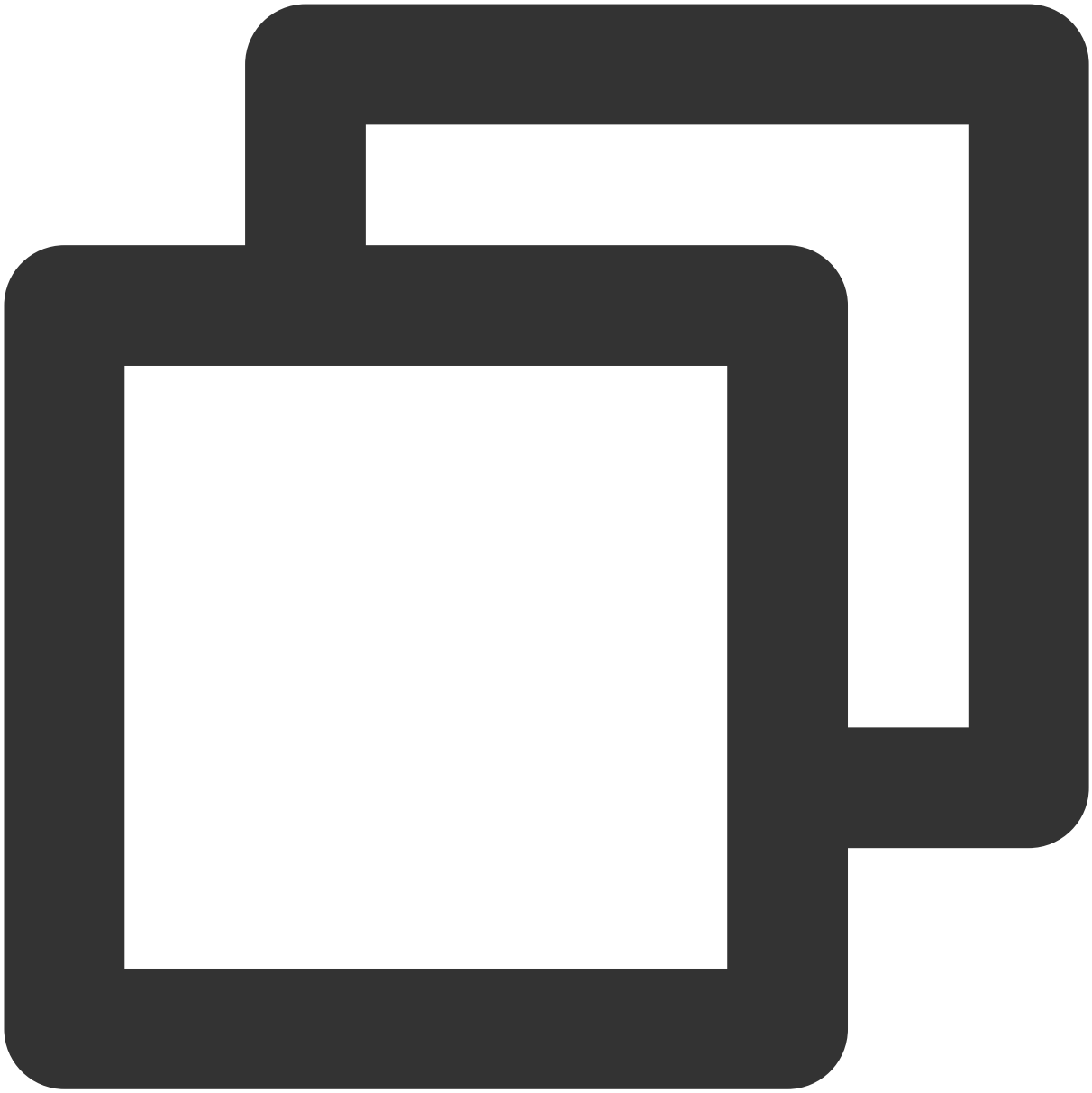

```
{
  "From_Account": "id1",
  "TimeStamp": 0,
  "StartIndex": 0,
  "TopTimeStamp": 0,
  "TopStartIndex": 0,
  "AssistFlags": 7
}
```

Request fields

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Field	Type	Required	Description
From_Account	String	Yes	`UserID` of the account for which to pull a conversation list
TimeStamp	Integer	Yes	Start time of general conversations. Enter `0` for the first page.
StartIndex	Integer	Yes	Starting point of general conversations. Enter `0` for the first page.
TopTimeStamp	Integer	Yes	Start time of pinned conversations. Enter `0` for the first page.
TopStartIndex	Integer	Yes	Starting point of pinned conversations. Enter `0` for the first page.
AssistFlags	Integer	Yes	Flag bits of conversations: Bit 0: Whether to support pinned conversations Bit 1: Whether to return an empty conversation Bit 2: Whether to support paginating pinned conversations

Sample response

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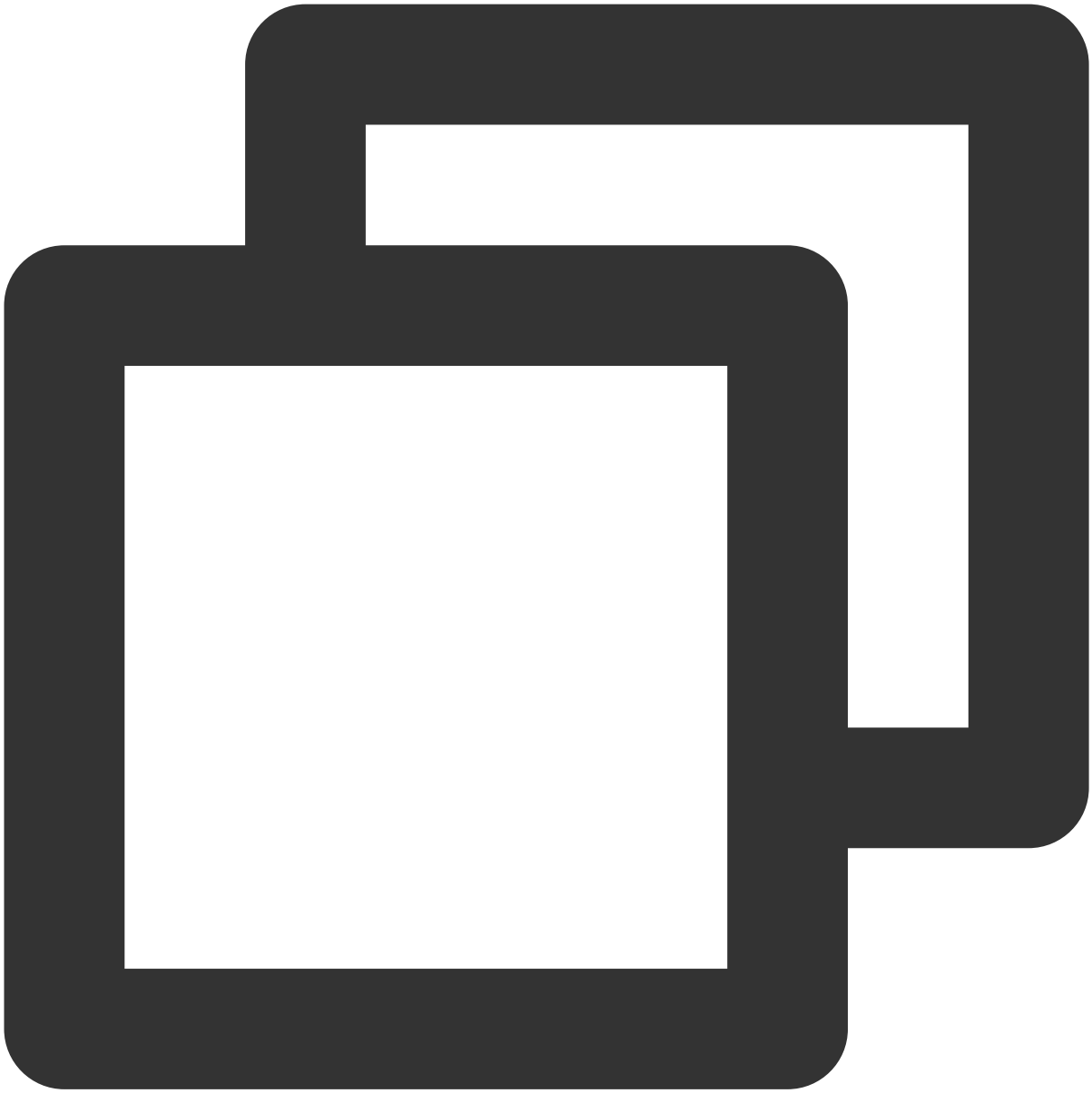

```
{
  "SessionItem": [
    {
      "Type": 1,
      "To_Account": "id2",
      "MsgTime": 1630997627,
      "TopFlag": 1
    },
    {
      "Type": 2,
      "GroupId": "id3",
```

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```
      "MsgTime": 1630997628,
      "TopFlag": 1
    },
    {
      "Type": 1,
      "To_Account": "id4",
      "MsgTime": 1630997630,
      "TopFlag": 0
    },
    {
      "Type": 2,
      "GroupId": "id5",
      "MsgTime": 1630997650,
      "TopFlag": 0
    }
  ],
  "CompleteFlag": 1,
  "TimeStamp": 1631012800,
  "StartIndex": 0,
  "TopTimeStamp": 1631012800,
  "TopStartIndex": 0,
  "ActionStatus": "OK",
  "ErrorCode": 0,
  "ErrorInfo": "",
  "ErrorDisplay": ""
}
```


Response fields

Field	Type	Description
SessionItem	Array	Array of conversation objects
Type	Integer	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
To_Account	String	`UserID` of the other conversation participant, which will be returned only for a one-to-one conversation
GroupId	String	Group ID, which will be returned only for a group conversation
MsgTime	Integer	Conversation duration
TopFlag	Integer	Flag of conversation pinning. `0` : General conversation; `1` : Pinned conversation
CompleteFlag	Integer	Completion flag. `1` : All conversation are returned; `0` : Pulling has not finished yet.

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TimeStamp	Integer	Start time of the next pulled page for a general conversation, which is sent to the Chat backend via the `TimeStamp` field of the request during pulling-by-page
StartIndex	Integer	Starting point of the next pulled page for a general conversation, which is sent to the Chat backend via the `StartIndex` field of the request during pulling-by-page
TopTimeStamp	Integer	Start time of the next pulled page for a pinned conversation, which is sent to the Chat backend via the `TopTimeStamp` field of the request during pulling-by-page
TopStartIndex	Integer	Starting point of the next pulled page for a pinned conversation, which is sent to the Chat backend via the `TopStartIndex` field of the request during pulling-by-page
ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error message
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.

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50004	Internal server error. Please try again.
50005	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Session Unread Count
Setting the Unread Message Count of a Member

Last updated：2024-07-16 10:52:15

Note

This document is only for users who are migrating their apps to Tencent Cloud IM.

Feature Description

This API is used by app admins to set the unread message count of a group member. When this API is called, no callback is triggered and no notification is sent.
When you are migrating your app from another IM system to Tencent Cloud IM, you can use this API to set the unread message count of group members.

API Call Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work group (Work) in the new version.
Public	Yes.
ChatRoom	No. Same as meeting group (Meeting) in the new version.
AVChatRoom	No.
Community	Yes.

These are the built-in group types in IM. For detailed information, see Group System.

Note

ChatRoom and AVChatroom (audio-video) groups do not support unread message counts. Therefore, you cannot set an unread message count for members of these two group types. If you try to do so, no error will be returned.

Sample request URL

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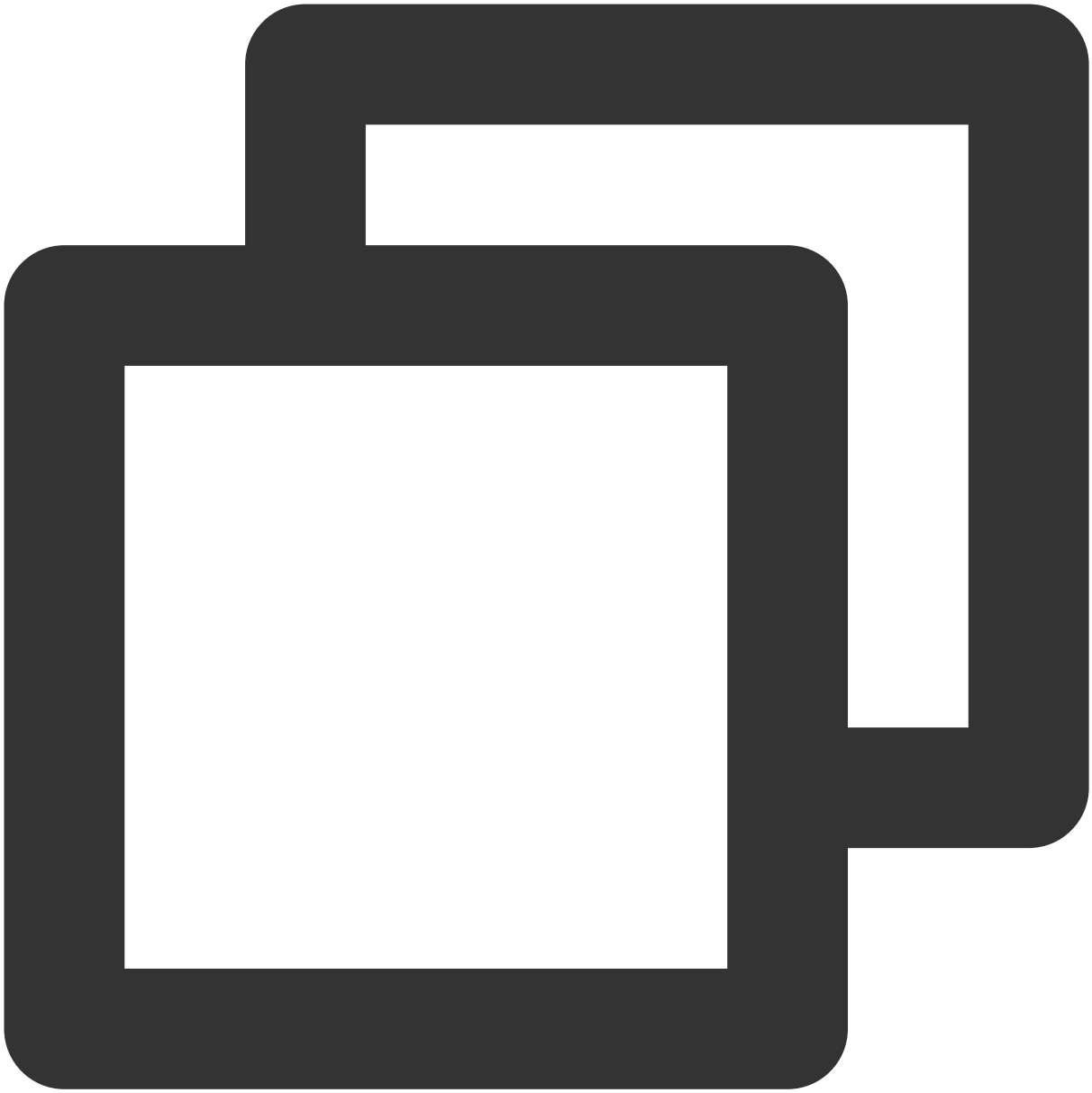

```
https://xxxxxx/v4/group_open_http_svc/set_unread_msg_num?sdkappid=88888888&identifi
```

Request parameters

The following table only describes the modified parameters when this API is called. For more information on other parameters, please see RESTful API Introduction.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/set_unread_msg_num	Request API
sdkappid	SDKAppID assigned by the IM console when an app is created
identifier	App admin account. For more information, please see the **App Admin** section in Login Authentication.
usersig	Signature generated in the app admin account. For details on how to generate the signature, please see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format. The value is always `json` .

Maximum call frequency

200 calls per second

Sample request packet

This example sets the unread message count of a specified group member.

If the unread message count specified by this API is greater than the current number of messages in the group, the unread message count will be set to the current number of messages in the group.

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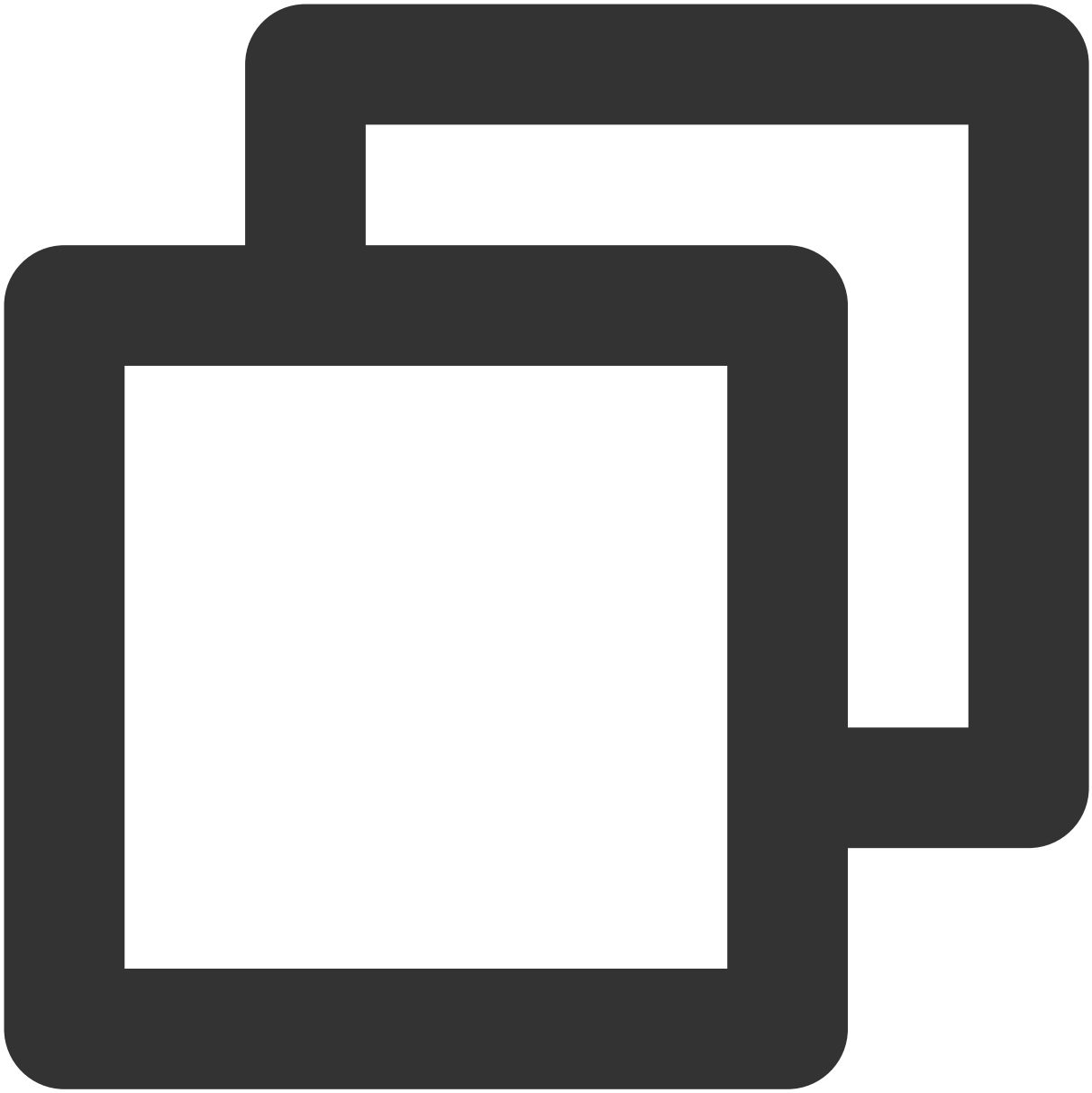

```
{
    "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
    "Member_Account": "bob",  // Target group member (required)
    "UnreadMsgNum":5          // Unread message count of the target member
}
```

Request packet fields

Field	Type	Required	Description

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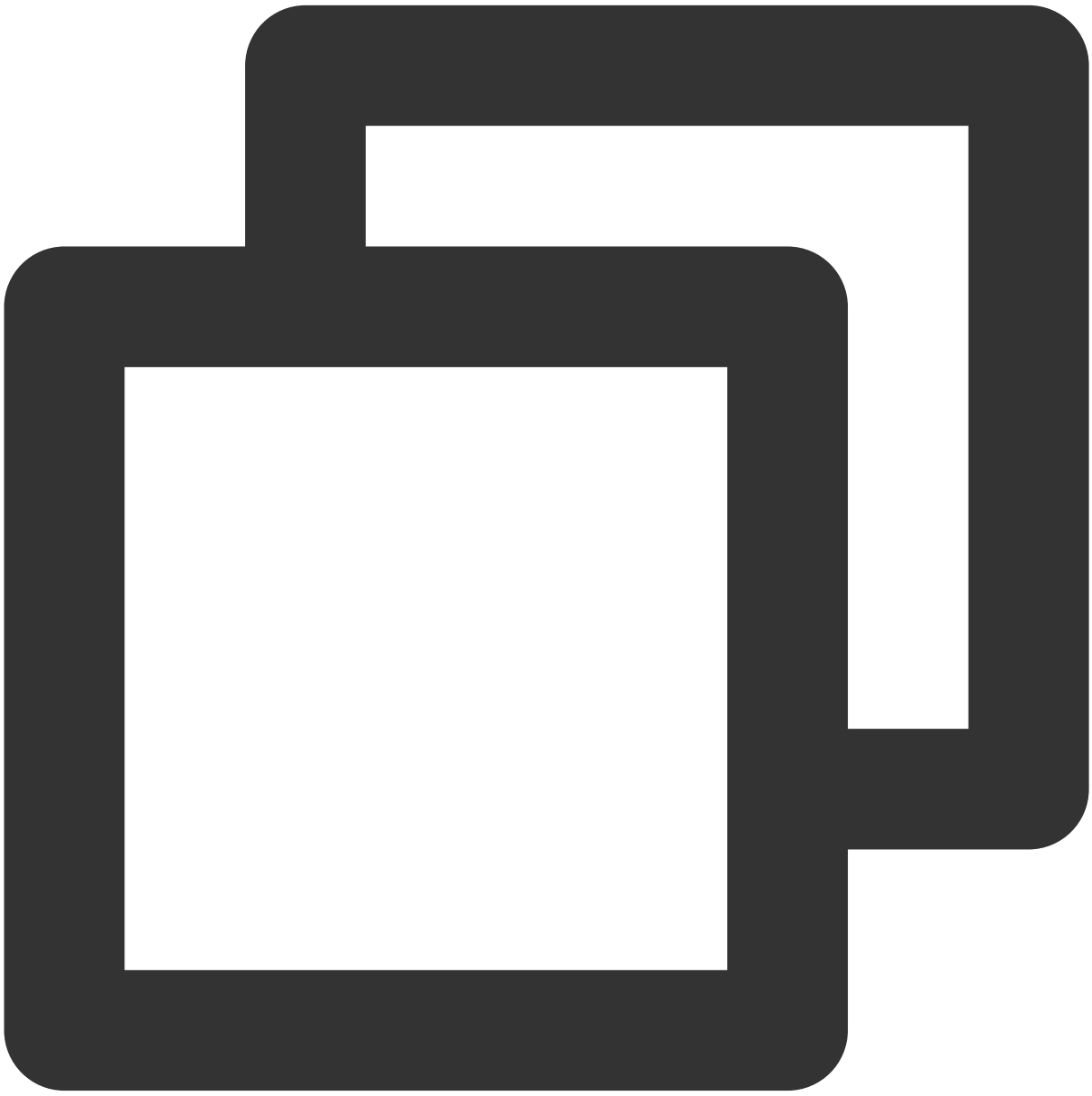
GroupId	String	Yes	ID of the target group
Member_Account	String	Yes	Target group member
UnreadMsgNum	Integer	Yes	Unread message count of the target member

Sample response packet



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
```

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```
    "ErrorCode": 0
}
```

Response packet fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed.
ErrorInfo	String	Error information
ErrorCode	Integer	Error code. `0` : successful; other values: failed.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), please see Error Codes.
The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Make sure to use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

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Sending System Messages in a Group (v4/group_open_http_svc/send_group_system_notification)

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Querying Unread One-to-One Message Count

Last updated：2024-07-16 10:52:14

Feature Overview

This API is used to query the unread message count of a one-to-one conversation or all one-to-one conversations.

API Calling Description

Sample request URL

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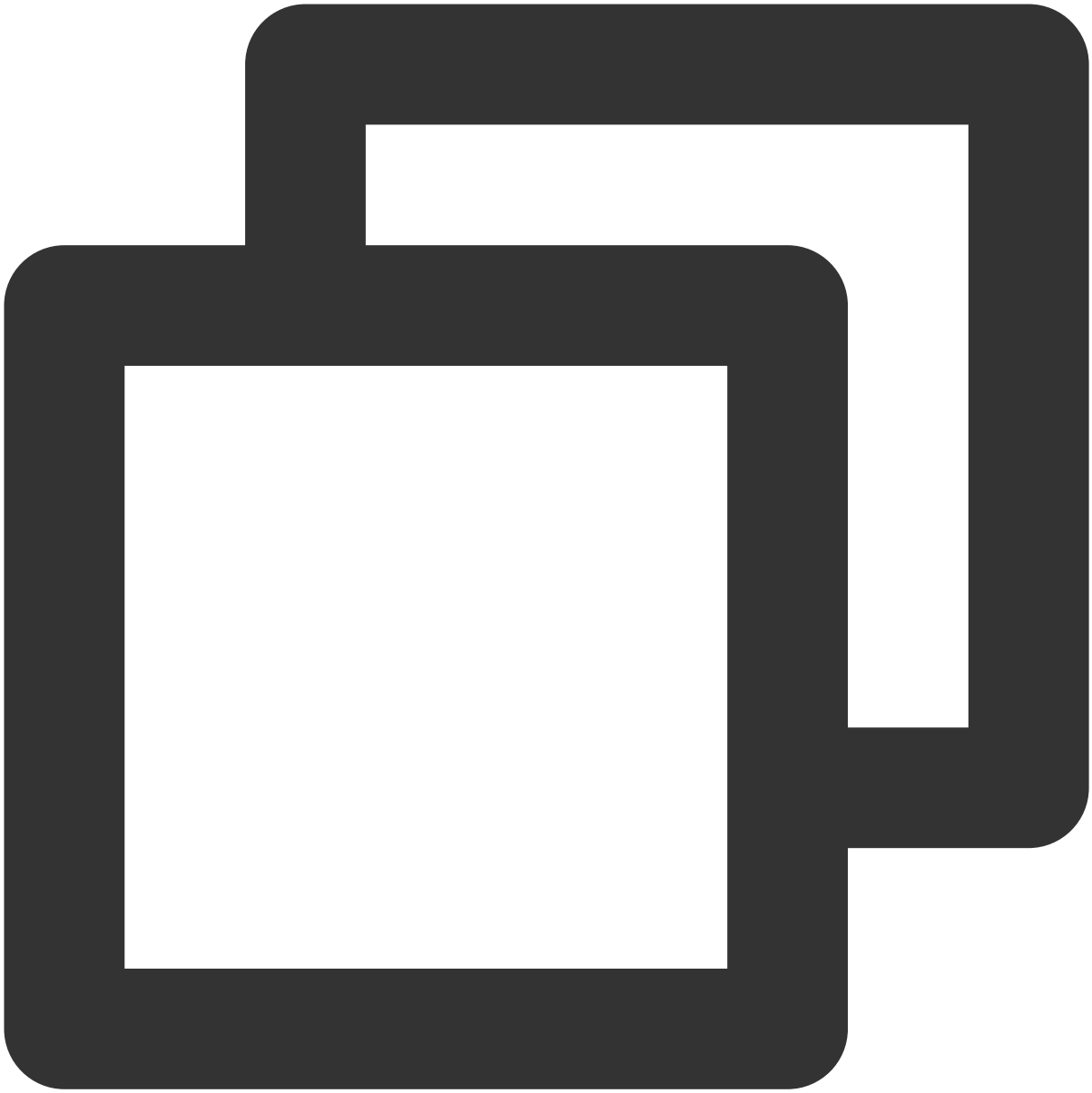

```
https://xxxxxx/v4/openim/get_c2c_unread_msg_num?sdkappid=88888888&identifier=admin&
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/get_c2c_unread_msg_num	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Querying the total unread one-to-one message count of an account

Sample request

This example shows how the admin queries the total unread one-to-one message count of `dramon1` . Only `To_Account` is required.

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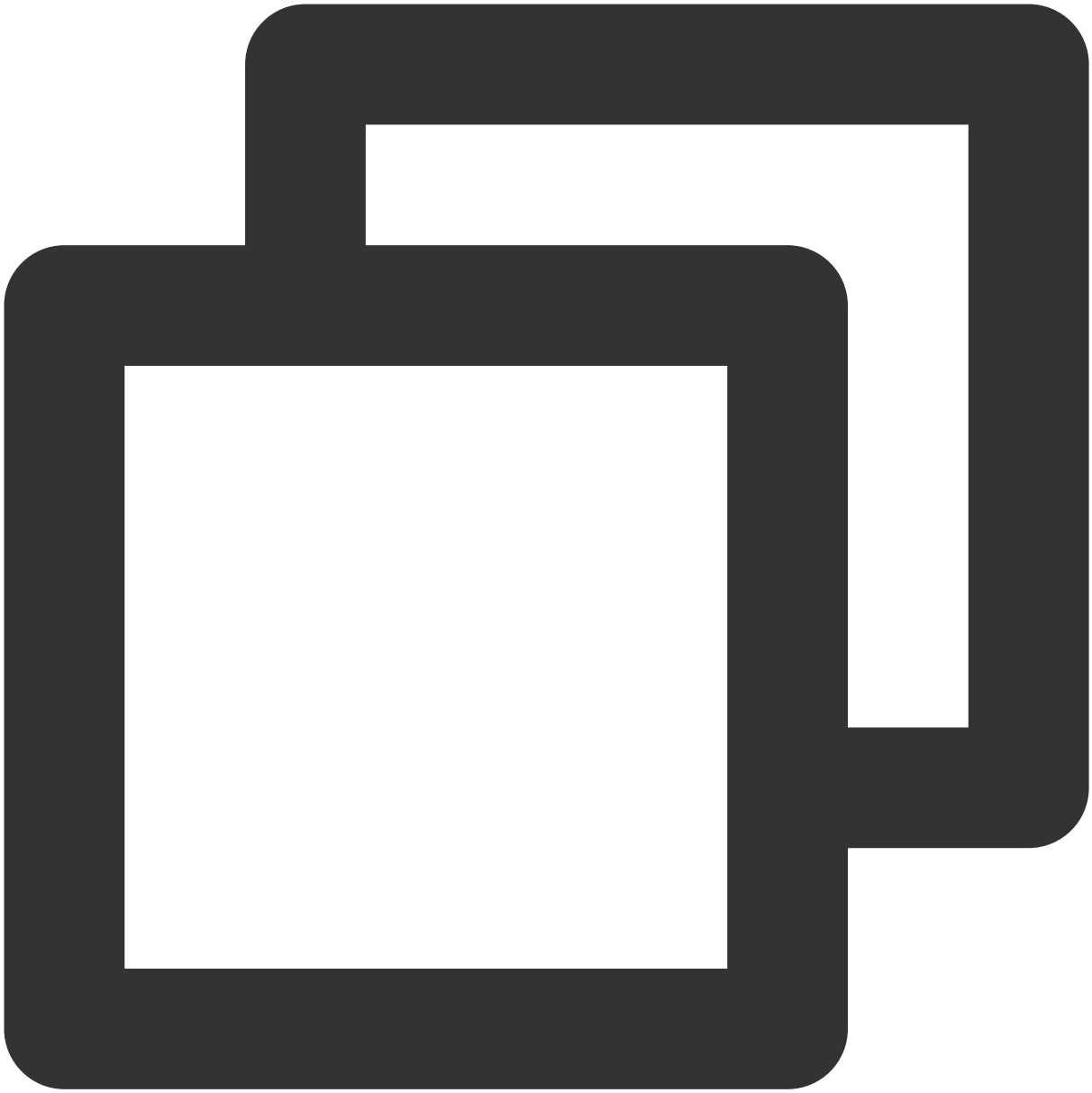

```
{
    "To_Account":"dramon1"
}
```

Sample response

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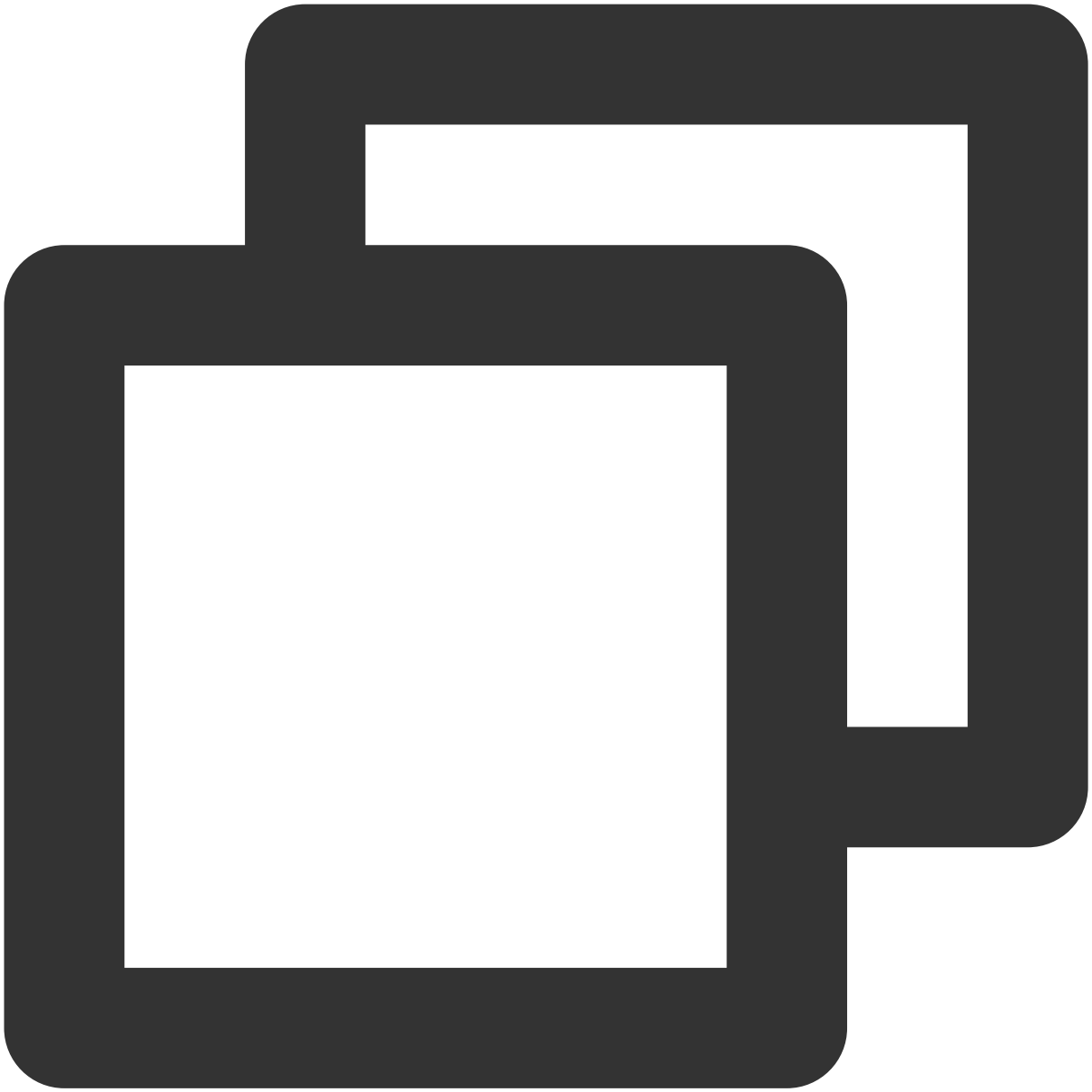

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "AllC2CUnreadMsgNum": 12
}
```

Querying the unread message counts of multiple one-to-one conversations at a time

Sample request

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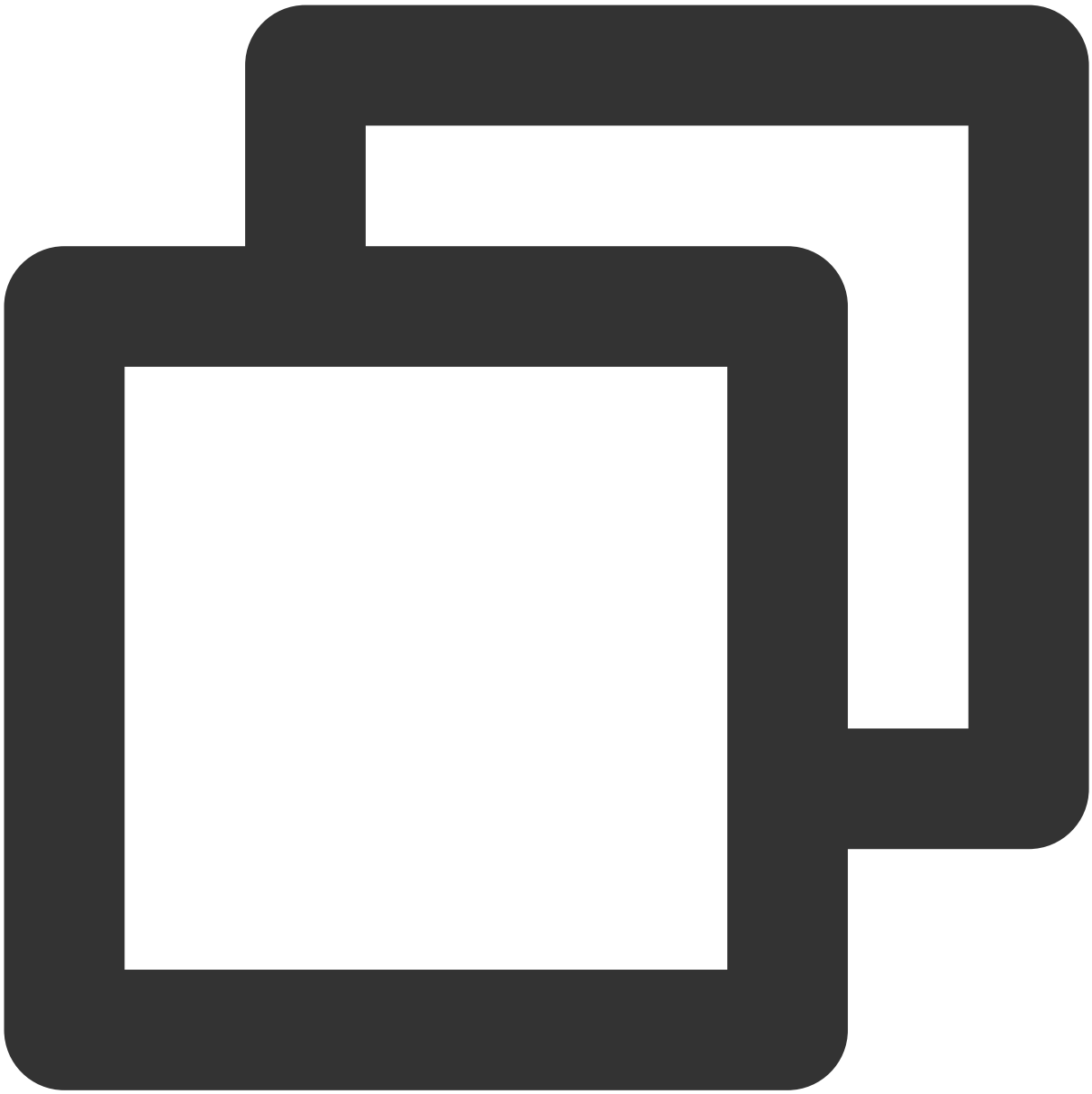
This example shows how the admin queries the unread message counts of `dramon1` 's conversations with `dramon2` and `teacher` .



```
{
    "To_Account":"dramon1",
    "Peer_Account":[
        "dramon2",
        "teacher"
    ]
}
```

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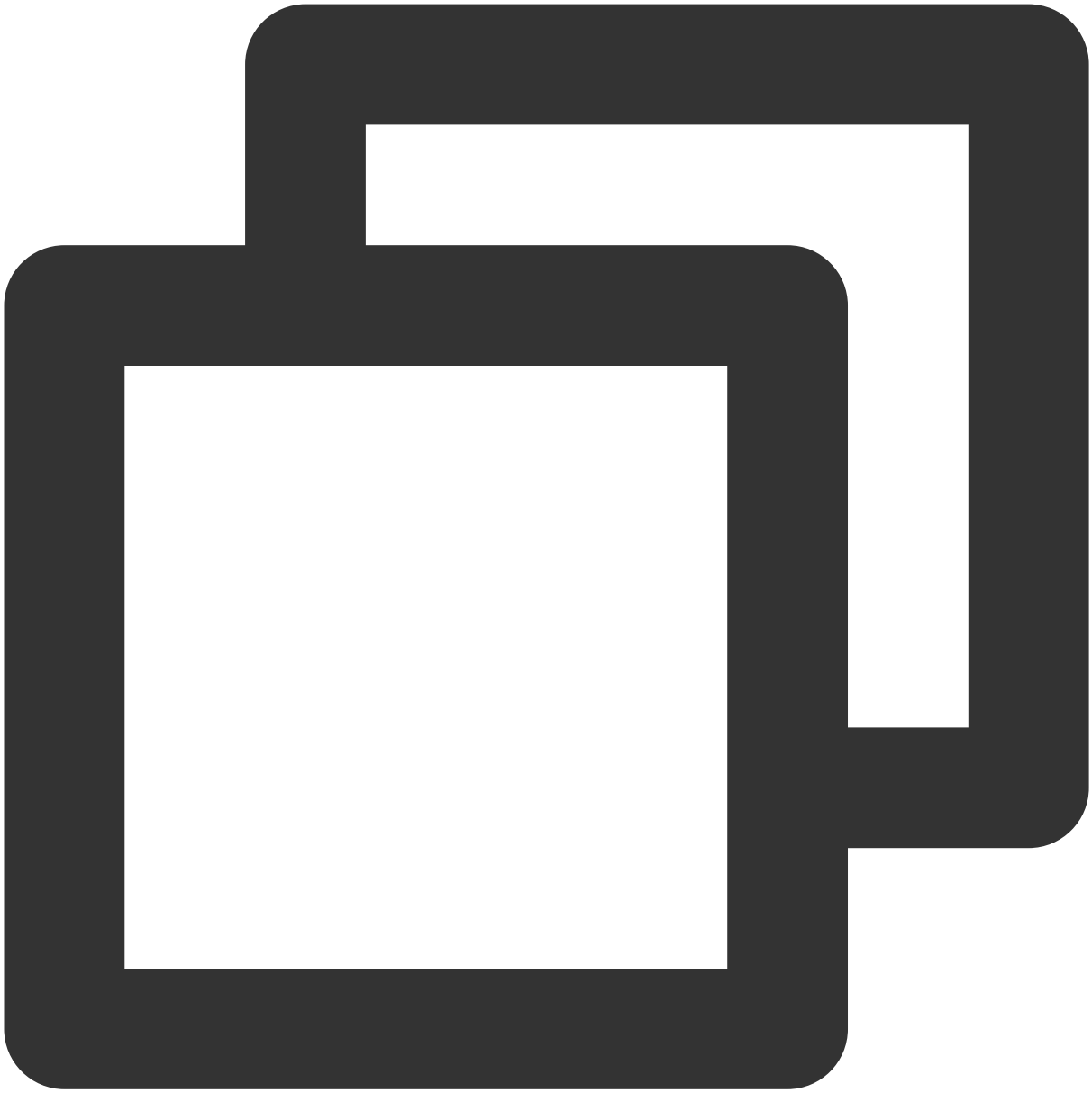
Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "C2CUnreadMsgNumList": [
        {
            "Peer_Account": "dramon2",
            "C2CUnreadMsgNum": 12
        },
```

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```
        {
            "Peer_Account": "teacher",
            "C2CUnreadMsgNum": 12
        }
    ]
}
```

Request fields

Field	Type	Required	Description
To_Account	String	Yes	`UserID` of the user to query
Peer_Account	Array	No	`UserID` of the other party in the conversation to query This field is required to query a specific one-to-one conversation. The array can contain up to 10 `UserID` values.

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
AllC2CUnreadMsgNum	Integer	Total unread message count of all conversations
C2CUnreadMsgNumList.Peer_Account	String	`UserID` of the other party in the one-to-one conversation
C2CUnreadMsgNumList.C2CUnreadMsgNum	Integer	Unread message count in the one-to-one conversation
ErrorList.Peer_Account	String	Target account for which the query failed
ErrorList.ErrorCode	Integer	Error code. `70107` indicates that the account does not exist.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively.

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For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
90001	Failed to parse the JSON request. Make sure the format is valid.
90003	The `To_Account` field is missing in the JSON request, or the account specified by `To_Account` does not exist.
90008	The `From_Account` field is missing in the JSON request, or the account specified by `From_Account` does not exist.

References

Sending One-to-One Messages to One User (v4/openim/sendmsg)

Sending One-to-One Messages to Multiple Users (v4/openim/batchsendmsg)

Querying One-to-One Messages (v4/openim/admin_getroammsg)

Recalling One-to-One Messages (v4/openim/admin_msgwithdraw)

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Delete Session
Deleting a conversation

Last updated：2024-07-16 10:52:15

Feature Overview

This API is used to delete a conversation. It can also clear roaming messages.

API Calling Description

Sample request URL

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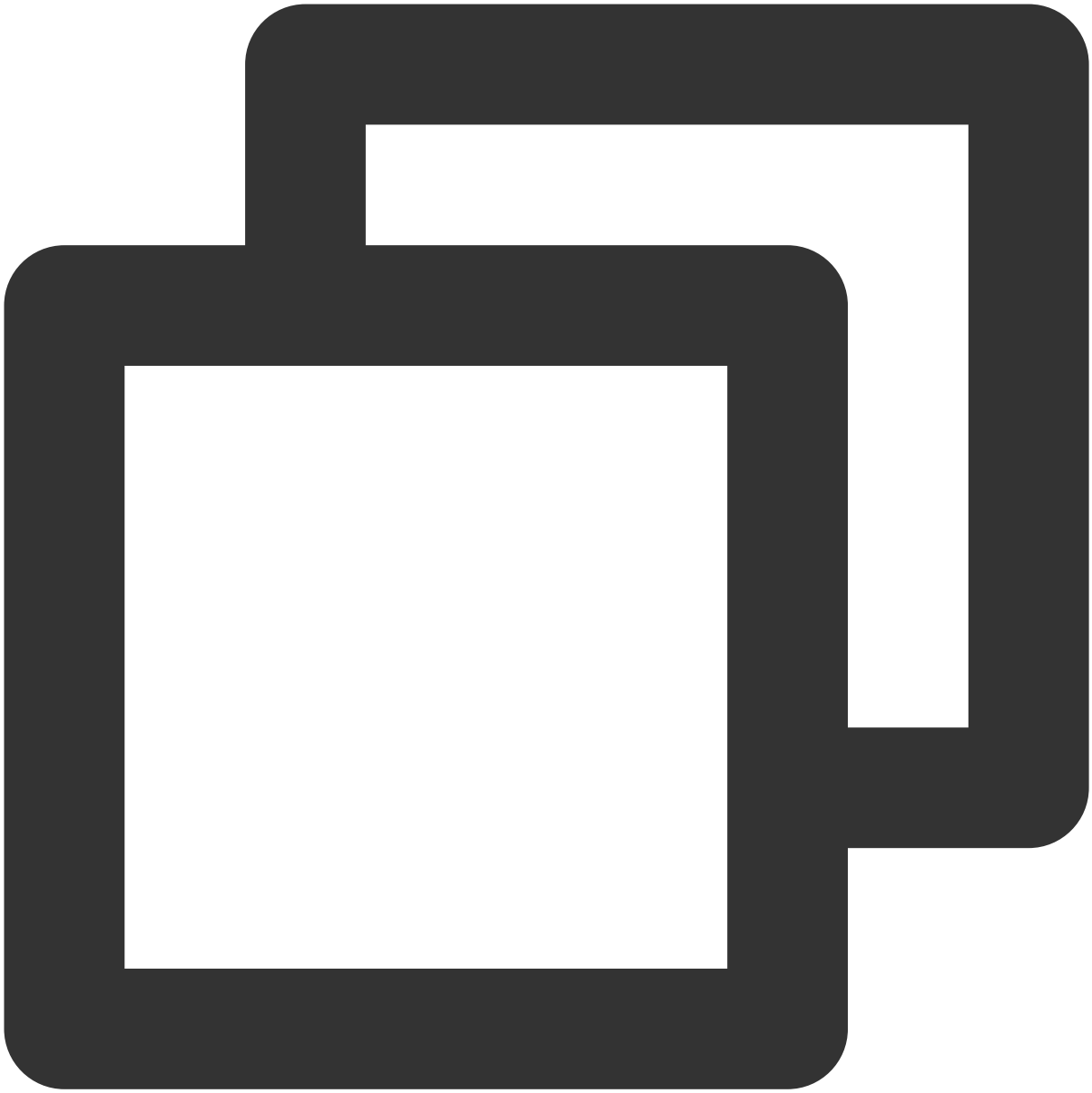

```
https://xxxxxx/v4/recentcontact/delete?sdkappid=88888888&identifier=admin&usersig=x
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/delete	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Deleting a one-to-one conversation

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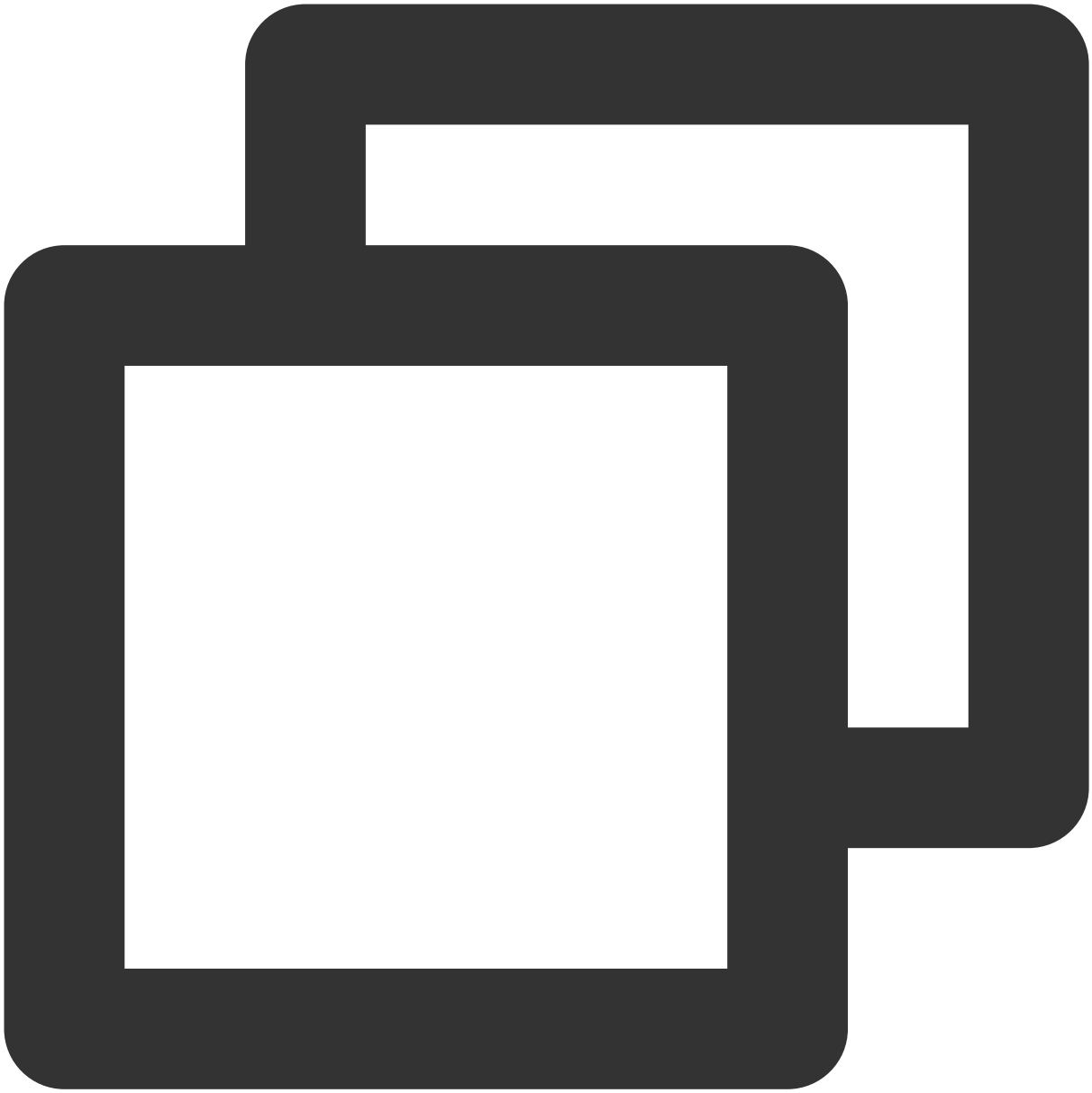

```
{
    "From_Account":"id1",
    "Type":1,
    "To_Account":"id2",
    "ClearRamble":1
}
```

Deleting a group conversation

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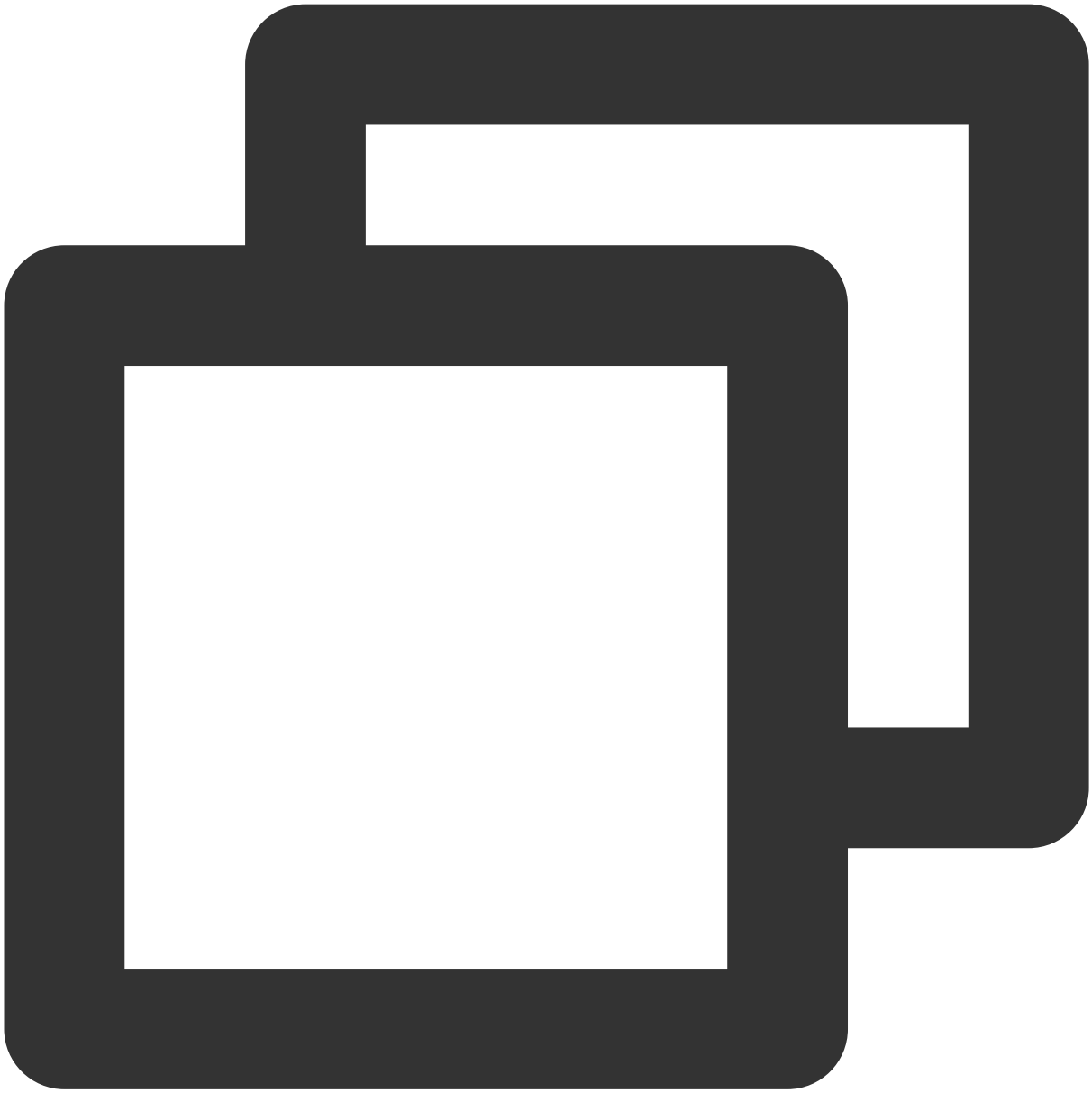

```
{
    "From_Account":"id1",
    "Type":2,
    "ToGroupid":"id2",
    "ClearRamble":1
}
```

Request fields

Field	Type	Required	Description

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From_Account	String	Yes	`UserID` of the account for which to delete a conversation
Type	Integer	Yes	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
To_Account	String	No	UserID of the other conversation participant, which will be assigned a value only for a one-to-one conversation
ToGroupid	string	No	Group ID, which will be assigned a value only for a group conversation.
ClearRamble	Integer	No	Whether to clear roaming messages. `1` : yes; `0` : no

Sample response

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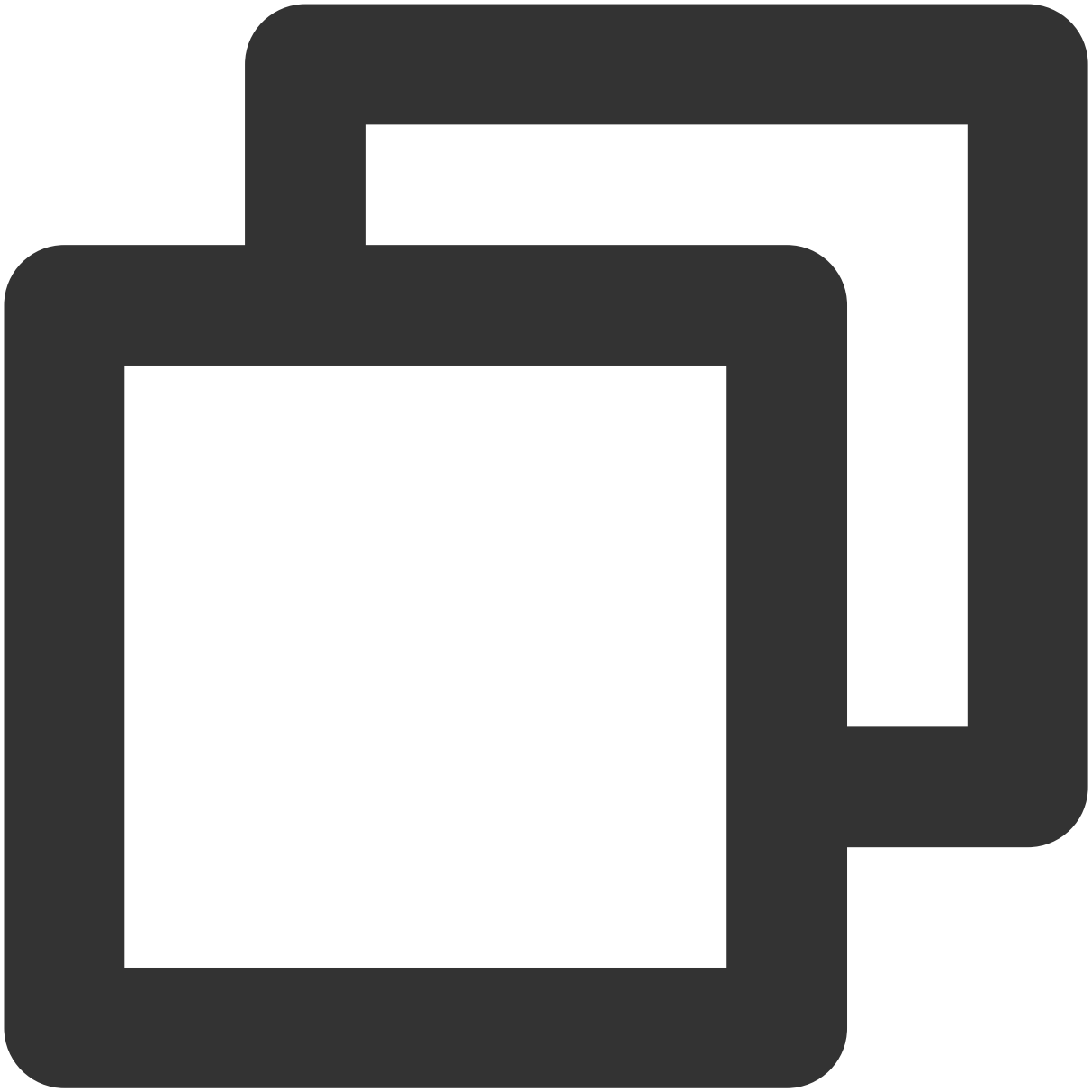

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description

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ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error message
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Session Grouping Tag
Creating Conversation Group Data

Last updated：2024-07-16 10:52:14

Feature Overview

Conversation group mark data is independent of recent contacts. You can use RESTful APIs to add, delete, modify, and query conversation group, standard conversation mark, custom conversation mark, and other fields. Conversation group marks support up to 1,000 conversations, and up to 20 conversation groups can be added for each user. This API can be used to update conversation group data. Only the Premium edition supports conversation group data operations.

API Calling Description

Sample request URL

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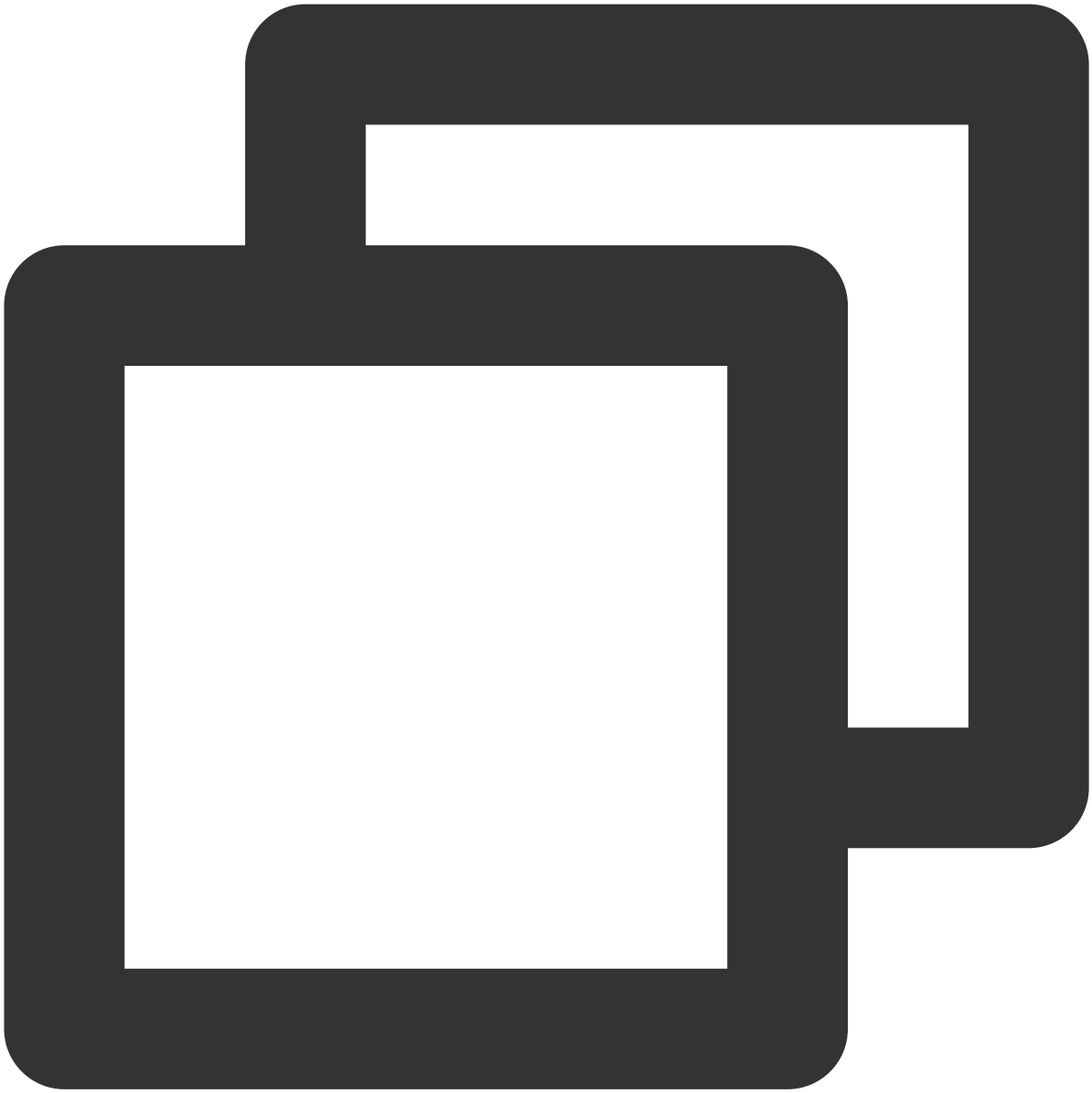

```
https://xxxxxx/v4/recentcontact/create_contact_group?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/create_contact_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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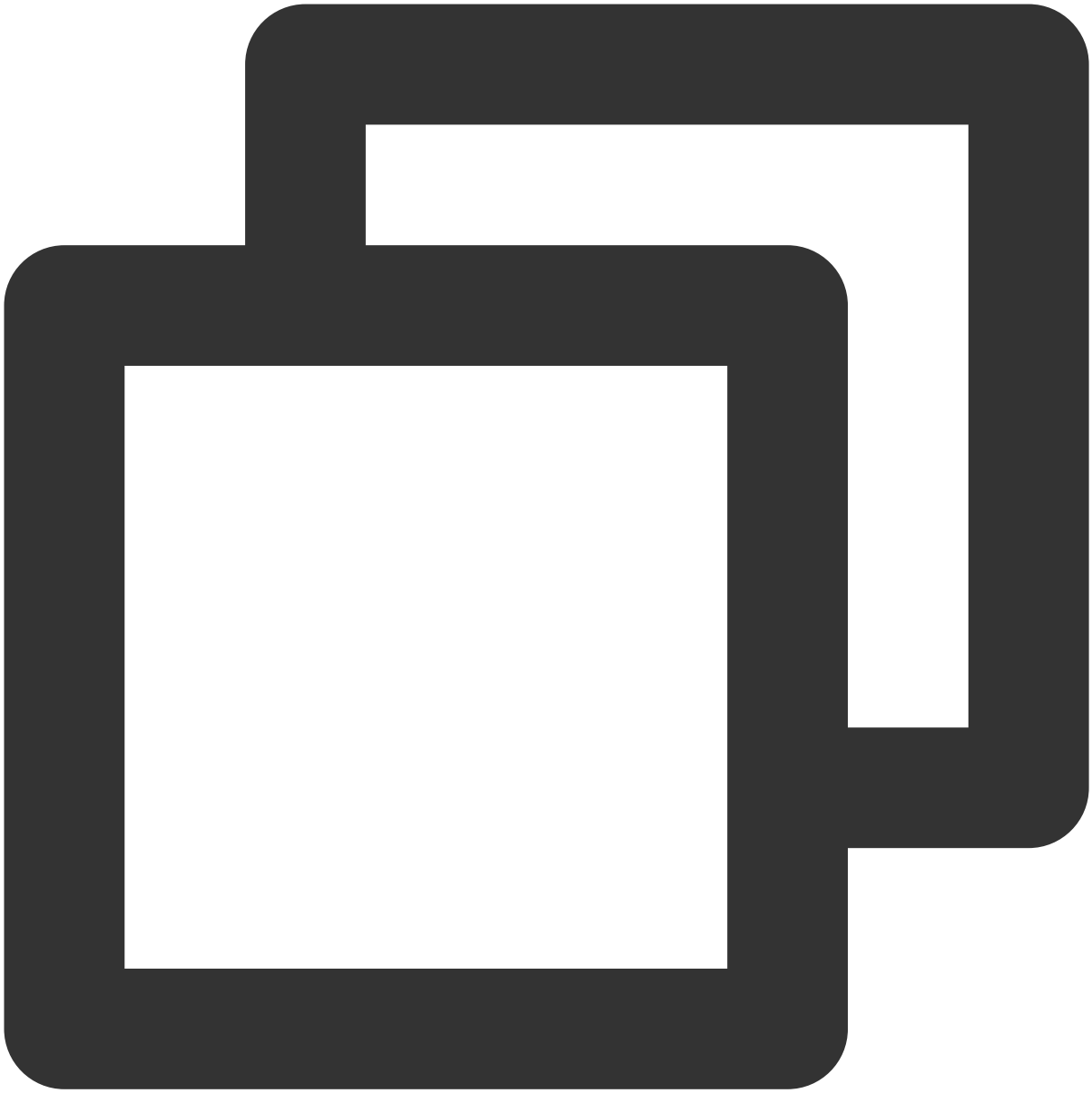

```
{
    "From_Account":"user15",
    "GroupContactItem":[
        {
            "GroupName":"test0",
            "ContactItem": [
                {
                    "Type": 1,
                    "To_Account": "user0"
                }
            ]
```

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```
            }
        ]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester
GroupContactItem	Array	Yes	Conversation group to be added. Only one conversation group can be added at a time.
GroupName	String	Yes	Name of the conversation group to be added, which can contain up to 32 bytes
ContactItem	Array	Yes	List of conversations to be added
Type	Integer	Yes	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	No	Group ID
To_Account	String	No	User ID

Sample response

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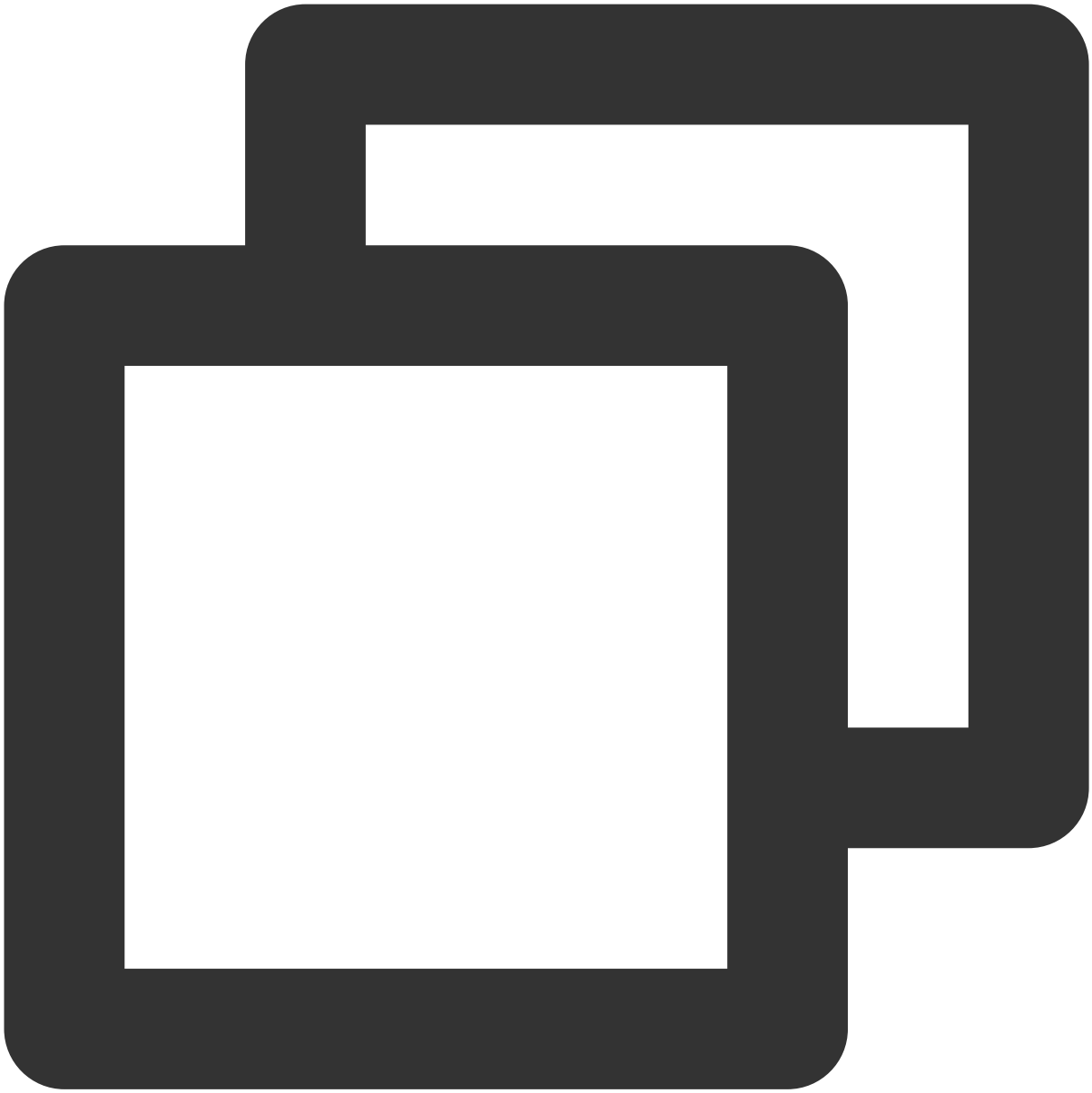

```
{
    "GroupResultItem": [
        {
            "GroupItem": {
                "GroupName": "test2",
                "GroupId": 2
            },
            "ResultItem": [
                {
                    "ContactItem": {
                        "Type": 1,
```

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```
                        "To_Account": "user1"
                    },
                    "ResultCode": 0,
                    "ResultInfo": ""
                }
            ]
        }
    ],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupResultItem	Array	Result of the conversation group adding
GroupItem	Object	Conversation group object
GroupName	String	Conversation group name
GroupId	Integer	Conversation group ID
ResultItem	Array	Operation result
ContactItem	Integer	Conversation object
Type	Integer	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Group ID
To_Account	String	User ID
ResultCode	Integer	Error code in the conversation operation result. `0` : Successful
ResultInfo	String	Error description in the conversation operation result

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.
51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Updating Conversation Group Data

Last updated：2024-07-16 10:52:15

Feature Overview

Conversation group mark data is independent of recent contacts. You can use RESTful APIs to add, delete, modify, and query conversation group, standard conversation mark, custom conversation mark, and other fields. Conversation group marks support up to 1,000 conversations. This API can be used to update conversation group data. Only the Premium edition supports conversation group data operations.

API Calling Description

Sample request URL

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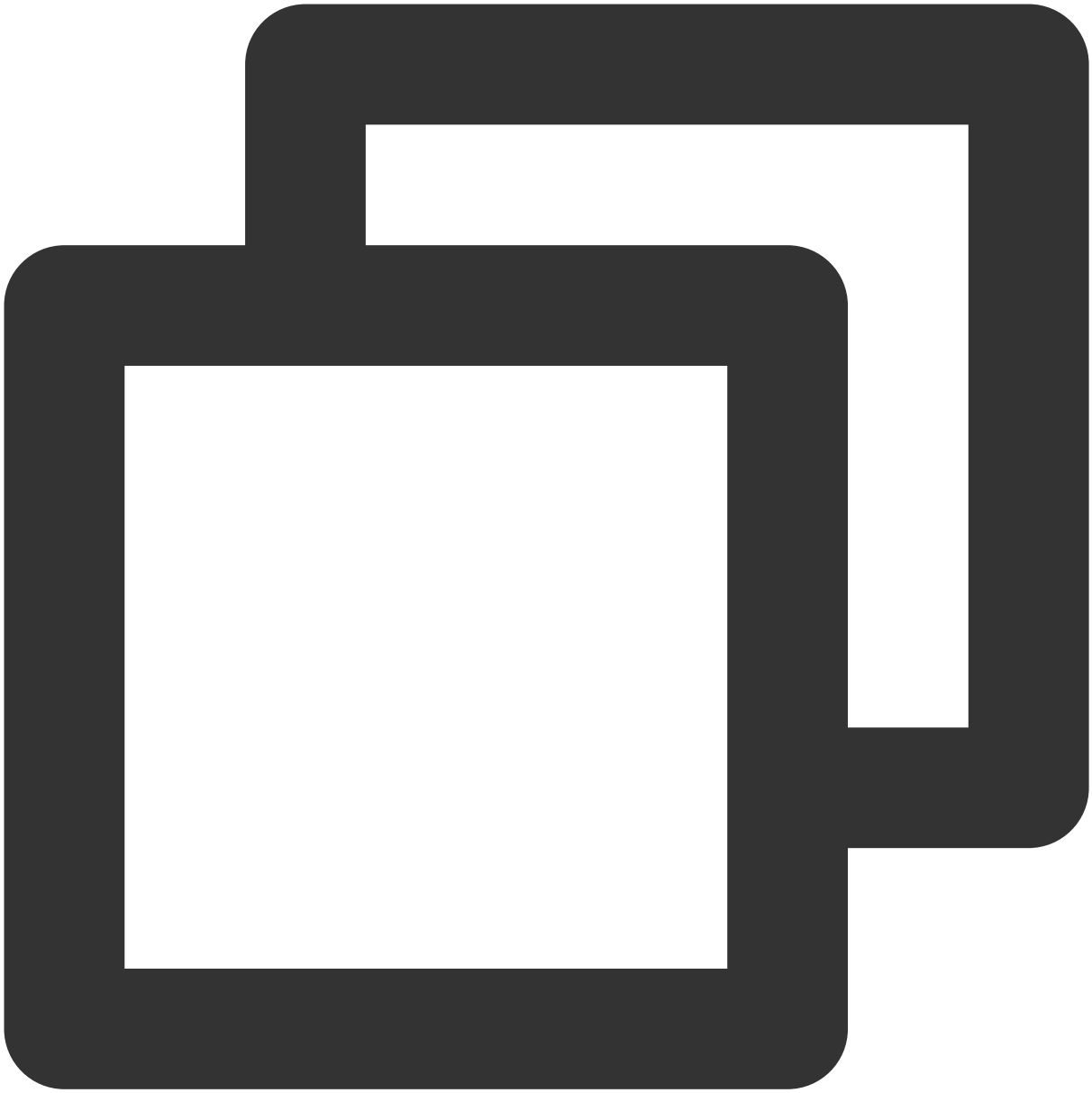

```
https://xxxxxx/v4/recentcontact/update_contact_group?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/update_contact_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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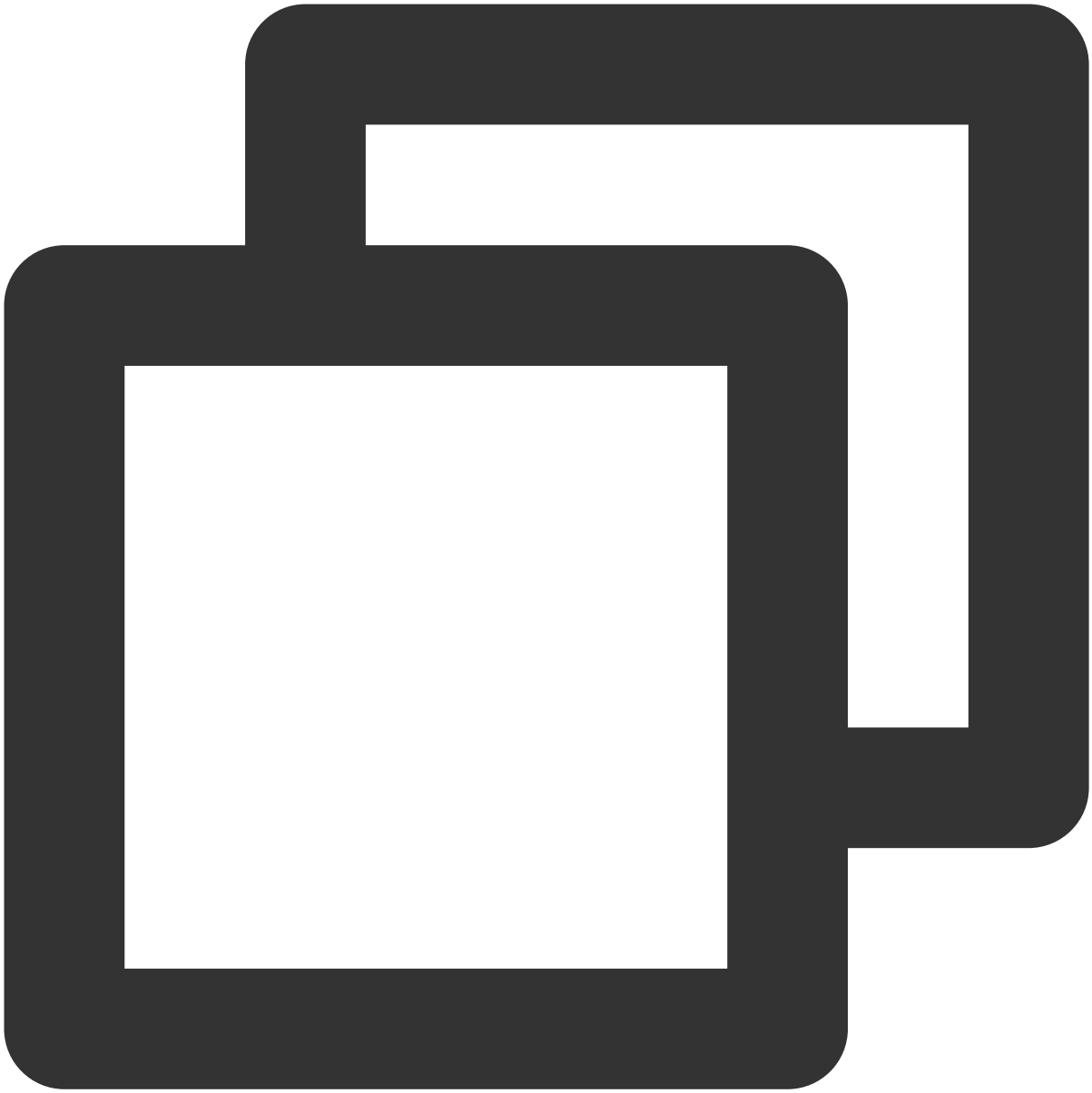

```
{
    "From_Account":"user20",
    "UpdateType":1,
    "UpdateGroup":{
        "UpdateGroupType":2,
        "OldGroupName":"test1",
        "ContactUpdateItem":[
            {
                "ContactOptType":1,
                "ContactItem":{
                    "Type": 1,
```

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```
                    "To_Account": "user1"
                }
            }
        ]
    }
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester
UpdateType	Integer	Yes	`1` : Adding a conversation to or deleting a conversation from a group
UpdateGroup	Object	Yes	Adding a conversation to or deleting a conversation from a group
UpdateGroupType	Integer	Yes	Update type. `1` : Updating the group name; `2` Updating the conversation group
OldGroupName	String	Yes (when `UpdateGroupType` is 1)	Group name to be updated
NewGroupName	String	Yes (when `UpdateGroupType` is 1)	Updated group name, which can be up to 32 bytes
ContactUpdateItem	Array	No	Conversation to be updated
ContactOptType	Integer	Required	Update type. `1` : Adding a conversation to a group; `2` : Deleting a conversation from a group.
ContactItem	Object	Yes	Conversation object
Type	Integer	Yes	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Yes	Group ID
To_Account	String	Yes	User ID

Sample response

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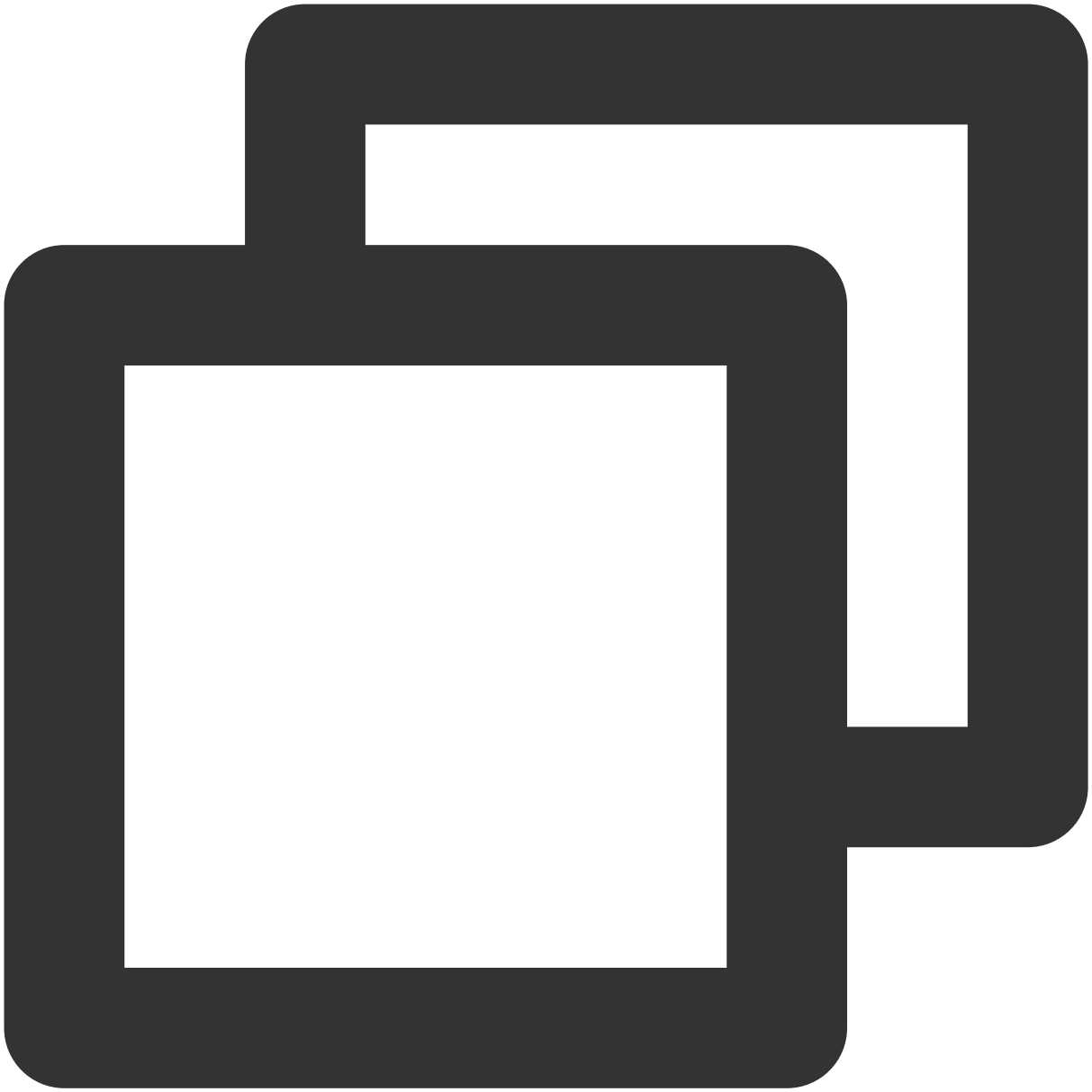


```
{
    "UpdateType": 1,
    "UpdateGroupResult": {
        "UpdateGroupType": 2,
        "GroupName": "test1",
        "GroupId": 1,
        "OldGroupName": "test1",
        "ContactResultItem": [
            {
                "ContactOptType": 1,
                "ContactItem": {
```


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```
                    "Type": 1,
                    "To_Account": "user1"
                },
                "ResultCode": 0,
                "ResultInfo": ""
            }
        ]
    },
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
UpdateType	Integer	Required
UpdateGroupResult	Object	Group update result
UpdateGroupType	Integer	Yes
GroupName	String	Current group name
OldGroupName	String	Original group name
GroupId	Integer	Current group ID
ContactResultItem	Array	Conversation operation result
ContactOptType	Integer	Required
ContactItem	Object	Conversation object
Type	Integer	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Group ID
To_Account	String	User ID
ResultCode	Integer	Error code in the conversation operation result. `0` : Successful

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ResultInfo	String	Error description in the conversation operation result

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.
51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Deleting Conversation Group Data

Last updated：2024-07-16 10:52:15

Feature Overview

This API is used to delete users' conversation group data. Only the Premium edition supports conversation group data operations.

API Calling Description

Sample request URL

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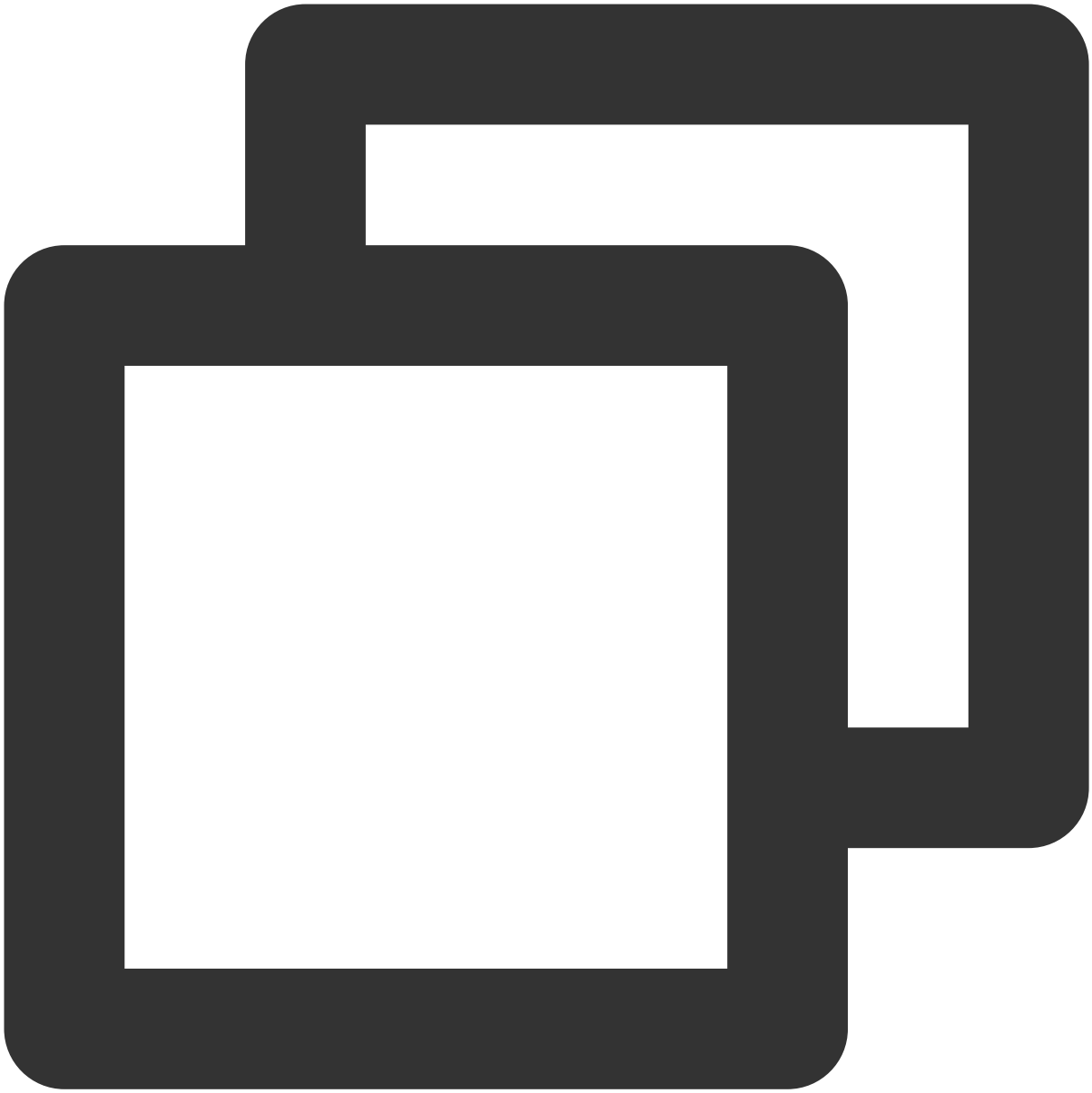

```
https://xxxxxx/v4/recentcontact/del_contact_group?sdkappid=88888888&identifier=admi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/del_contact_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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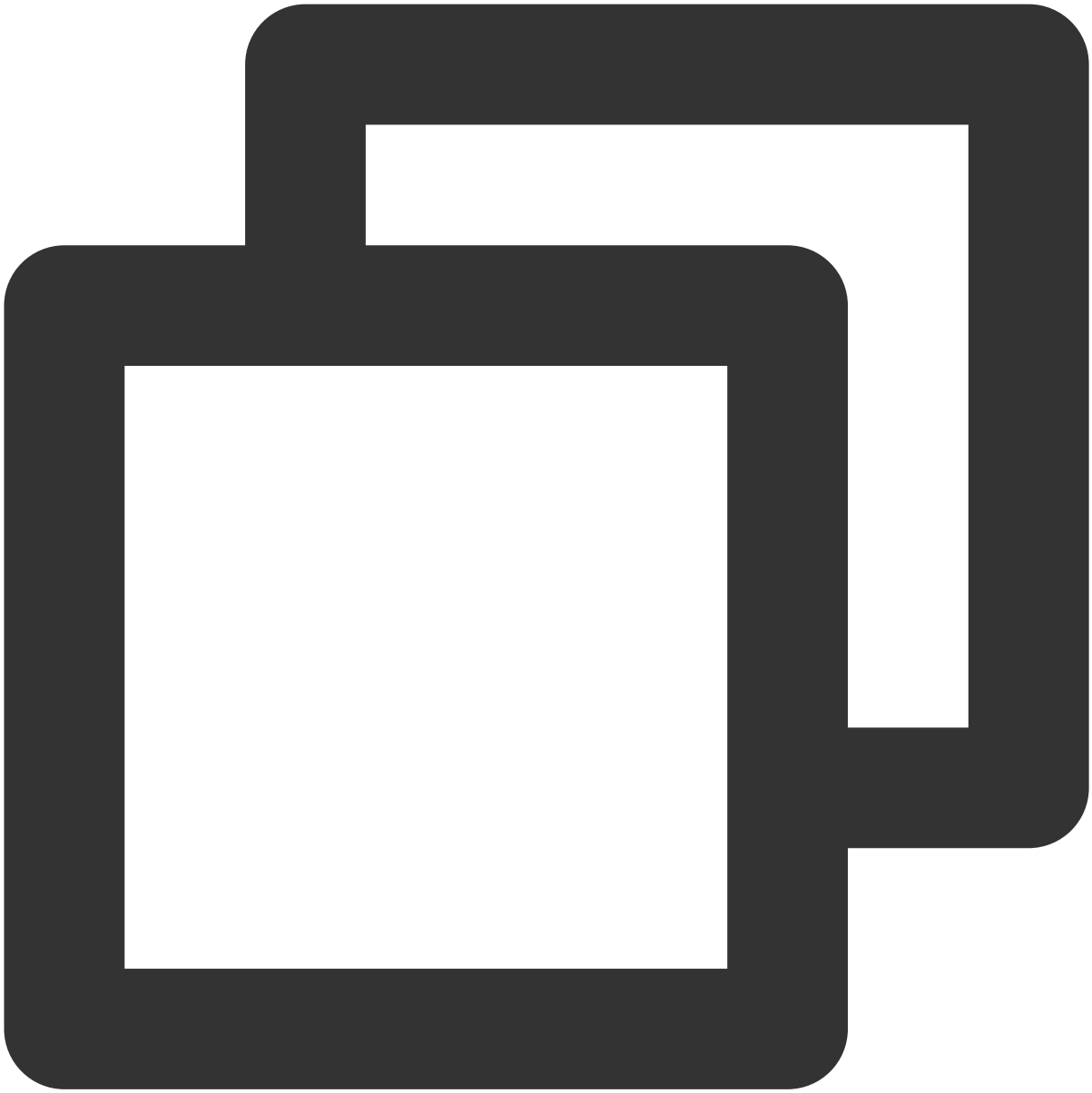

```
{
    "From_Account":"user15",
    "GroupName":["test0"]   // Currently, only one conversation group can be delete
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester

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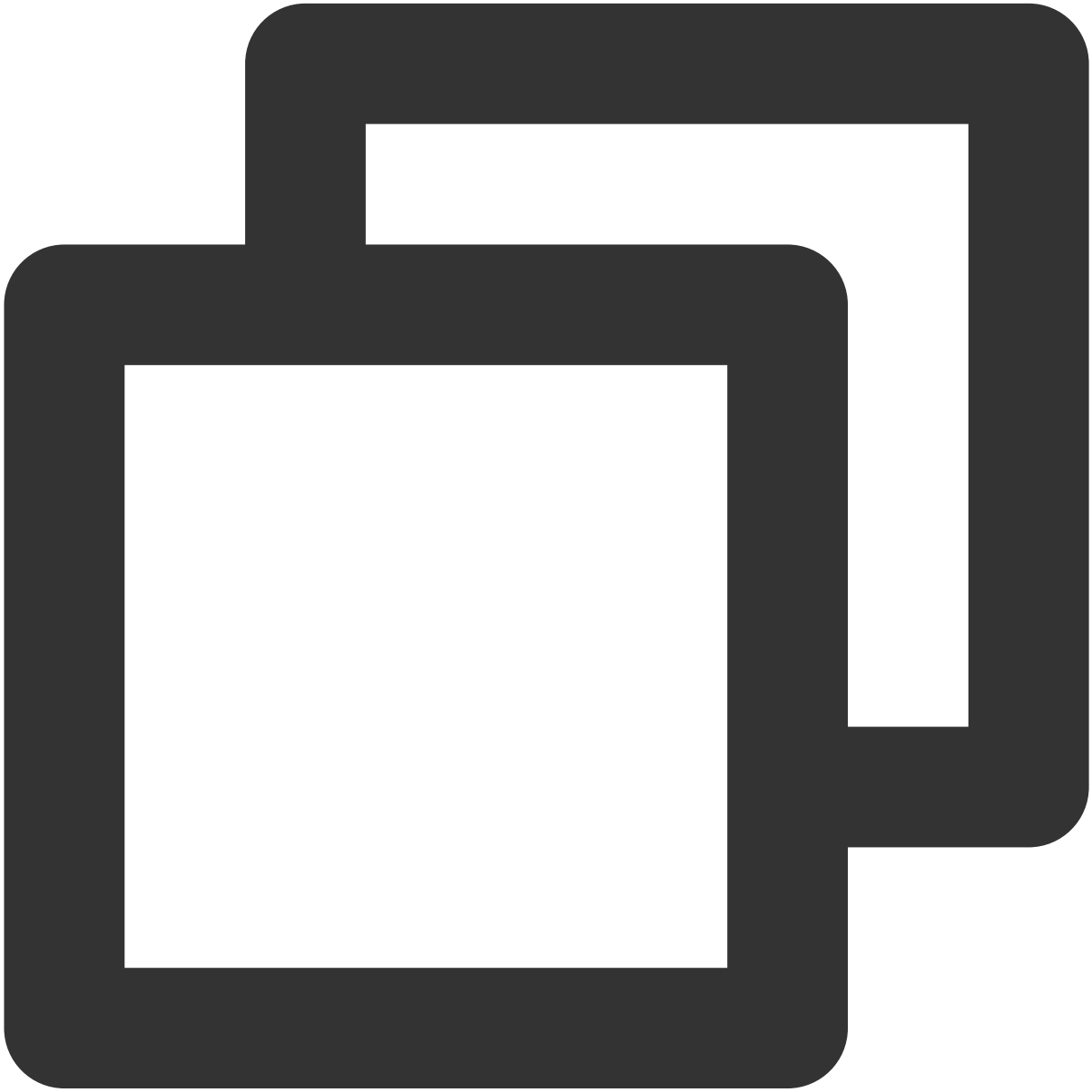
GroupName	Array	Yes	List of conversation groups to be deleted. Currently, only one conversation group can be deleted at a time.

Sample response



```
{
    "GroupItem": [
        {
            "GroupName": "test0",
            "GroupId": 2
```

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```
            }
        ],
        "ActionStatus": "OK",
        "ErrorCode": 0,
        "ErrorInfo": ""
    }
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupItem	Array	Group object to be deleted
GroupName	String	Name of the conversation group to be deleted
GroupId	Integer	ID of the conversation group to be deleted

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.

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50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.
51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Creating or Updating Conversation Mark Data

Last updated：2024-07-16 10:52:15

Feature Overview

Conversation group mark data is independent of recent contacts. You can use RESTful APIs to add, delete, modify, and query conversation group, standard conversation mark, custom conversation mark, and other fields. Conversation marks support up to 1,000 conversations. This API can be used to create or update standard or custom conversation marks. Only the Premium edition supports standard conversation mark operations, and custom conversation mark operations have no such restrictions.

API Calling Description

Sample request URL

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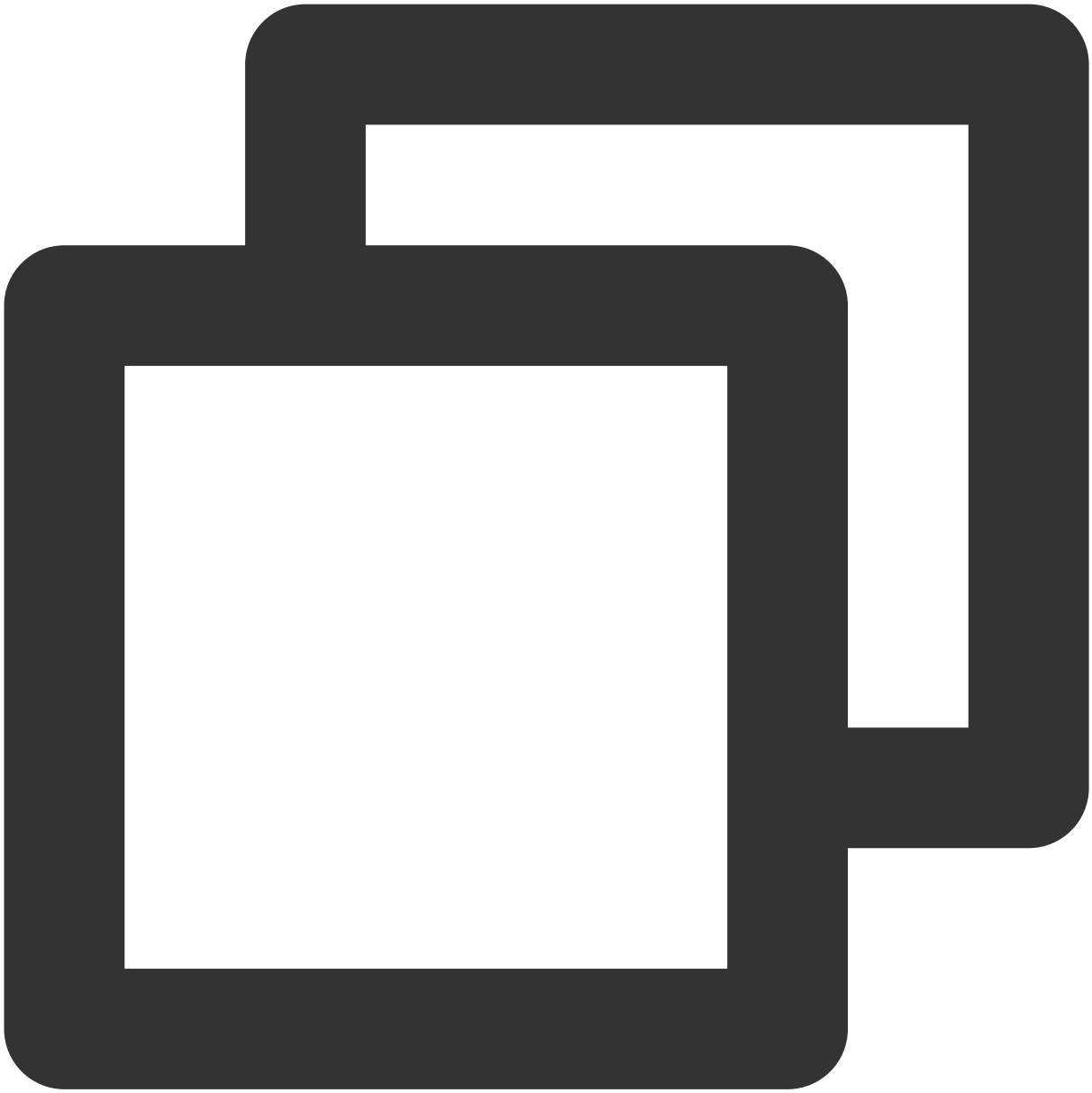

```
https://xxxxxx/v4/recentcontact/mark_contact?sdkappid=88888888&identifier=admin&use
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/mark_contact	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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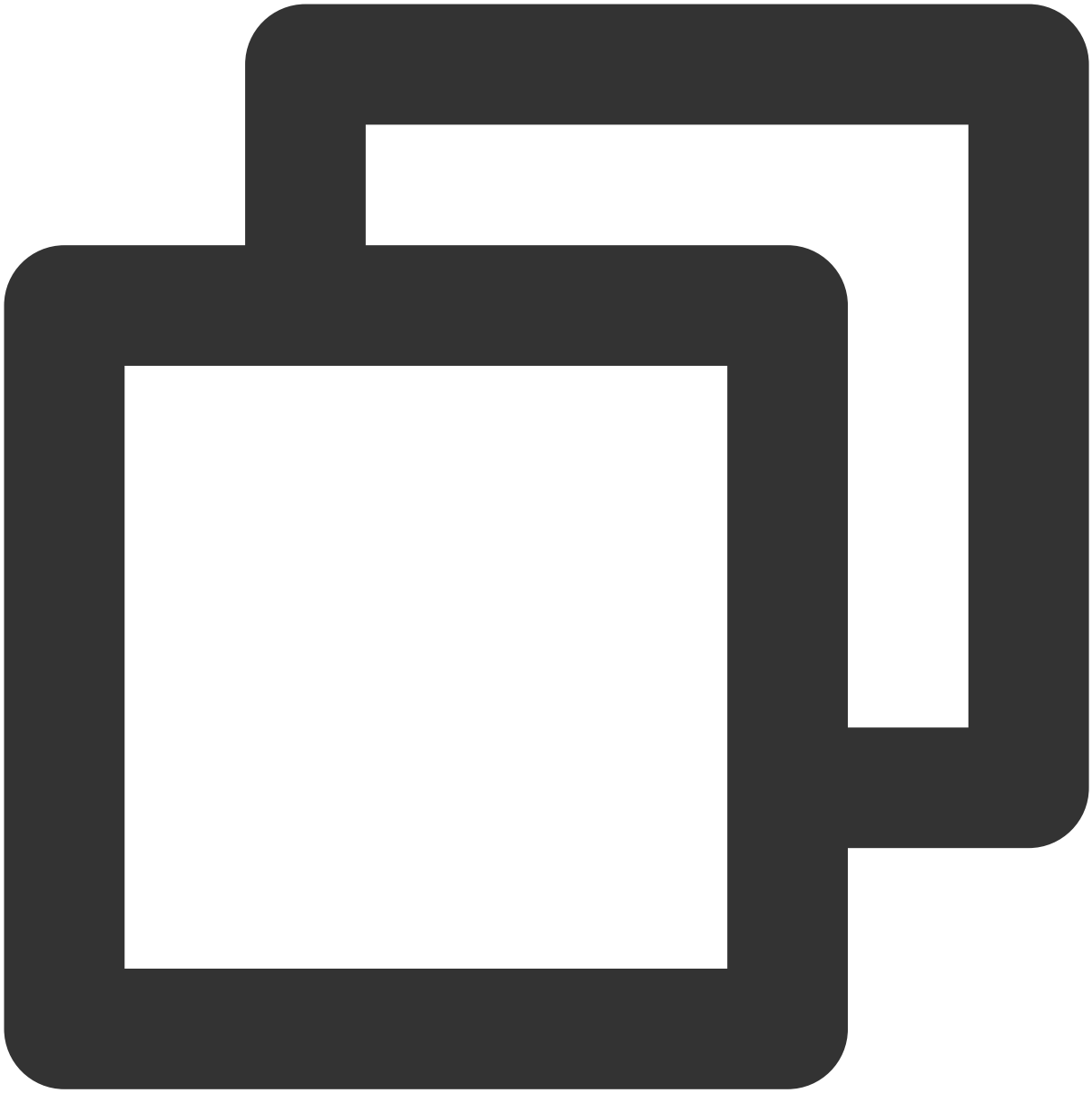

```
{
    "From_Account":"user0",
    "MarkItem":[
        {
            "OptType":3,
            "ContactItem":{
                "Type":1,
                "To_Account":"user1"
            },
            "SetMark":[1,2,3],
            "CustomMark":"abcd"
```

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```
            }
        ]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester
MarkItem	Array	Yes	Array of conversation marks. The array can contain up to 100 conversation marks.
OptType	Integer	Yes	Operation type. `1` : Setting standard conversation marks; `2` : Setting custom conversation marks; `3` : Setting both standard and custom conversation marks
ContactItem	Object	Yes	Conversation object to be operated
Type	Integer	Yes	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	No	Group ID
To_Account	String	No	User ID
ClearMark	Array	No	Sequence number of the bit for which a standard mark is to be canceled. The value `n` indicates to cancel the mark value for bit n.
SetMark	Array	No	Sequence number of the bit for which a standard mark is to be set. The value `n` indicates to set the mark value for bit n.
CustomMark	String	No	Set a custom conversation mark. Up to 256 bytes are supported.

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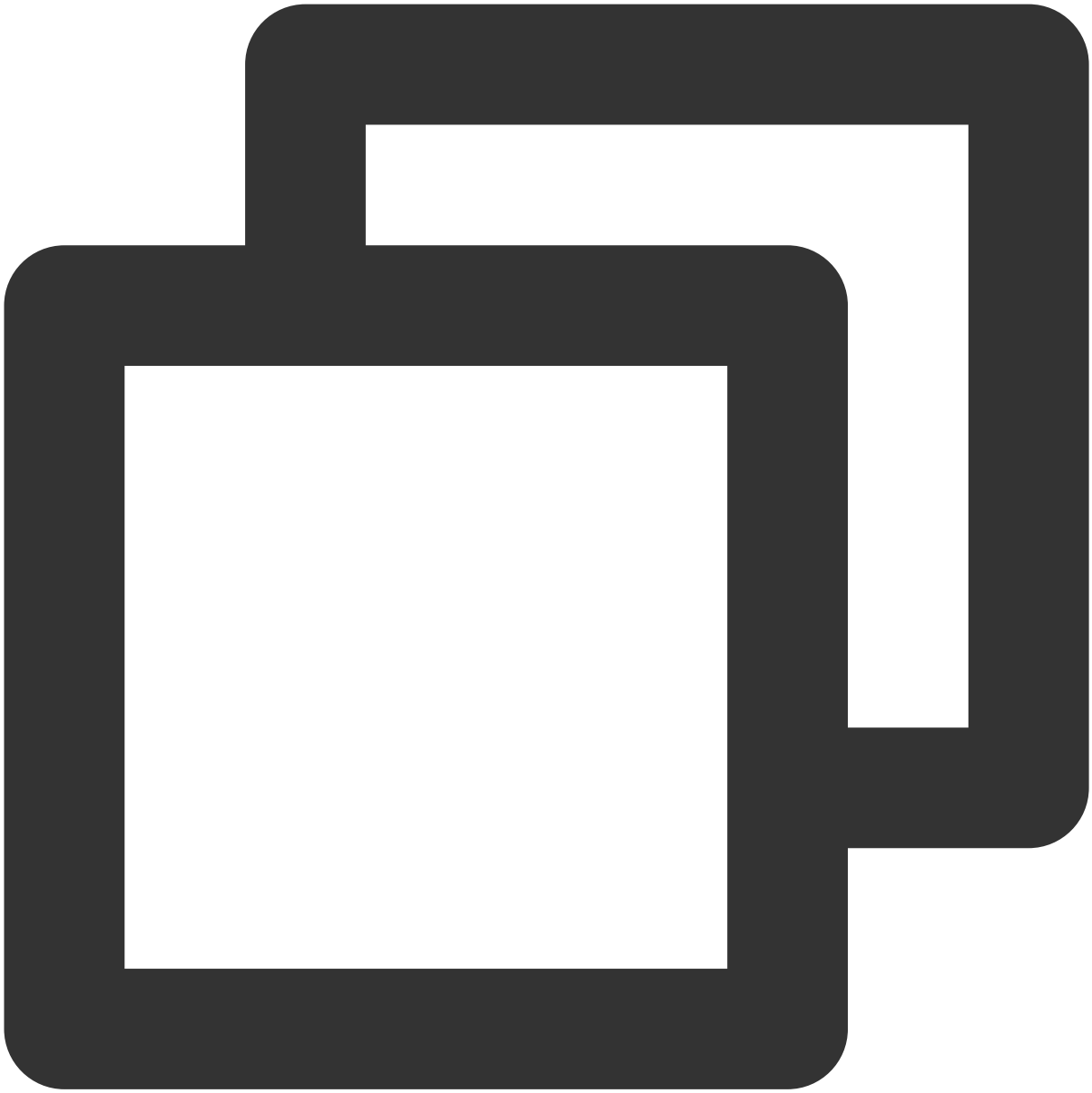

```
A standard conversation mark has 64 bits in total: the first 32 bits are internally
Bit 0: Mark a conversation as "favorite"
Bit 1: Mark a conversation (important conversation) as unread
Bit 2: Mark a conversation as collapsed
Bit 3: Mark a conversation as hidden
```

Sample response

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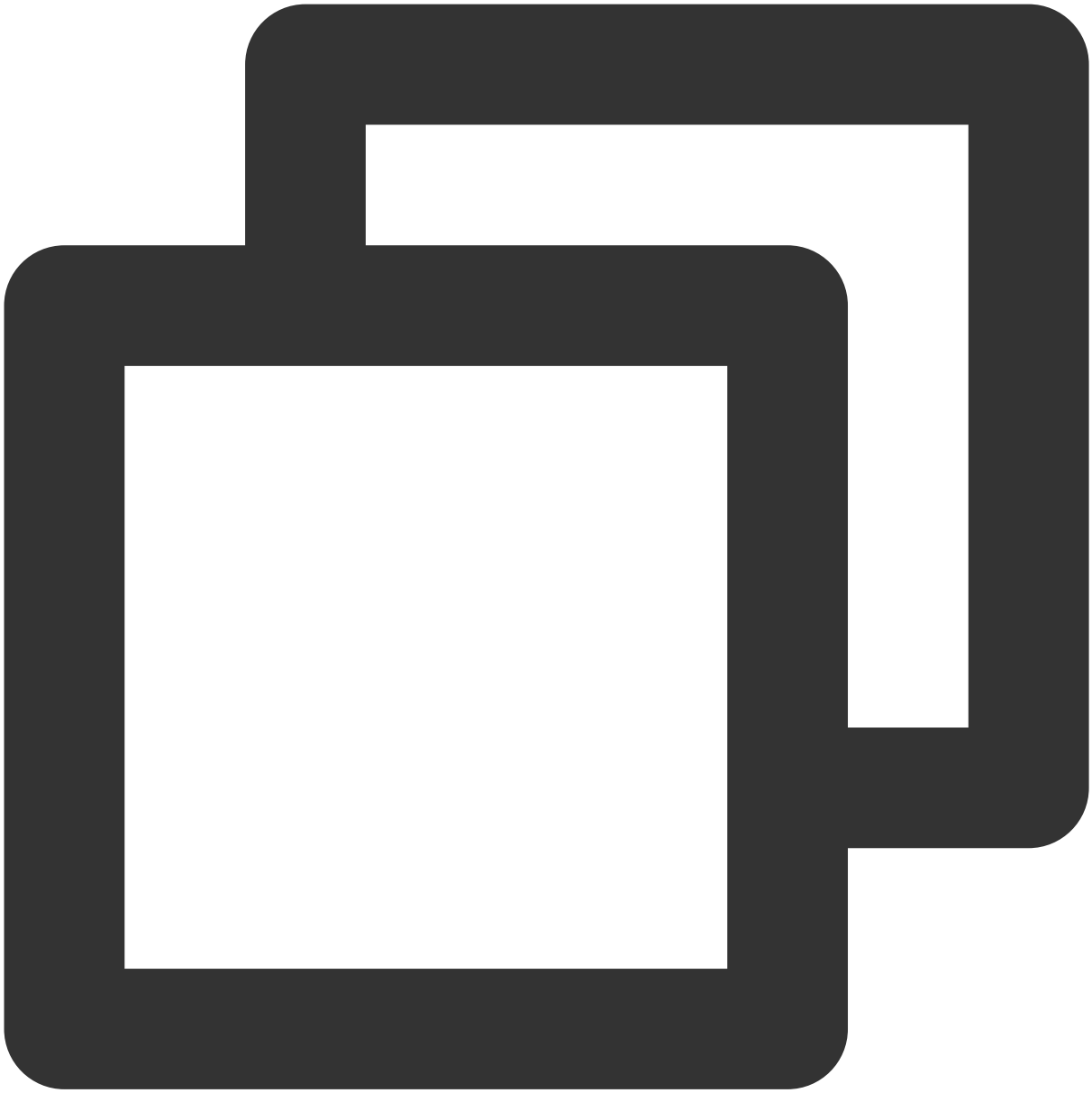

```
{
    "ResultItem": [
        {
            "OptType":3,
            "ContactItem": {
                "Type": 1,
                "To_Account": "user1"
            },
            "ResultCode": 0,
            "ResultInfo": ""
        }
```

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```
    ],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
ResultItem	Array	Conversation mark operation result
OptType	Integer	Yes
ContactItem	Integer	Conversation object
Type	String	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Group ID
To_Account	String	Recipient's user ID
ResultCode	Integer	Error code in the conversation operation result. `0` : Successful
ResultInfo	String	Error description in the conversation operation result

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error	Description

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Code	
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.
51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Searching for Conversation Group Marks

Last updated：2024-07-16 10:52:15

Feature Overview

This API is used to query the conversation group mark data of a specified conversation.

API Calling Description

Sample request URL

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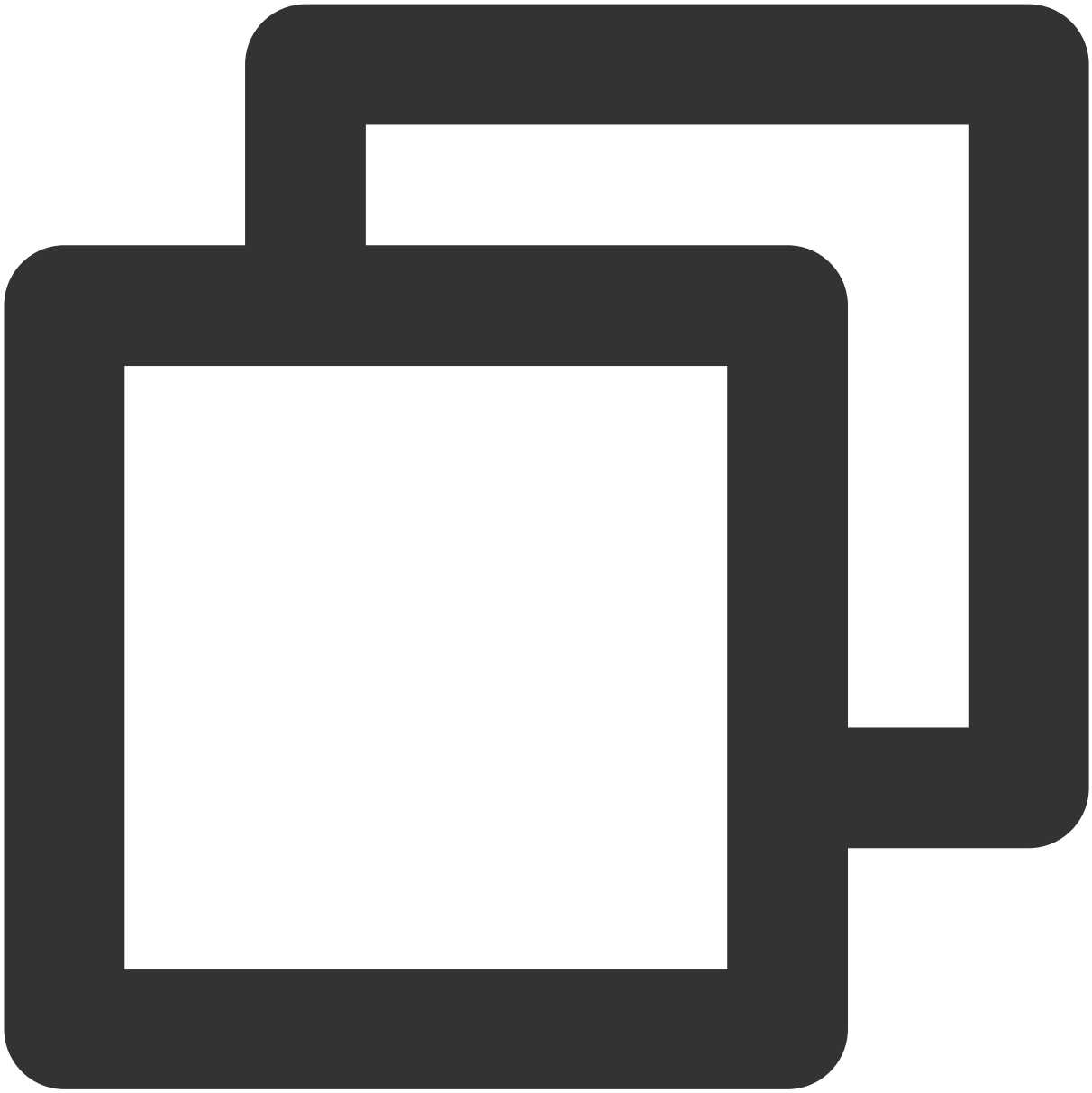

```
https://xxxxxx/v4/recentcontact/search_contact_group?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/search_contact_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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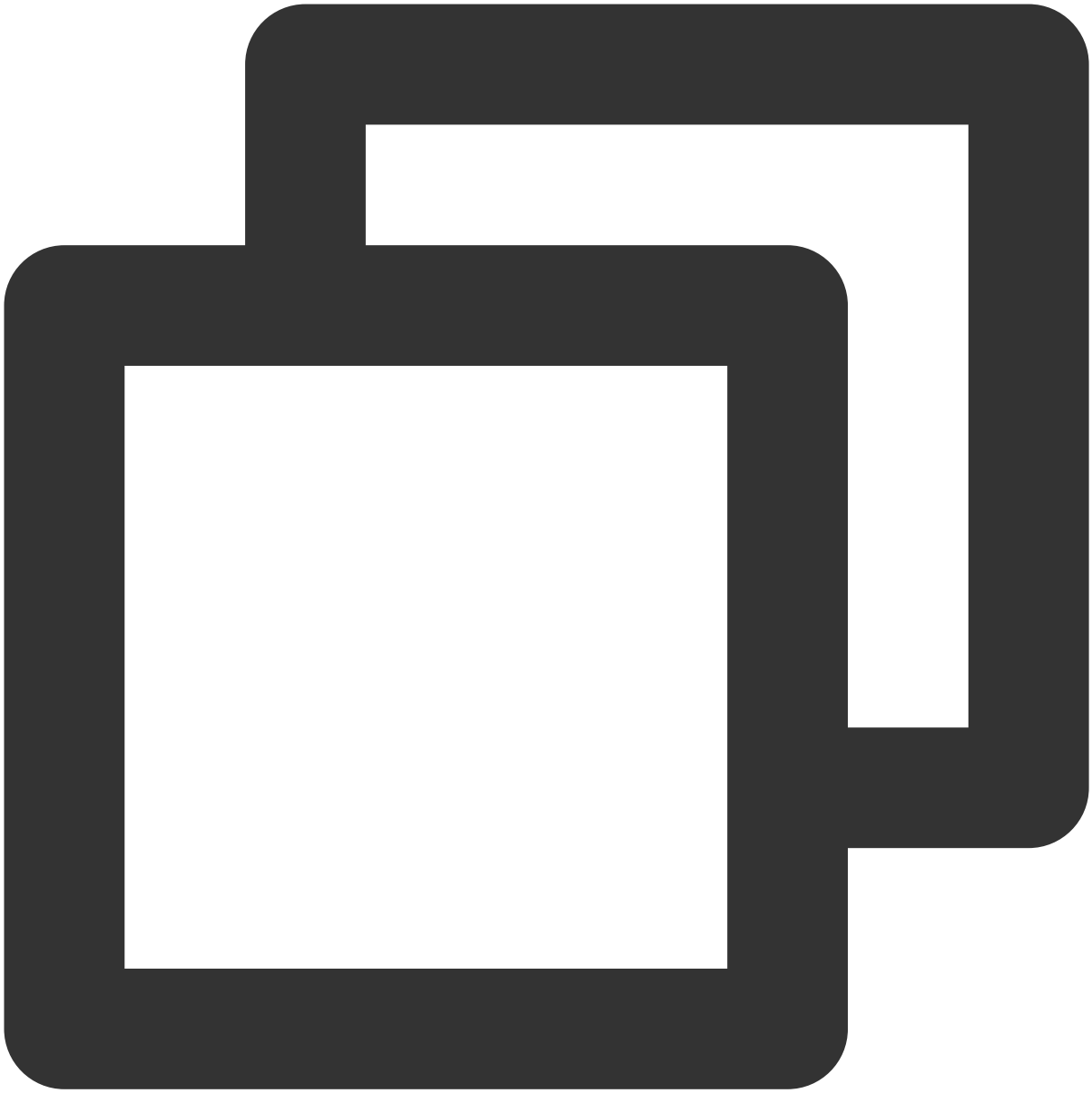

```
{
    "From_Account":"yahaha",
    "ContactItem":[
        {
            "Type":1,
            "To_Account":"xixi"
        }
    ]
}
```

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Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester
ContactItem	Array	List of conversation objects to be searched. Up to 300 conversations can be searched at a time.	
Type	String	Conversation type. `1` : One-to-one conversation; `2` : Group conversation	
ToGroupId	String	Group ID	
To_Account	String	User ID	

Sample response

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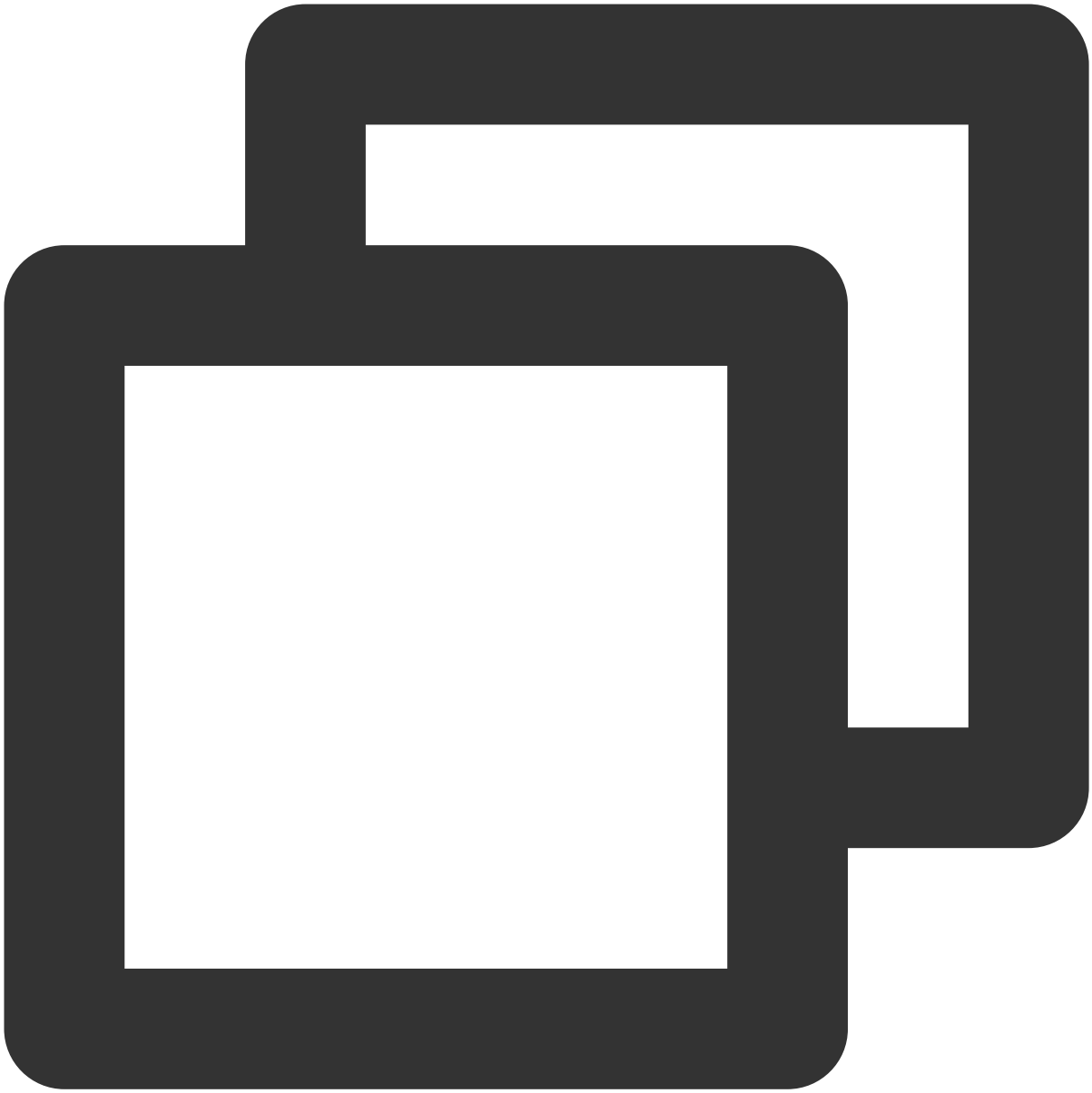

```
{
    "ContactResultItem": [
        {
            "Type": 1,
            "To_Account": "xixi",
            "StandardMark": "11111110",
            "CustomMark": "xxyyyzzzfffffffxxx111111",
            "ContactGroupId": [
                1,
                2
            ],
```

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```
            "Timestamp": 1673500546
        }
    ],
    "GroupItem": [
        {
            "GroupName": "test1x",
            "GroupId": 1
        },
        {
            "GroupName": "test10",
            "GroupId": 2
        }
    ],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```


Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
ContactItem	Integer	Conversation object
Type	String	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Group ID
To_Account	String	User ID
Timestamp	Integer	Last update timestamp of the conversation group
StandardMark	String	Standard mark capability bit, for example, `011111110`
CustomMark	String	Custom mark
ContactGroupId	Array	Group to which the conversation belongs

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.
51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Pulling Conversation Group Mark Data

Last updated：2024-07-16 10:52:14

Feature Overview

This API is used to pull the conversation group mark data of users in batches.

API Calling Description

Sample request URL

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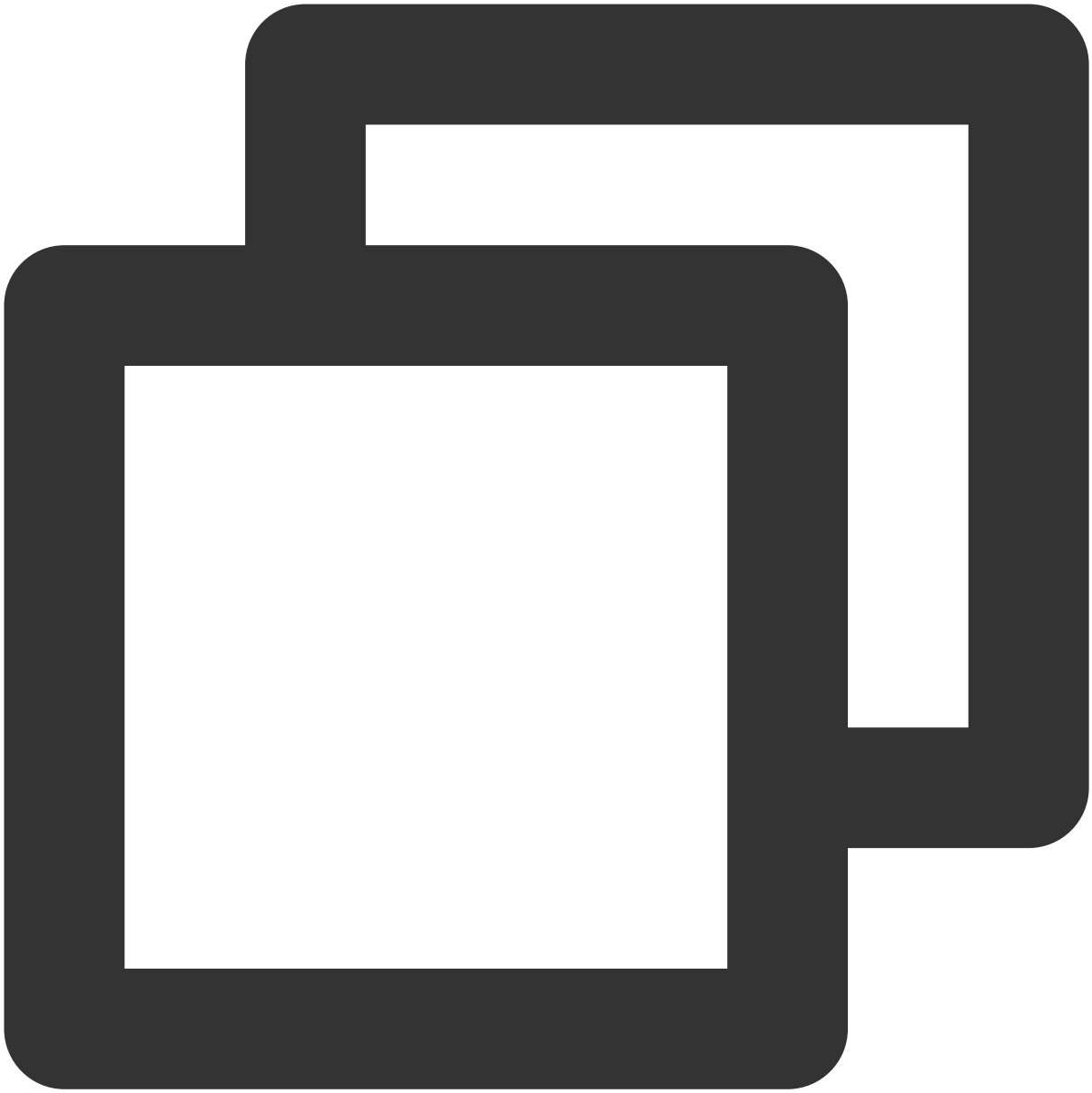

```
https://xxxxxx/v4/recentcontact/get_contact_group?sdkappid=88888888&identifier=admi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/recentcontact/get_contact_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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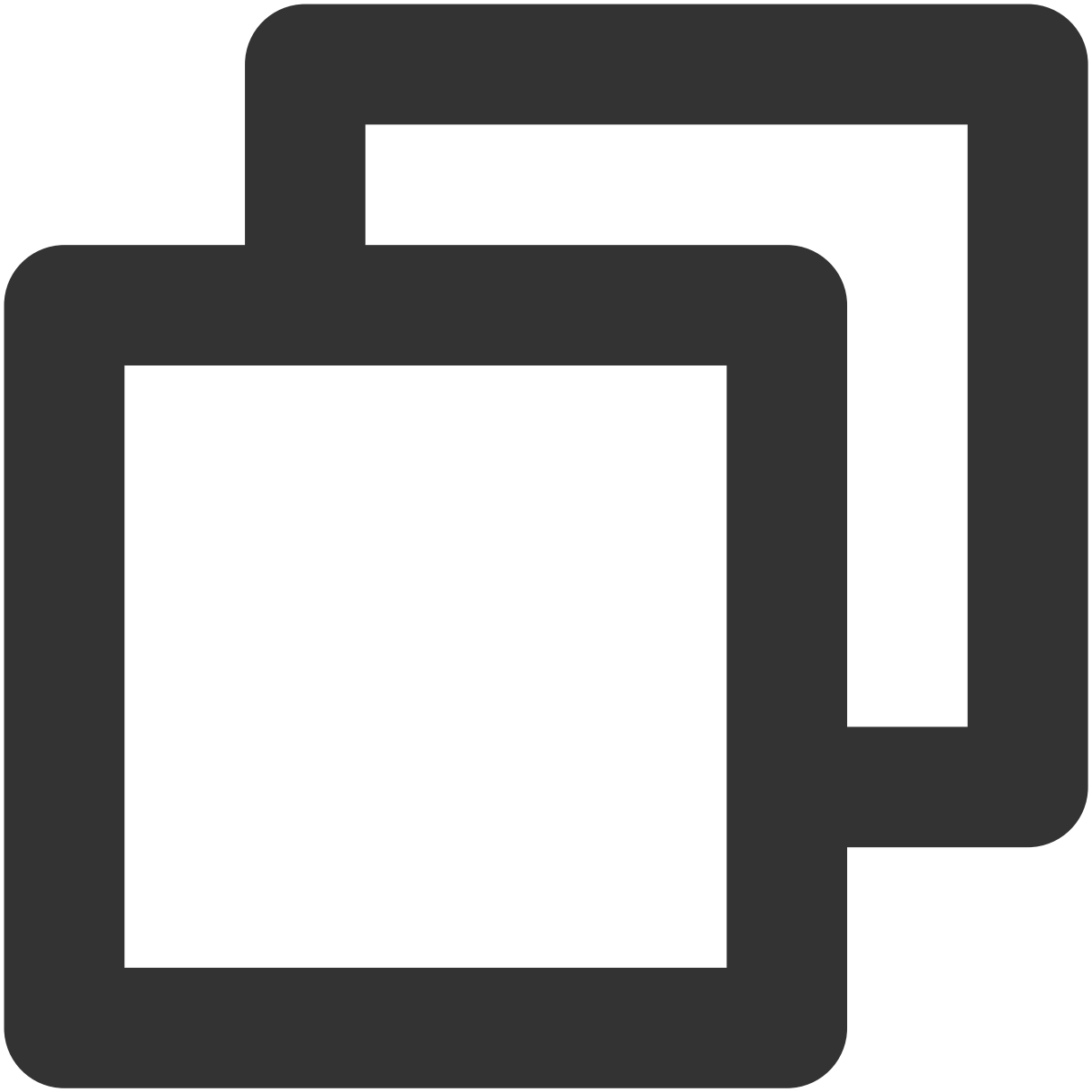

```
{
    "From_Account":"user0",
    "StartIndex":0
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	UID of the requester

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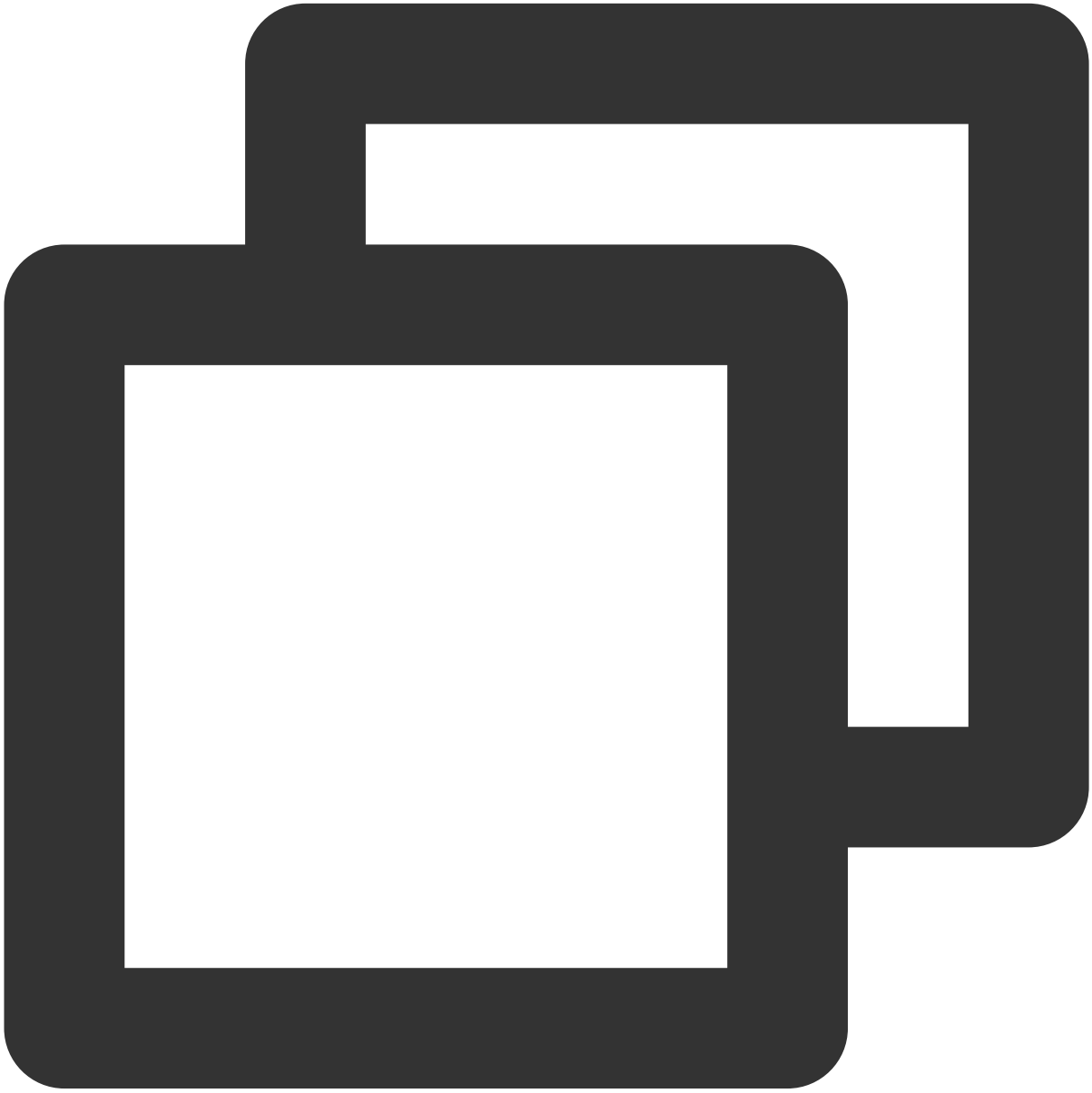
StartIndex	Integer	Yes	Start index for the current page pulling. Enter `0` for the first pull and enter the value of `NextStartIndex` returned last time.

Sample response



```
{
    "ContactItem": [
        {
            "Type": 1,
            "To_Account": "teacher4",
```

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```
            "StandardMark": "111001",
            "ContactGroupId": [
                1,
                2
            ],
            "Timestamp": 1670843110
        },
        {
            "Type": 2,
            "ToGroupId": "@TGS#1N3RSUYG2",
            "StandardMark": "111001",
            "CustomMark": "abcd",
            "Timestamp": 1672998266
        }
    ],
    "GroupItem": [
        {
            "GroupName": "test1x",
            "GroupId": 1
        },
        {
            "GroupName": "test10",
            "GroupId": 2
        }
    ],
    "CompleteFlag": 1,
    "NextStartIndex": 0,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```


Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
ContactItem	Integer	Conversation object
Type	String	Conversation type. `1` : One-to-one conversation; `2` : Group conversation
ToGroupId	String	Group ID

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To_Account	String	User ID
Timestamp	Integer	Last update timestamp of the conversation group
StandardMark	String	Standard mark capability bit, for example, `011111110`
CustomMark	String	Custom mark
ContactGroupId	Array	Group to which the conversation belongs
CompleteFlag	Integer	Required
NextStartIndex	Integer	Required

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
50001	The requested UserID has not been imported into the Tencent Cloud Chat backend. Please import.
50002	Incorrect request parameter. Check your request according to the error description.
50003	The request requires app admin permissions.
50004	Internal server error. Please try again.
50005	Network timeout. Try again later.
51006	When you are modifying conversation mark, the number of conversations is empty or exceeds the upper limit of 100.
51007	Failed to replace GroupID with GroupCode because an internal error occurred or the group was disbanded.
51008	The total number of conversations in the conversation group exceeds 1,000.

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51009	The conversation group does not exist when a deletion attempt is made.
51010	The number of conversation groups exceeds the upper limit of 20.
51011	The conversation group name contains more than 32 bytes.
51012	Exceeded the maximum number of conversations pinned to the top.
51013	If the requested app is not of the Premium edition, an error will be reported when a standard conversation mark or conversation group is modified.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Group Related
Group Management
Getting All Groups in an App

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to obtain the IDs of all groups in an app.

API Calling Description

Applicable group types

Tencent Cloud Chat provides different types of built-in groups. For more information, see Group System.

Sample request URL

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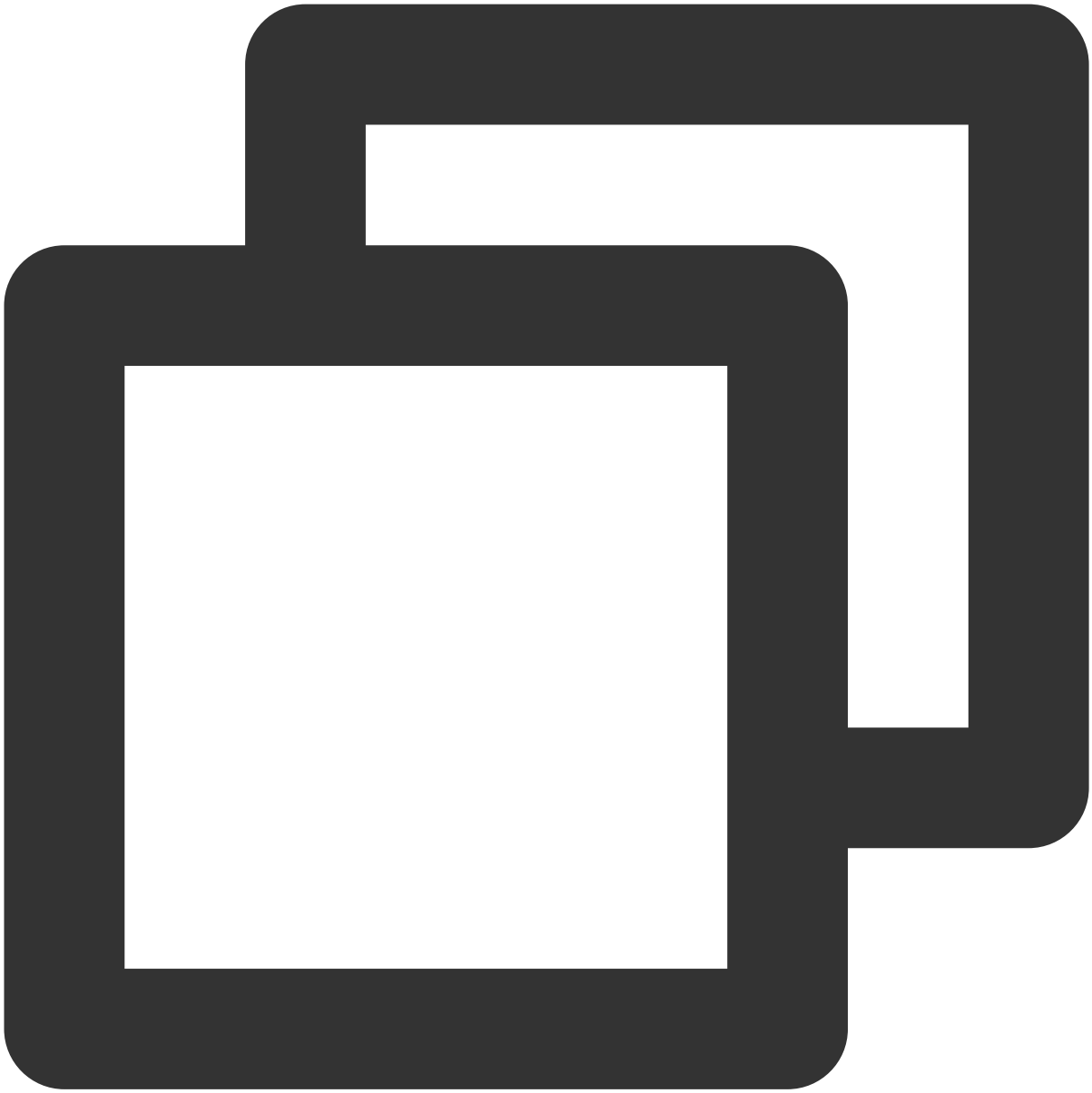

```
https://xxxxxx/v4/group_open_http_svc/get_appid_group_list?sdkappid=88888888&identi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_appid_group_list	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

1 times/second

Sample request

Basic format

If the total number of groups in the app exceeds 10,000, a maximum of 10,000 group IDs are returned. To obtain all group IDs, you must pull them by page.

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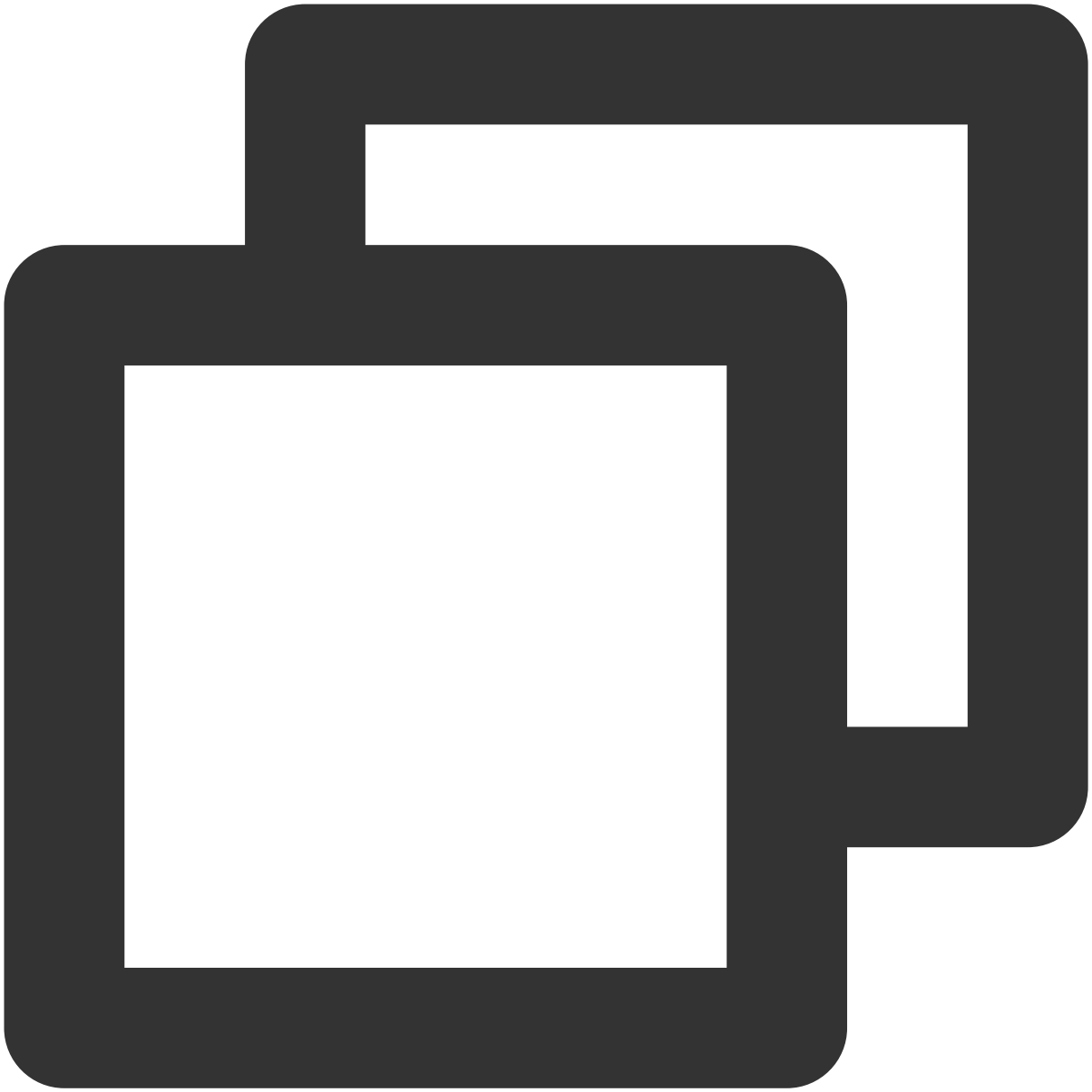

```
{}
```

Pulling by page

You can use the `Limit` and `Next` fields to control the paged pulling:

The `Limit` field specifies the maximum number of groups in `GroupIdList` in the response packet, which cannot exceed 10,000.

The `Next` field is used to control pagination. For the initial pagination request, `Next` is set to 0. For subsequent requests, it is set to the previously returned `Next` value. If the returned `Next` value is 0, all groups have been pulled.

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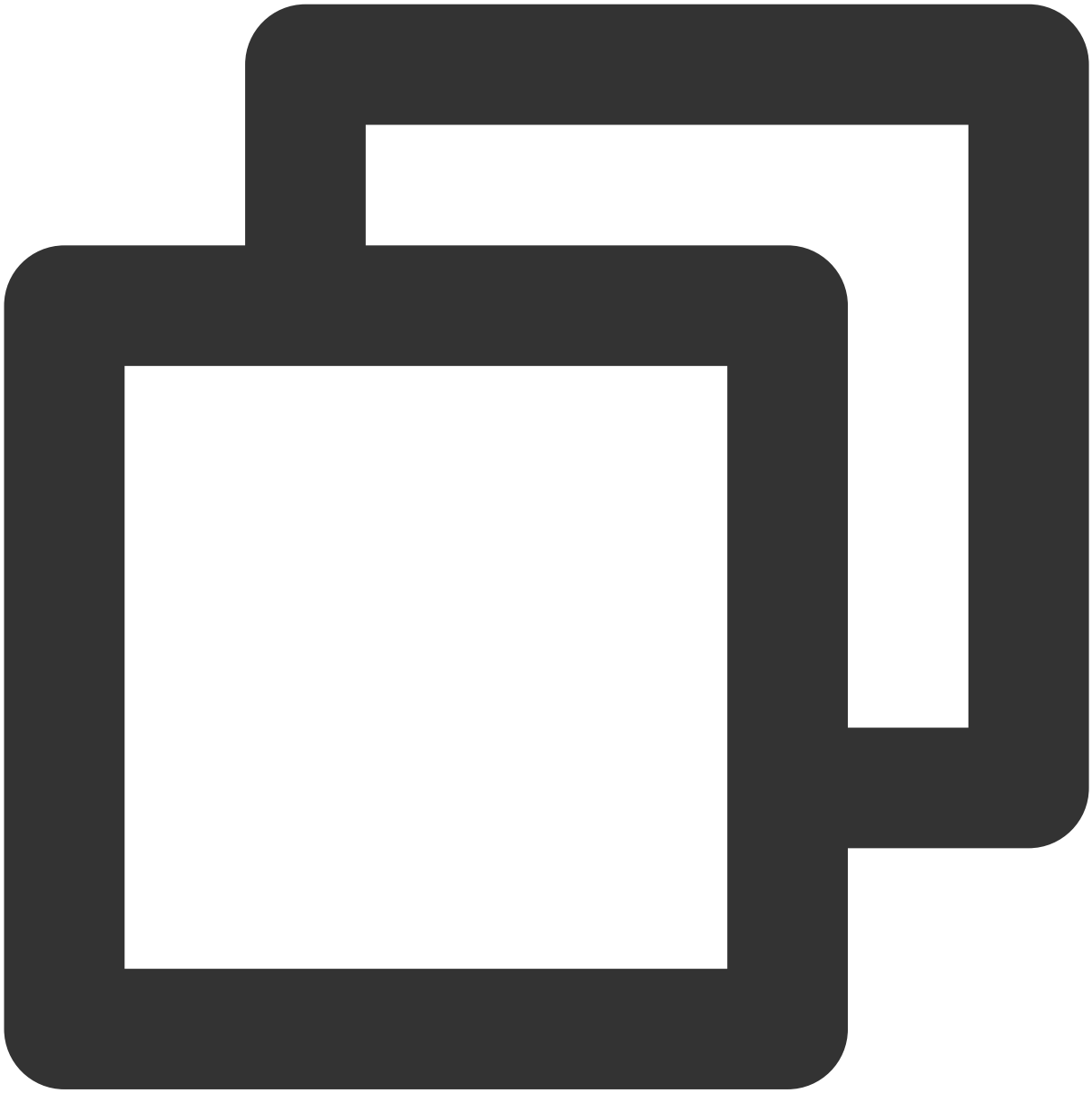
For example, if paged pulling is requested and 20 group IDs are displayed per page, the request parameters for the first page are `{“Limit” : 20, “Next” : 0}` , whereas those for the second page are `{“Limit” : 20, “Next” : Previously returned Next value}` , and so on.

The value of `Limit` or `Next` does not affect `TotalCount` in the response packet.



```
{
   "Limit": 1000,
   "Next": 0
}
```

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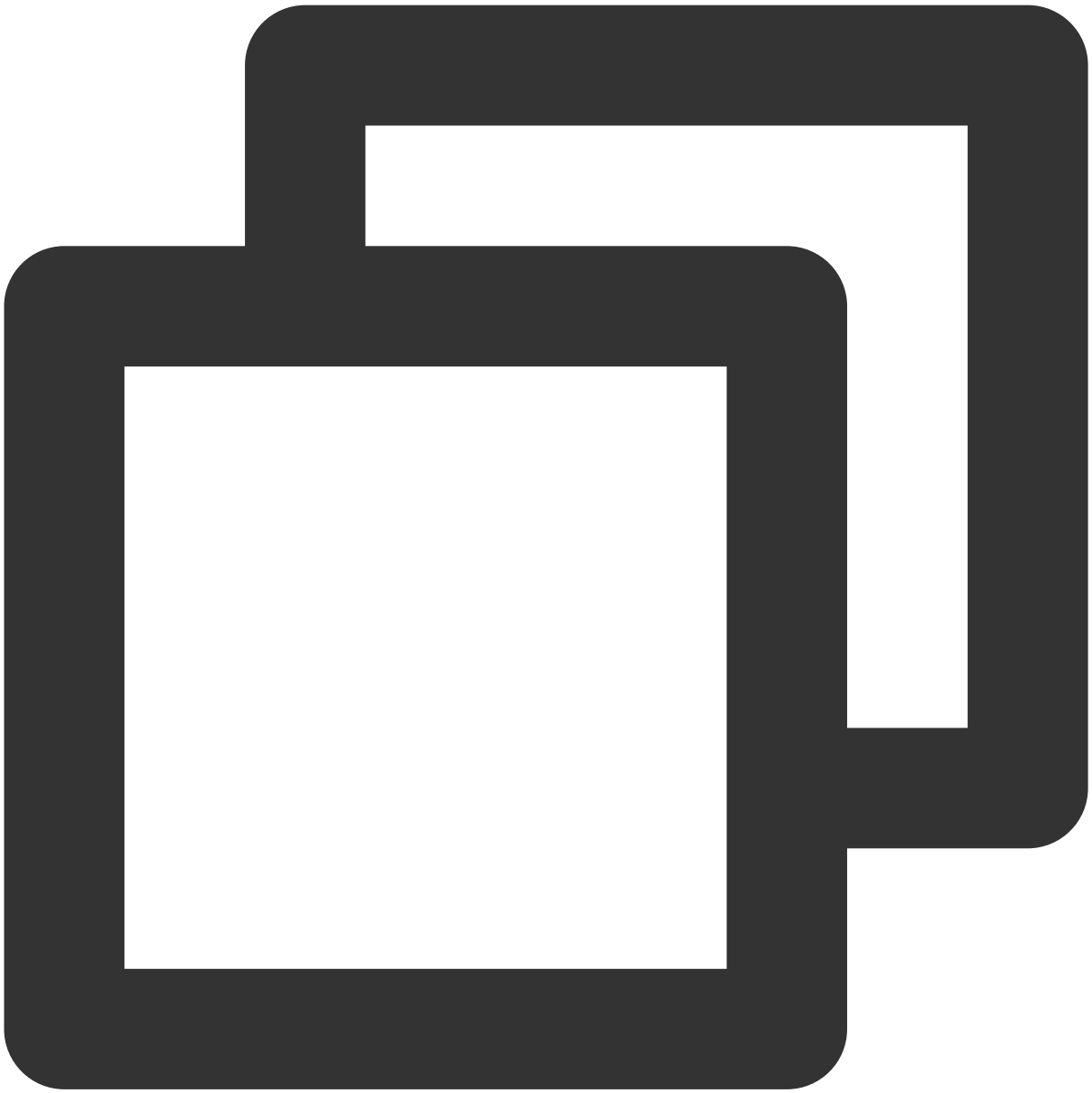
Specifying the group type

You can specify the type of groups to be pulled, such as Public, Private, ChatRoom, AVChatRoom, or BChatRoom.



```
{
  "GroupType" : "Public" // Type of groups to be pulled. If this parameter is not s
}
```

ALL IN ONE

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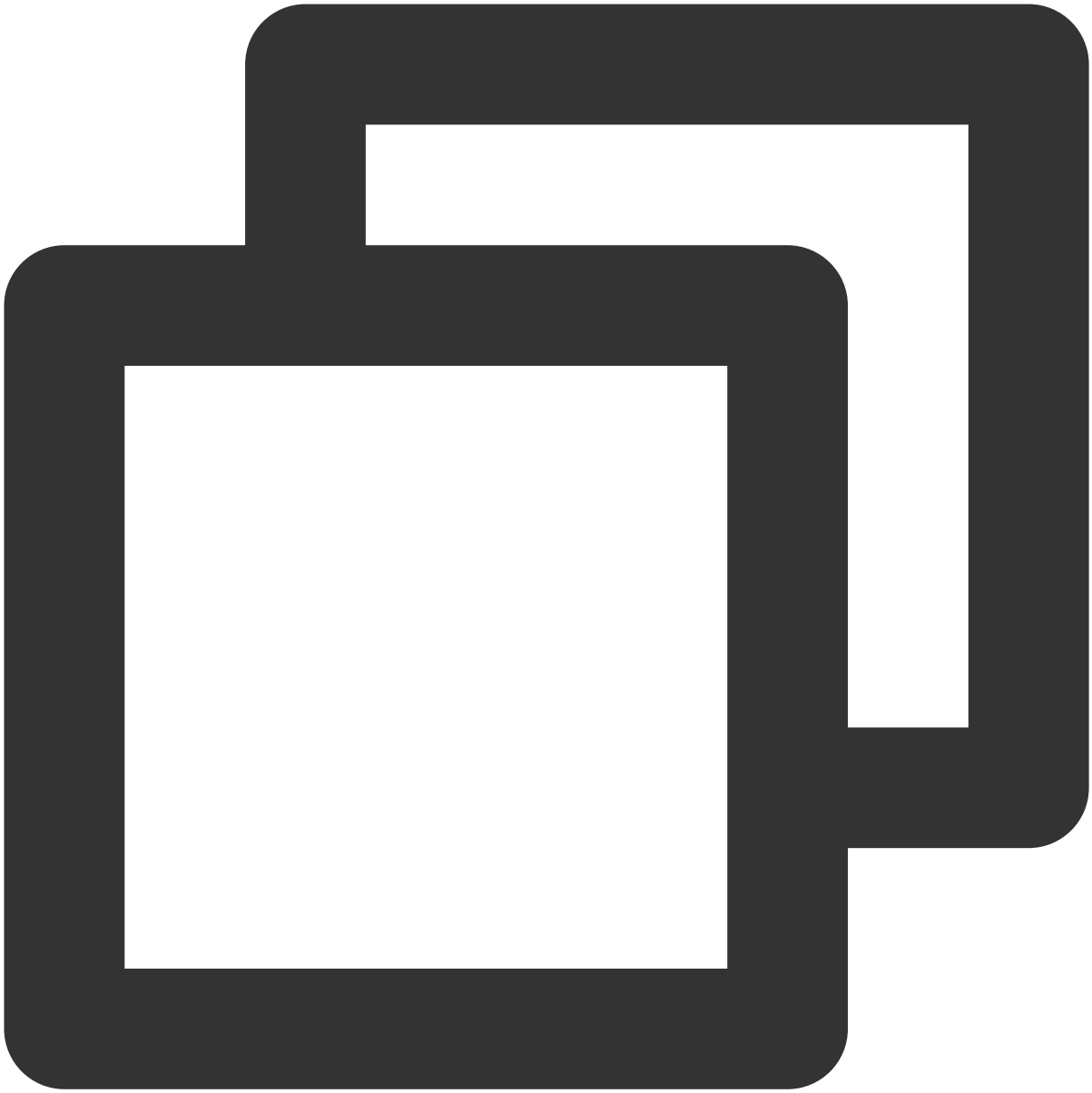

```
{
  "Limit": 1000,
  "Next": 0,
  "GroupType" : "Public" // Type of groups to be pulled. If this parameter is not s
}
```

Request fields

Field	Type	Required	Description

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Limit	Integer	No	Maximum number of group IDs to be obtained, which cannot exceed 10,000. If no value is specified, the maximum value 10000 is used by default.
Next	Integer	No	Paged pulling flag when the number of groups is too large. It is initially set to 0 and subsequently to the `Next` value returned in the previous response. If the returned `Next` value is 0, all groups have been pulled.
GroupType	String	No	To obtain a specified type of groups, you can use `GroupType` for filtering. In this case, the returned `TotalCount` value indicates the total number of groups of the specified type in the app. If this field is not specified, all types of groups are obtained. Possible group types are Public, Private, ChatRoom, AVChatRoom, BChatRoom, and Community.

Sample response

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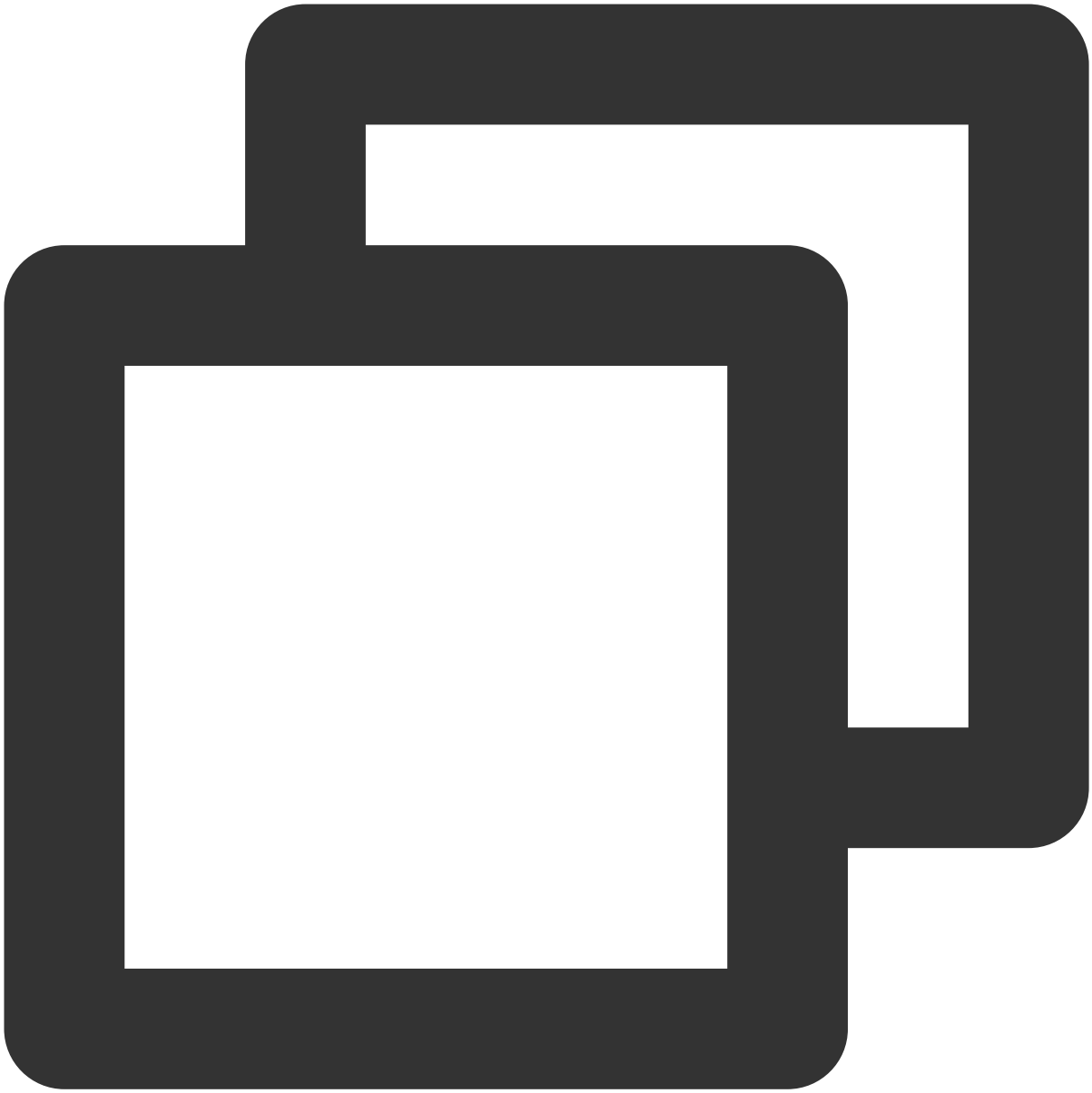


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TotalCount": 2,
    "GroupIdList": [
        {
            "GroupId": "@TGS#2J4SZEAEL"
        },
        {
            "GroupId": "@TGS#2C5SZEAEF"
```


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```
            }
        ],
        "Next": 4454685361
    }
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
TotalCount	Integer	Total number of existing groups in the app. To obtain a specified type of groups, you can use `GroupType` for filtering. In this case, the returned `TotalCount` value indicates the total number of groups of the specified type in the app. If this field is not specified, all types of groups are obtained. For example, assume that the app has total 50,000 groups, including 20,000 public groups. If `GroupType` in the request packet is set to `Public` , `TotalCount` in the response packet is 20,000 regardless of the `Limit` and `Offset` values. In addition, groups in `GroupIdList` are all public groups.
GroupIdList	Array	List of obtained group IDs.
Next	Integer	Paged pulling flag.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	A parameter is incorrect. To correct it, check request parameters such as `GroupType` based on the error description.
10007	The operator does not have the necessary permissions for this operation. Only the app admin can call

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	this API.
10018	The response packet exceeds the length limit of 1 MB due to excessive request content. Try to reduce the amount of data in individual single requests.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Getting the Groups a User Has Joined (v4/group_open_http_svc/get_joined_group_list)

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Creating a Group

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to create groups.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes. To use an audio-video group (AVChatroom), users (including the group owner) must use the SDK to request to join the group.
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

If the group type is specified as audio-video group (AVChatRoom):

When creating a group of this type, the group creator cannot add users to the group. If a group member is specified during the group creation, error 10007 will be returned. Users can only request to join this type of group. If a group owner is specified, the group owner must use the SDK API to join the group every time he or she uses the group.

If the group type is specified as a type other than an audio-video group (AVChatRoom):

If neither a group owner nor a group member list is specified when the request is sent, the number of groups that can be created is unrestricted.

If a group owner or group member list is specified when the request is sent, the specified group owner or group members are automatically added to the group.

If the total number of groups in the app exceeds 100,000, certain fees will be charged. For more information, see Pricing.

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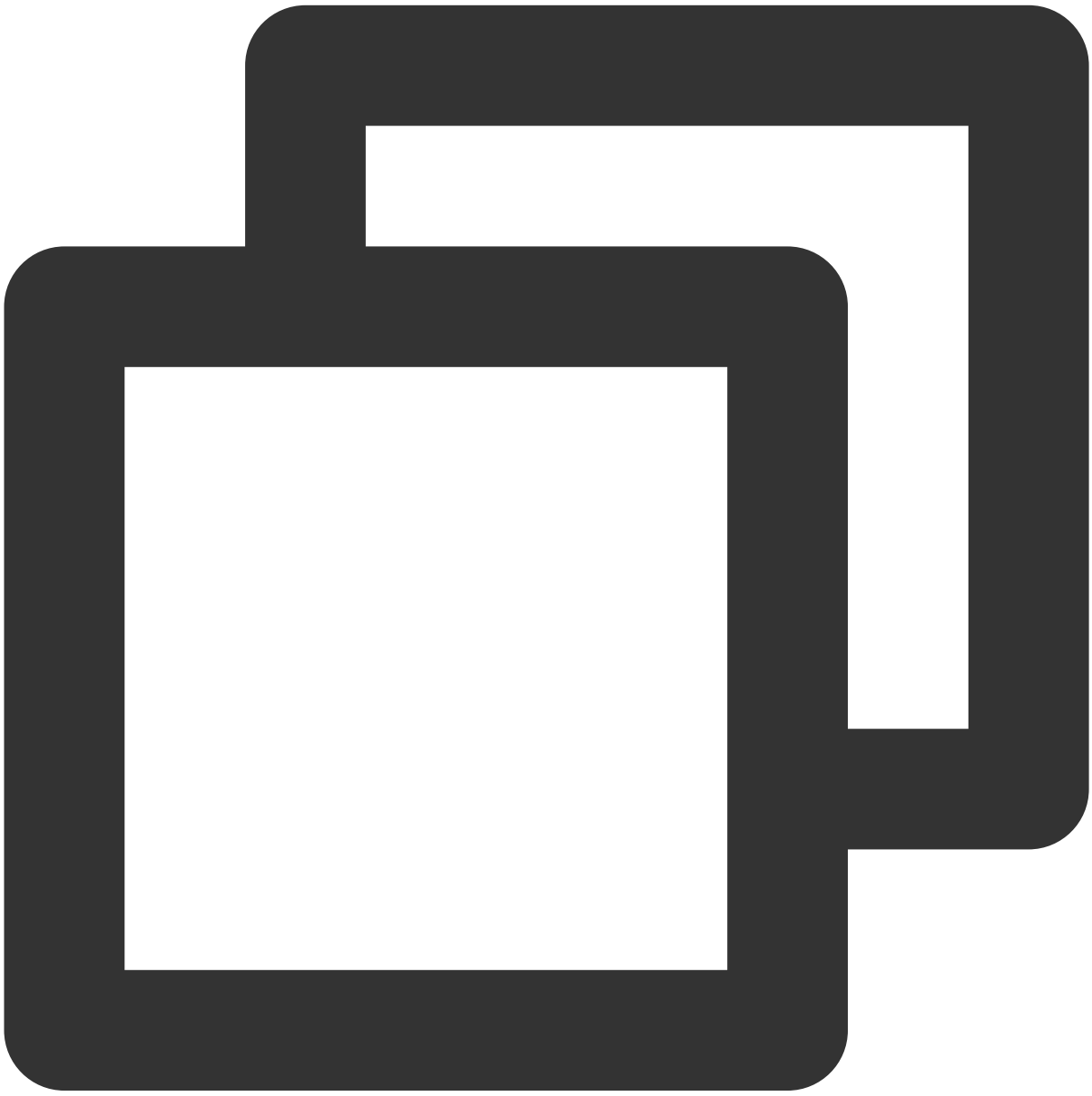
The number of groups that a user can join at the same time is limited. If the number is reached, joining or creating a group will fail. For more information, see Pricing.

Sample request URL



```
https://xxxxxx/v4/group_open_http_svc/create_group?sdkappid=88888888&identifier=adm
```

Request parameters

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The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/create_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Create a group. The `Owner_Account` field is optional. If it is not specified, the group will have no group owner. If you want to specify a group owner, ensure that the UserId of the group owner has been imported.

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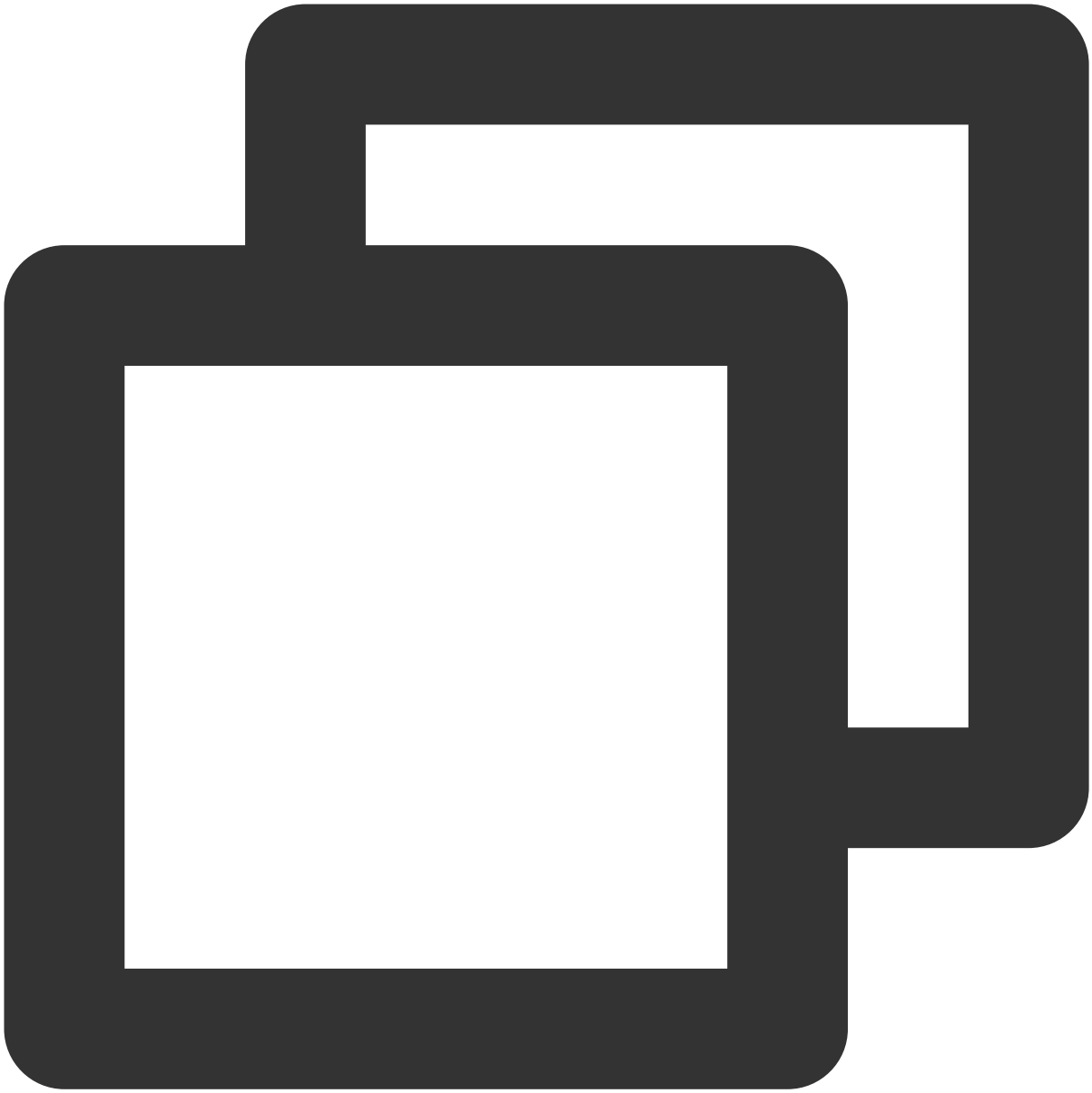

```
{
  "Owner_Account": "leckie", // UserId of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, AVChatRoom, or Commun
  "Name": "TestGroup" // Group name (required)
}
```

Containing only basic group information

Create a group and specify basic group information, such as the group introduction and group notice.

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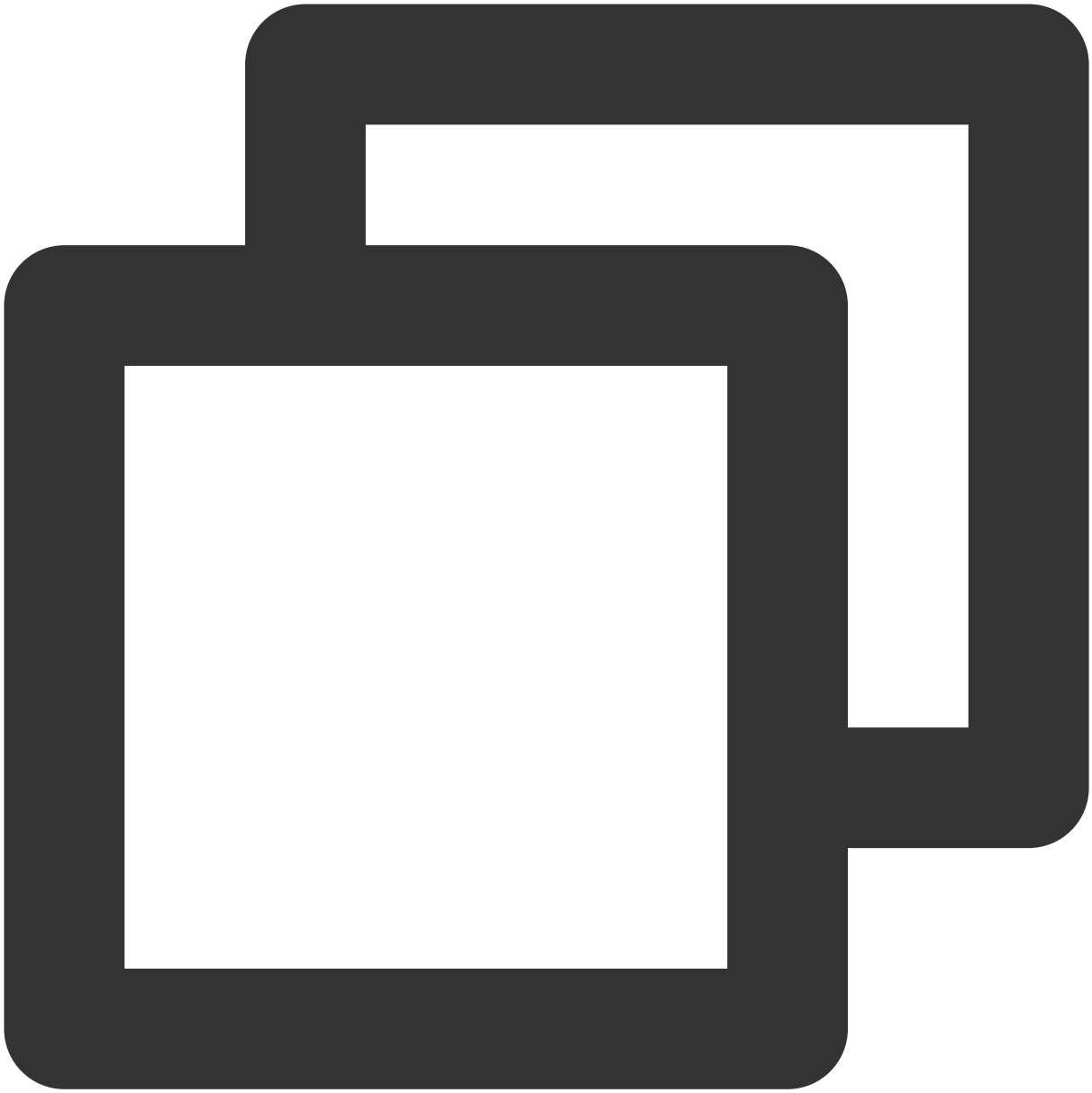

```
{
  "Owner_Account": "leckie", // UserId of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, AVChatRoom, or Commun
  "Name": "TestGroup", // Group name (required)
  "Introduction": "This is group Introduction", // Group introduction (optional)
  "Notification": "This is group Notification", // Group notice (optional)
  "FaceUrl": "http://this.is.face.url", // Group profile photo URL (optional)
  "MaxMemberCount": 500, // Maximum number of group members (optional)
  "ApplyJoinOption": "FreeAccess"  // Method for handling requests to join the grou
}
```

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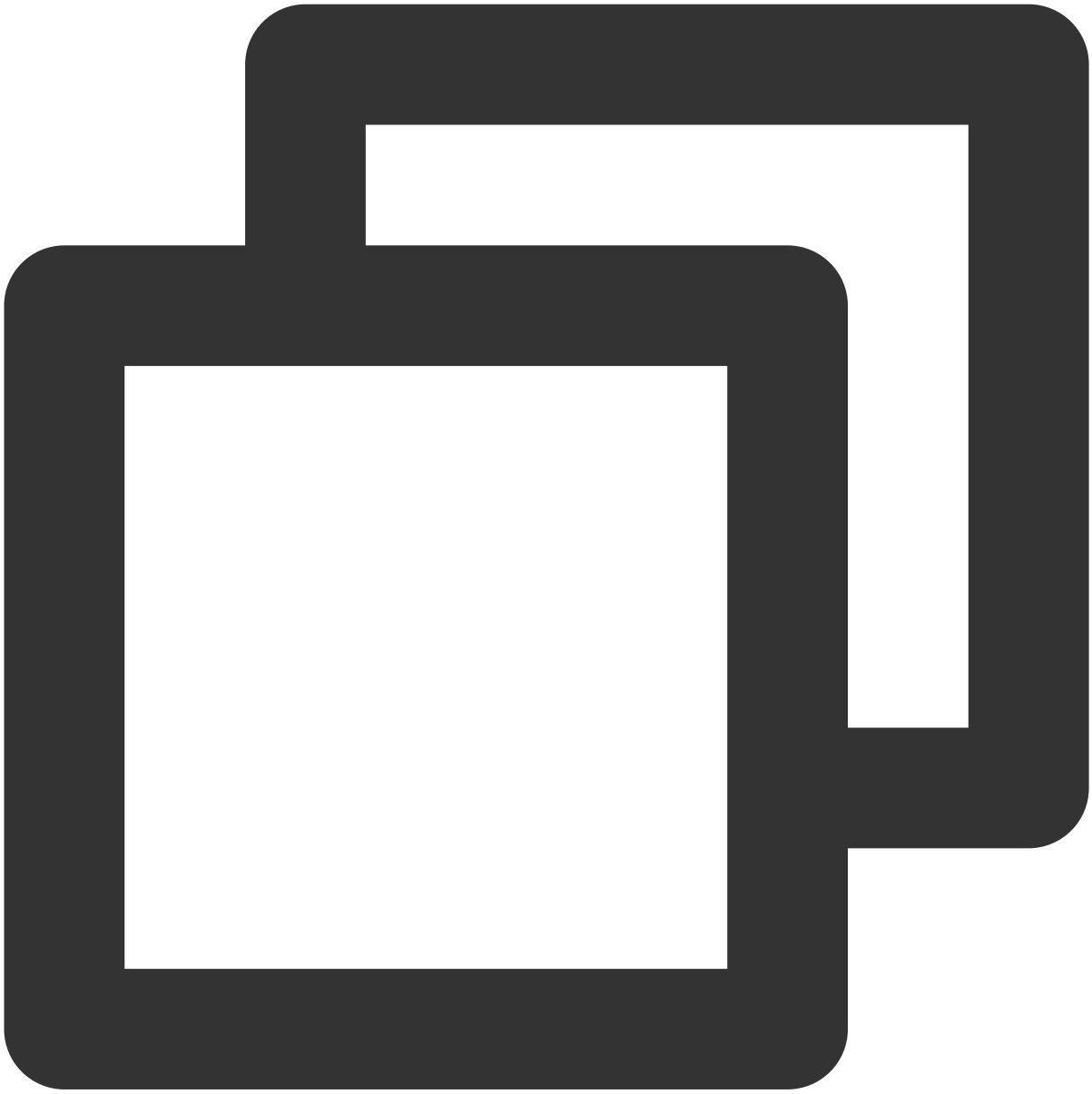
Containing only group member information

Create a group and specify to initialize the group member list, which is described in the request packet description table. When group members are initialized, only the `Member_Account` and `Role` fields can be set.



```
{
  "Name": "TestGroup", // Group name (required)
  "Type": "Public", // Group type: Private, Public, ChatRoom, or Community (AVChatR
  "MemberList": [ // Initial group member list, which contains a maximum of 100 mem
       {
          "Member_Account": "bob", // Member (required)
          "Role": "Admin" // Role assigned to the member (optional). Currently, onl
```

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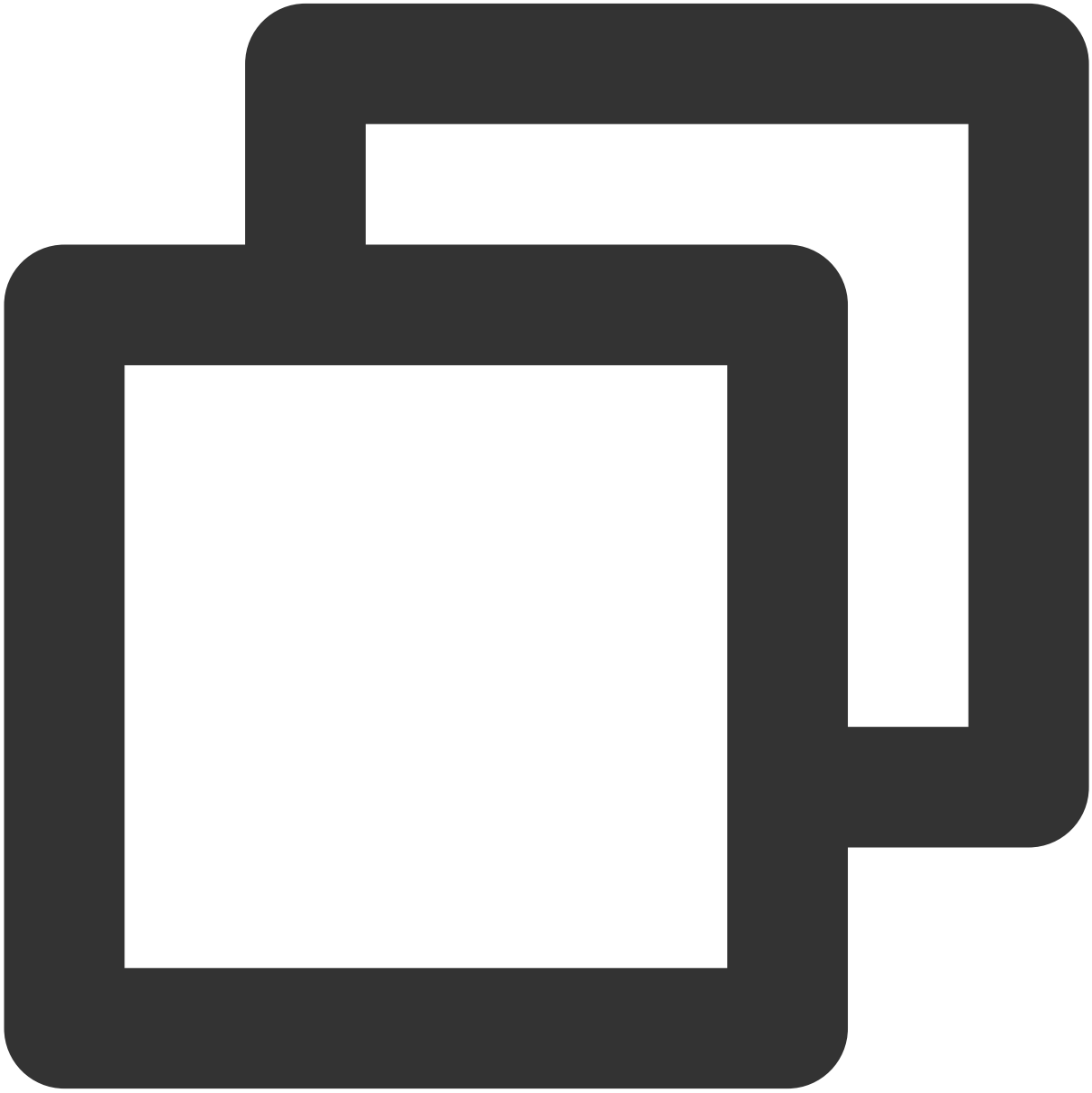
```
        },
        {
            "Member_Account": "peter"
        }
    ]
}
```

Custom group ID

To simplify group IDs, Tencent Cloud allows apps to customize group IDs when creating groups through the RESTful API.



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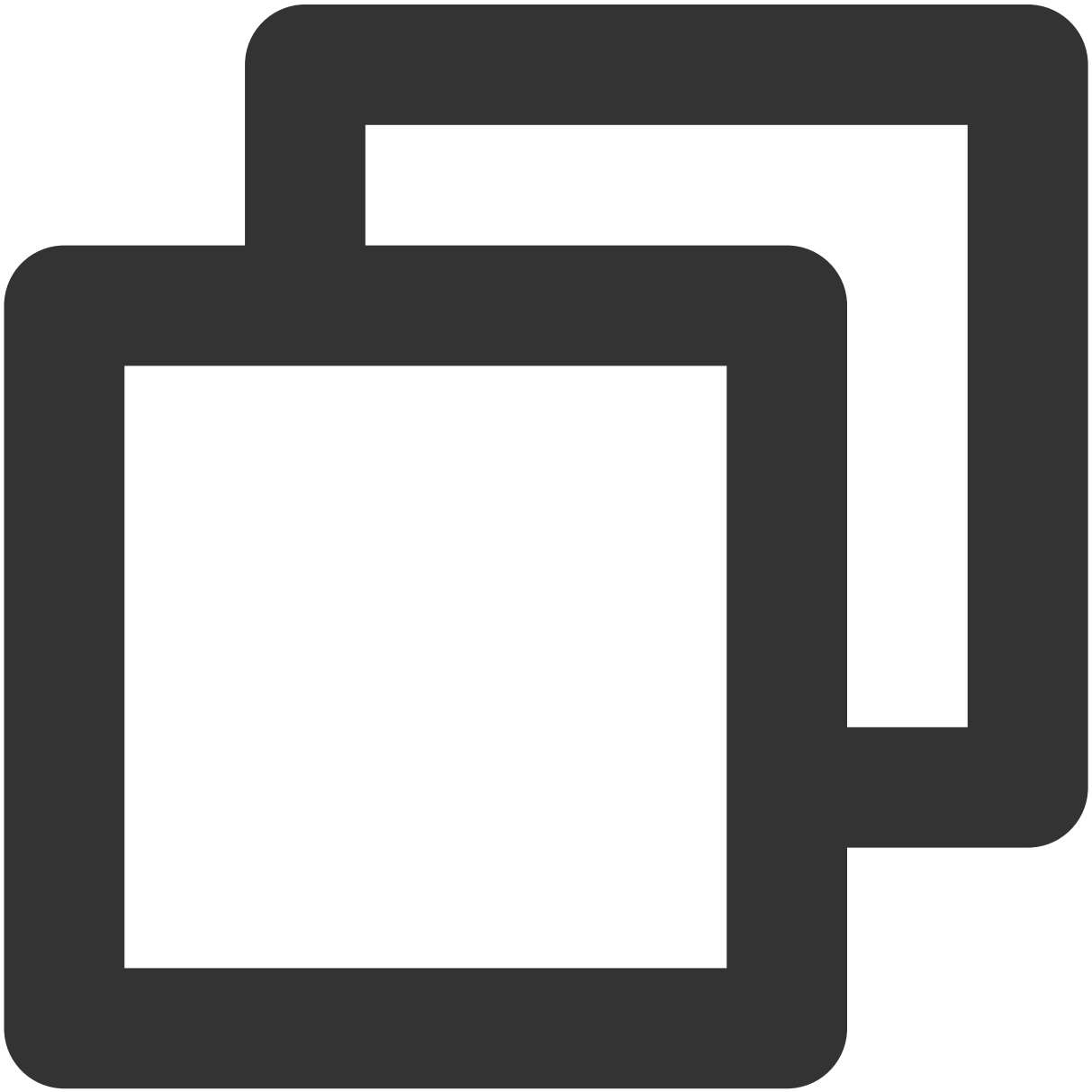
```
{
  "Owner_Account": "leckie", // UserId of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, AVChatRoom, or Commun
  "GroupId": "MyFirstGroup", // User-defined group ID (optional)
  "Name": "TestGroup"   // Group name (required)
}
```

Containing only custom group information

Create a group and specify group custom fields. The `AppDefineData` field is unavailable by default and needs to be enabled in the Chat console before use. For details, see the request packet field description table.



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```
{
  "Name": "TestGroup", // Group name (required)
  "Type": "Public", // Group type: Private, Public, ChatRoom, AVChatRoom, or Commun
  "AppDefinedData": [ // Group custom field (optional)
      {
          "Key": "GroupTestData1", // Key of the app custom field
          "Value": "xxxxx" // Value of the custom field
      },
      {
          "Key": " GroupTestData2",
          "Value": "abc\\u0000\\u0001" // The custom field supports binary data.
      }
  ]
}
```

Containing only custom group member information

Create a group and specify group member custom fields. By default, AppMemberDefinedData is not available and needs to be enabled in the Chat console before use. For details, see the table for request packet fields.

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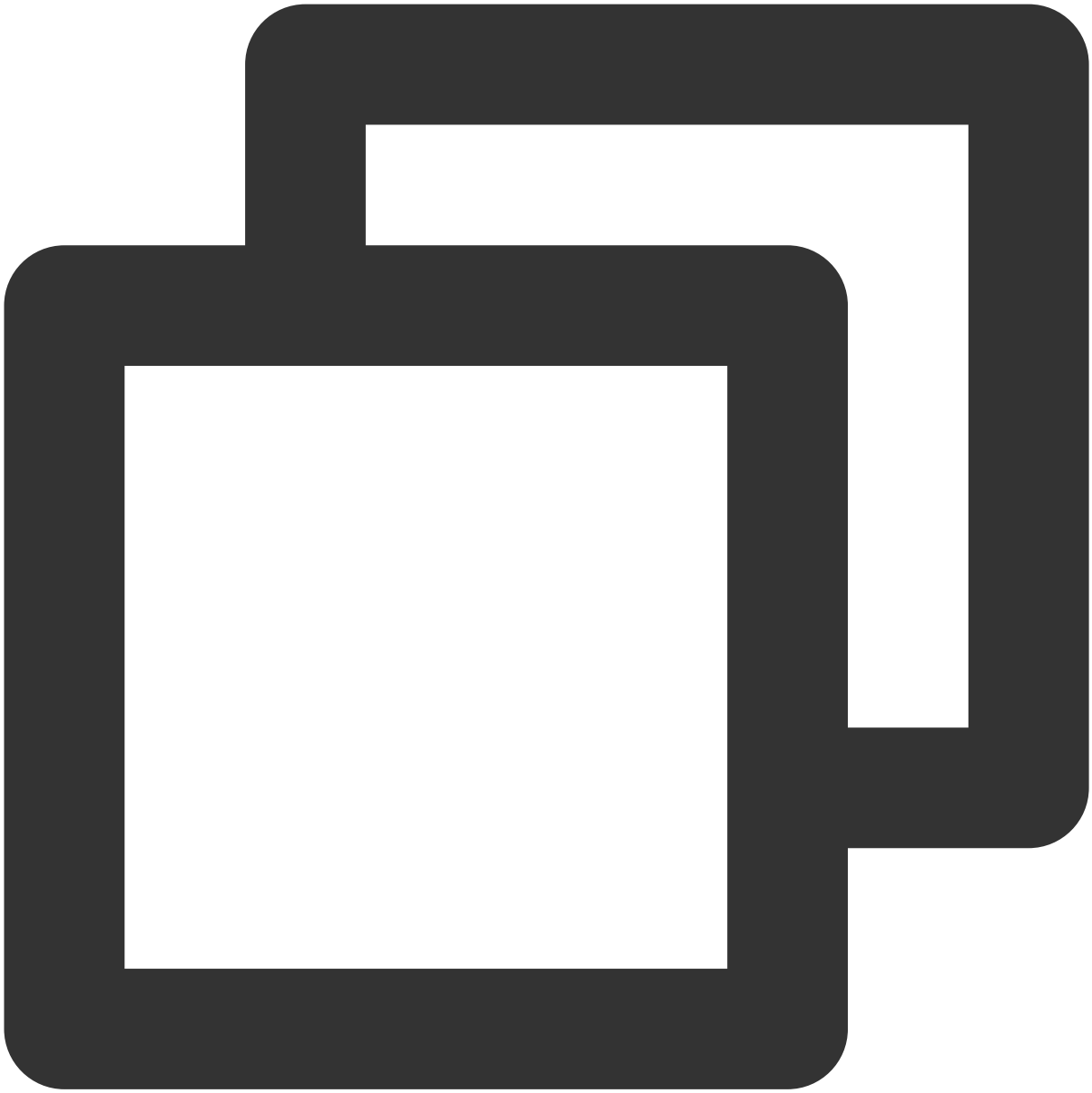

```
{
  "Owner_Account": "leckie", // UserId of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, or Community (AVChatR
  "Name": "TestGroup", // Group name (required)
  "MemberList": [
     {
        "Member_Account":"bob",
        "AppMemberDefinedData":[ // Group member custom field (optional)
             {
                 "Key": "MemberDefined1", // Group member custom key
                 "Value": "MemberData1" // Value of the group member custom field
```

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```
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "MemberData2"
                }
            ]
        },
        {
            "Member_Account":"peter",
            "AppMemberDefinedData":[
                {
                    "Key": "MemberDefined1",
                    "Value": "MemberData1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "MemberData2"
                }
            ]
        }
    ]
}
```

Containing only the topic-enabled parameter format

Create a group and specify the type as a topic-enabled community.

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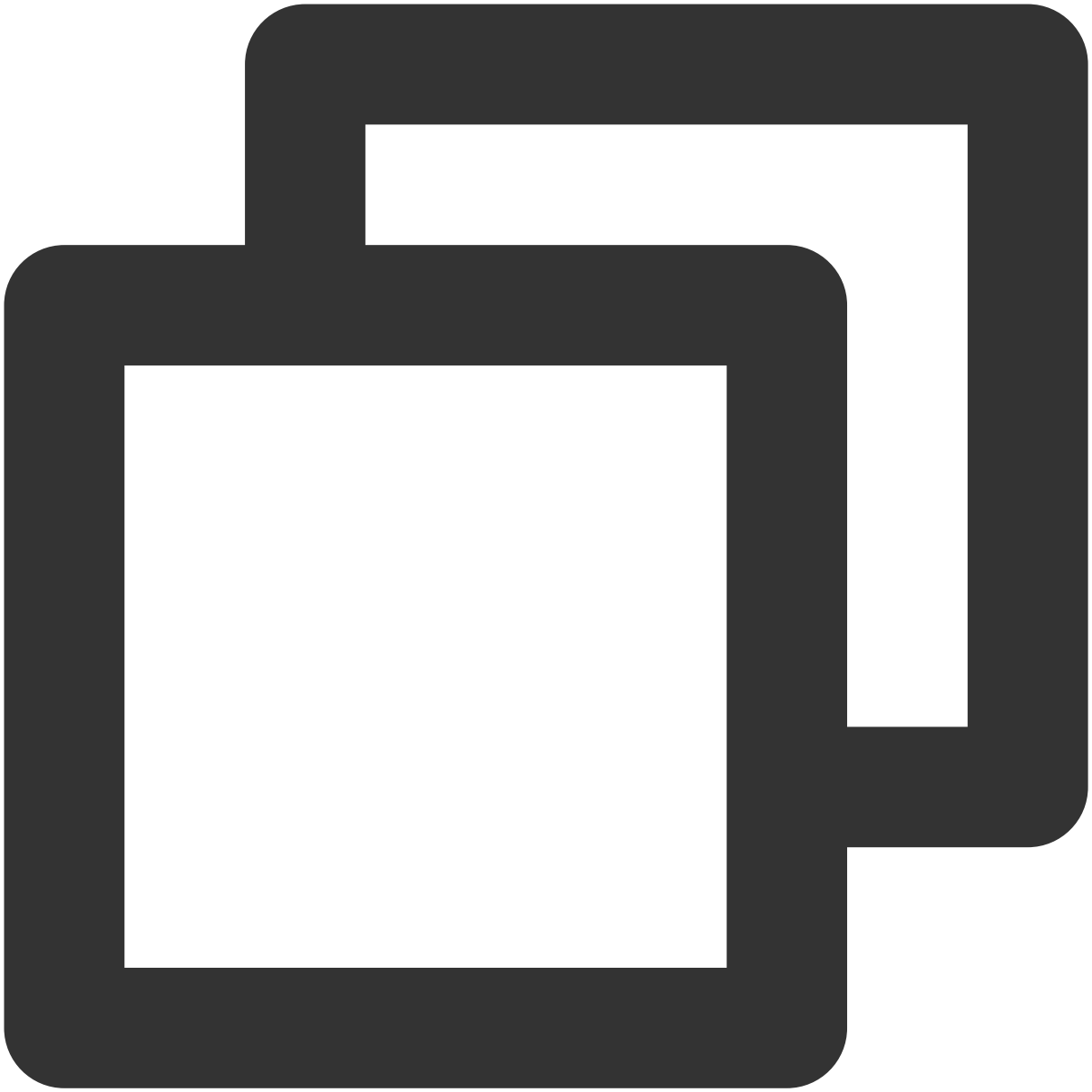

```
{
  "Type": "Community",  // Group type (required)
  "Name": "TestCommunityGroup", // Group name (required)
  "SupportTopic": 1                    // Whether the topic option is supported. V
}
```

ALL IN ONE

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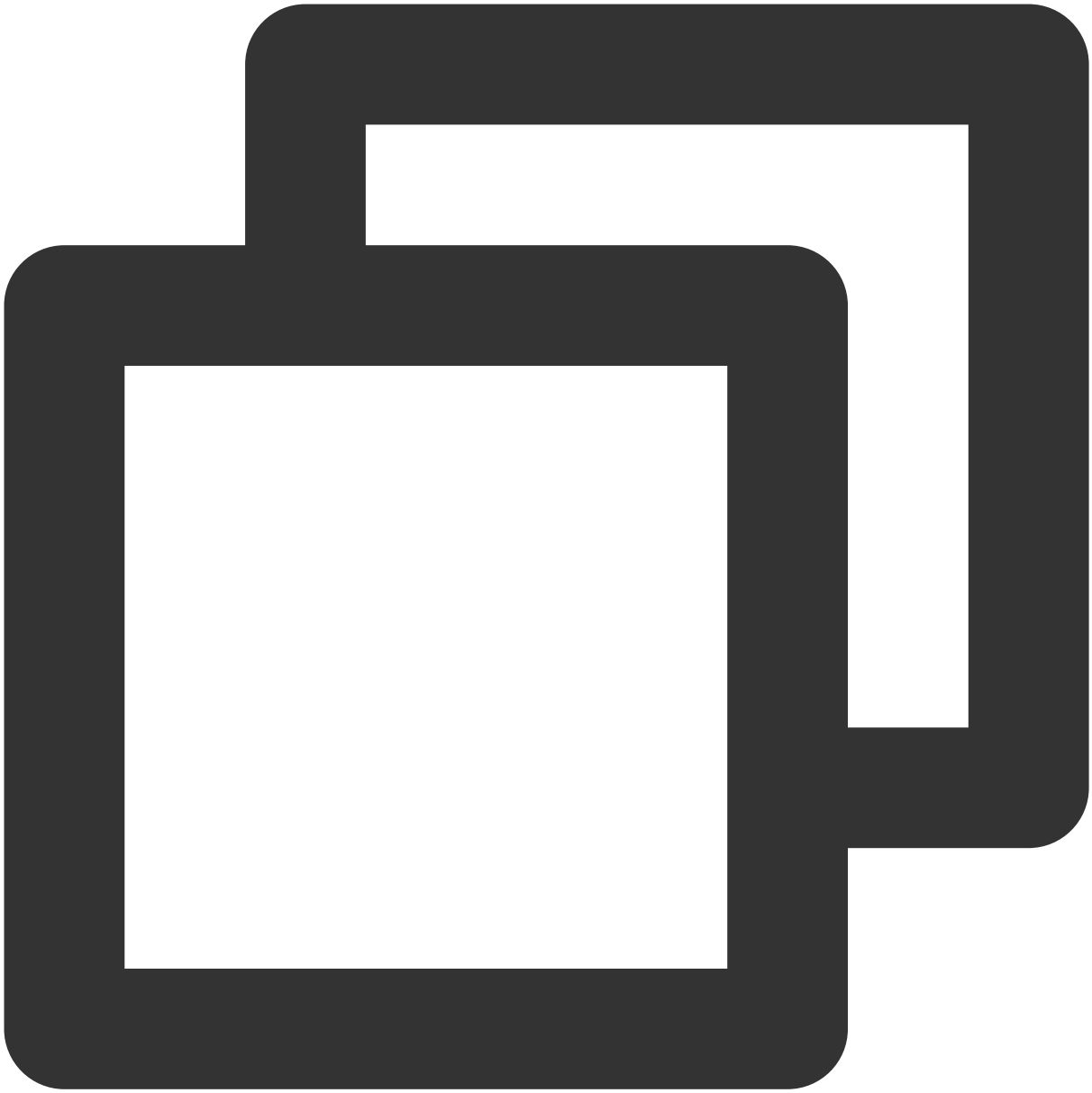

```
{
  "Owner_Account": "leckie", // UserId of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, or Community (AVChatR
  "GroupId":"MyFirstGroup", // User-defined group ID (optional)
  "Name": "TestGroup", // Group name (required)
  "Introduction": "This is group Introduction", // Group introduction (optional)
  "Notification": "This is group Notification", // Group notice (optional)
  "FaceUrl": "http://this.is.face.url", // Group profile photo URL (optional)
  "MaxMemberCount": 500, // Maximum number of group members (optional)
  "ApplyJoinOption": "FreeAccess", // Method for handling requests to join the grou
  "AppDefinedData": [ // Group custom field (optional)
```

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```
        {
            "Key": "GroupTestData1", // Key of the app custom field
            "Value": "xxxxx" // Value of the custom field
        },
        {
            "Key": "GroupTestData2",
            "Value": "abc\\u0000\\u0001" // The custom field supports binary data.
        }
    ],
    "MemberList": [ // Initial group member list, which contains a maximum of 100 mem
        {
            "Member_Account": "bob", // Member (required)
            "Role": "Admin", // Role assigned to the member. Currently, only the Admi
            "AppMemberDefinedData":[ // Group member custom field (optional)
                {
                    "Key":"MemberDefined1", // Group member custom key
                    "Value":"MemberData1" // Value of the group member custom field
                },
                {
                    "Key":"MemberDefined2",
                    "Value":"MemberData2"
                }
            ]
        },
        {
            "Member_Account": "peter",
            "AppMemberDefinedData":[
                {
                    "Key":"MemberDefined1",
                    "Value":"MemberData1"
                },
                {
                    "Key":"MemberDefined2",
                    "Value":"MemberData2"
                }
            ]
        }
    ]
}
```

Request fields

Field	Type	Required	Description
Owner_Account	String	Optional	Group owner ID, which must be an imported account. The

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			value will be automatically added to group members. If this field is not specified, the group will have no group owner, and group members need to call the group joining API when using an audio-video group (AVChatroom) group.
Type	String	Required	Group type, including Public, Work (Private), Meeting, AVChatRoom, and Community.
GroupId	String	Optional	To simplify group IDs and make them easier to remember and share, we allow apps to customize group IDs when creating groups through the RESTful API.
Name	String	Required	Group name, whose maximum length is 30 bytes. This field is UTF-8-encoded, and one Chinese character occupies 3 bytes.
Introduction	String	Optional	Group introduction, whose maximum length is 240 bytes. This field is UTF-8-encoded, and one Chinese character occupies 3 bytes.
Notification	String	Optional	Group notice, whose maximum length is 300 bytes. This field is UTF-8-encoded, and one Chinese character occupies 3 bytes.
FaceUrl	String	Optional	URL of the group profile photo, whose maximum length is 100 bytes.
MaxMemberCount	Integer	Optional	Maximum number of group members. The default value is the upper limit of the paid package. For example, it is 20 for a Developer edition. If you upgrade your package, you need to modify this field according to the basic information of the modified group.
ApplyJoinOption	String	Optional	Method for handling requests to join the group, which can be `FreeAccess`, `NeedPermission`, or `DisableApply`. The default method is `NeedPermission`. This field is valid only for groups that can be joined by users. Community groups currently do not support this field.
AppDefinedData	Array	Optional	Group-level custom field. This field is unavailable by default and needs to be enabled in the Chat console. For details, see Custom Fields.
MemberList	Array	Optional	Initial group member list, which contains a maximum of 100 members. For details on group member information

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			fields, see Group member profile.
AppMemberDefinedData	Array	Optional	Group member custom fields. This field is unavailable by default and needs to be enabled in the Chat console. For details, see Custom Fields.
SupportTopic	Integer	No	Whether the topic option is supported. This field is valid only for communities.

Sample response

Basic form, containing only basic group information, containing only group member information, or containing only custom information

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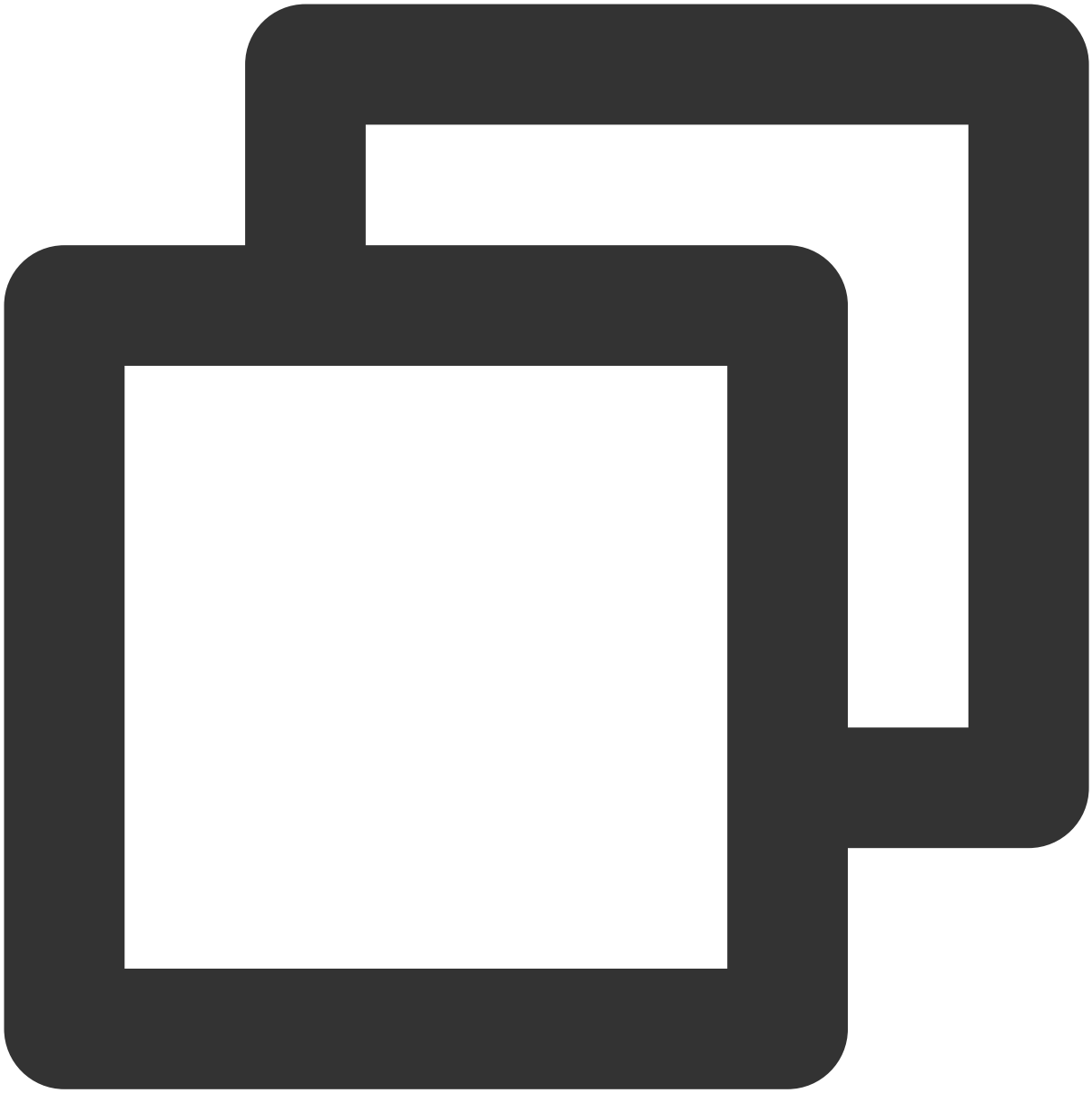

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "GroupId": "@TGS#2J4SZEAEL"
}
```

Containing only the topic-enabled parameter format

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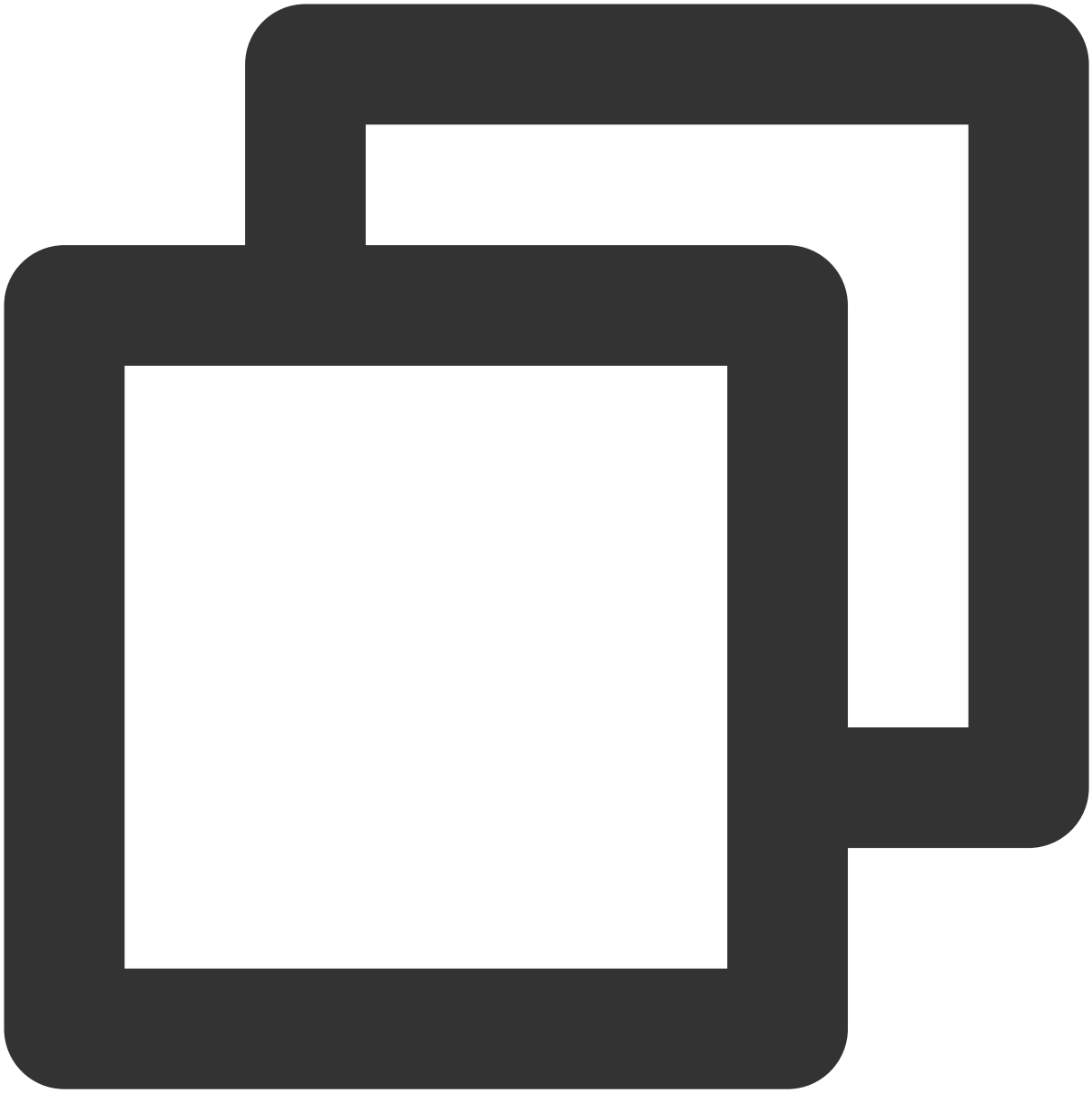

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "GroupId": "@TGS#_@TGS#cRDH3HIM62CP",
  "HugeGroupFlag": 0,
  "Type": "Community"
}
```

Custom group ID and ALL IN ONE

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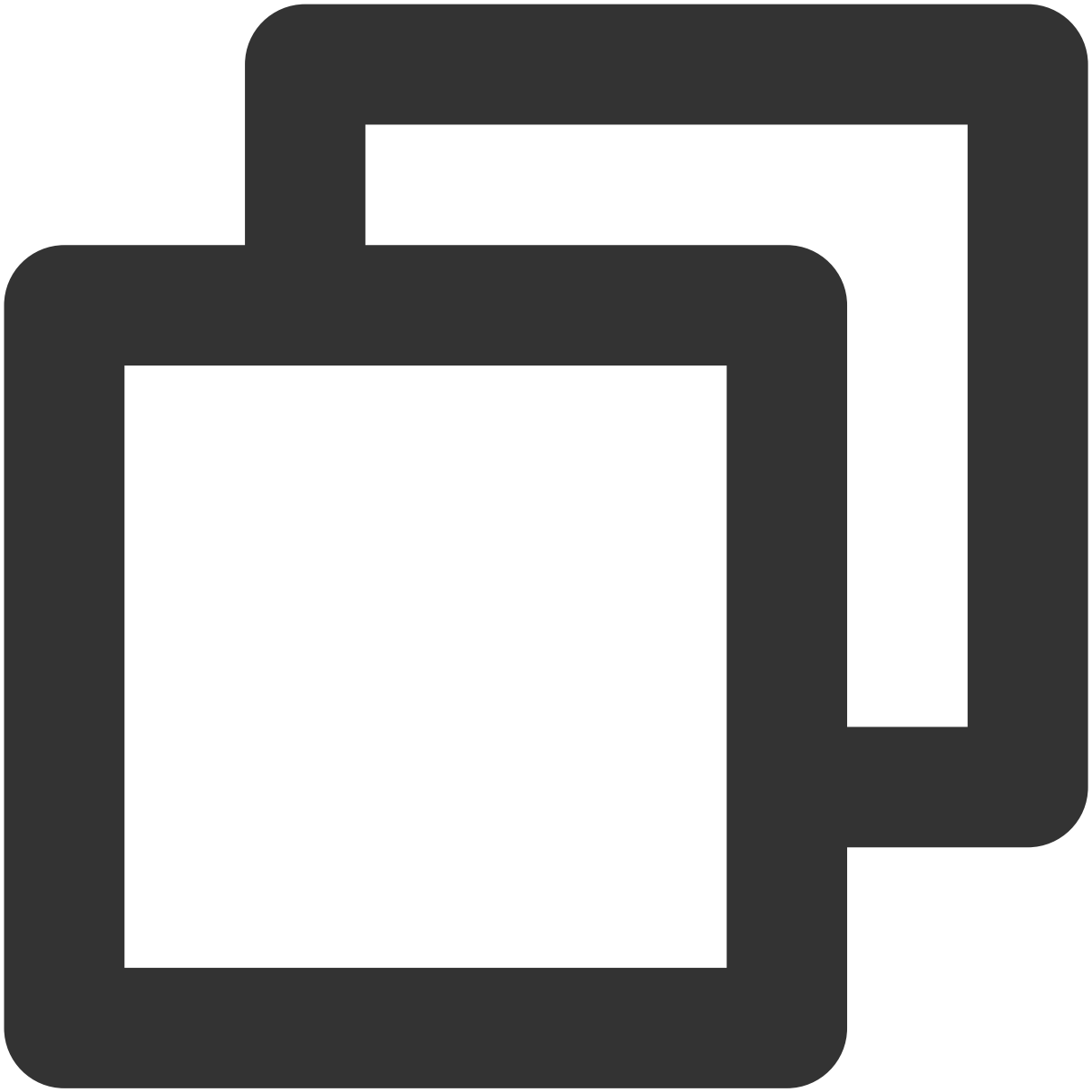


```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "GroupId": "MyFirstGroup"
}
```


Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupId	String	Group ID after successful creation, which is assigned by the Chat backend.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid request command word.
10004	Invalid parameter. Check the error description and fix the issue.
10005	The number of members imported in the request packet exceeds 100. Reduce the number of members imported in the `MemberList` parameter.
10006	The operation exceeds the frequency limit. Please reduce the call frequency. This error is usually caused by too much net group increase in a single day or too frequent calls to obtain all groups in the app.
10007	Insufficient operation permission. Check the request parameters based on the error information. For example, the specified group type does not allow adding members but `MemberList` was specified in the request.
10008	The request is invalid, probably because verification of the signing information in the request failed. Please try again or submit a ticket.
10016	The app backend rejected this operation through a webhook. Check the returned value of your wehook "Before a group is created".
10021	The group ID has already been used by another user. Select another group ID.
10025	You have already used this group ID. Disband the existing group first or select another group ID.

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10036	The number of audio-video groups (AVChatRoom) created exceeds the limit. Delete some of the groups or purchase an upgrade by referring to Pricing.
10037	The request specifies Owner_Account, but the number of groups that the group owner has created or joined exceeds the limit. The group owner needs to leave some groups first or refer to Pricing to purchase an upgrade.
10038	The number of members imported in the request packet exceeds the limit. Reduce the number of members imported in the `MemberList` parameter or purchase an upgrade by referring to Pricing.
10058	You are now using the Developer edition, and the free quota of 100 groups is exceeded. To create more groups, you need to purchase a package.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Disbanding a group (v4/group_open_http_svc/destroy_group)

Possible Callbacks

Before a Group Is Created
After a Group Is Created

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Disbanding a Group

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to disband a group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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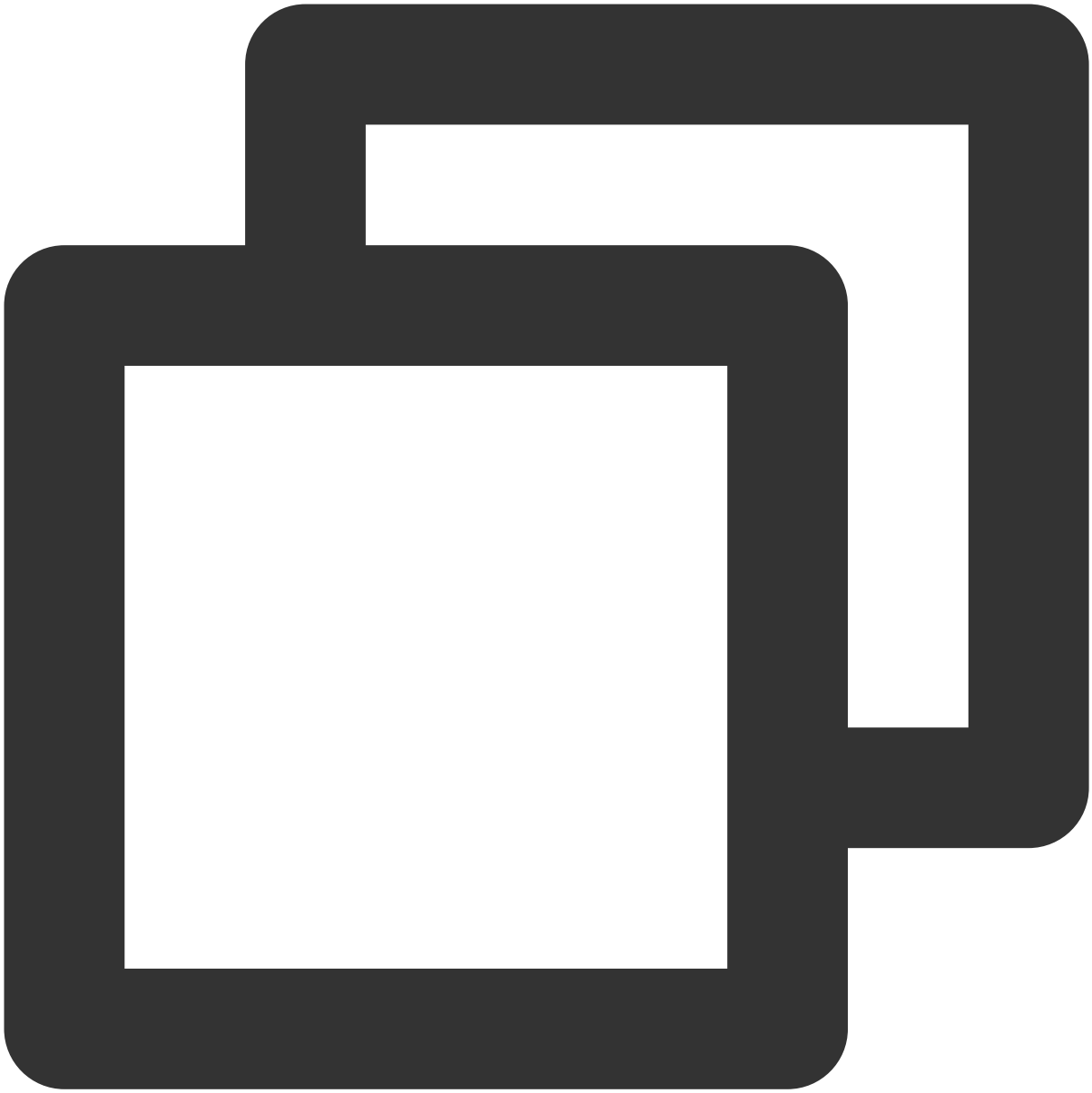

```
https://xxxxxx/v4/group_open_http_svc/destroy_group?sdkappid=88888888&identifier=ad
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/destroy_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

The group disbanding operation is irrevocable. Please call this API with caution.

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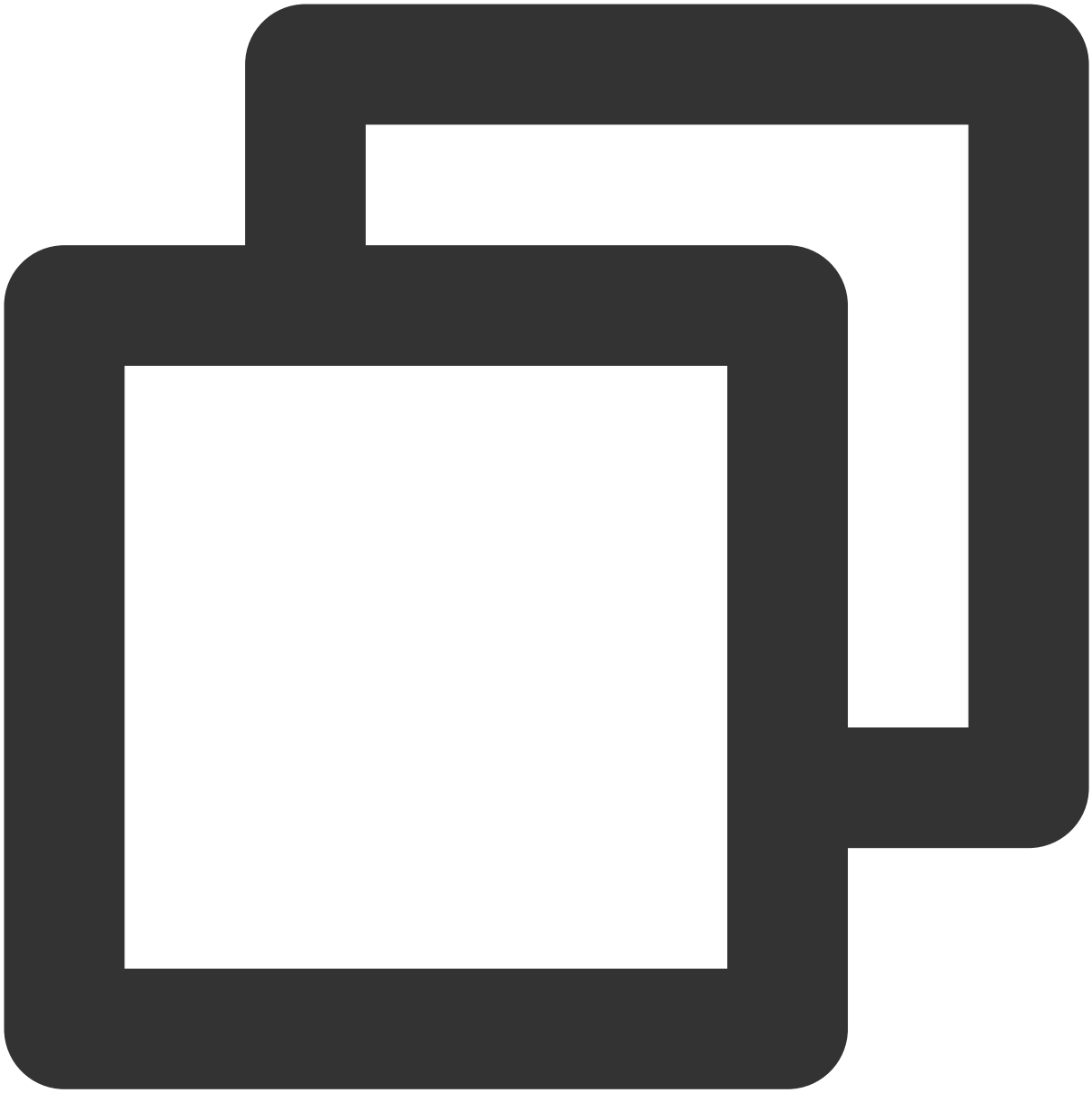

```
{
    "GroupId": "@TGS#2J4SZEAEL"
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the Group whose historical messages will be modified

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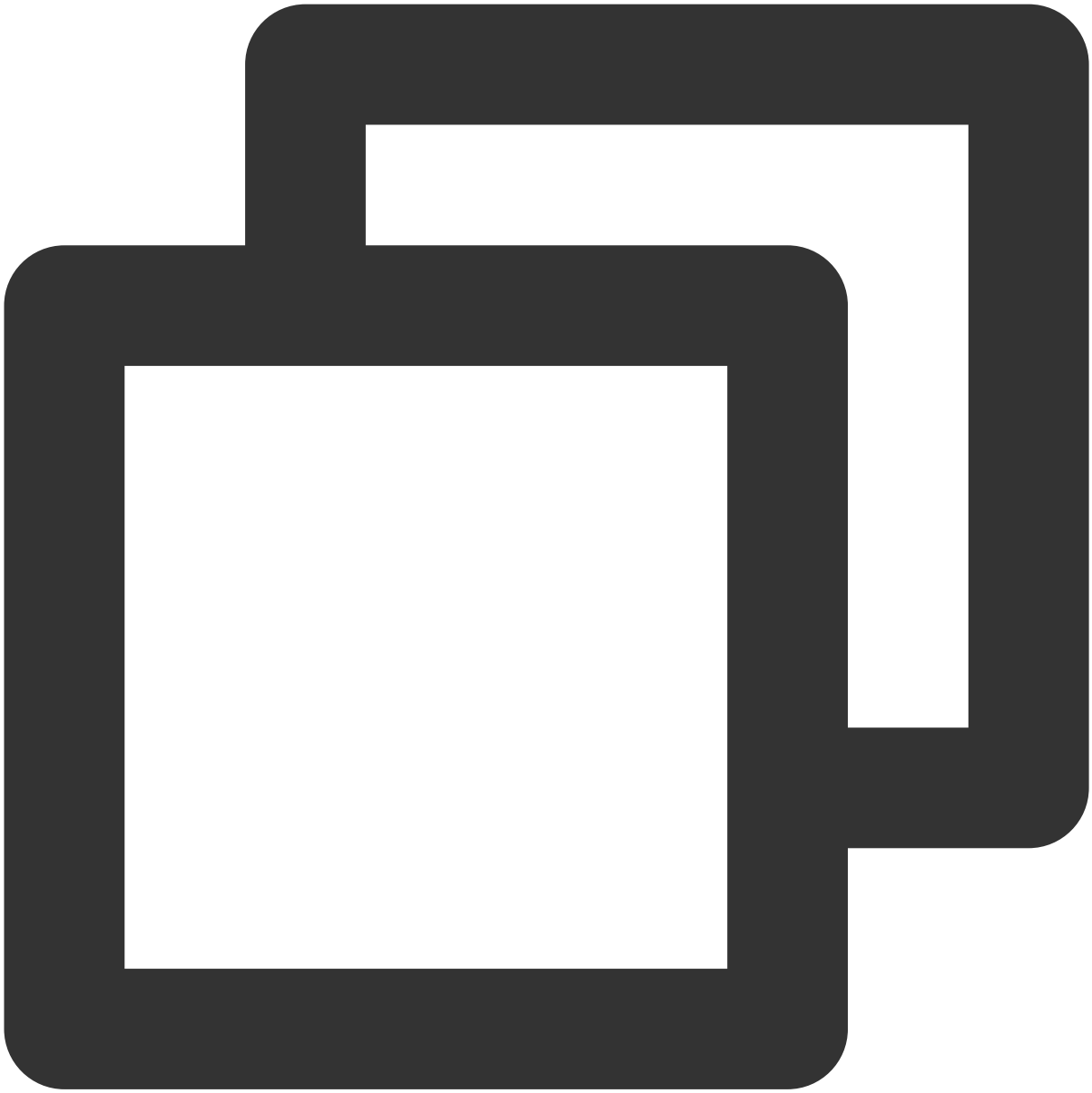
Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

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Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Creating a Group (v4/group_open_http_svc/create_group)

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Possible Webhooks

After a Group Is Disbanded。

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Getting the Groups a User Has Joined

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by app admins to obtain the list of groups a certain user has joined. The information of work groups (Work) and audio-video groups (AVChatRoom) that the user has joined but are not activated is not pulled by default.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version. The information of work groups that the user has joined but are not activated is not returned by default.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes. The information of audio-video groups (AVChatRoom) that the user has joined is not returned by default. If you specify to pull audio-video group information, the obtained group information may not be complete. Audio-video groups do not store all group member data.
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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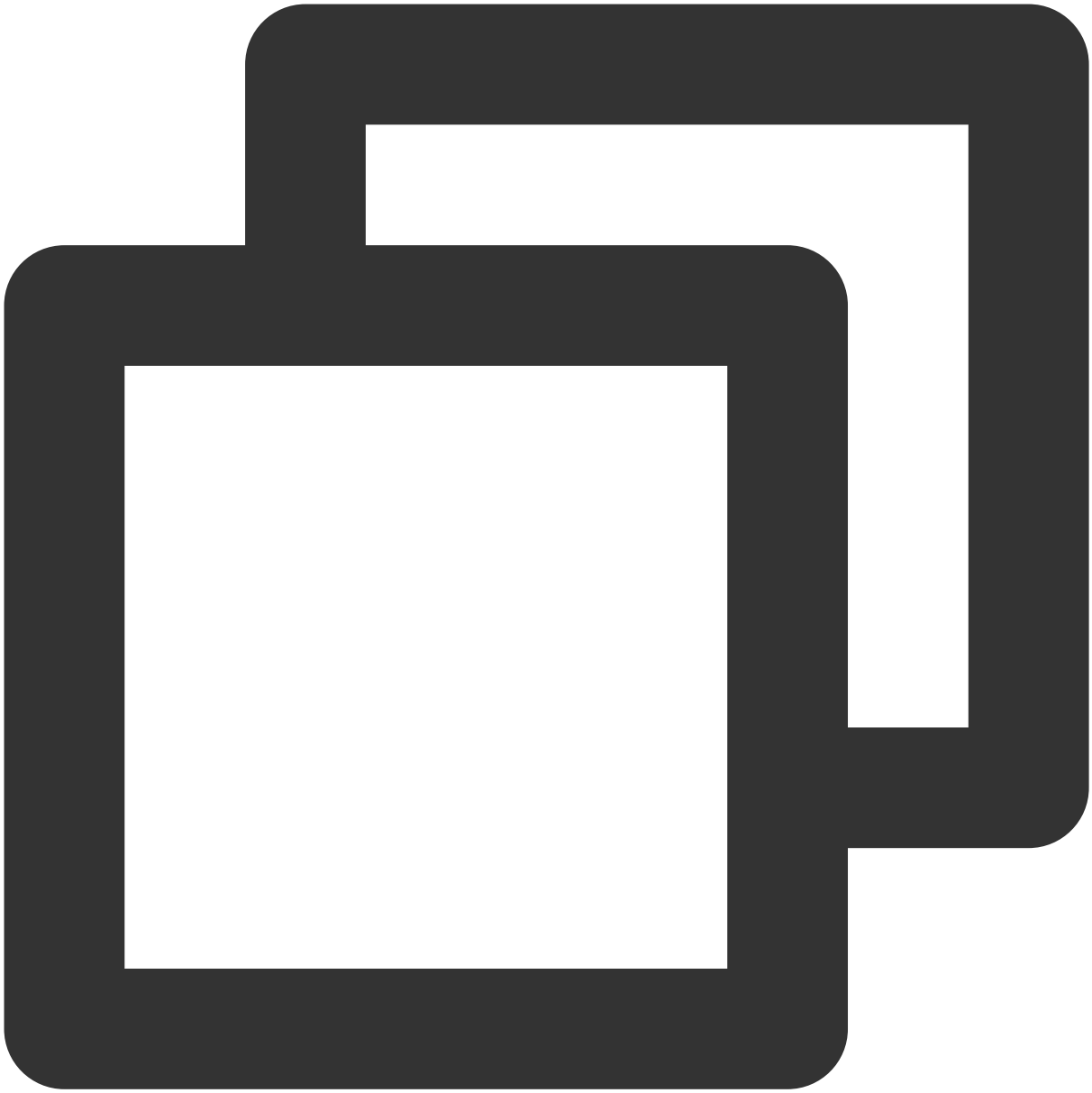

```
https://xxxxxx/v4/group_open_http_svc/get_joined_group_list?sdkappid=88888888&ident
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_joined_group_list	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

A basic request is used to obtain the information about groups that a user has joined. The group information contains only the IDs of users in the group.

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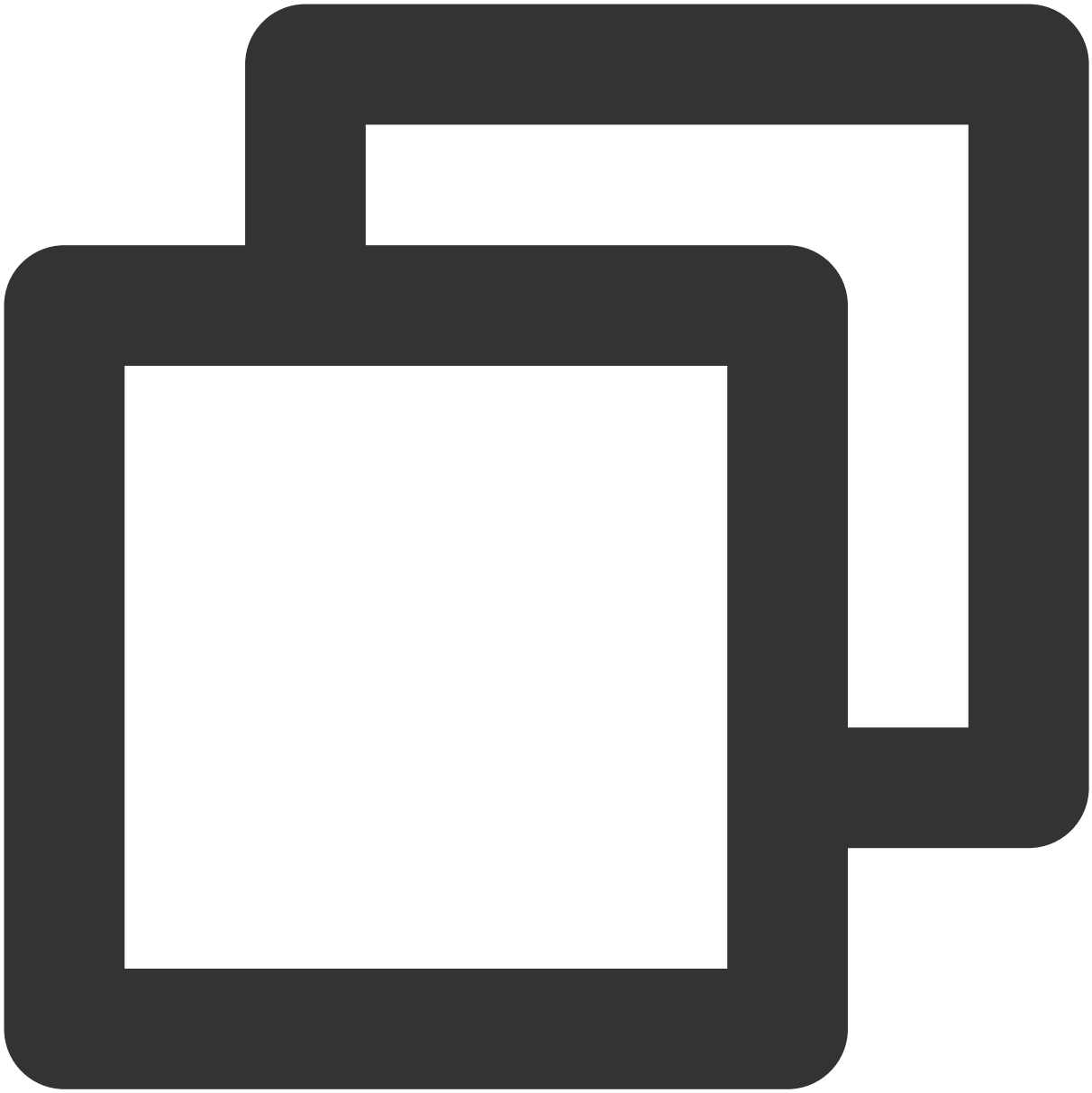

```
{
  "Member_Account": "leckie"
}
```

Pulling by page

You can use the `Limit` and `Offset` fields to control the pagination mode:

The `Limit` field specifies the maximum number of groups in `GroupIdList` in the response packet, which cannot exceed 5,000.

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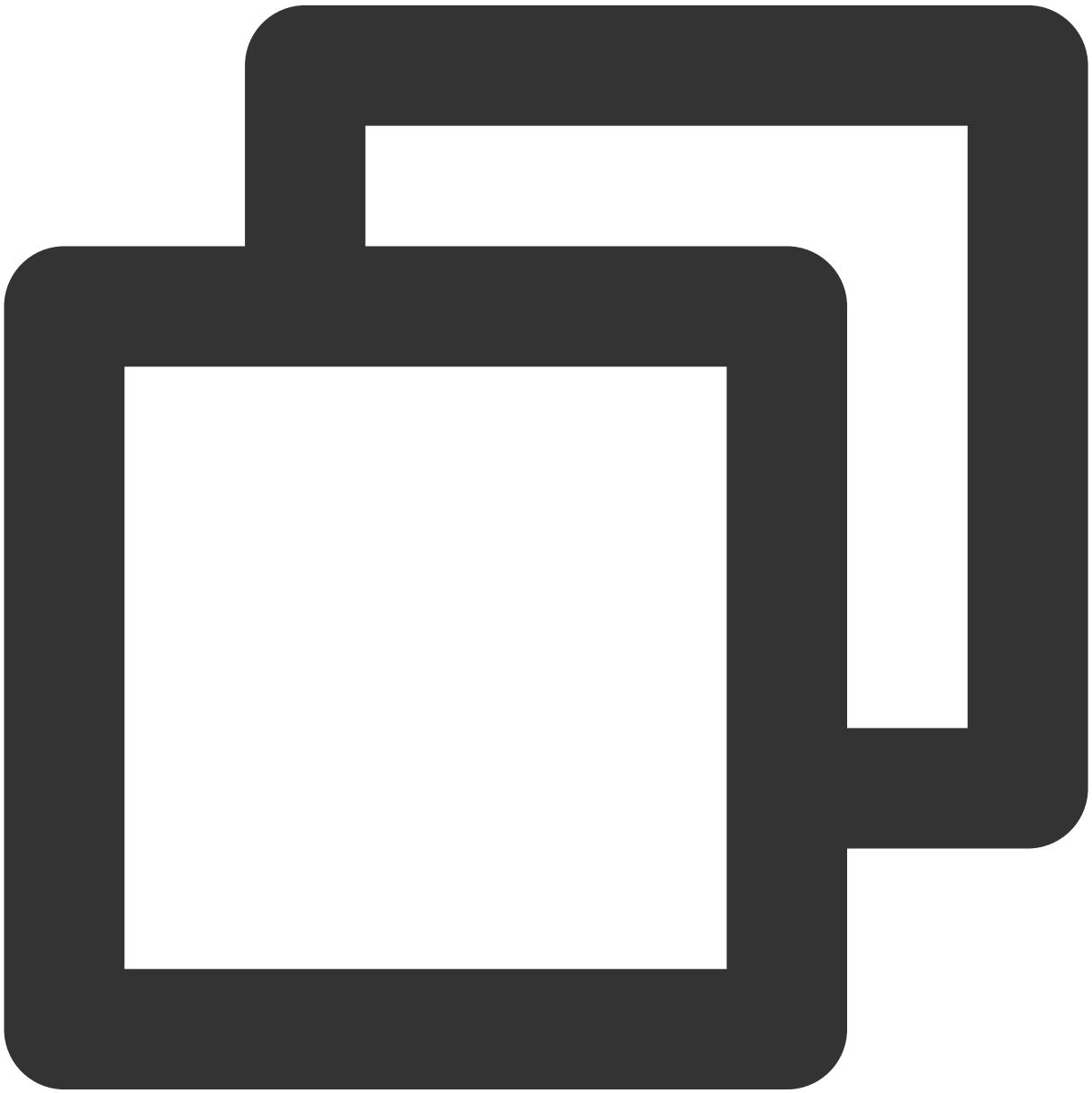
The `Offset` field specifies the sequence number of the group in the entire group list, starting from which the information is read. Offset is 0 by default. If pagination is requested (the page number starts from 1), the `Offset` value of each page should be: (Page number − 1) × Number of groups displayed on each page.
For example, to display 20 group members on each page, the request parameters for the first page should be `{"Limit": 20, "Offset": 0}`, the request parameters for the second page should be `{"Limit": 20, "Offset": 20}`, and so on.
The value of `Limit` or `Offset` does not affect `TotalCount` in the response packet.



```
{
    "Member_Account": "leckie",
```

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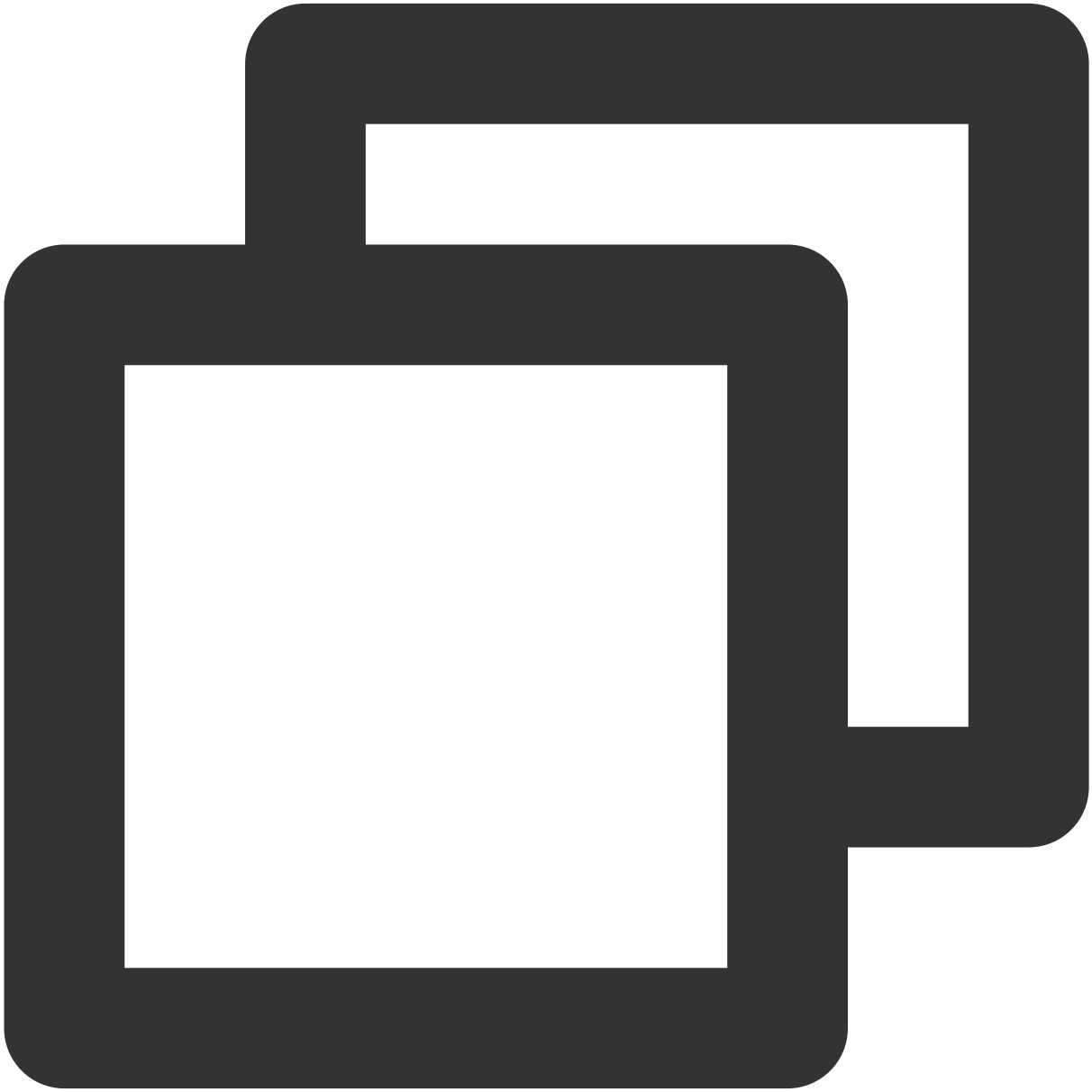
```
    "Limit": 10, // Number of groups to be pulled. If this field is not specified,
    "Offset": 0 // Sequence number of the group starting from which information is
}
```

Specifying the group type

You can specify the type of groups to be pulled, for example, Public (social networking group for strangers), Private (same as Work groups in the new version), and ChatRoom (same as Meeting groups in the new version). If AVChatRoom (audio-video group) is specified, you may obtain an incomplete list of members.



```
{
  "Member_Account": "leckie",
```

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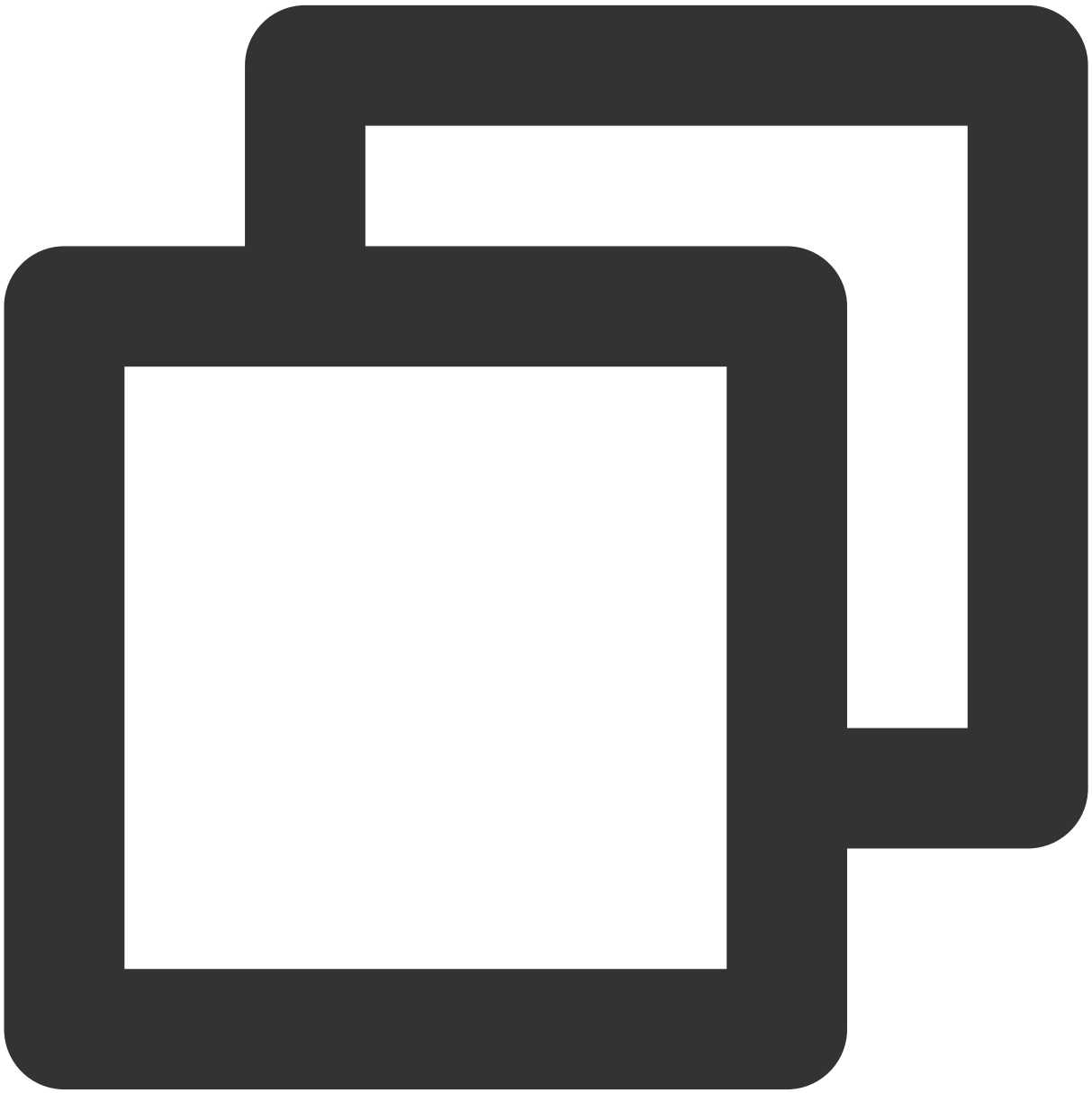
```
    "GroupType" : "Public" // Type of groups to be pulled. If this parameter is not s
}
```

Pulling specified information

To specify the basic information fields to be pulled, set `GroupBaseInfoFilter` .

To specify the group member information in the group that needs to be pulled, set `SelfInfoFilter` .



```
{
    "Member_Account": "leckie",
    "WithHugeGroups":1, // Supports pulling the information of audio-video groups (AV
    "WithNoActiveGroups":1,// Supports pulling the information of Private groups (sam
```

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```
    "Limit": 10, // Number of groups to be pulled. If this field is not specified, al
    "Offset": 0, // Sequence number of the group starting from which information is p
    "ResponseFilter": {
        "GroupBaseInfoFilter": [ // Basic information fields to be pulled
            "Type",
            "Name",
            "Introduction",
            "Notification"
        ],
        "SelfInfoFilter": [ // Member's personal information in the group
            "Role", // Role in the group
            "JoinTime" // Time when the member joined the group
        ]
    }
}
```

Pulling topic-enabled community groups

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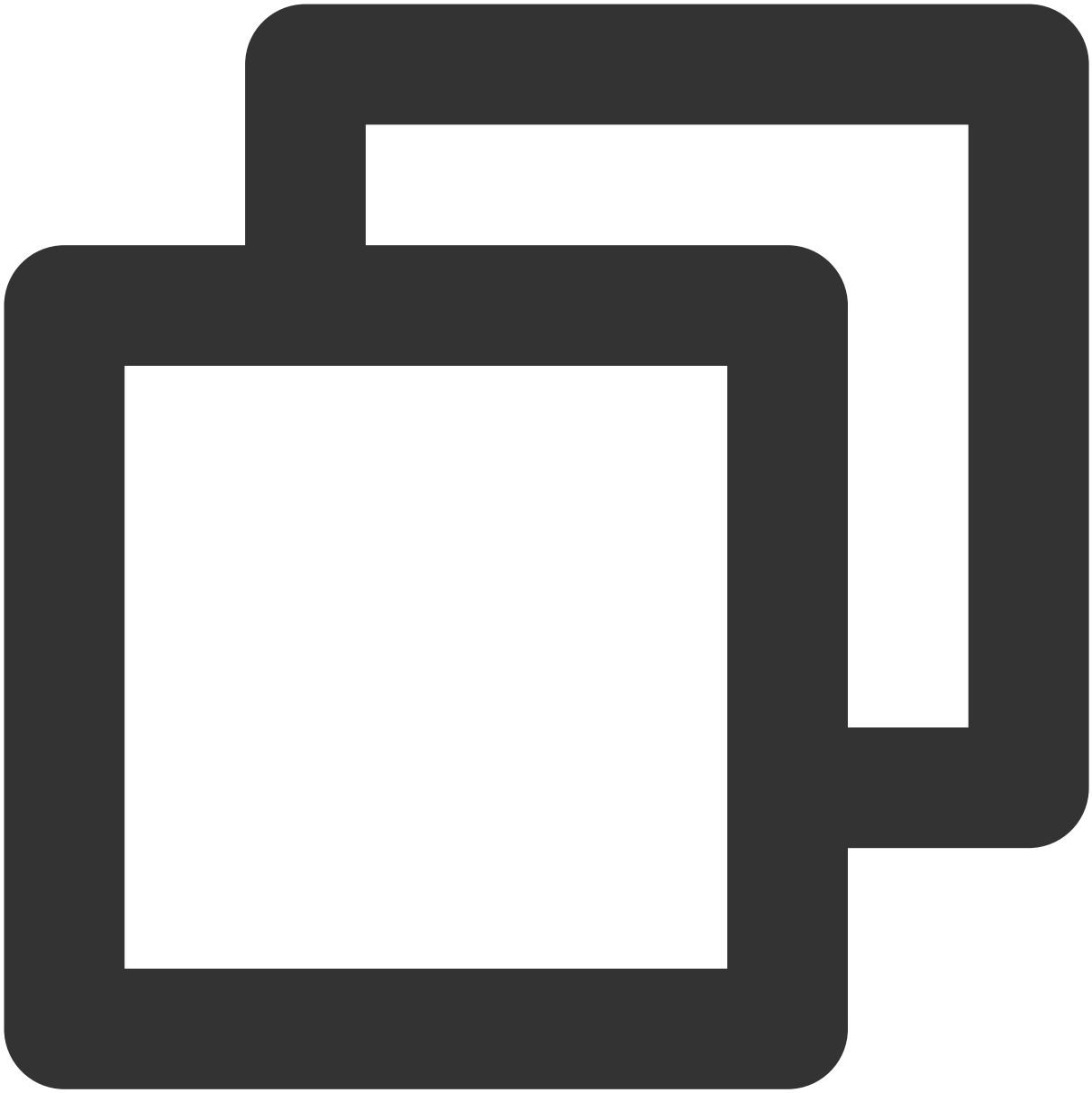

```
{
  "Member_Account": "107867",// User account to be queried (required)
  "SupportTopic": 1// Whether the specified group type supports topics. This field
}
```

ALL IN ONE

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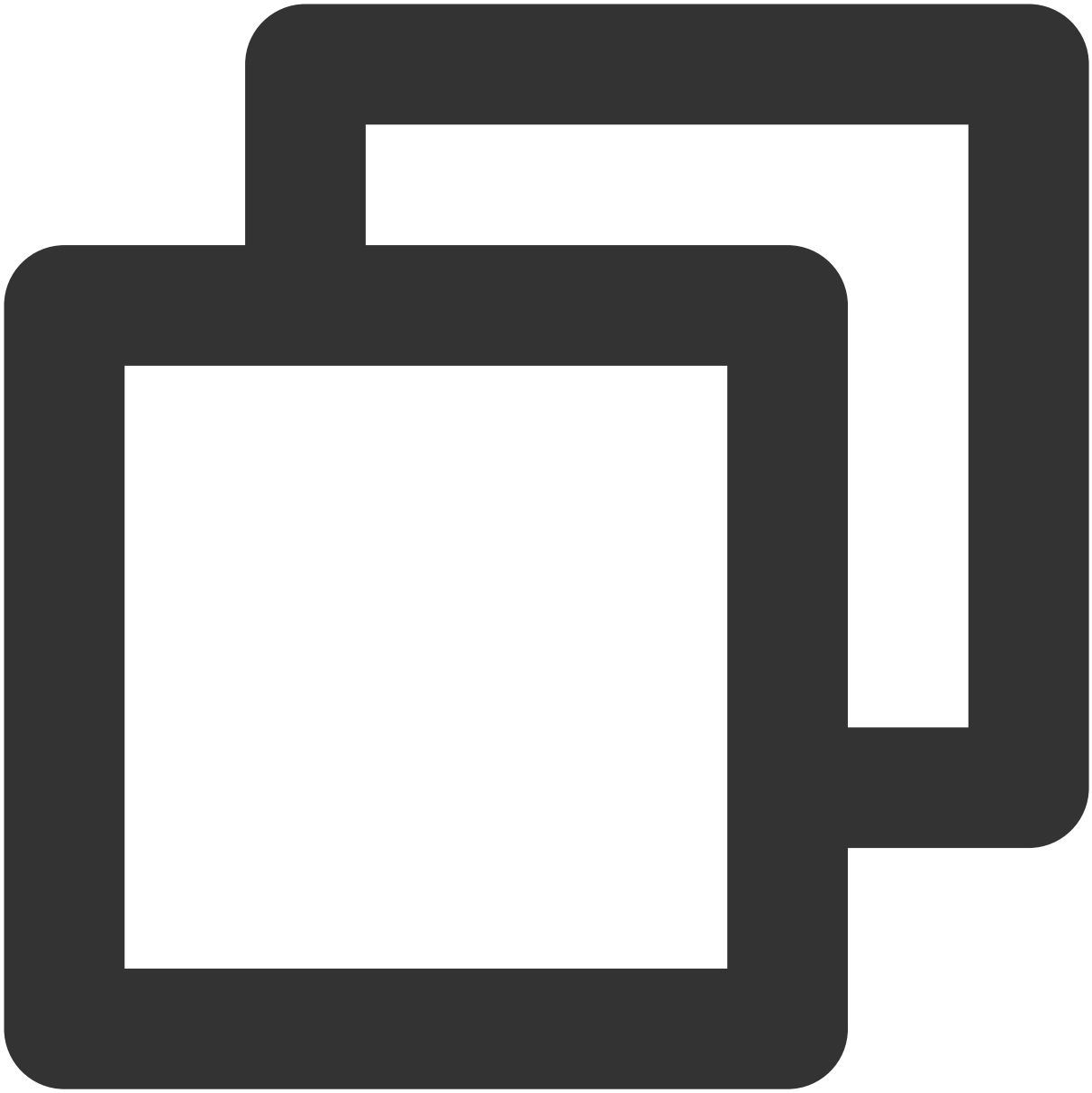

```
{
"Member_Account": "leckie",
"WithHugeGroups":1,
"WithNoActiveGroups":1,
"ResponseFilter": {
      "GroupBaseInfoFilter": [
          "Type",
          "Name",
          "Introduction",
          "Notification",
          "FaceUrl",
```

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```
            "CreateTime",
            "Owner_Account",
            "LastInfoTime",
            "LastMsgTime",
            "NextMsgSeq",
            "MemberNum",
            "MaxMemberNum",
            "ApplyJoinOption",
            "MuteAllMember"
        ],
        "SelfInfoFilter": [
            "Role",
            "JoinTime",
            "MsgFlag",
            "MsgSeq"
        ]
    }
}
```

Request fields

Field	Type	Required	Description
Member_Account	String	Yes	User account to be queried
WithHugeGroups	Integer	No	Whether to pull the information of audio-video groups (AVChatRoom) that the user has joined. `0` : No (default value); `1` : Yes
WithNoActiveGroups	Integer	No	Whether to pull the information of Private groups (same as Work groups in the new version) that the user has joined but are not activated. `0` : No (default value); `1` : Yes
Limit	Integer	No	Number of groups pulled each time. If no value is specified, all groups will be pulled.
Offset	Integer	No	Sequence number of the group starting from which information is pulled.
GroupType	String	No	Type of groups to be pulled, for example, Public (social networking group for strangers), Private (same as Work groups in the new version), ChatRoom (same as Meeting groups in the new version), AVChatRoom (audio-video groups), and Community. If no value is specified, all types of groups are pulled.
ResponseFilter	Object	No	It contains two filters: `GroupBaseInfoFilter` and

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			`SelfInfoFilter` . `GroupBaseInfoFilter` specifies the basic information fields to pull. For more information, see Group basic information. `SelfInfoFilter` specifies members' personal information to be pulled from groups. For more information, see Group member profile.
SupportTopic	Integer	No	Whether the specified group type supports topics. `1` : Yes; `0` : No. If this field is specified, `GroupType` must be `Community` .

Sample response

Basic or paged pull request

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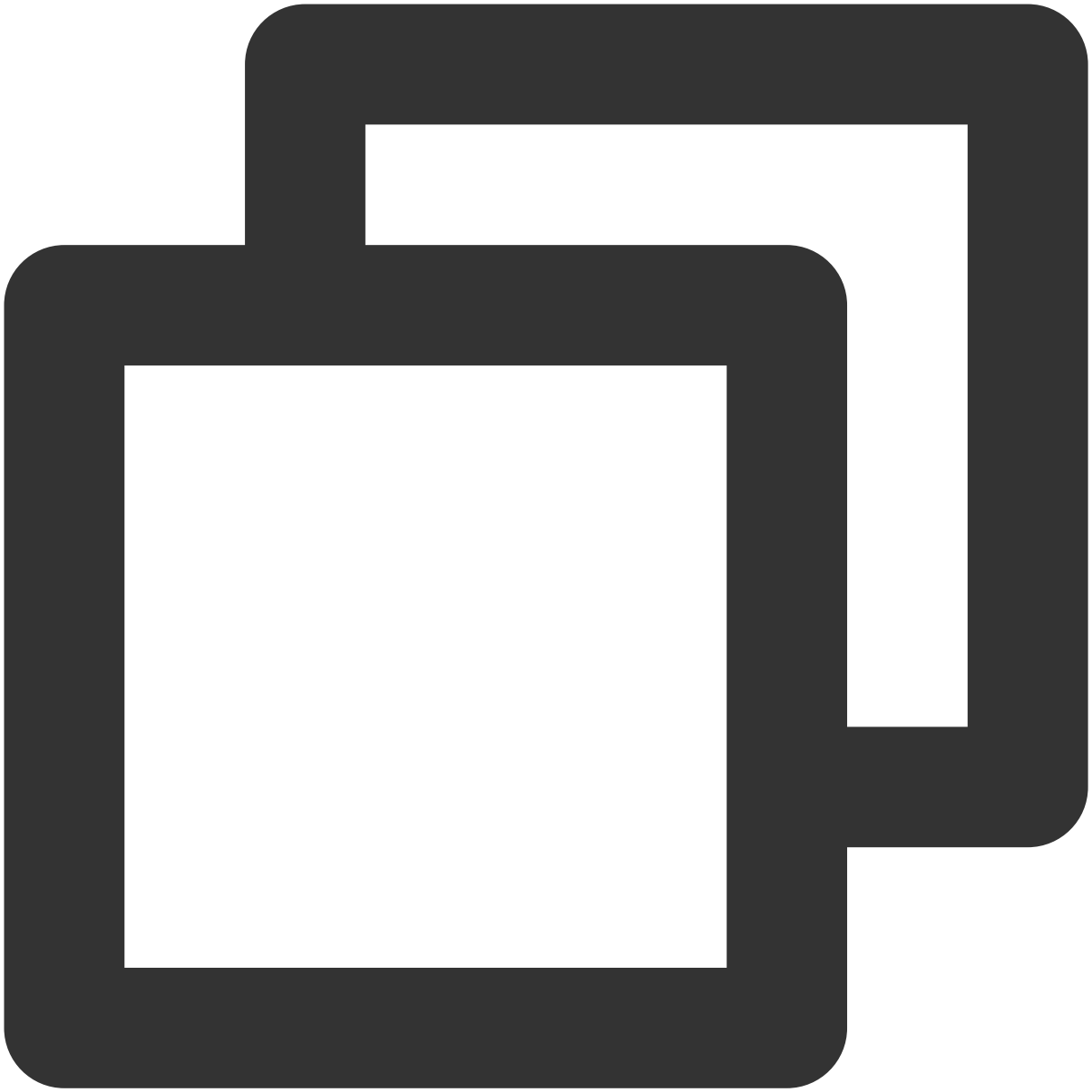

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "TotalCount": 2, // This value is the total number of groups that meet the condit
  "GroupIdList": [
      {
          "GroupId": "@TGS#2J4SZEAEL"
      },
      {
          "GroupId": "@TGS#2C5SZEAEF"
```

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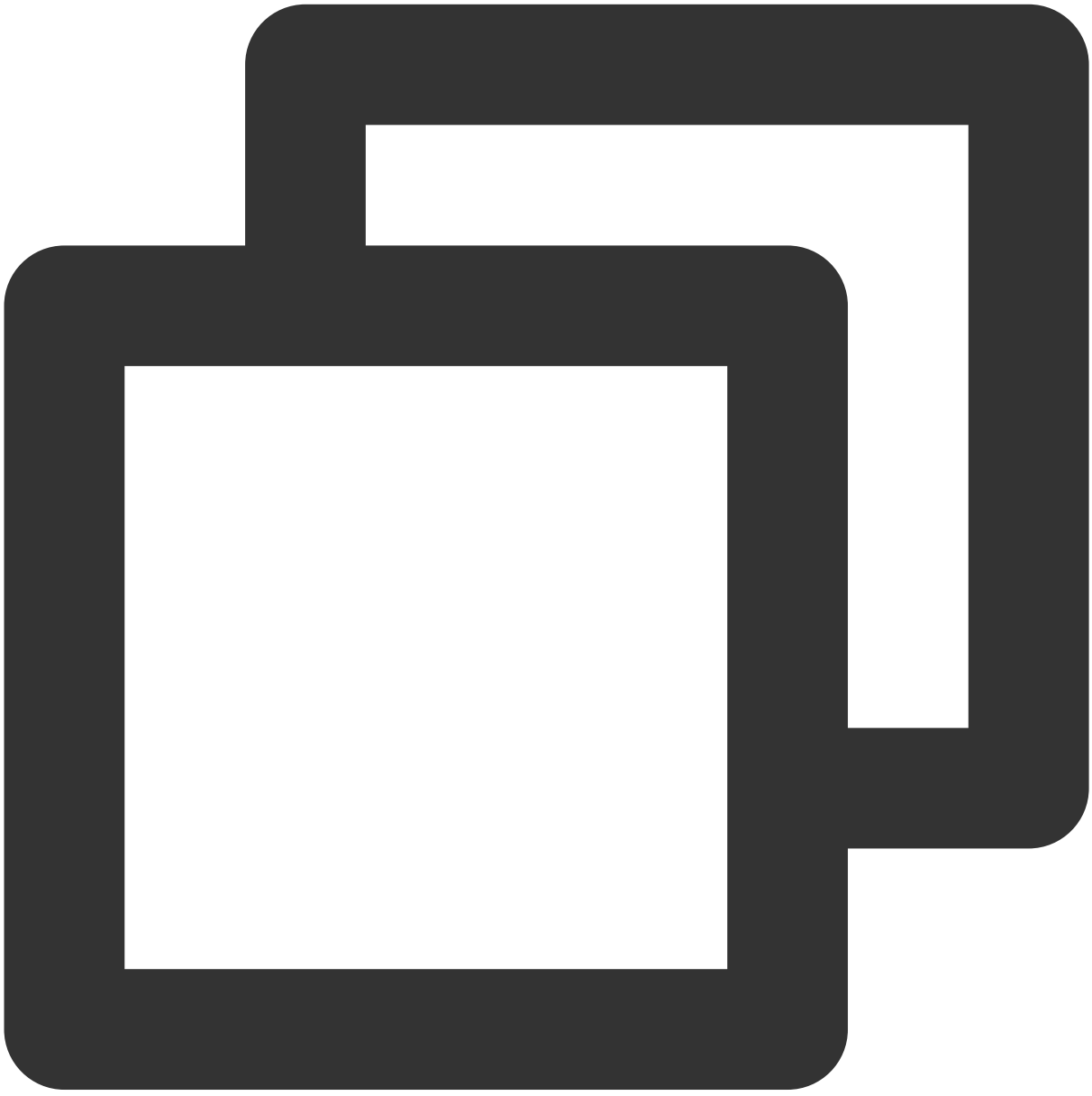
```
        }
    ]
}
```

Specifying the group type



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TotalCount": 1,
    "GroupIdList": [
```

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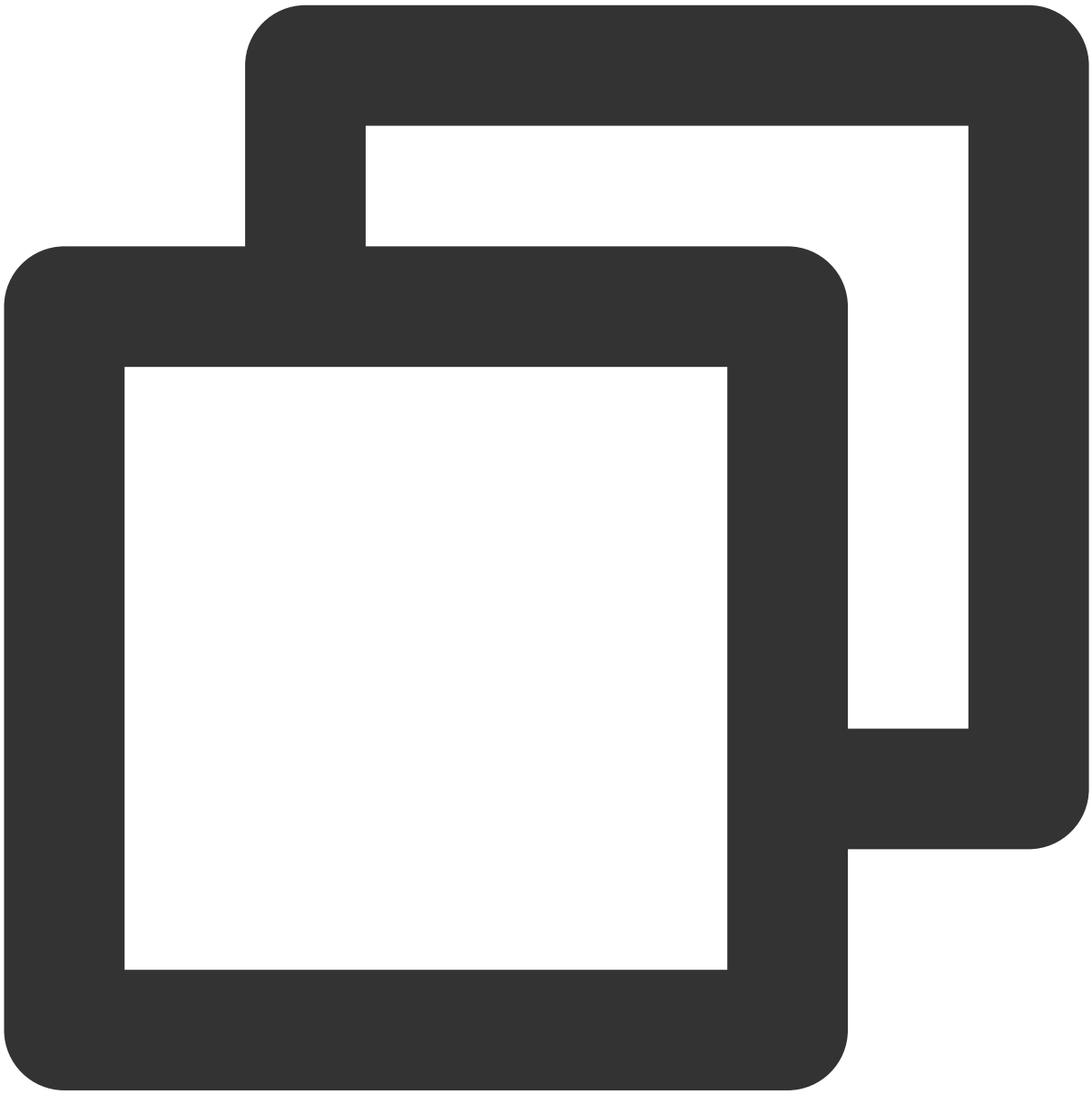
```
        {
            "GroupId": "@TGS#2J4SZEAEL"
        }
    ]
}
```

Pulling specified information



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
```

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```
    "TotalCount": 2,
    "GroupIdList": [
        {
            "GroupId": "@TGS#16UMONKGG",
            "Introduction": "",
            "Name": "d",
            "Notification": "",
            "SelfInfo": {
                "JoinTime": 1588148506,
                "Role": "Member"
            },
            "Type": "Private"
        },
        {
            "GroupId": "@TGS#3FCOX2MGW",
            "Introduction": "",
            "Name": "TestGroup",
            "Notification": "",
            "SelfInfo": {
                "JoinTime": 1588041114,
                "Role": "Member"
            },
            "Type": "ChatRoom"
        }
    ]
}
```


Pulling topic-enabled community groups

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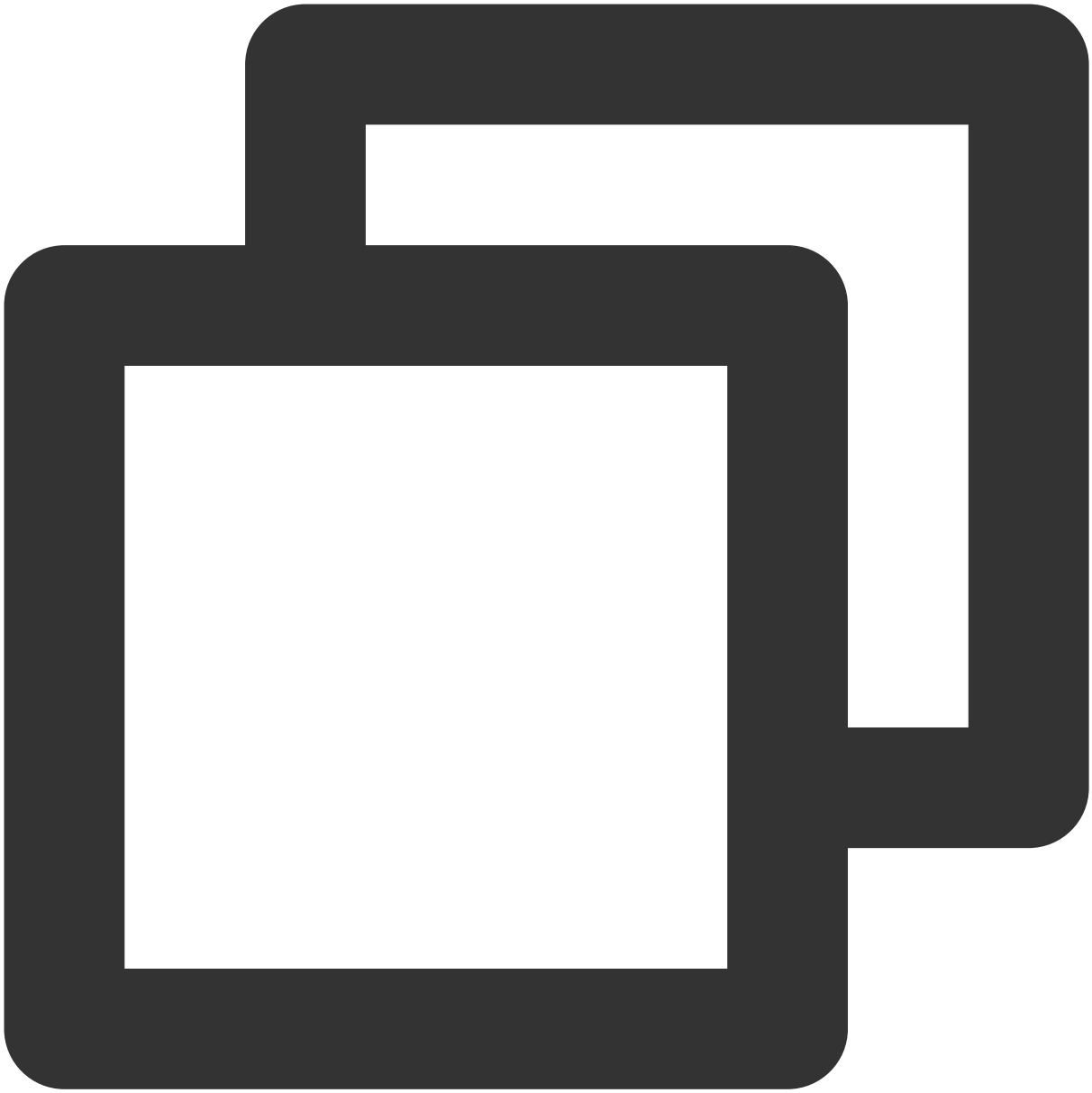


```
{
  "ActionStatus": "OK",
  "ErrorInfo": "ok",
  "ErrorCode": 0,
  "TotalCount": 1,
  "GroupIdList": [
      {
          "GroupId": "@TGS#_@TGS#cMOQ7HIM62CD",
          "Type": "Community",
          "SupportTopic": 1,
          "GrossTopicNextMsgSeq": 3,
```


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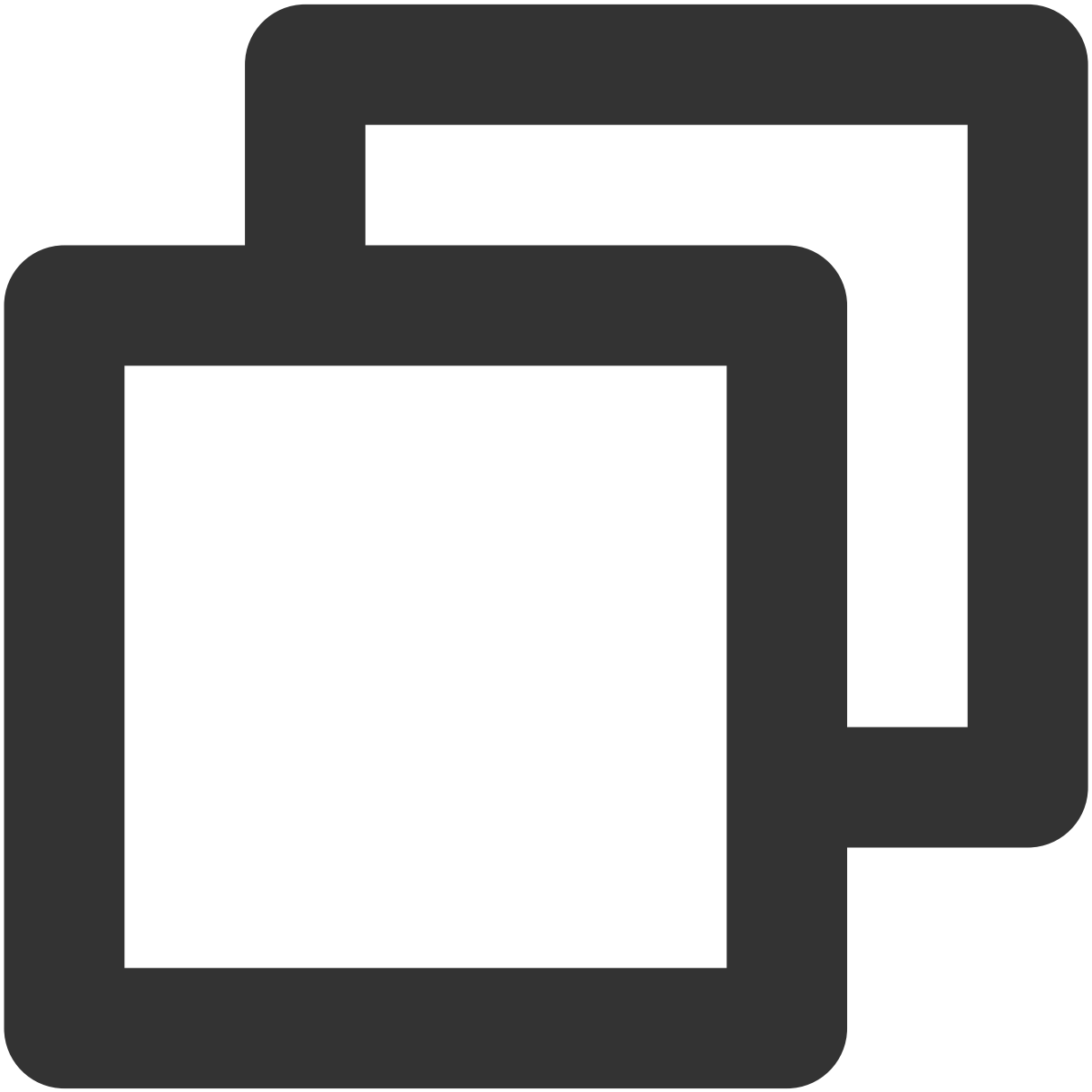
```
            "SelfInfo": {
            "GrossTopicReadSeq": 2
            }
        }
    ]
}
```

ALL IN ONE



```
{
  "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TotalCount": 1, // This value is the total number of groups that meet the condit
    "GroupIdList": [
        {
            "ApplyJoinOption": "DisableApply",
            "CreateTime": 1585718204,
            "FaceUrl": "",
            "GroupId": "@TGS#16UMONKGG",
            "Introduction": "",
            "LastInfoTime": 1588148506,
            "LastMsgTime": 0,
            "MaxMemberNum": 200,
            "MemberNum": 1,
            "Name": "d",
            "NextMsgSeq": 2,
            "Notification": "",
            "Owner_Account": "",
            "SelfInfo": {
                "JoinTime": 1588148506,
                "MsgFlag": "AcceptAndNotify",
                "Role": "Member",
                "MsgSeq": 1
            },
            "MuteAllMember": "Off",
            "Type": "Private"
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
TotalCount	Integer	Number of groups that the user has joined
GroupIdList	Array	Group information pulled. The returned result is the information filtered based on the filtering fields set in the filter. For more information on the fields, see Group Data Structure.

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	A system error occurred. Try again or contact technical support.
10003	The request command is invalid. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10018	The response packet length exceeds the maximum packet length of 1 MB because too much content was requested. Try to reduce the amount of data requested at a time.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Group Information
Getting Group Profiles

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to query the detailed group information based on one or more group IDs.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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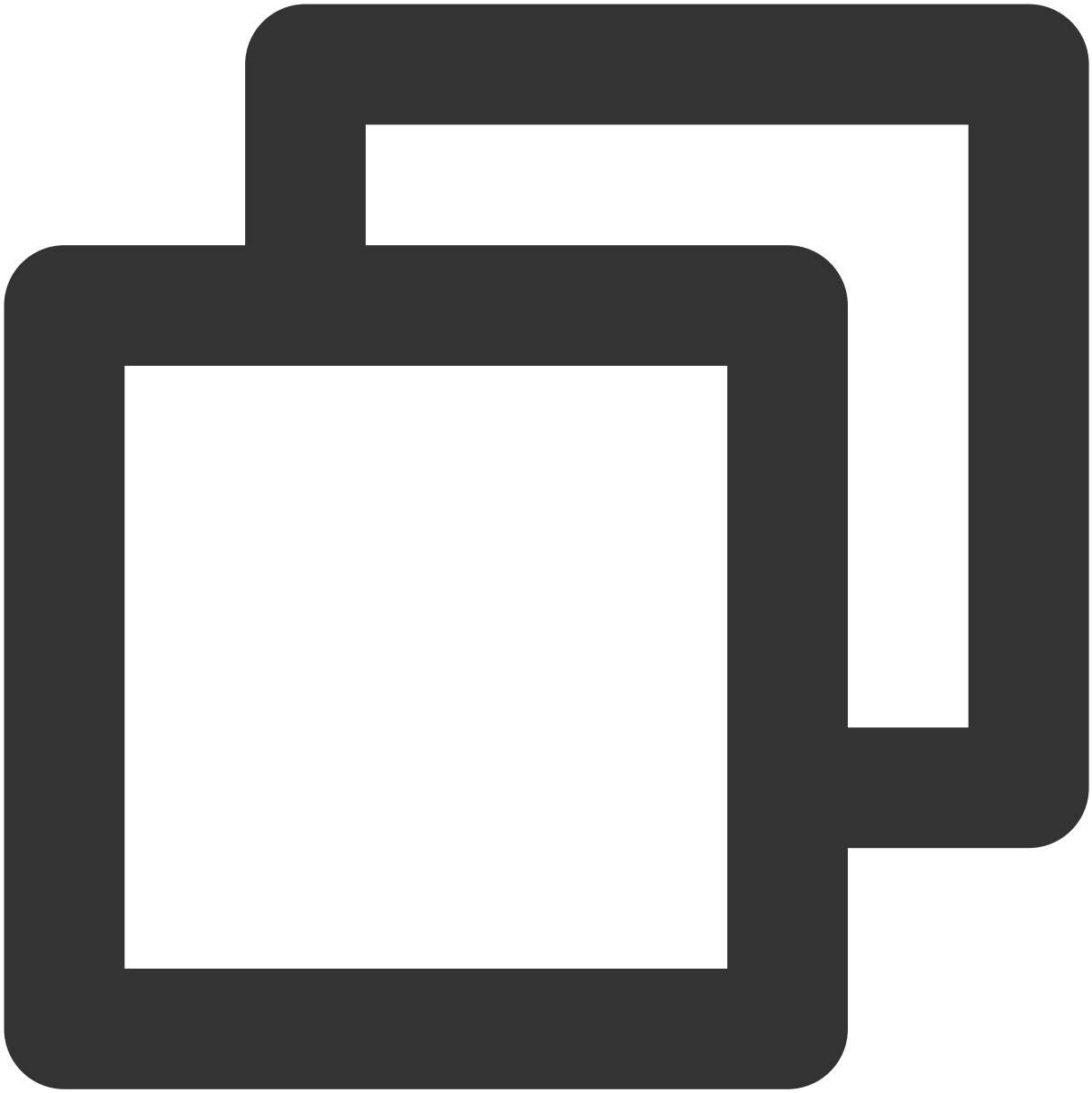

```
https://xxxxxx/v4/group_open_http_svc/get_group_info?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_group_info	The request API that is called.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

The following example is used to obtain the detailed group information, including all the basic group information, group member information, and custom information. The request contains only a list of group IDs. Each request supports the query for information on a maximum of 50 groups.

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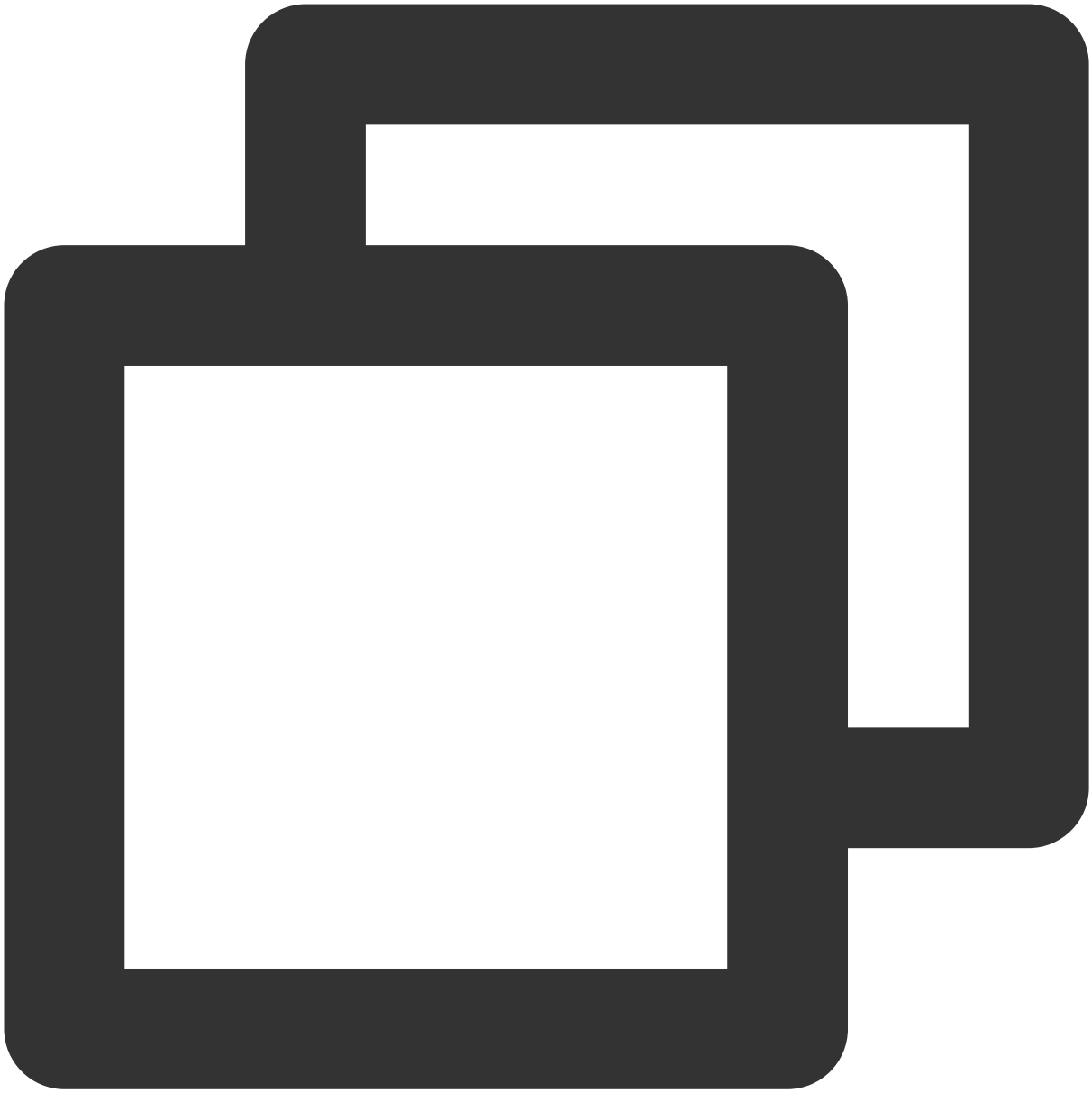

```
{
  "GroupIdList": [ // The list of group IDs specified for the query. This parameter
      "@TGS#1NVTZEAE4",
      "@TGS#1CXTZEAET"
  ]
}
```

Pulling specified information

To specify the basic information fields to be pulled, set `GroupBaseInfoFilter` .

To specify the member information fields to be pulled, set `MemberInfoFilter` .

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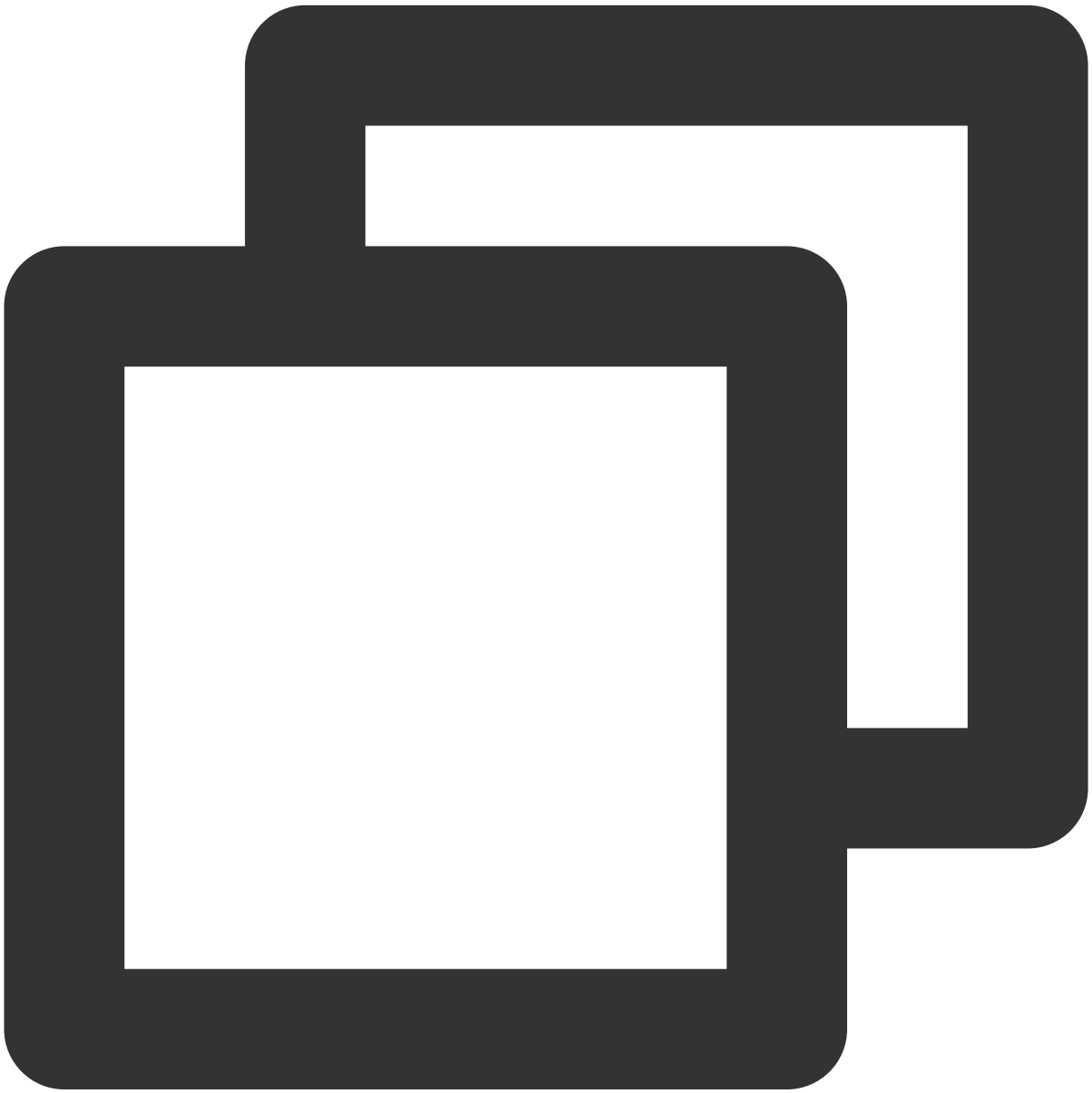
To specify the group-specific custom fields to be pulled, set AppDefinedDataFilter_Group. This field is unavailable by default and must be enabled additionally. For more information, see Request packet fields.
To specify the group's member-specific custom fields to be pulled, set AppDefinedDataFilter_GroupMember. This field is unavailable by default and must be enabled additionally. For more information, see Request packet fields.
If filters are set, only the fields specified by filters are pulled.



```
{
    "GroupIdList": [ // The list of group IDs specified for the query. This paramet
        "@TGS#1NVTZEAE4",
        "@TGS#1CXTZEAET"
```

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```
    ],
    "ResponseFilter": { // The filters that you specify for the response.
        "GroupBaseInfoFilter": [ // Add this array if you want to query the basic i
            "Type",
            "Name",
            "Introduction",
            "Notification"
        ],
        "MemberInfoFilter": [ // Add this array if you want to query the member inf
            "Account", // Member ID
            "Role"
        ],
        "AppDefinedDataFilter_Group": [ // The filter for group-specific custom fie
            "GroupTestData1",
            "GroupTestData2"
        ],
        "AppDefinedDataFilter_GroupMember": [ // The filter for group member-specif
            "MemberDefined2",
            "MemberDefined1"
        ]
    }
}
```

Request fields

Field	Type	Required	Description
GroupIdList	Array	Required	The list of group IDs that you specify for the query.
ResponseFilter	Object	Optional	It contains three filters: `GroupBaseInfoFilter`, `MemberInfoFilter`, and `AppDefinedDataFilter_Group`.
GroupBaseInfoFilter	Array	Optional	Basic information field filter, which specifies the basic information fields to query. For more information, see Group basic data.
MemberInfoFilter	Array	Optional	Member information field filter, which specifies the member information fields to query. For more information, see Group member information.
AppDefinedDataFilter_Group	Array	Optional	The group-specific custom field filter, which specifies the group-specific custom fields to

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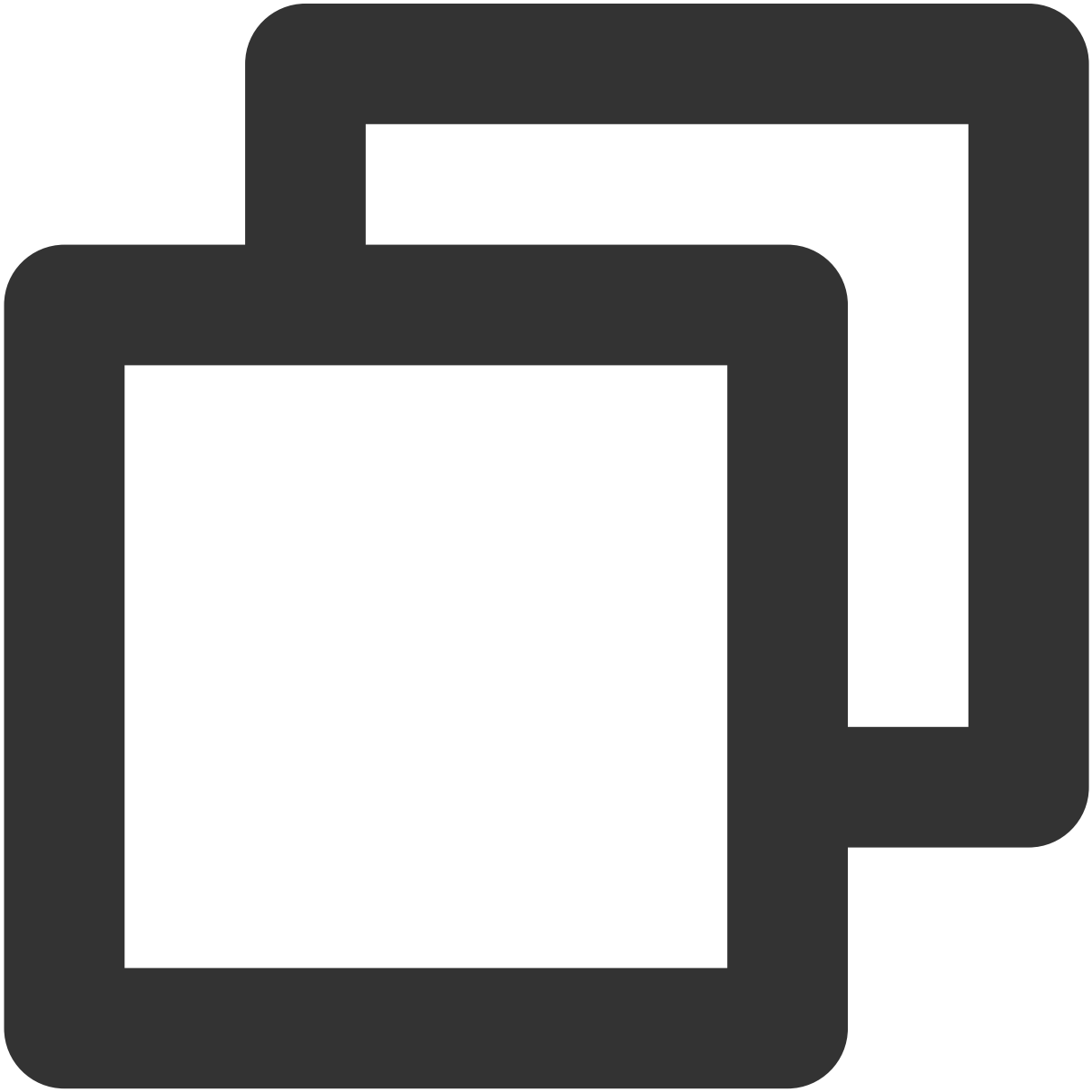
			query. For more information, see Custom fields.
AppDefinedDataFilter_GroupMember	Array	Optional	The group member-specific custom field filter, which specifies the group member-specific custom fields to be query. For more information, see Custom fields.

Sample response

Basic format



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```
{
  "ActionStatus": "OK",
  "ErrorInfo": "", // The ErrorInfo parameter here is meaningless. You need to chec
  "ErrorCode": 0, // The ErrorCode parameter here is meaningless. You need to check
  "GroupInfo": [ // A group information array is returned. Only one group is listed
      {
          "GroupId": "@TGS#2J4SZEAEL",
          "ErrorCode": 0, // The result specific to this group
          "ErrorInfo": "" , // The result specific to this group
          "Type": "Public", // Group type
          "Name": "MyFirstGroup", // Group name
          "Appid":1400001001,// SDKAppID of the Chat app
          "Introduction": "TestGroup", // Group introduction
          "Notification": "TestGroup", // Group notice
          "FaceUrl": "http://this.is.face.url", // Group profile photo
          "Owner_Account": "leckie", // Group owner ID
          "CreateTime": 1426976500, // Group creation time in UTC
          "LastInfoTime": 1426976500, // The UTC time when the group information wa
          "LastMsgTime": 1426976600, // The UTC time when the last message in the g
          "NextMsgSeq": 1234,
          "MemberNum": 2, // Current number of members in the group
          "MaxMemberNum": 50, // Maximum number of members in the group
          "ApplyJoinOption": "FreeAccess", // Method of handling requests to join t
          "MuteAllMember": "On", // Whether to mute all members in the group
          "AppDefinedData": [ // Group-specific custom fields
              {
                  "Key": "GroupTestData1", // Key of the custom field
                  "Value": "xxxx" // Value of the custom field
              },
              {
                  "Key": "GroupTestData2",
                  "Value": "abc\\u0000\\u0001" // The custom field supports binary
              }
          ],
          "MemberList": [ // Group member list
              {
                  "Member_Account": "leckie", // Member ID
                  "Role": "Owner", // The role of the member in the group
                  "JoinTime": 1425976500, // The UTC time when the member joined th
                  "MsgSeq": 1233,
                  "MsgFlag": "AcceptAndNotify", // Indicates whether the member blo
                  "LastSendMsgTime": 1425976500, // The last time in UTC when the m
                  "MuteUntil": 1431069882, // UTC time when the muting period expir
                  "AppMemberDefinedData": [ // Custom group member fields
                      {
                          "Key": "MemberDefined1",
                          "Value": "ModifyDefined1"
```

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```
                        },
                        {
                             "Key": "MemberDefined2",
                             "Value": "ModifyDefined2"
                        }
                    ]
                },
                {
                    "Member_Account": "peter",
                    "Role": "Member",
                    "JoinTime": 1425976500, // Time when the member joined the group
                    "MsgSeq": 1233,
                    "MsgFlag": "AcceptAndNotify",
                    "LastSendMsgTime": 1425976500, // Last time when the member sent
                    "MuteUntil": 0, // The value `0` indicates that the member is not
                    "AppMemberDefinedData":[ // Custom group member fields
                        {
                            "Key": "MemberDefined1",
                            "Value": "ModifyDefined1"
                        },
                        {
                            "Key":"MemberDefined2",
                            "Value":"ModifyDefined2"
                        }
                     ]
                }
            ]
        }
    ]
}
```

Pulling specified information

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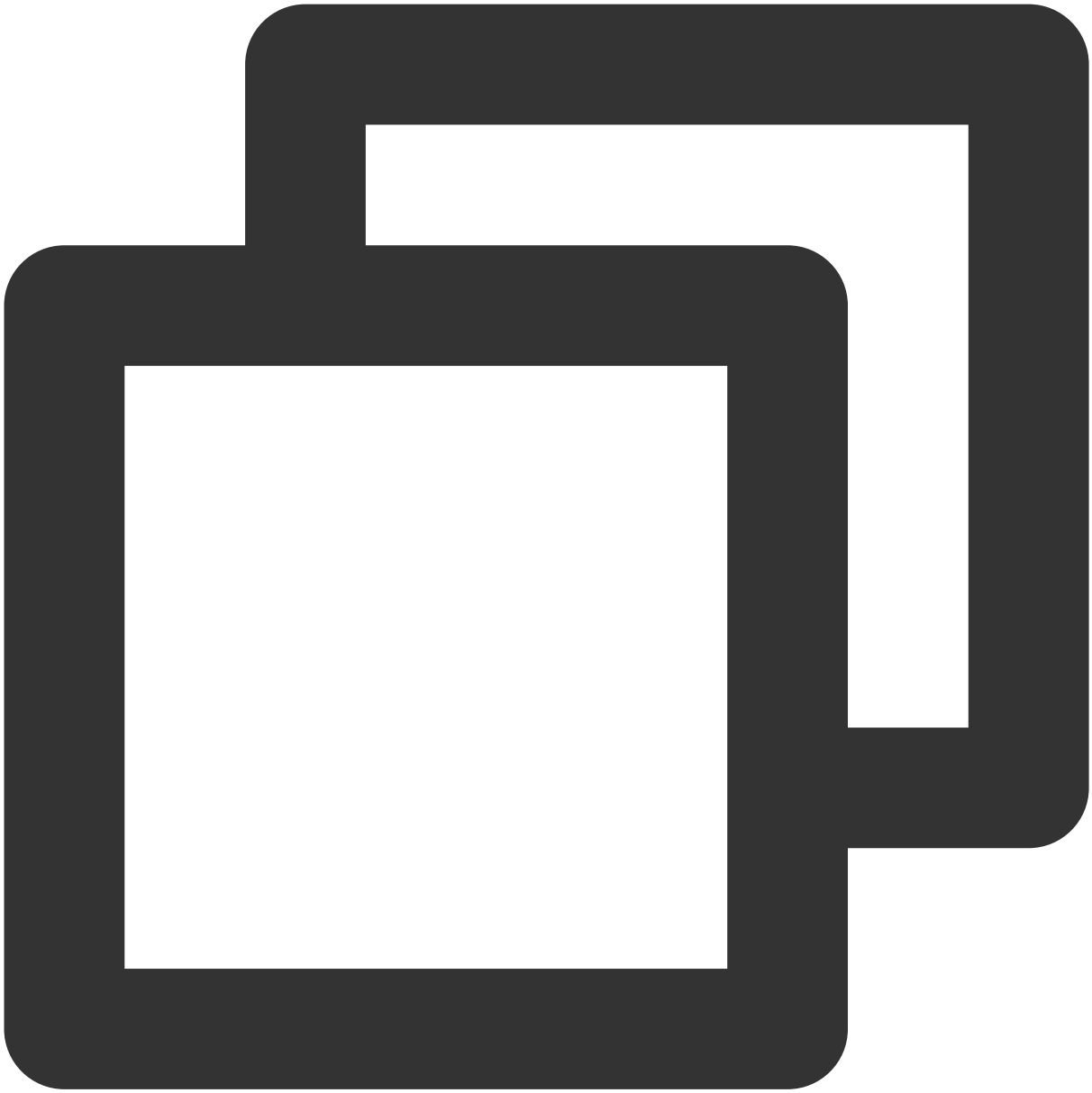

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "", // The ErrorInfo parameter here is meaningless. You need to chec
  "ErrorCode": 0, // The ErrorCode parameter here is meaningless. You need to check
  "GroupInfo": [ // A group information array is returned. Only one group is listed
      {
          "GroupId": "@TGS#2J4SZEAEL",
          "ErrorCode": 0, // The result specific to this group
          "ErrorInfo":"" , // The result specific to this group
          "Type": "Public", // Group type
          "Name": "MyFirstGroup", // Group name
```

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```
            "Introduction": "TestGroup", // Group introduction
            "Notification": "TestGroup", // Group notice
            "AppDefinedData": [ // Group-specific custom fields
                {
                    "Key": "GroupTestData1", // Key of the custom field
                    "Value": "xxxx" // Value of the custom field
                },
                {
                    "Key": "GroupTestData2",
                    "Value": "abc\\u0000\\u0001" // The custom field supports binary
                }
            ],
            "MemberList": [ // Group member list
                {
                    "Member_Account": "leckie", // Member ID
                    "Role": "Owner", // The role of the member in the group
                    "AppMemberDefinedData":[ // Custom group member fields
                        {
                            "Key":"MemberDefined1",
                            "Value":"ModifyDefined1"
                        },
                        {
                            "Key":"MemberDefined2",
                            "Value":"ModifyDefined2"
                        }
                     ]
                },
                {
                    "Member_Account": "peter",
                    "Role": "Member",
                    "AppMemberDefinedData":[ // Custom group member fields
                        {
                            "Key":"MemberDefined1",
                            "Value":"ModifyDefined1"
                        },
                        {
                            "Key":"MemberDefined2",
                            "Value":"ModifyDefined2"
                        }
                     ]
                }
            ]
        }
    ]
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupInfo	Array	Group information array returned, including basic group information fields, group member information fields, group-specific custom fields, and group member-specific custom fields. For more information on the fields, see Group Data Structure.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	A system error occurred. Try again or contact technical support.
10003	The request command is invalid. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10007	Insufficient operation permissions. Check whether the operator is the app admin.
10010	The group does not exist or has been deleted.
10015	The group ID is invalid. Please check the group ID.
10018	The response packet length exceeds the maximum packet length of 1 MB because too much content was requested. Try to reduce the amount of data requested at a time.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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References

Getting Group Member Profiles (v4/group_open_http_svc/get_group_member_info)

Modifying the Profile of a Group (v4/group_open_http_svc/modify_group_base_info)

Modifying the Profile of a Group Member (v4/group_open_http_svc/modify_group_member_info)

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Modifying the Profile of a Group

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to modify the profile of a specified group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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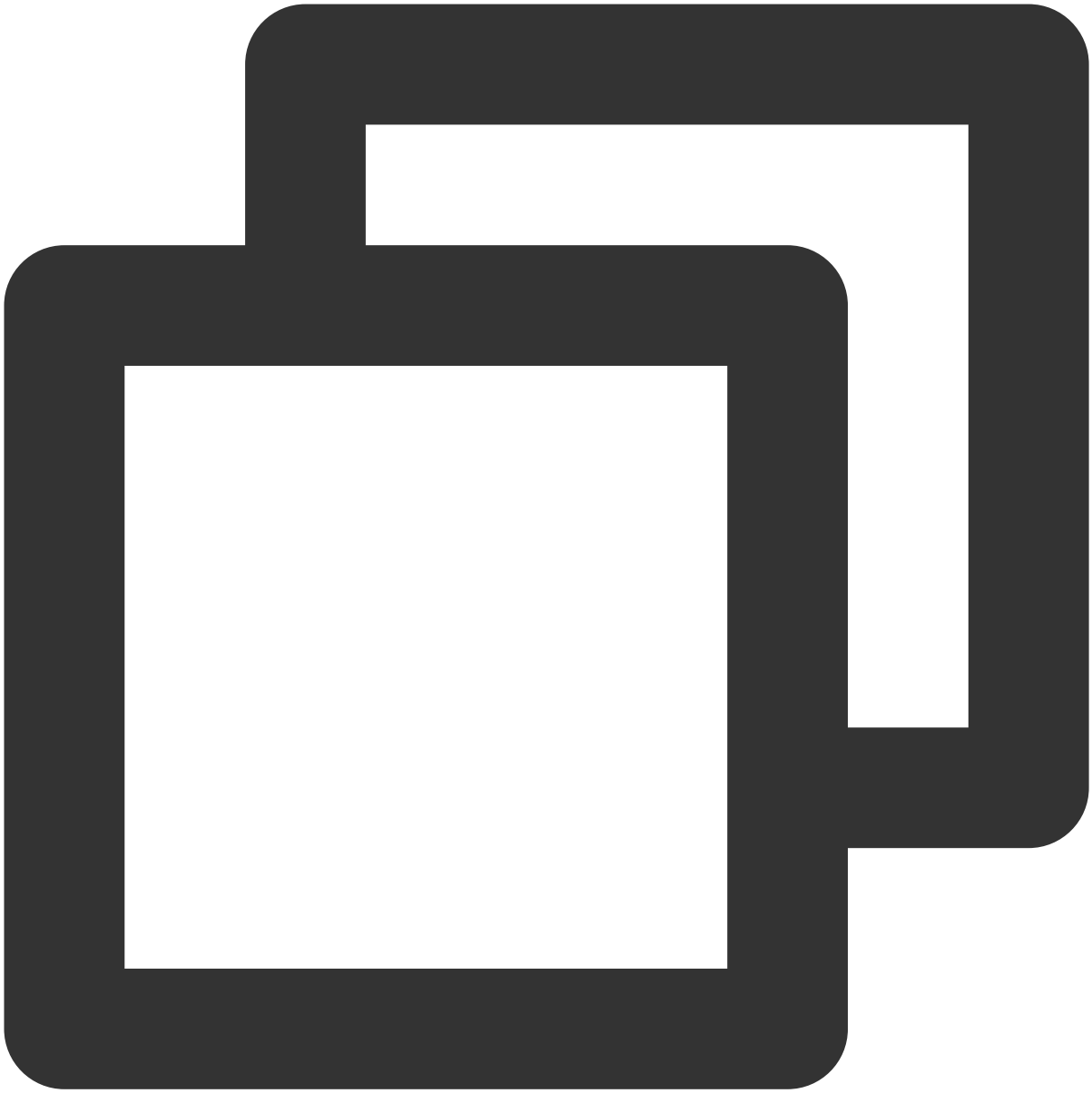

```
https://xxxxxx/v4/group_open_http_svc/modify_group_base_info?sdkappid=88888888&iden
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_base_info	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Modify basic group information

Modify basic group information, such as the group name and group announcement.

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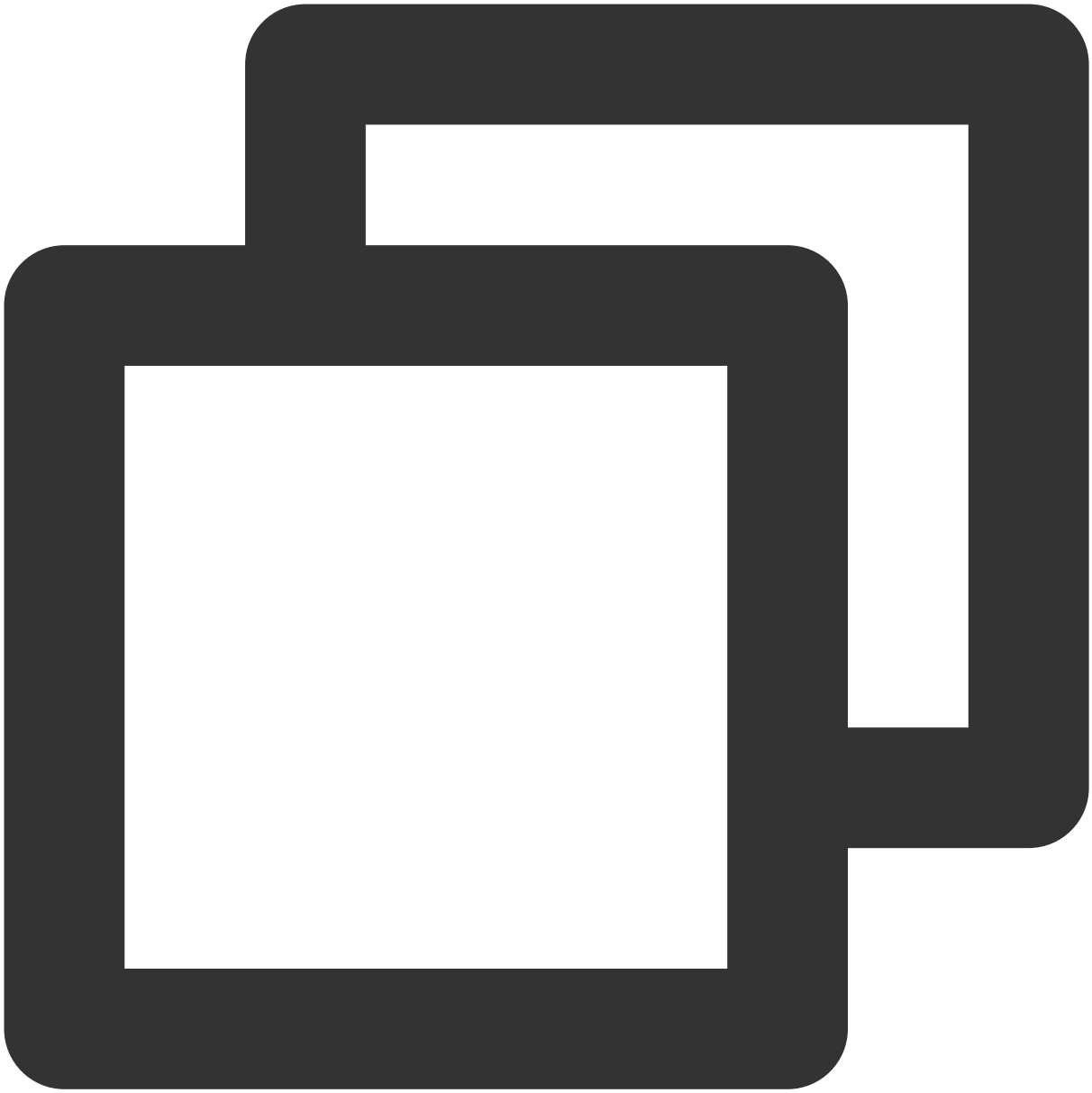

```
{
  "GroupId": "@TGS#1NVTZEAE4", // Group whose basic profile you want to modify (req
  "Name": "NewName", // Group name (optional)
  "Introduction": "NewIntroduction", // Group introduction (optional)
  "Notification": "NewNotification", // Group notice (optional)
  "FaceUrl": "http://this.is.new.face.url", // Group profile photo (optional)
  "MaxMemberNum": 500, // Maximum number of group members (optional)
  "ApplyJoinOption": "NeedPermission", // Method for applying to join the group (op
  "MuteAllMember": "On" // Mutes all members (optional). "On": Enable, "Off": Disab
}
```

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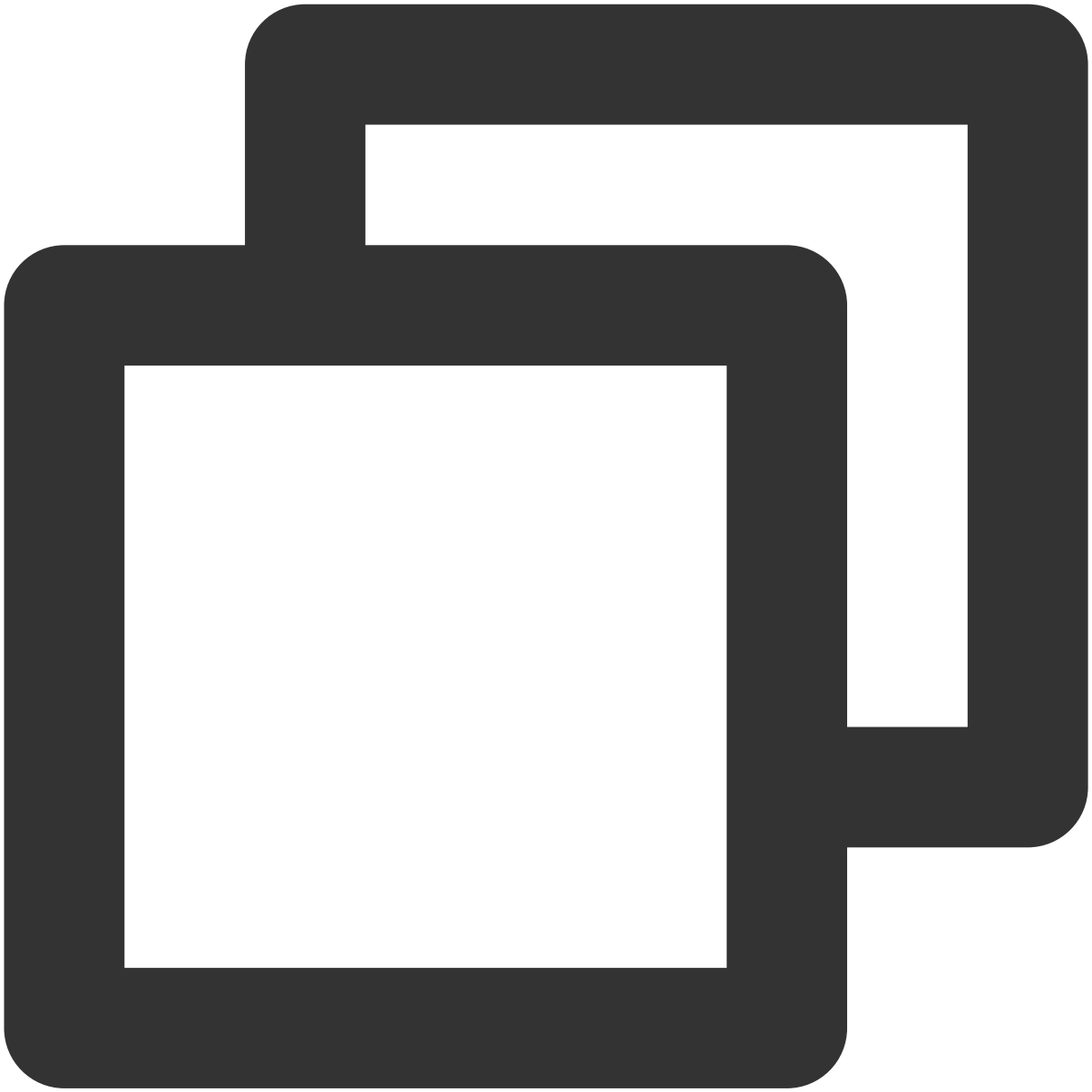
Set custom group information

Set a group's custom field information. By default, custom information is not available and needs to be enabled in the Chat console. For details, see the description table for request packet fields.



```
{
  "GroupId": "@TGS#1NVTZEAE4", // Group whose basic profile you want to modify (req
  "AppDefinedData": [ // Custom field (optional)
      {
          "Key": "GroupTestData1", // Custom field key to be modified
          "Value": "NewData"  // New value of the custom field
      }
```

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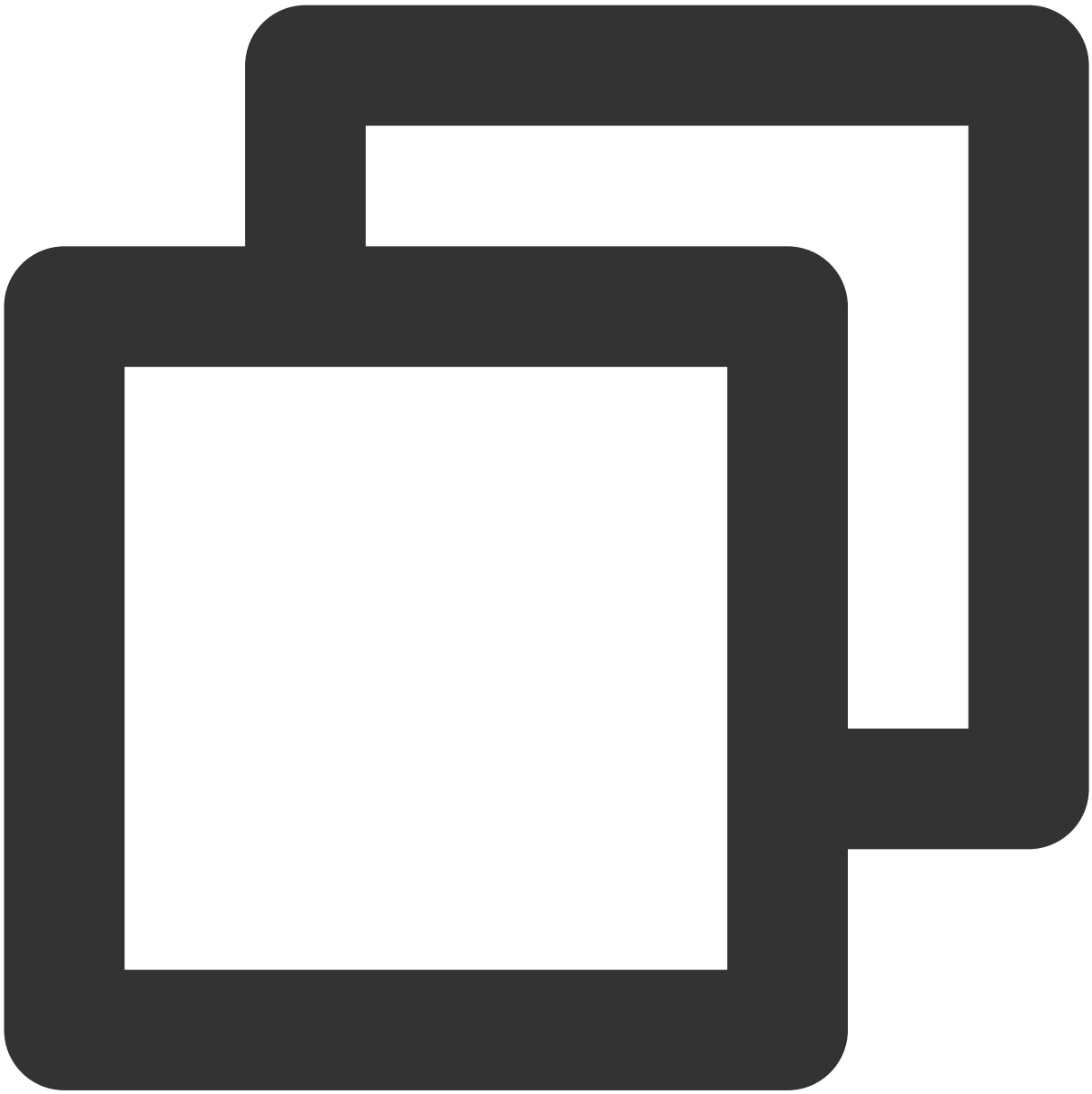
```
    ]
}
```

Delete custom group information

Delete a group's custom field information that you have set.



```
{
  "GroupId": "@TGS#1NVTZEAE4", // Group whose basic profile you want to modify (req
  "AppDefinedData": [  // Custom field (optional)
      {
          "Key": "GroupTestData2",
```

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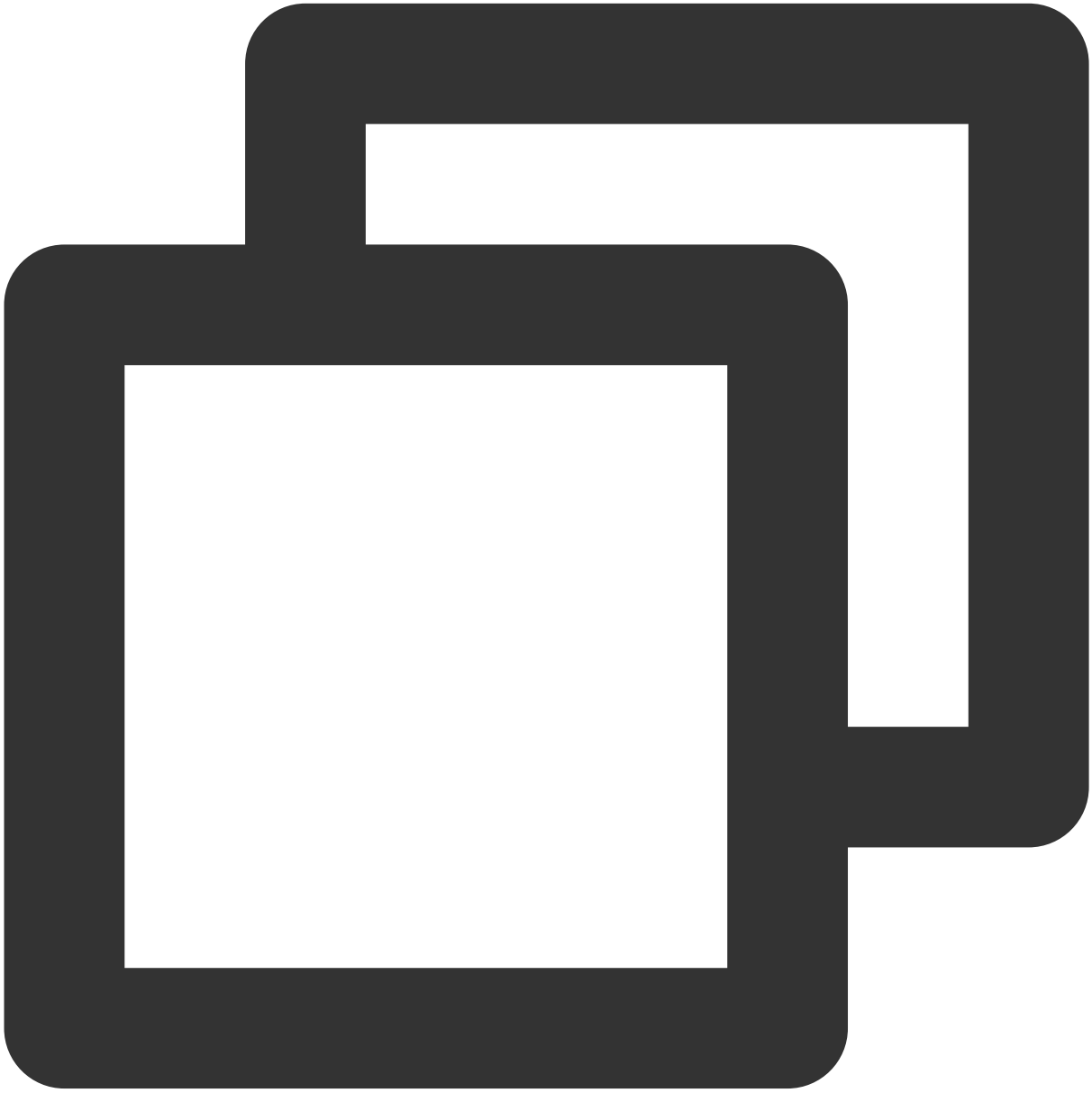
```
            "Value": "" // If this parameter is empty, the custom field is to be dele
        }
    ]
}
```

ALL IN ONE



```
{
    "GroupId": "@TGS#2J4SZEAEL", // Group whose basic profile you want to modify (req
    "Name": "NewName", // Group name (optional)
    "Introduction": "NewIntroduction", // Group introduction (optional)
    "Notification": "NewNotification", // Group notice (optional)
```

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```
    "FaceUrl": "http://this.is.new.face.url", // Group profile photo (optional)
    "MaxMemberNum": 500, // Maximum number of group members (optional)
    "ApplyJoinOption": "NeedPermission", // Method for applying to join the group (op
    "MuteAllMember": "On", // Mutes all members, which is optional. `On`: Enable. `Of
    "AppDefinedData": [ // Custom field (optional)
        {
            "Key": "GroupTestData1", // Custom field key to be modified
            "Value": "NewData" // New value of the custom field
        },
        {
            "Key": "GroupTestData2",
            "Value": "" // If this parameter is empty, the custom field is to be dele
        }
    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Required	ID of the group whose basic information you want to modify.
Name	String	Optional	The maximum length is 30 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
Introduction	String	Optional	The maximum length is 240 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
Notification	String	Optional	The maximum length is 300 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
FaceUrl	String	Optional	URL of the group profile photo, whose maximum length is 100 bytes.
MaxMemberNum	Integer	No	Maximum number of group members For work groups (Work), public groups (Public), meeting groups (Meeting), and communities, see the upper limit on the number of group members in Group System. For audio-video groups (AVChatRoom), this field is invalid and doesn't need to be specified.
ApplyJoinOption	String	Optional	Method for handling requests to join the group. Valid values: `FreeAccess`, `NeedPermission`, and `DisableApply`. Community groups currently do not support this field.
AppDefinedData	Array	Optional	By default, this field is not available. To learn how to enable

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			group-level custom fields, see Custom Fields.
MuteAllMember	String	Optional	Mutes all members in a group and allows only the group admin, group owner, and system admin to speak.
InviteJoinOption	String	Optional	Method for handling invitations to join the group. Valid values: FreeAccess (directly inviting users to the group without approval and other operations), NeedPermission (requiring approval from the group admin or owner), and DisableInvite (not supporting SDK invitations to the group). This option is not supported by the AVChatRoom group type.
From_Account	String	Optional	Operator source account, optional. If this field is not filled in, the operator who modifies the group information is the App admin account used when calling this interface. In addition, the App can also "forge" the operator who modifies the group information through this field to implement some special functional requirements. If you specify this field, you must ensure that the account in the field exists.
EnablePermission	Integer	Optional	Only communities that support topics can set this field. Whether to enable the permission group as the basis for permission judgement: 0: Disable 1: Enable
DefaultPermission	Integer	Optional	Only groups that enable the permission group as the basis for permission judgement can set this field. The default permissions of a group member in the group.

Sample response

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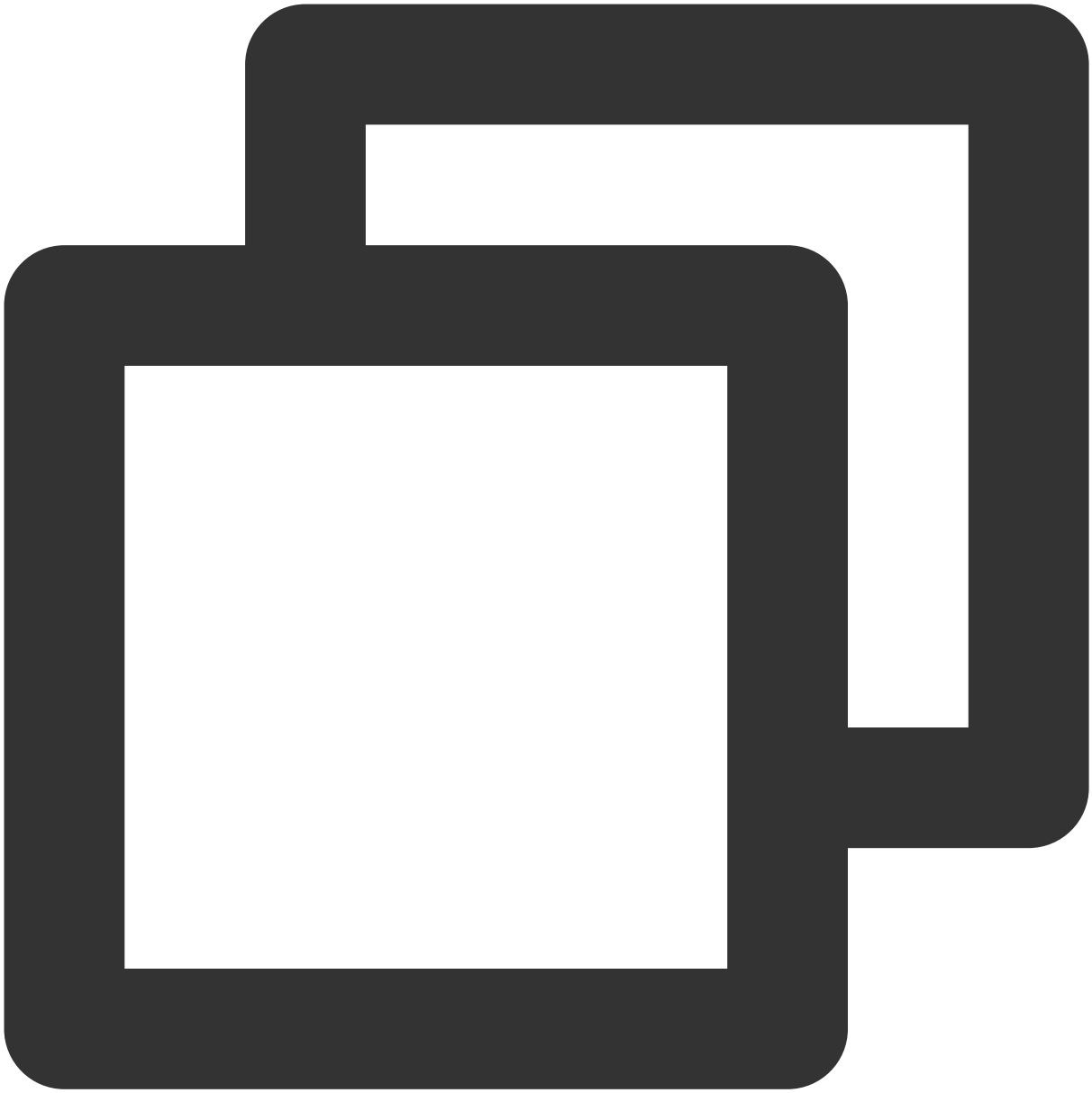

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10026	The command word of the SDKAppID request is disabled. Please submit a ticket.
10007	Insufficient operation permissions. Check whether the operator is the app admin or whether the operator has the permission to modify the fields in the request.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Deleting Group Members (v4/group_open_http_svc/delete_group_member)

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Importing a Group Profile

Last updated：2024-07-16 11:15:59

Feature Overview

This API allows the app admin to import group data without triggering callbacks or delivering notifications. When your app needs to be migrated to Chat from another instant messaging system, you can use this API to import existing group data.

API Calling Description

Applicable group types

Group Type	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the built-in group types of the Chat service. For more information, see Group System.

Note

AVChatRoom groups do not support importing basic group data. If you attempt to import basic group data for AVChatRoom groups, error 10007 is returned. To achieve the effect of importing basic group data, you can create a group and modify basic group data.

Sample request URL

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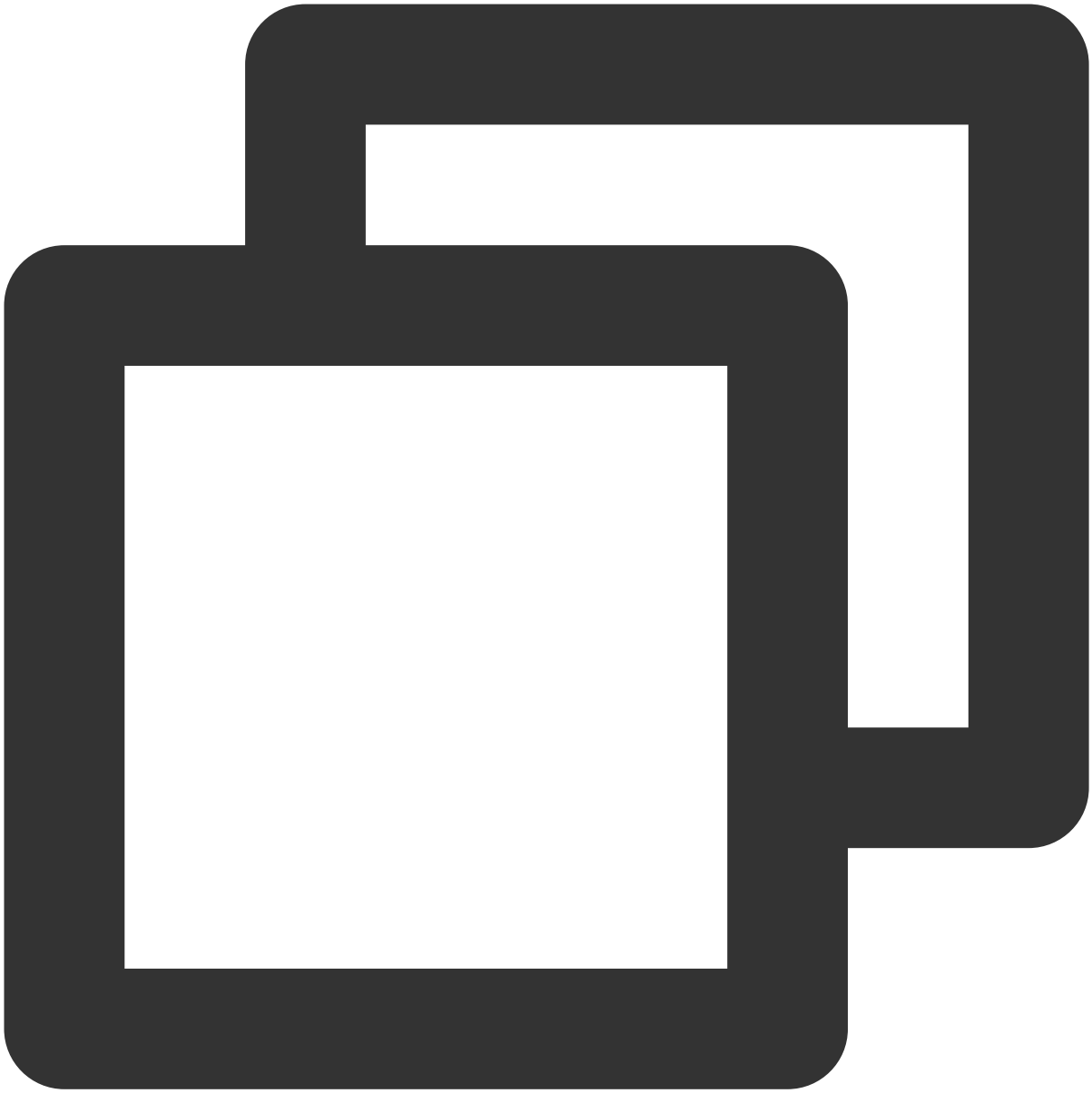

```
https://xxxxxx/v4/group_open_http_svc/import_group?sdkappid=88888888&identifier=adm
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/import_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Import a group. You can use `CreateTime` to specify the group creation time.

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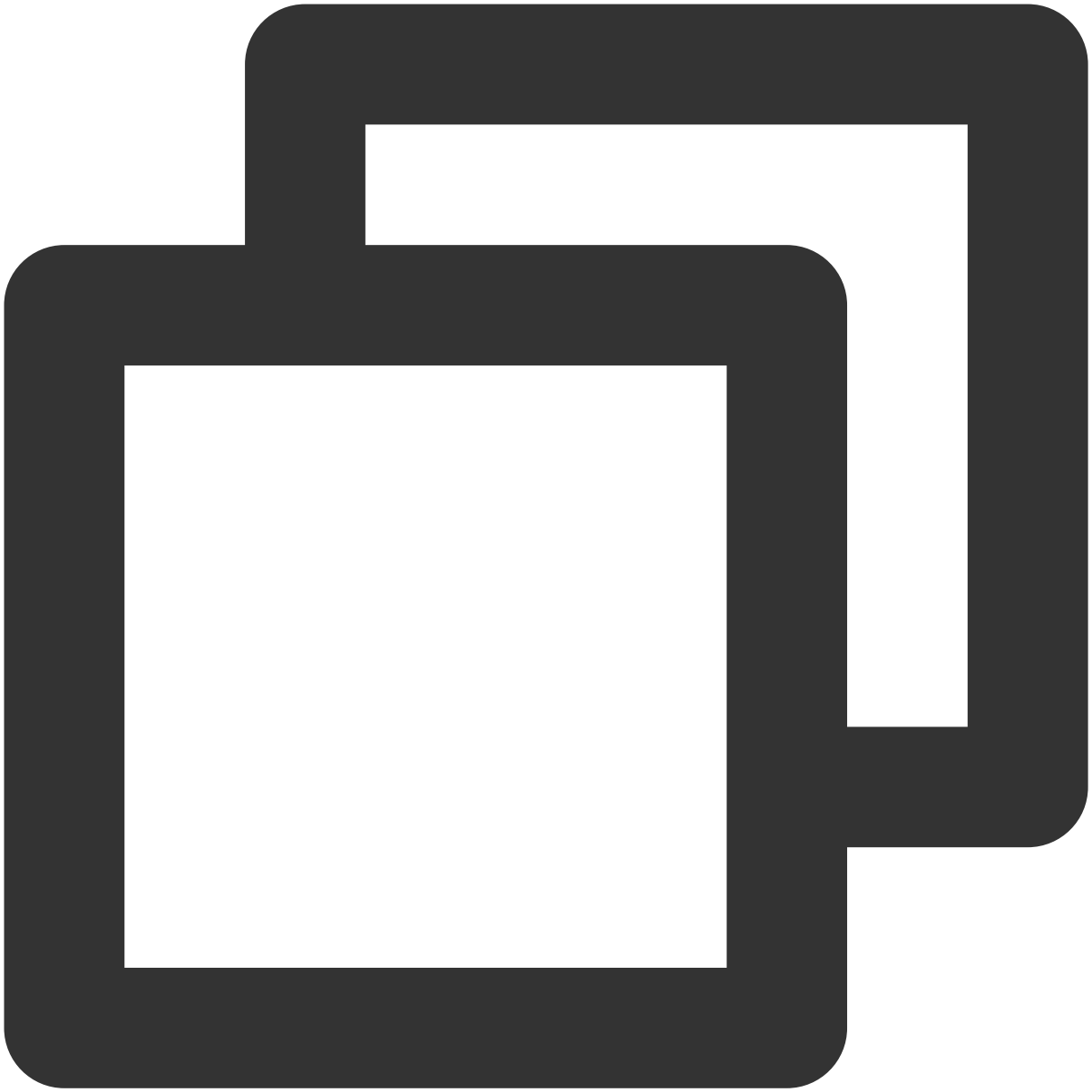

```
{
  "Owner_Account": "leckie", // User ID of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, or Community (require
  "Name": "TestGroup", // Group name (required)
  "CreateTime": 1448357837 // Group creation time (optional). If this field is not
}
```

Containing only the topic-enabled parameter format

Import a group and specify its type as a topic-enabled community group.

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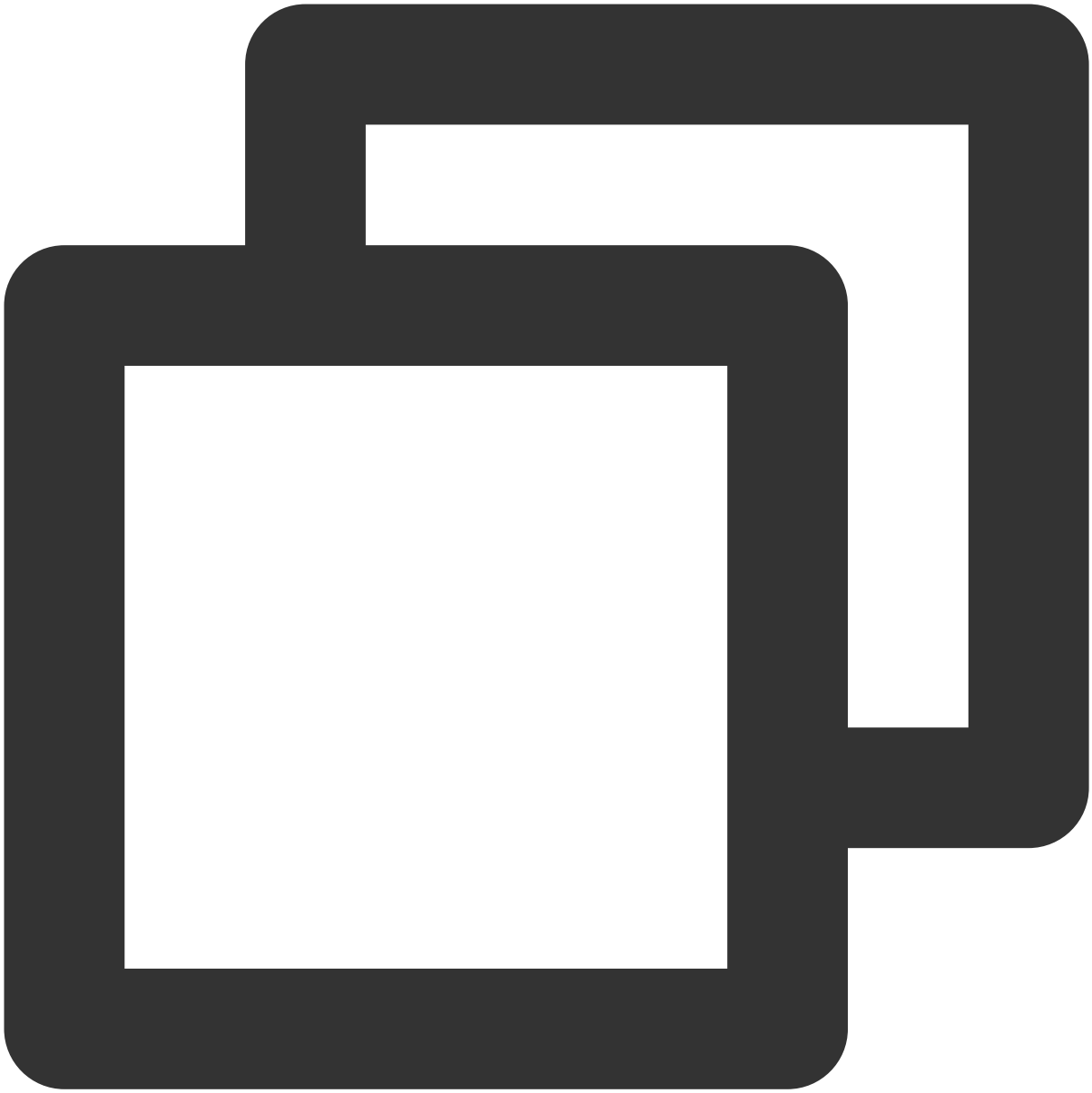

```
{
  "Type": "Community", // Group type (required)
  "Name": "test_import_group",  // Group name (required)
  "SupportTopic": 1// Whether the topic option is supported. Valid values: `1`: yes
}
```

Specifying other optional fields

You can specify optional fields such as `Introduction` and `Notice`. The request format is the same as that of a group creation request.

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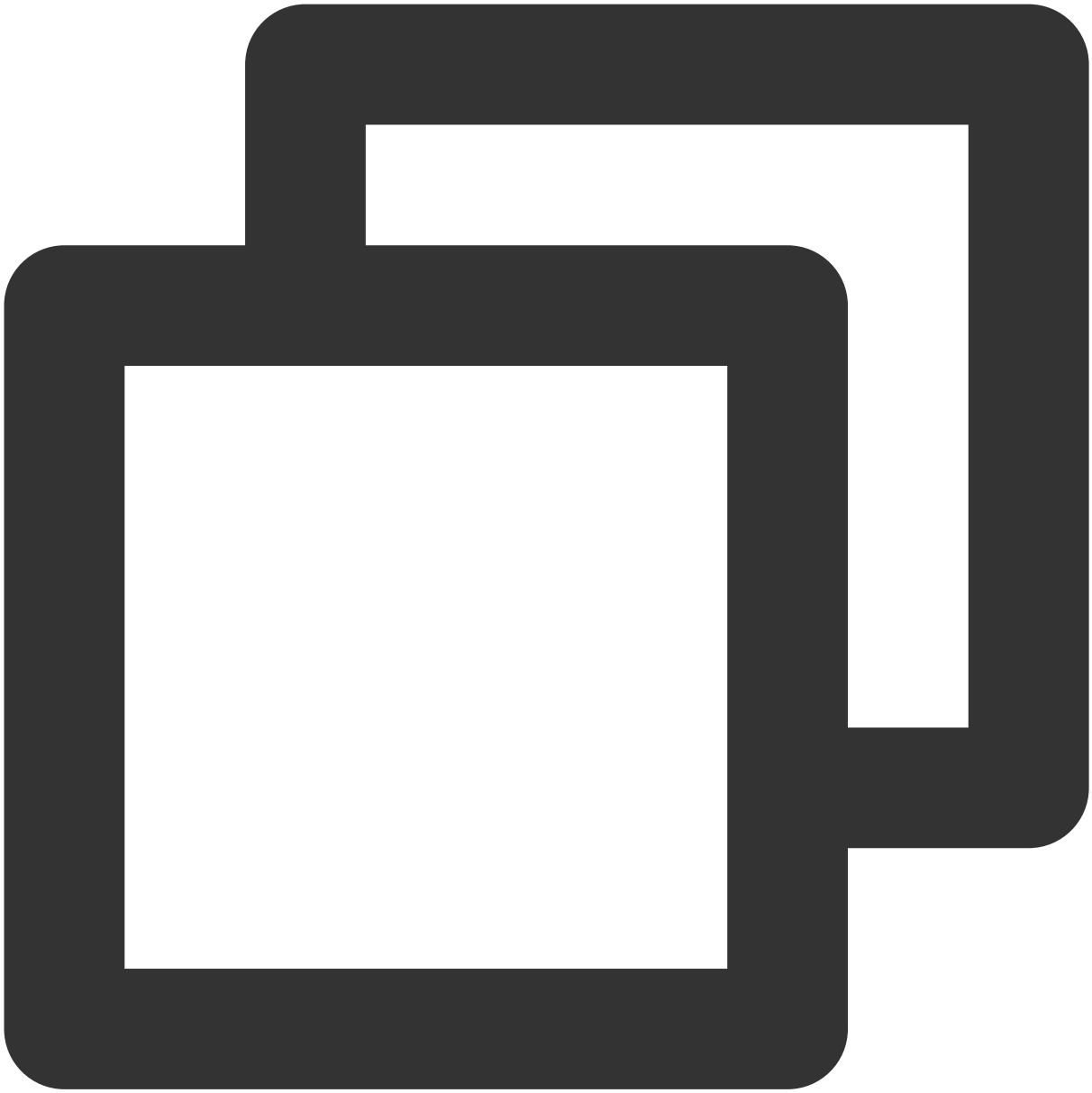

```
{
  "Owner_Account": "leckie", // User ID of the group owner (optional)
  "Type": "Public", // Group type: Private, Public, ChatRoom, or Community (require
  "GroupId":"MyFirstGroup", // User-defined group ID for external display (optional
  "Name": "TestGroup", // Group name (required)
  "Introduction": "This is group Introduction", // Group introduction (optional)
  "Notification": "This is group Notification", // Group notice (optional)
  "FaceUrl": "http://this.is.face.url",
  "MaxMemberCount": 500, // Maximum number of group members (optional)
  "ApplyJoinOption": "FreeAccess", // Method for handling requests to join the grou
  "CreateTime": 1448357837, // Group creation time (optional). If this field is not
```

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```
    "AppDefinedData": [ // Group custom field (optional)
        {
            "Key": "GroupTestData1", // Key of the app custom field
            "Value": "xxxxx" // Value of the custom field
        },
        {
            "Key": " GroupTestData2",
            "Value": "abc\\u0000\\u0001" // The custom field supports binary data.
        }
    ]
}
```

Request fields

Field	Type	Required	Description
Owner_Account	String	Optional	Group owner ID, which will be automatically added to group members. If this field is not specified, the group will have no group owner.
Type	String	Required	Group type, which can be Public, Private (Work), ChatRoom, or Community.
GroupId	String	Optional	To simplify group IDs and make them easy to remember, Tencent Cloud allows apps to customize group IDs during group creation through RESTful APIs. For details, see Group Systems.
Name	String	Required	Group name, whose maximum length is 30 bytes.
Introduction	String	Optional	Group introduction, whose maximum length is 240 bytes.
Notification	String	Optional	Group notice, whose maximum length is 300 bytes.
FaceUrl	String	Optional	URL of the group profile photo, whose maximum length is 100 bytes.
MaxMemberCount	Integer	Optional	Maximum number of group members, which is 6,000 at the maximum. The default value is 2,000. Currently, a community group supports up to 100,000 group members.
ApplyJoinOption	String	Optional	Method for handling requests to join the group. Valid values: `FreeAccess`, `NeedPermission` (default), and `DisableApply`. This field is not supported by community groups.
AppDefinedData	Array	Optional	Group custom field. By default, this field is unavailable and needs to be enabled before use. For details, see Group

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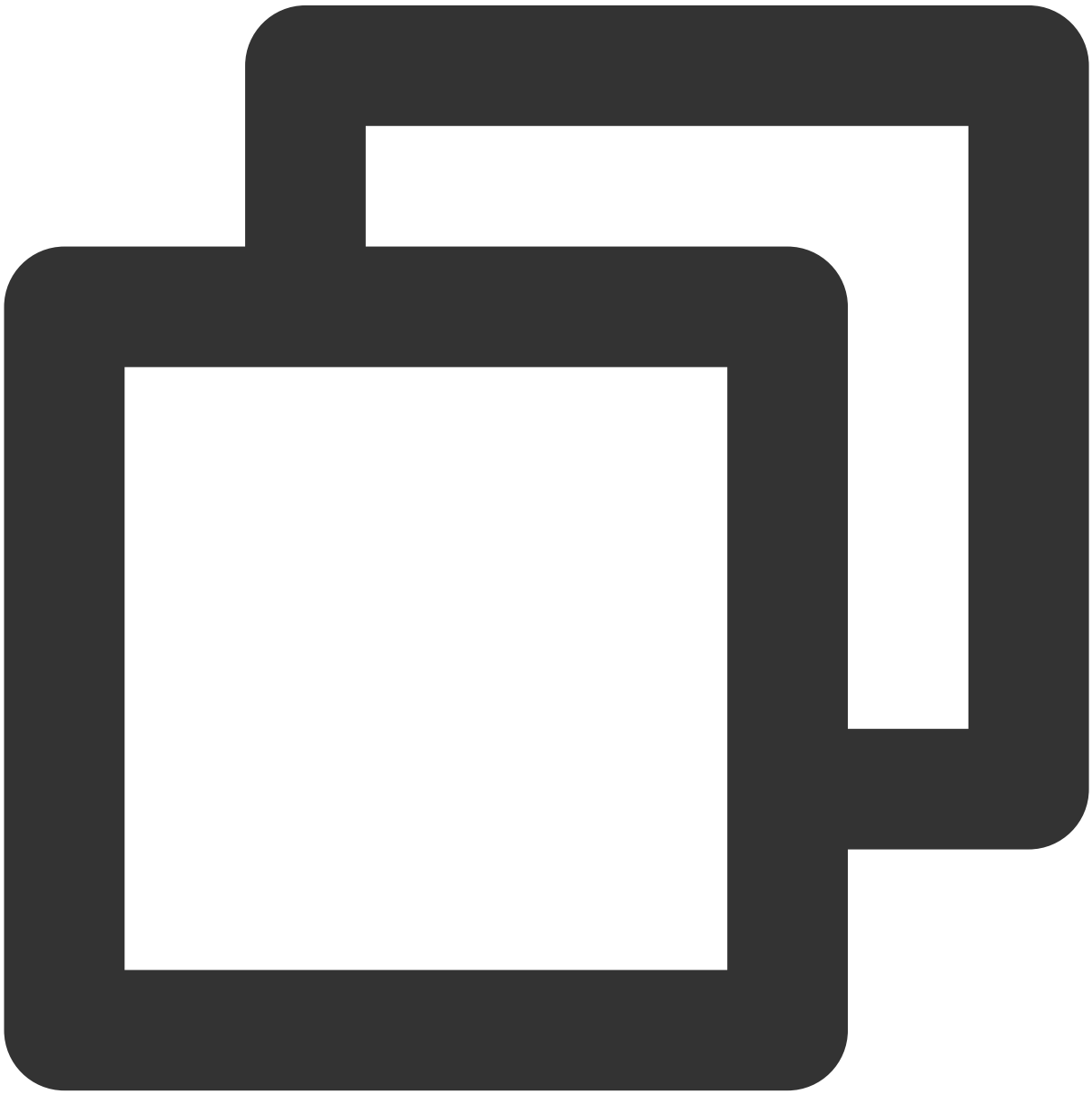
			Systems.
CreateTime	Integer	Optional	Group creation time
SupportTopic	Integer	No	Whether the topic option is supported. This field is valid only for communities.

Sample response

Basic format



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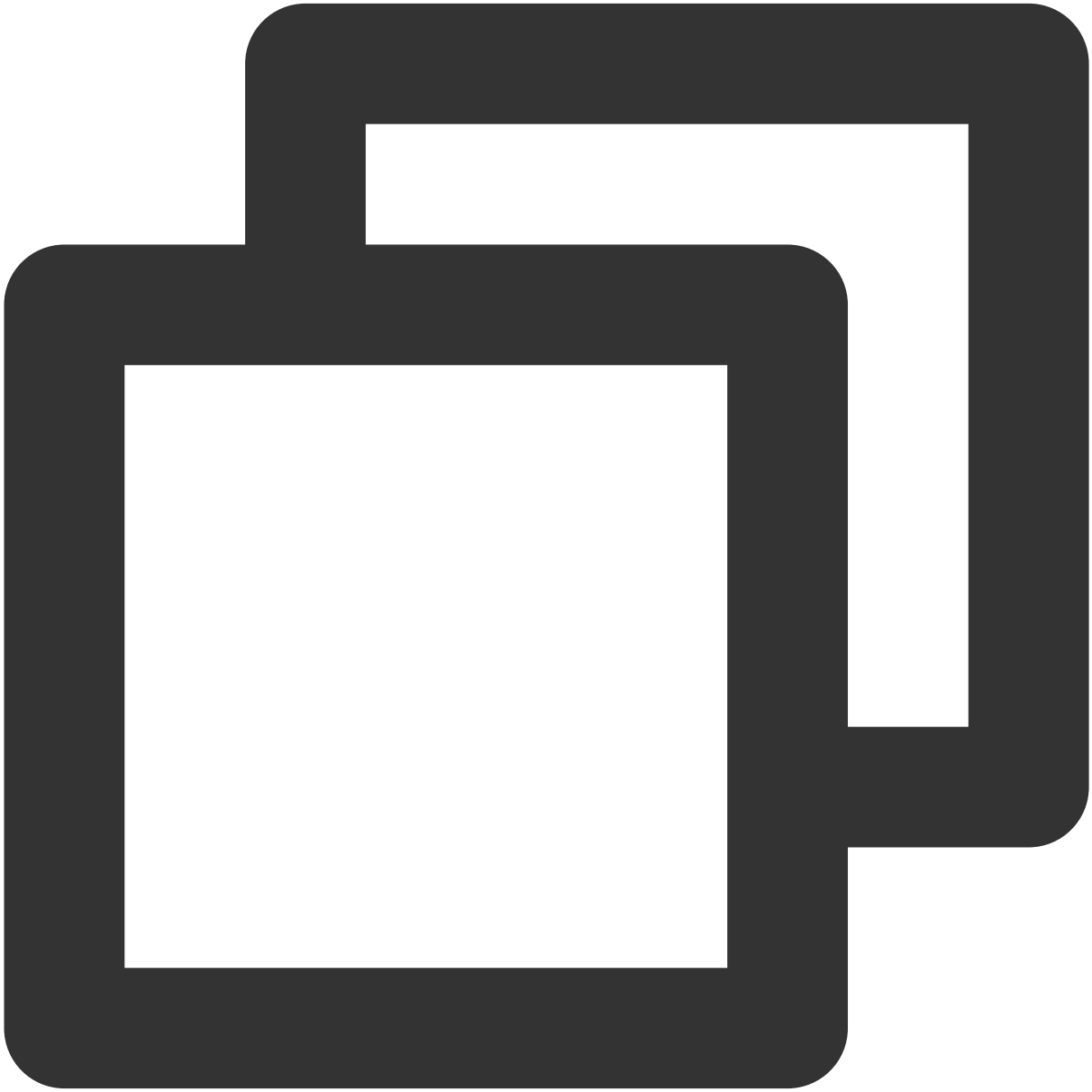
```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "GroupId": "@TGS#2J4SZEAEL"
}
```

Containing only the topic-enabled parameter format



```
{
  "ActionStatus": "OK",
```

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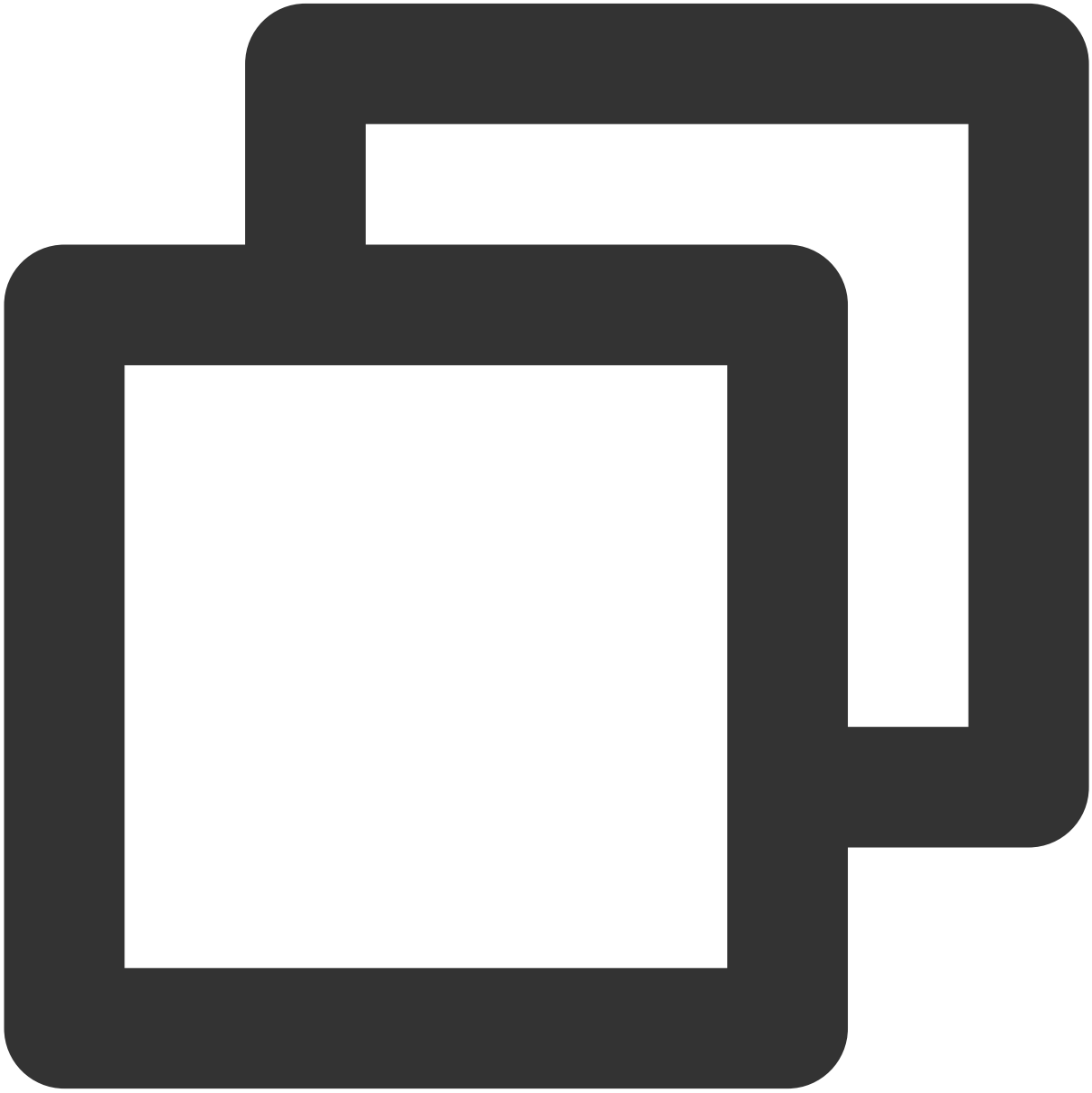
```
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupId": "@TGS#_@TGS#c4YHCIIM62CX"
}
```

Specifying other optional fields



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupId": "MyFirstGroup"
```

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```
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupId	String	Group ID after successful creation, which is assigned by the Chat backend or specified by users.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.
The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a member in a public group tries to remove other users from the group (only the app admin can perform this operation).
10021	The group ID is already in use. Specify another group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

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Setting the unread message count of a member (v4/group_open_http_svc/set_unread_msg_num)

Importing group members (v4/group_open_http_svc/import_group_member)

Disbanding a group (v4/group_open_http_svc/destroy_group)

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Group Member Management
Adding Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API allows the app administrator to add new members to a group.

API Calling Description

Applicable group types

Group Type	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the built-in group types of Tencent Cloud Chat. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not support this API. If you use this API on an audio-video group, error 10007 will be returned. The only way for users to join this type of group is to apply to join.

Sample request URL

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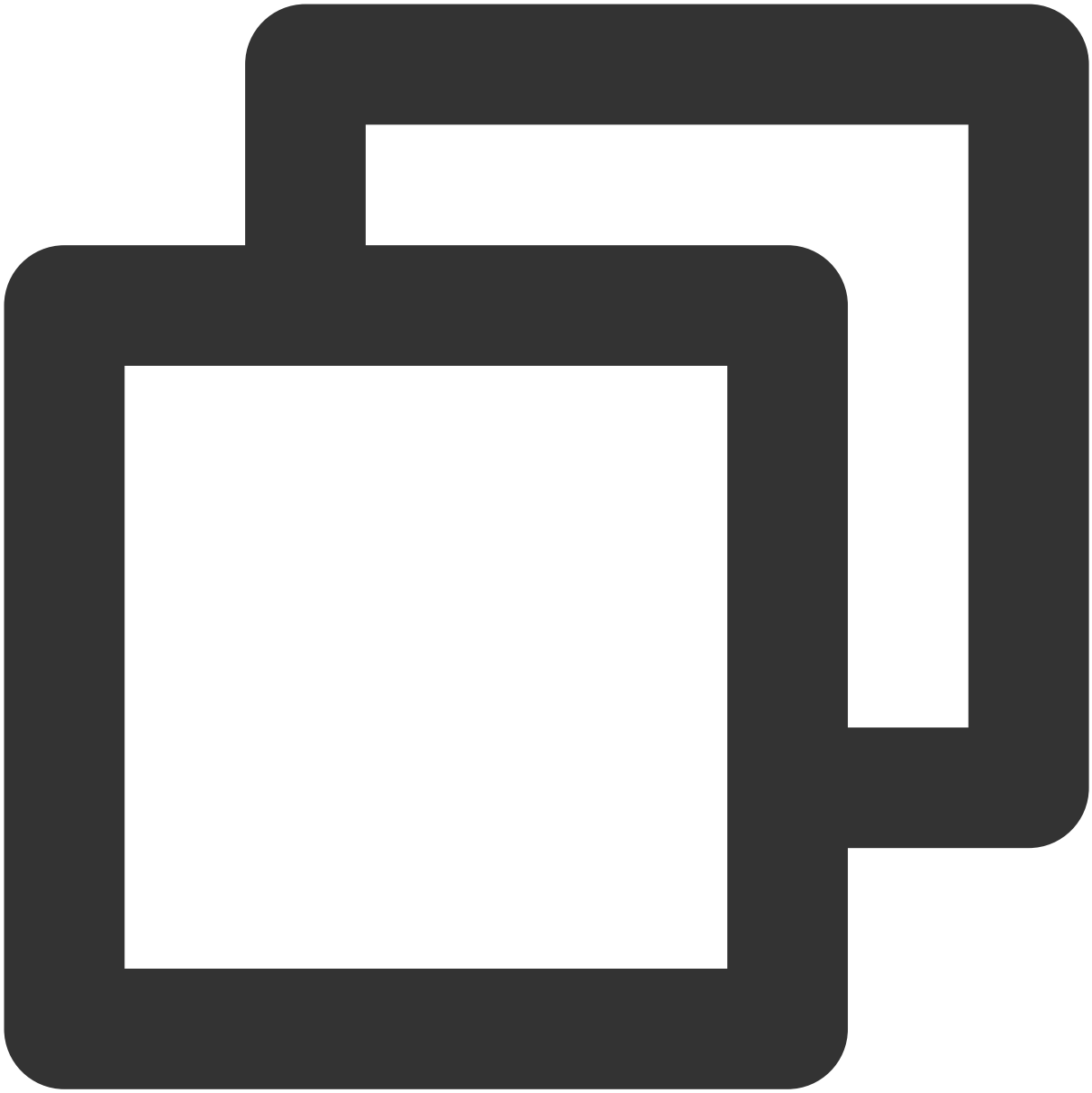

```
https://xxxxxx/v4/group_open_http_svc/add_group_member?sdkappid=88888888&identifier
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/add_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Used to invite users to a group. A single request supports adding up to 300 members. By default, the backend delivers group system notifications to all group members, except for private groups (or work groups in the new version) that have not been activated.

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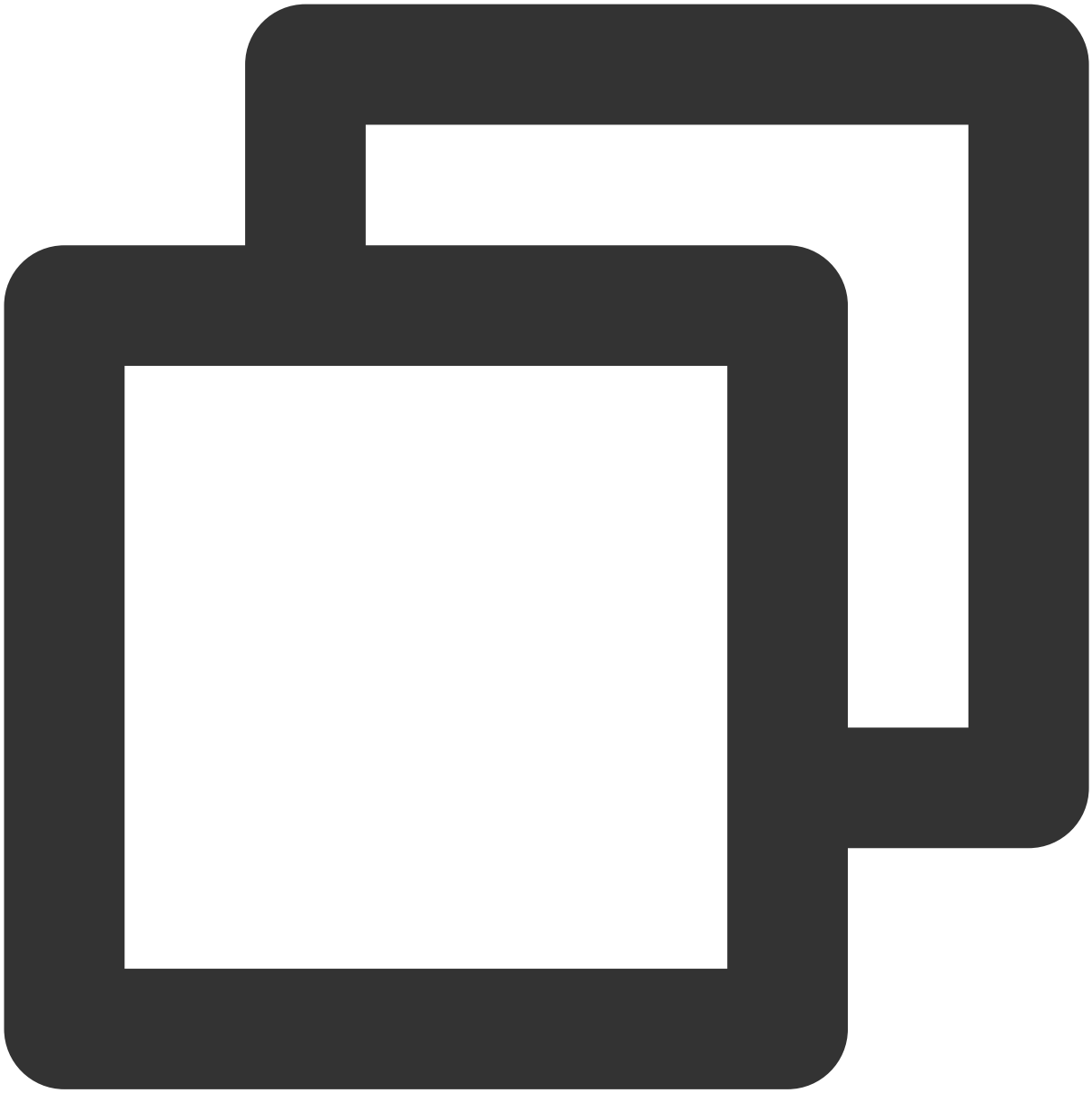

```
{
  "GroupId": "@TGS#2J4SZEAEL", // (Required) Target group
  "MemberList": [ // Up to 300 members can be added at a time.
  {
      "Member_Account": "tommy" // The ID of the member to be added (required)
  },
  {
      "Member_Account": "jared"
  }]
}
```

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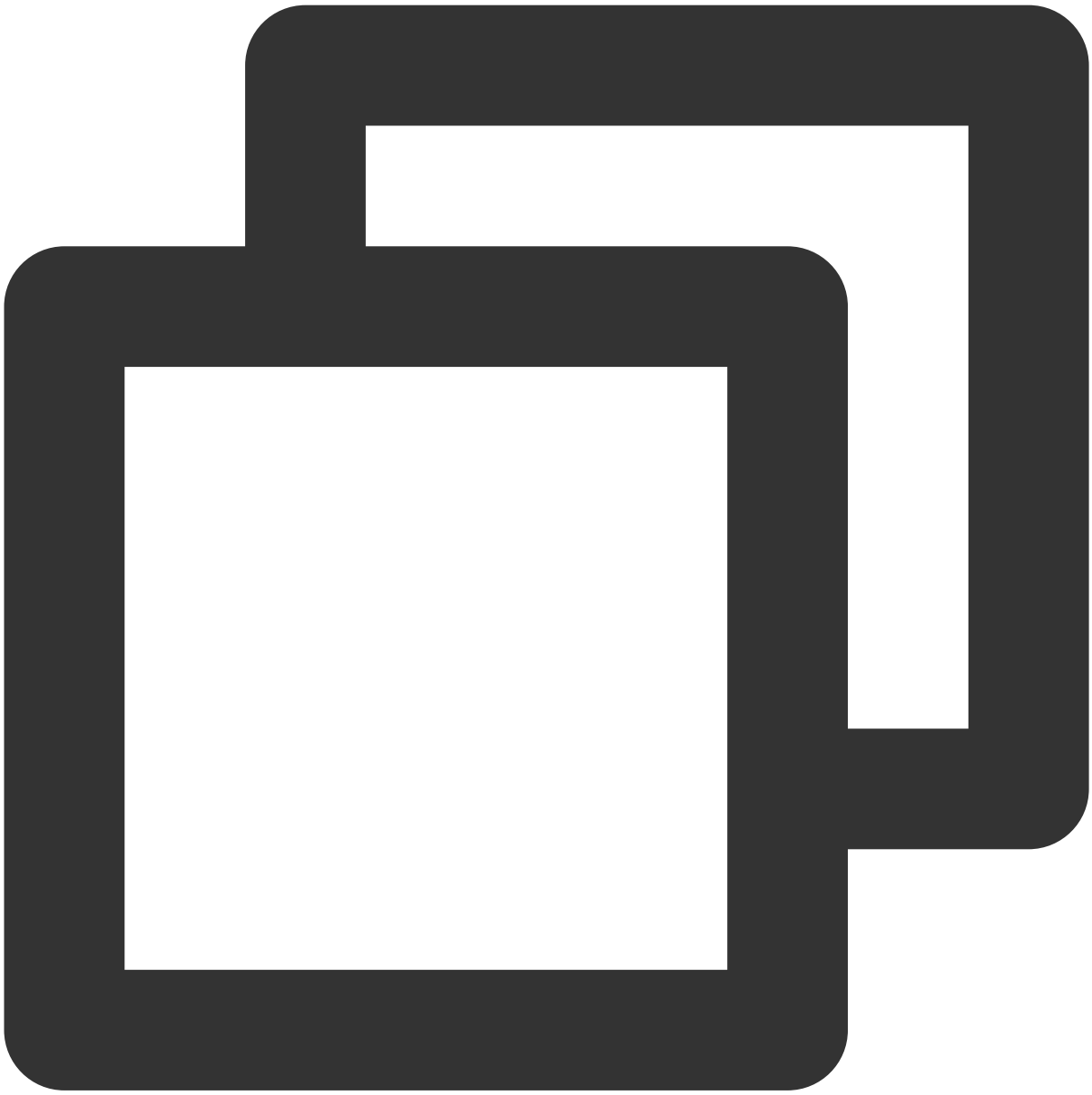
Adding members silently

When `Silence` is set to `1`, the system does not notify anyone after successfully adding members.



```
{
  "GroupId": "@TGS#2J4SZEAEL", // (Required) Target group
  "Silence": 1, // Whether to add members silently (optional)
  "MemberList": [ // Up to 300 members can be added at a time.
  {
      "Member_Account": "tommy" // The ID of the member to be added (required)
  },
  {
```

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```
        "Member_Account": "jared"
    }]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the target group
Silence	Integer	Yes	Whether to add members silently. `0` : No. `1` : Yes. The default value is `0` .
MemberList	Array	Yes	A list of the members to be added
Member_Account	String	Yes	The UserID of the member to be added

Sample response

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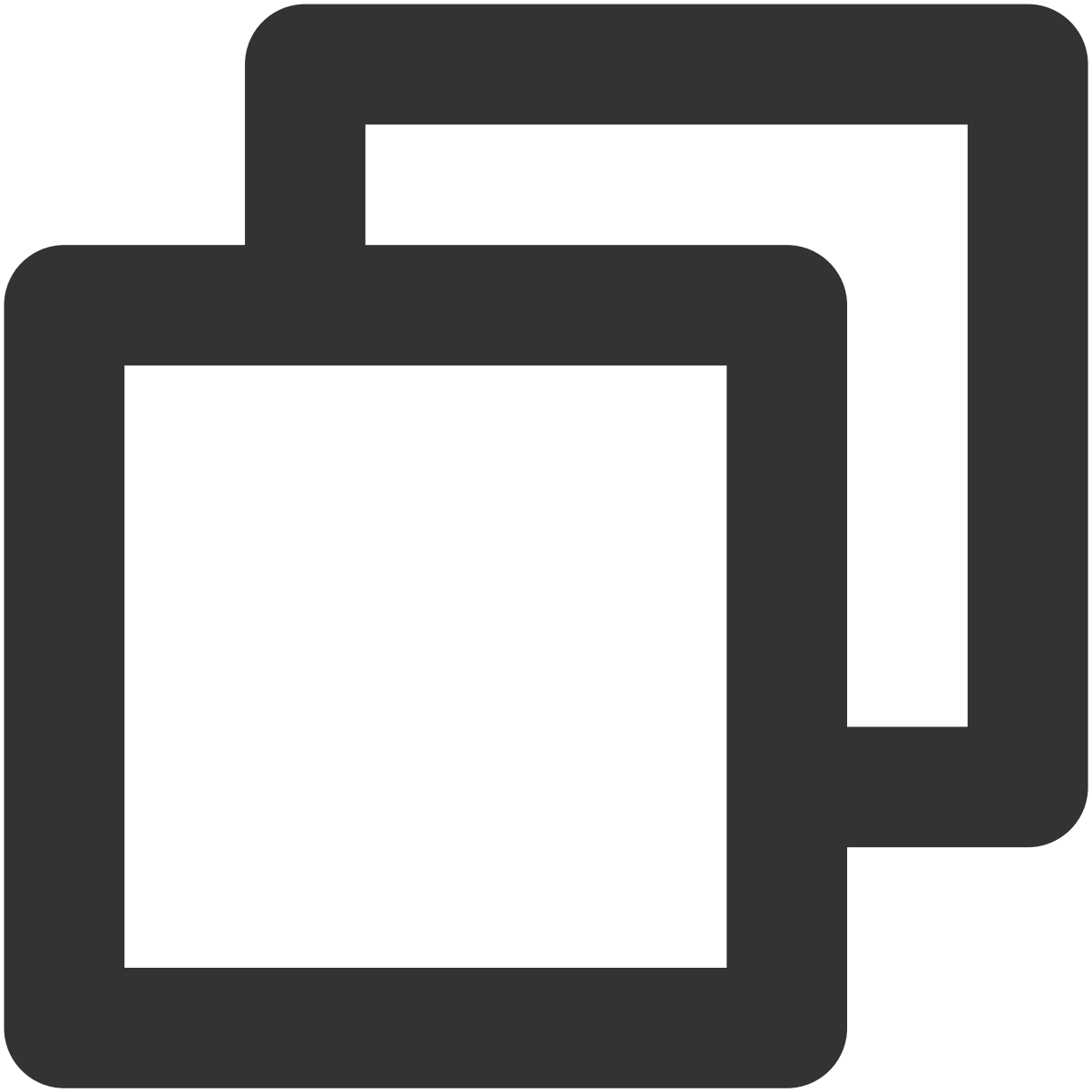

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MemberList": [
    {
        "Member_Account": "tommy",
        "Result": 1 // The result of adding the member. 0: failed. 1: successful.
    },
    {
        "Member_Account": "jared",
```

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```
            "Result": 1
        }]
    }
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MemberList	Array	The result of adding members
Member_Account	String	The UserID of the member
Result	Integer	The result of adding the member. `0` : Failed. `1` : Successful. `2` : Already in the group. `3` : Pending approval by the invitee or admin.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10005	The number of member accounts in the request packet exceeds 300.
10007	No operation permissions. In this case, check whether the group type supports user invitation. For example, AVChatRoom and BChatRoom groups do not allow anyone to invite others to the groups.
10014	The users in the request cannot be added to the group because the group is already full. In this case, try deleting some `Member_Account` in the request or change the value of the `MaxMemberNum`

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	field in the basic group information. For information, see the **Basic group information** section in Group basic information.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use a correct group ID.
10016	The developer backend has rejected this operation through a webhook.
10019	The UserID does not exist. Make sure all the accounts specified in `Member_Account` are correct.
10026	The command word of the `SDKAppID` request is disabled. Contact customer service.
10037	The number of groups that the invited user has joined exceeds the limit. In this case, check and delete the `Member_Account` that has joined excessive groups, or purchase an upgrade based on the your need. For information about Chat plans, see Pricing.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Deleting Group Members (v4/group_open_http_svc/delete_group_member)

Possible Webhooks

Before Inviting a User to a Group
After a User Joins a Group
After a Group Is Full

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Deleting Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by app admins to delete group members.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not support deleting group members. If you attempt to delete members of an audio-video group, error 10004 will be returned. To achieve the effect of deleting group members, admins can batch mute and unmute group members.

Sample request URL

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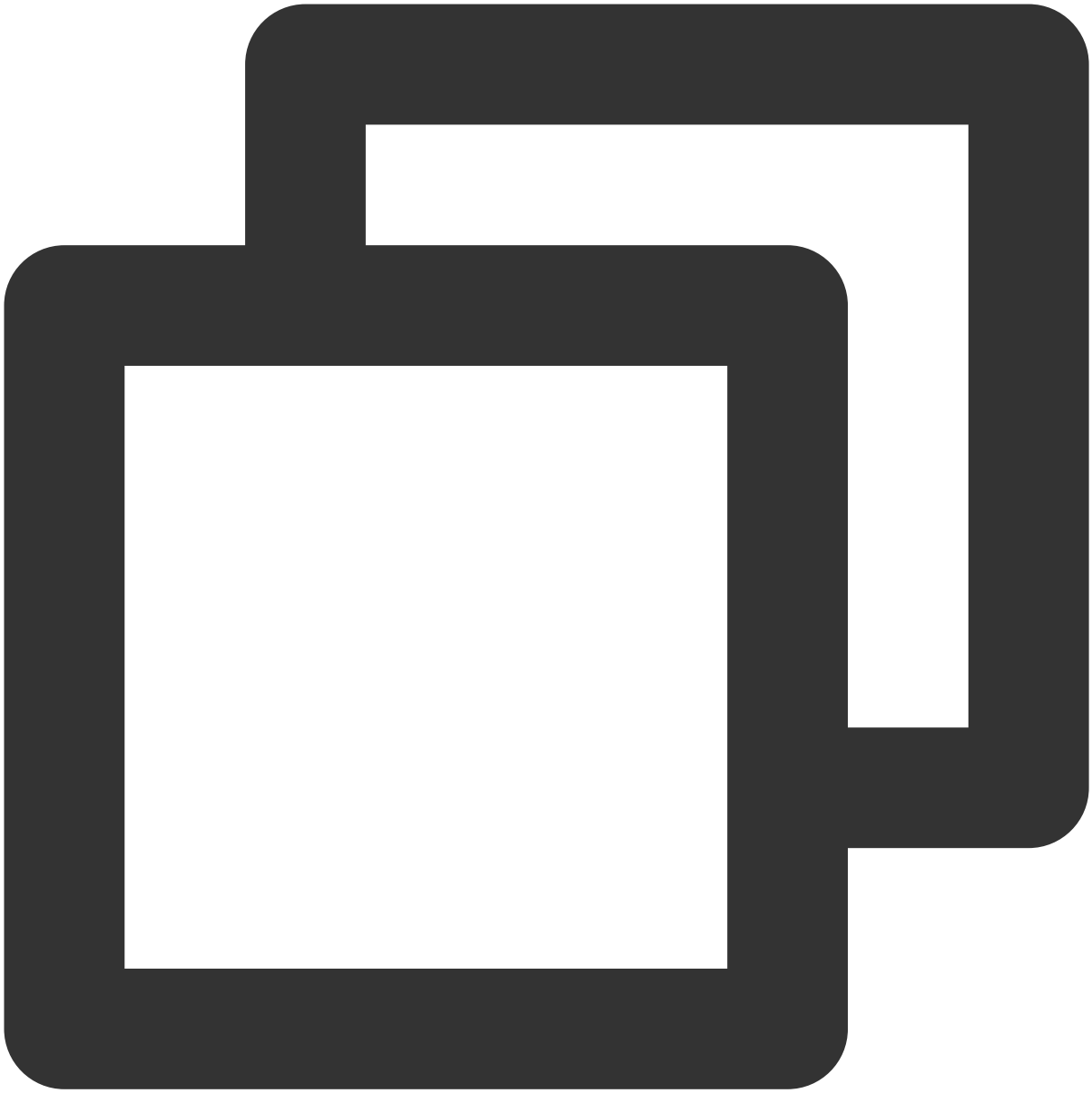

```
https://xxxxxx/v4/group_open_http_svc/delete_group_member?sdkappid=88888888&identif
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/delete_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Used to delete group members. A single request supports deleting up to 100 group members. By default, the backend sends system notifications on the group member deletion to all group members, except for Private groups (same as Work groups in the new version) that have not been activated.

Even if a user to be deleted is not in the group, the API will still return success.

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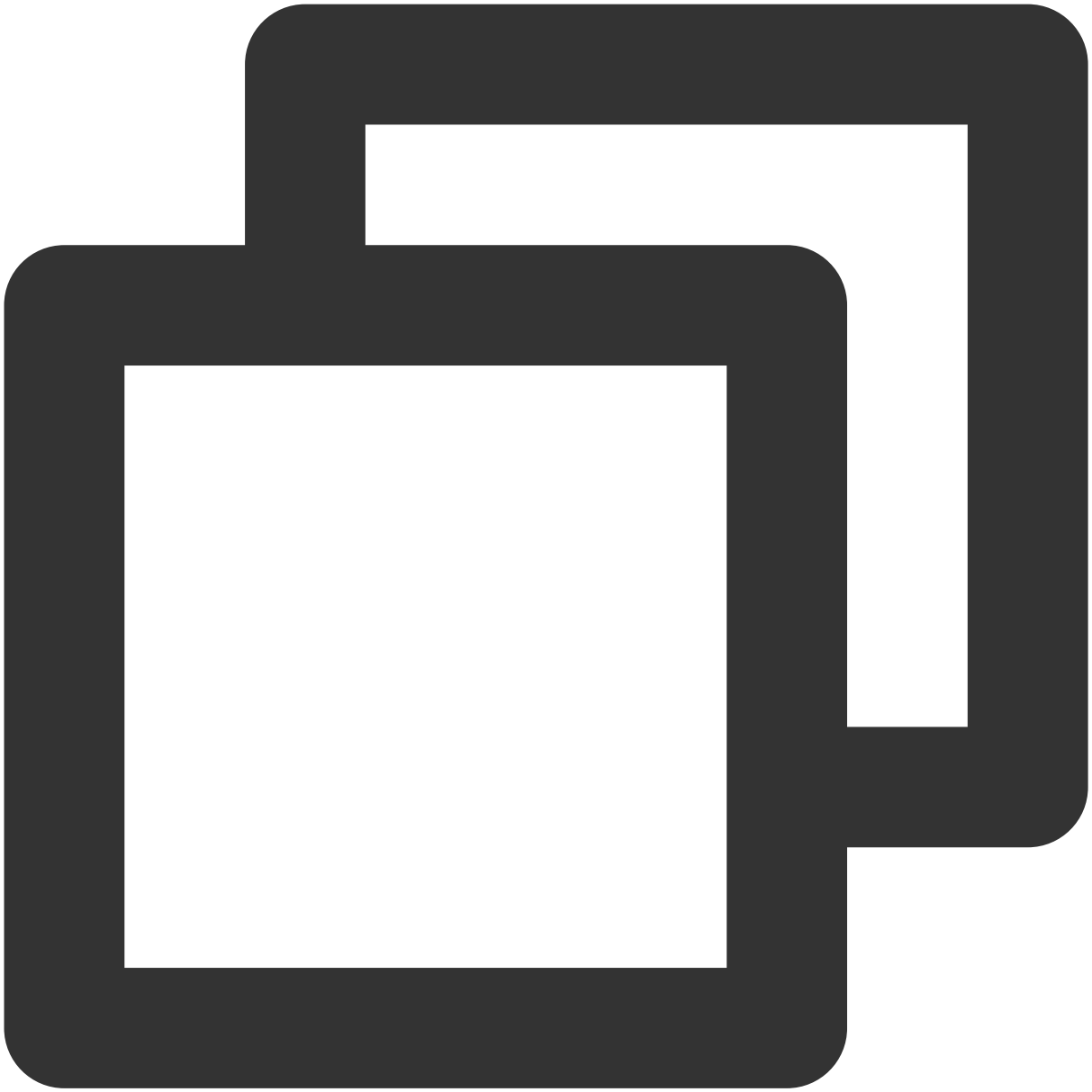

```
{
  "GroupId": "@TGS#2J4SZEAEL", // Target group (required)
  "MemberToDel_Account": [ // List of group members to be deleted. A maximum of 100
      "tommy",
      "jared"
  ]
}
```

Silent deletion

When `Silence` is set to `1`, the system will not notify anyone after successfully deleting a member.

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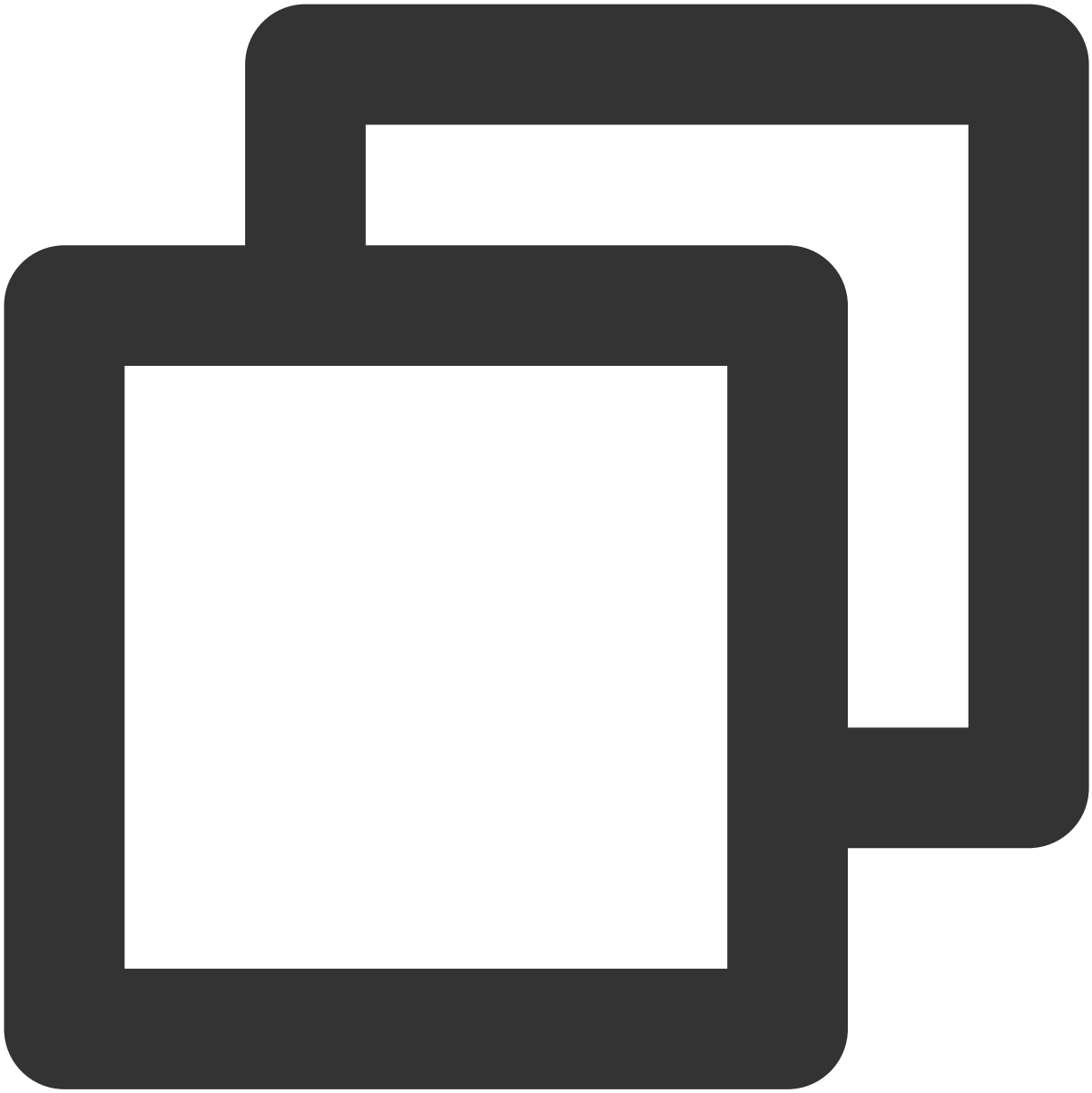

```
{
  "GroupId": "@TGS#2J4SZEAEL", // Target group (required)
  "Silence": 1, // Whether to delete members silently (optional)
  "MemberToDel_Account": [ // List of group members to be deleted. A maximum of 100
      "tommy",
      "jared"
  ]
}
```

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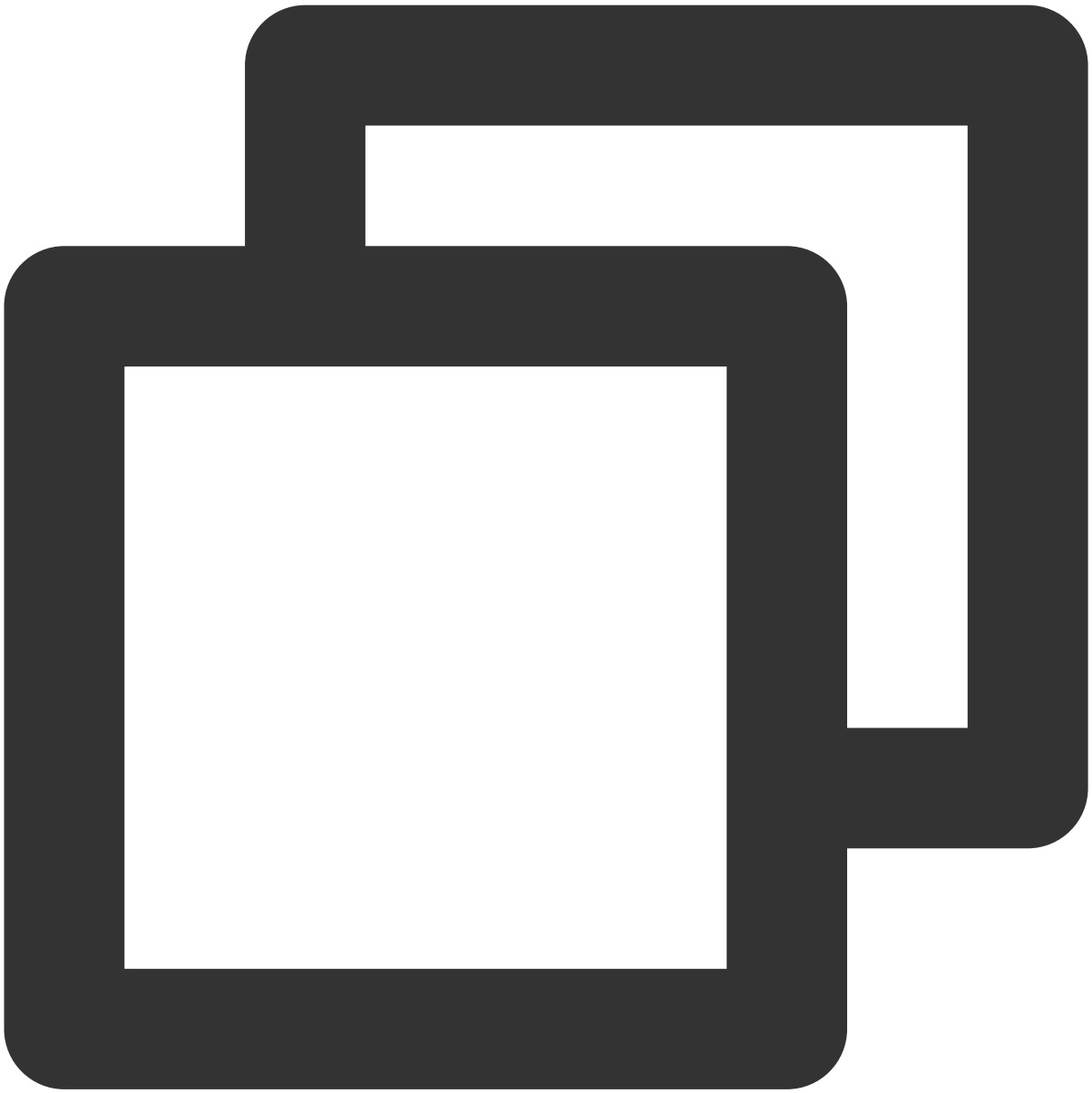
Specifying the reason for deletion

Specify the reason for deleting a user from a group, which will be reflected in the delivered notification.



```
{
  "GroupId": "@TGS#2J4SZEAEL", // Target group (required)
  "Reason": "kick reason", // Reason for deleting a user from a group (optional)
  "MemberToDel_Account": [ // List of group members to be deleted. A maximum of 100
      "tommy",
      "jared"
  ]
}
```

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Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the target group
Silence	Integer	No	Whether to adopt silent deletion. `0` : No (default value); `1` : Yes. Silent deletion means that no members in the group, except the deleted member, will be notified when a group member is deleted.
Reason	String	No	Reason for deleting a user from a group
MemberToDel_Account	Array	Yes	Group members to be deleted

Sample response

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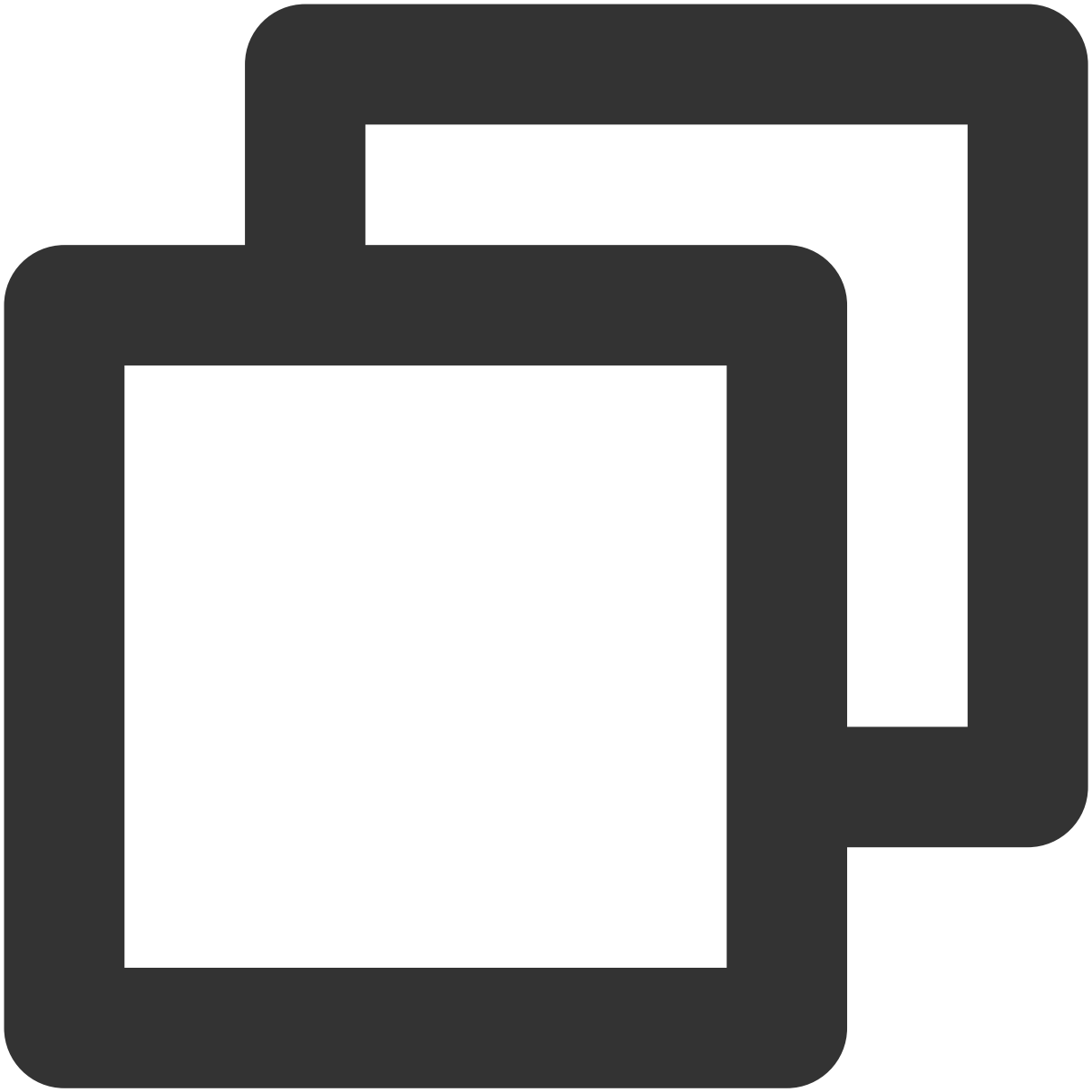

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Adding Group Members (v4/group_open_http_svc/add_group_member)

Possible Webhooks

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After a User Leaves a Group

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Banning Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used to ban a member of an audio-video group. A banned member cannot receive messages nor rejoin the audio-video group during the ban duration.

Note：

Audio-video group member banning is supported by SDK Enhanced edition v6.6 or later and web SDK v2.22.0 or later. To use it, you need to purchase the Premium edition, go to the console, choose **Group configuration** > **Group feature configuration**, and enable **Audio-video group member banning**.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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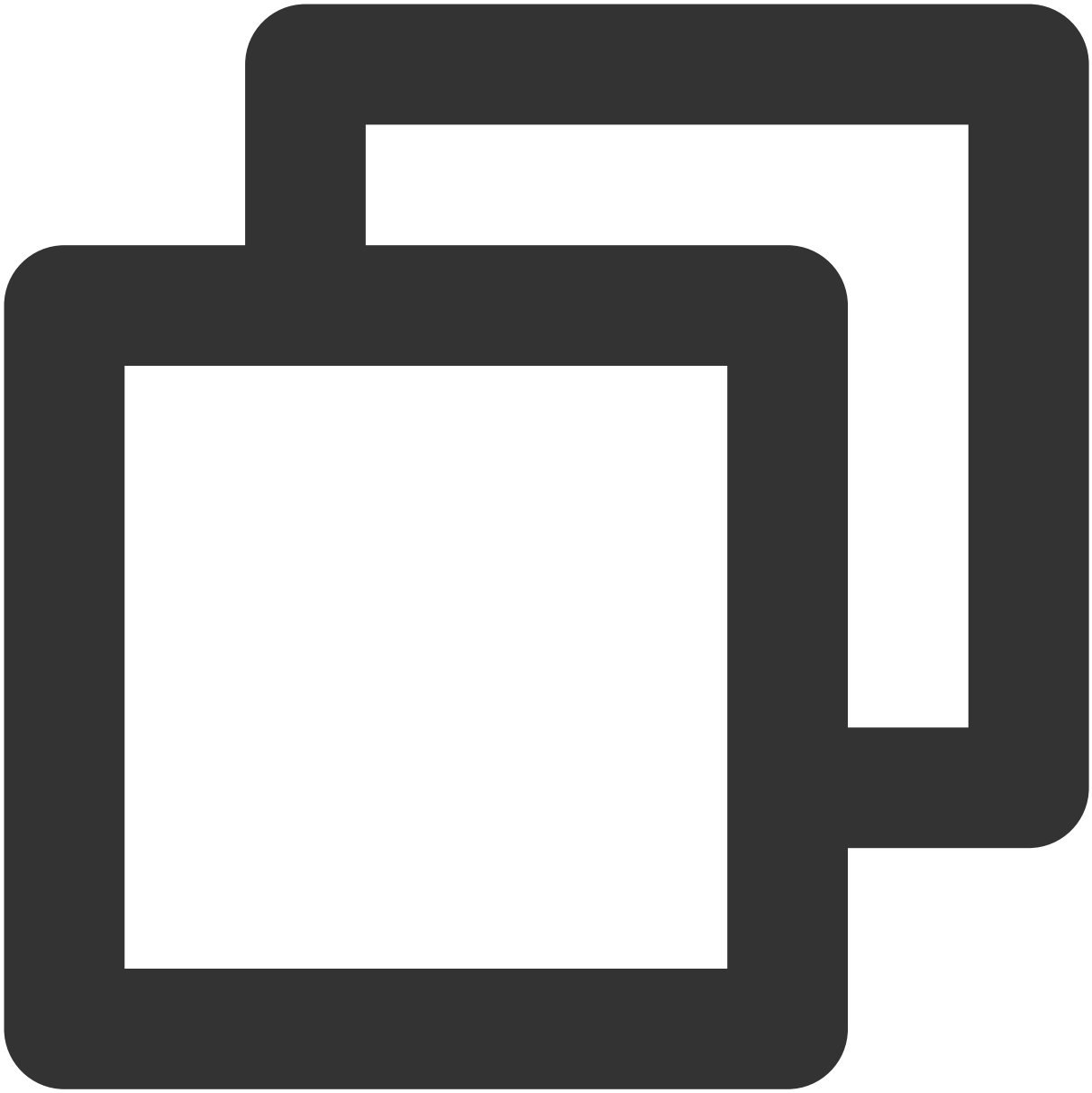

```
https://xxxxxx/v4/group_open_http_svc/ban_group_member?sdkappid=88888888&identifier
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/ban_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Banning members of an audio-vid eo group

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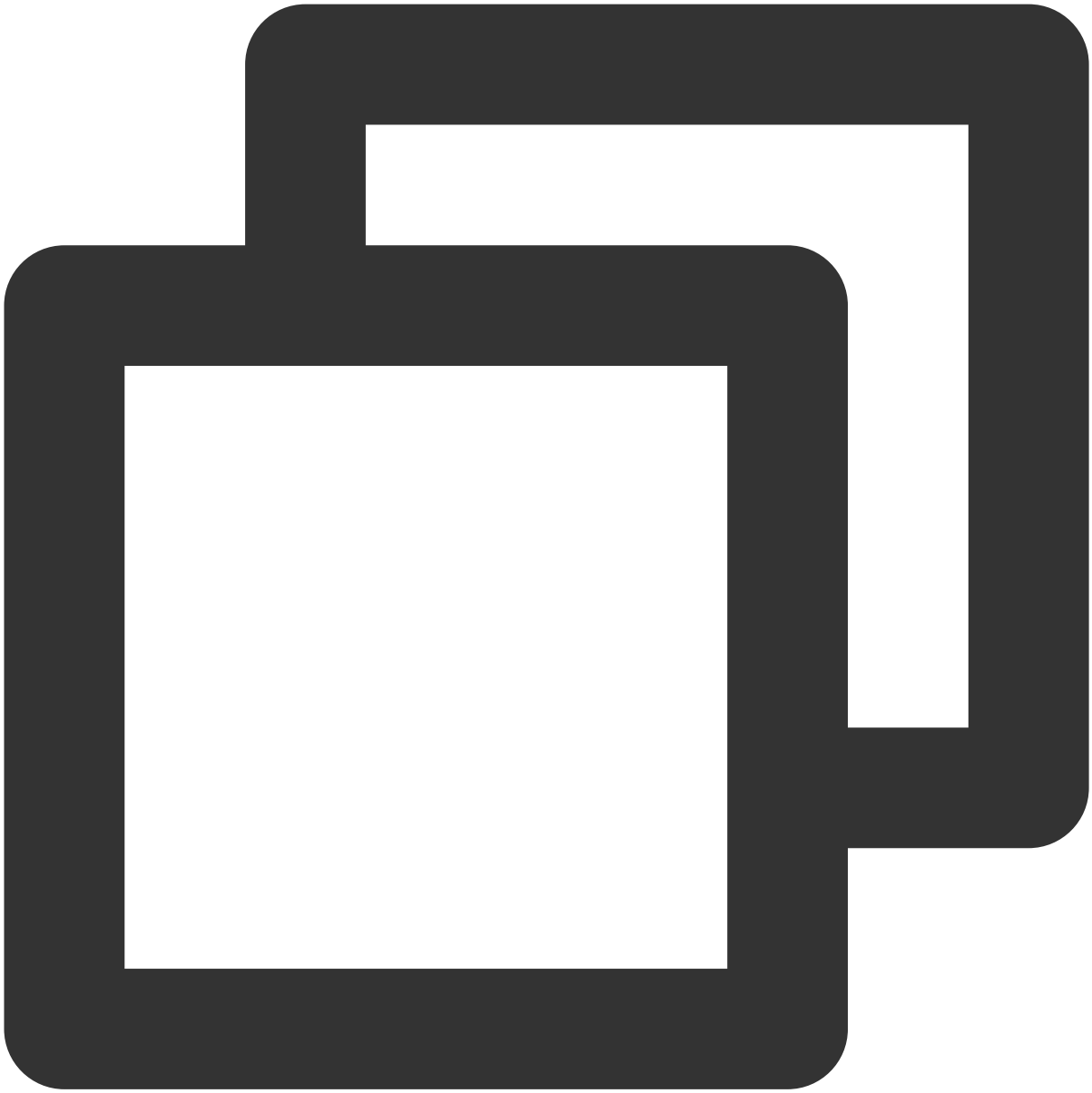

```
{
    "GroupId": "@TGS#aJRGC4MH6",  // ID of the group whose members are to be banned
    "Members_Account":[brennanli3", "brennanli12], // Account IDs of the members to
    "Duration":3600, // Ban duration, in seconds
    "Description": "you are banned because of irregularities" // Ban information, w
}
```

Request fields

Field	Type	Required	Description

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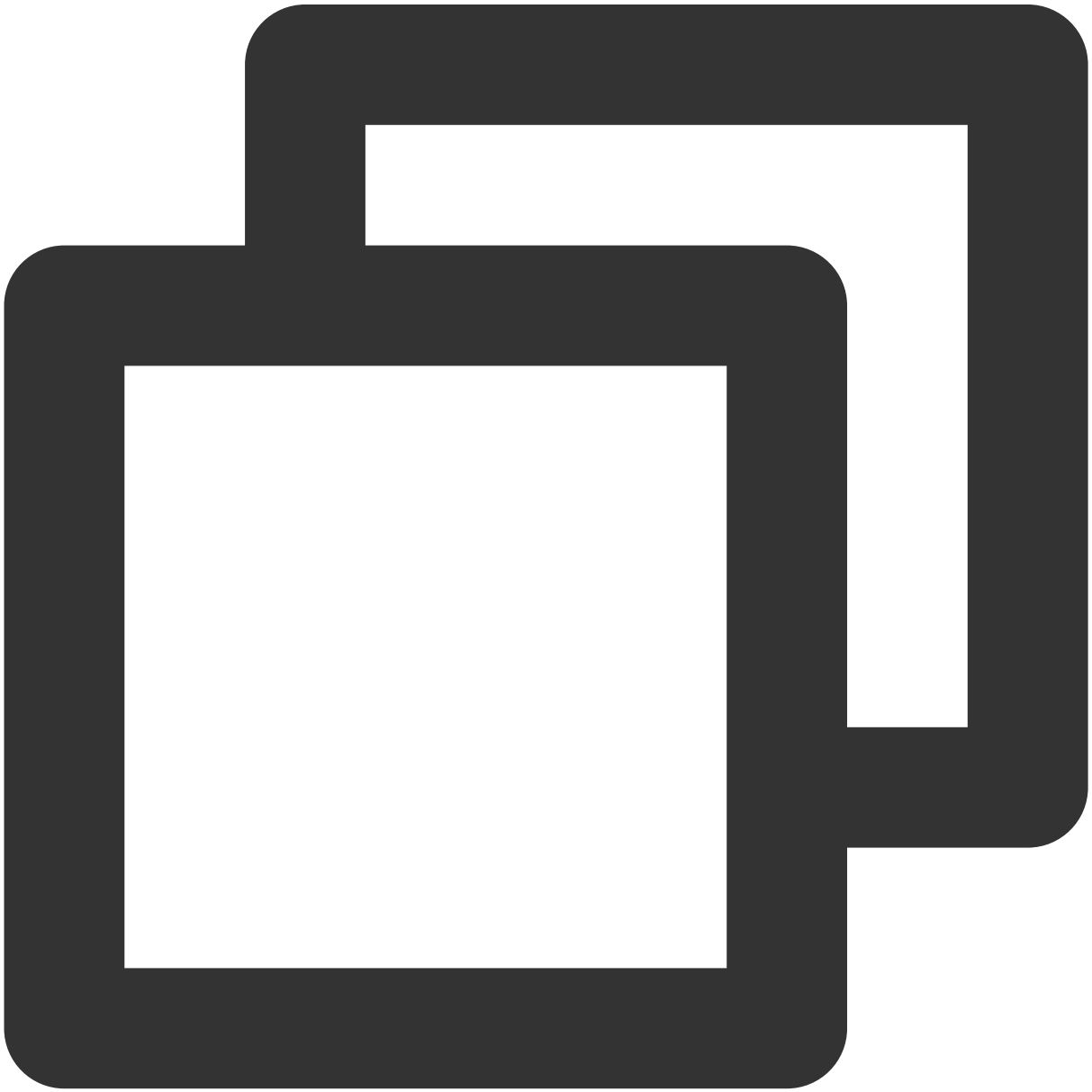
GroupId	String	Yes	ID of the group whose members are to be banned
Members_Account	Array	Yes	Account IDs of the members to be banned. Up to 20 account IDs are supported per request.
Duration	Integer	Yes	Ban duration, in seconds. It is a 32-bit unsigned integer.
Description	String	No	Ban information, which can be up to 1,000 bytes in length

Sample response



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```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10005	The number of members to be banned exceeds the upper limit of 20 members per request.
10007	Insufficient operation permissions. For example, the switch is not enabled in the console, or the operating account is not the root account.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Unbanning Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used to unban a member of an audio-video group. An unbanned member can rejoin the audio-video group to receive messages.

Note:

Audio-video group member unbanning is supported by SDK Enhanced edition v6.6 or later and web SDK v2.22.0 or later. To use it, you need to purchase the Premium edition, go to the console, choose **Feature configuration** > **Group configuration** > ** Group feature configuration**, and disable **Audio-video group member banning**.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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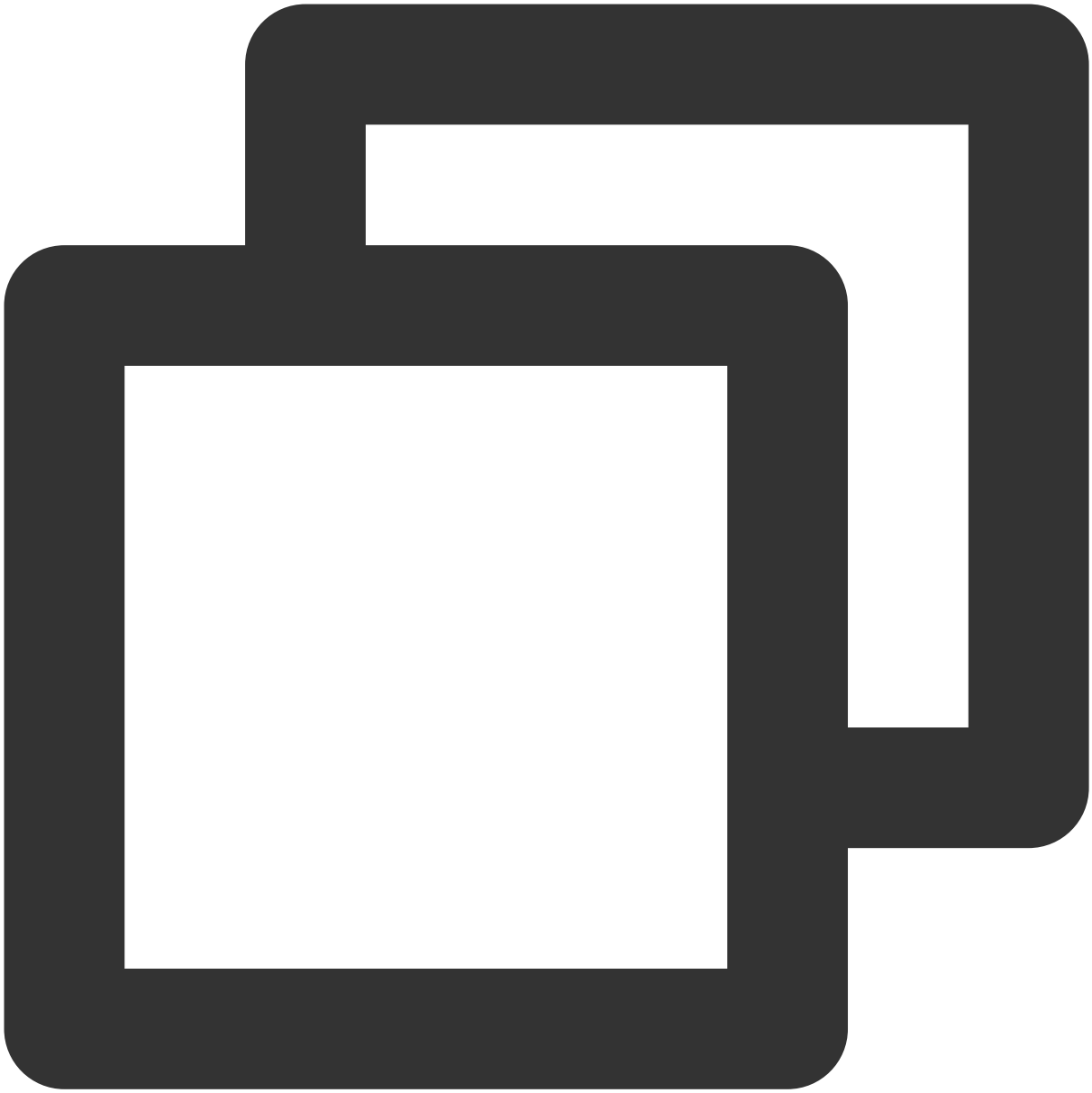

```
https://xxxxxx/v4/group_open_http_svc/unban_group_member?sdkappid=88888888&identifi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/unban_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Unbanning members of an audio-video group

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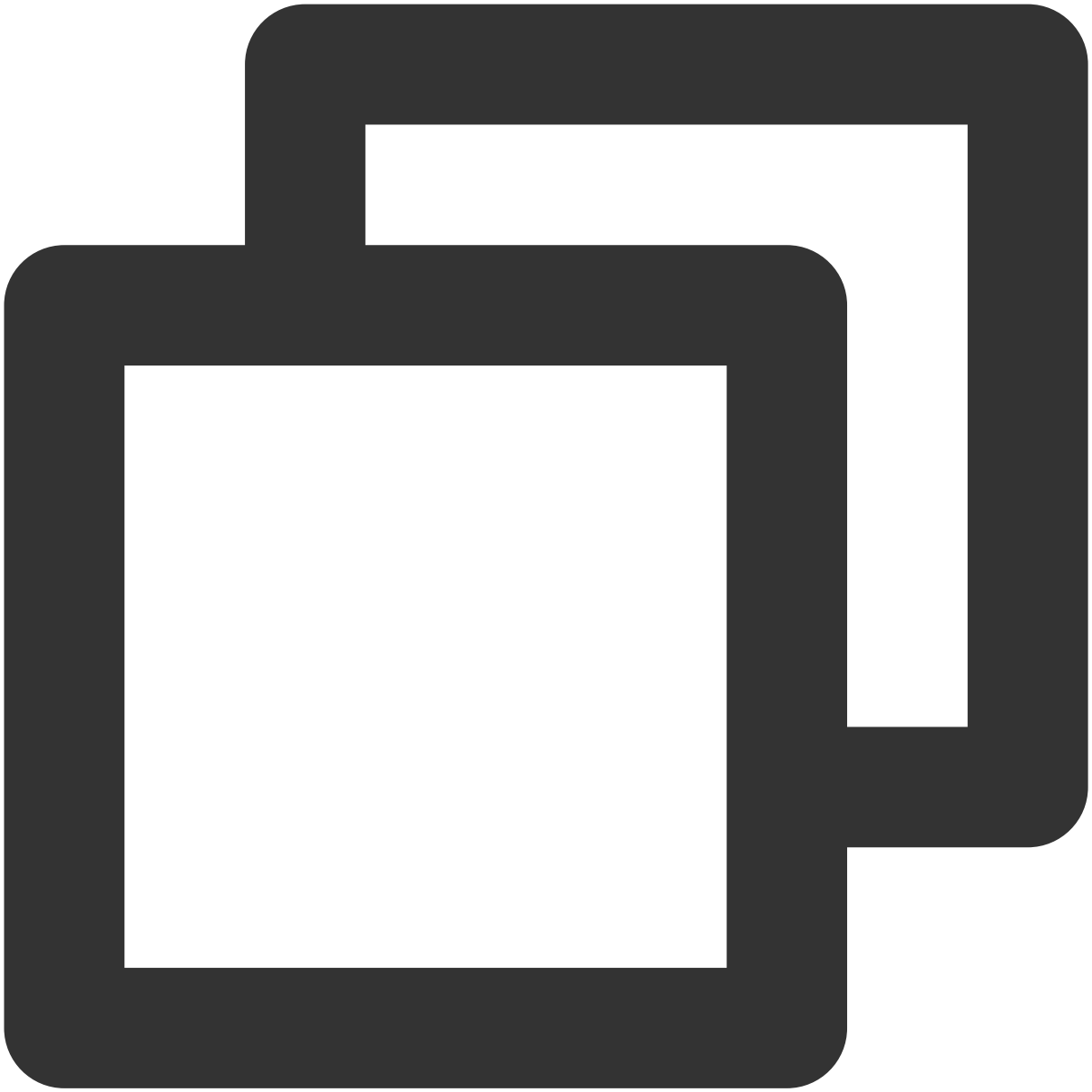

```
{
    "GroupId": "@TGS#aJRGC4MH6",  // ID of the group whose members are to be unbann
    "Members_Account":[brennanli3", "brennanli12], // Account IDs of the members to
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group whose members are to be unbanned

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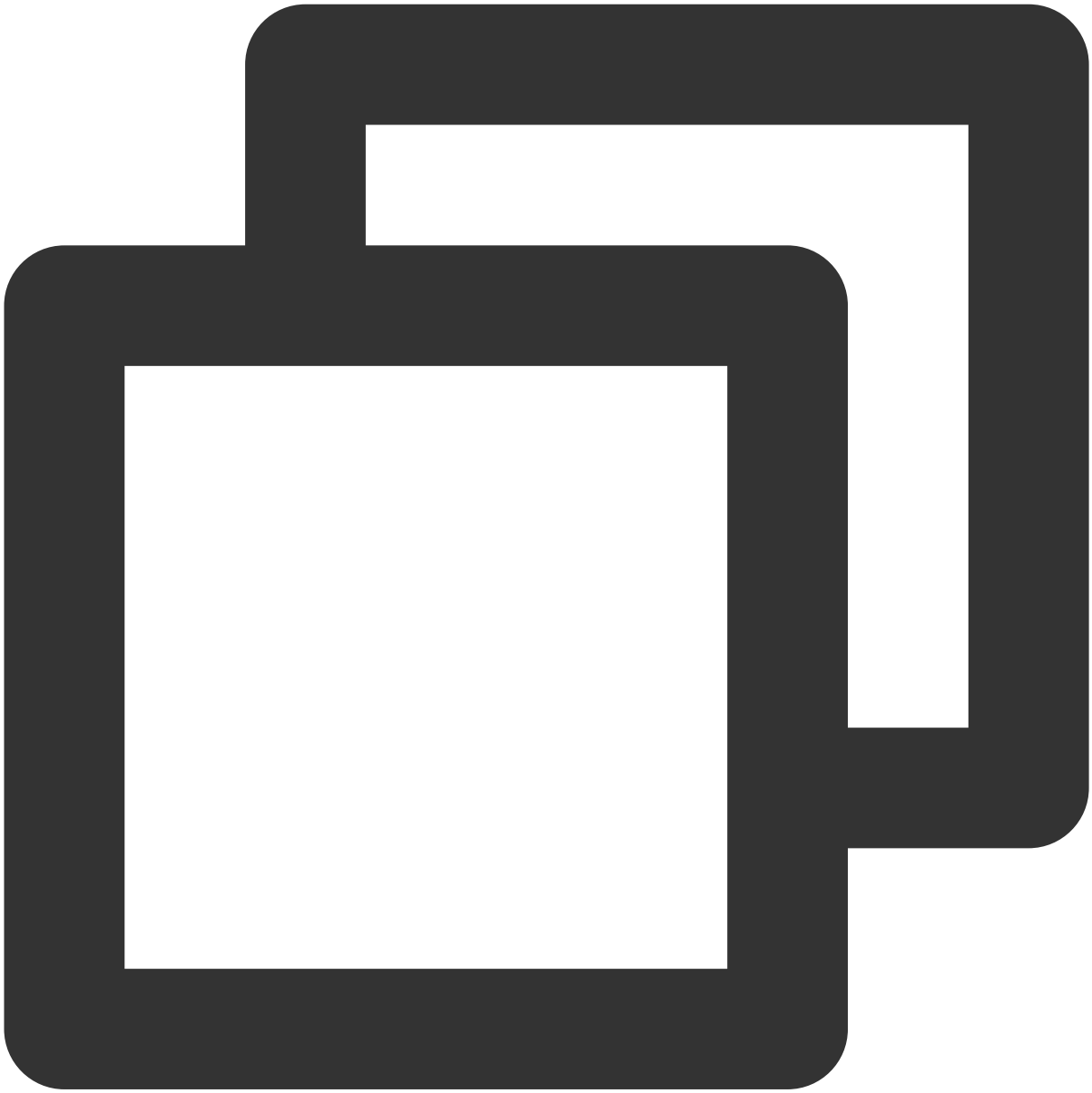
Members_Account	Array	Yes	Account IDs of the members to be unbanned. Up to 20 account IDs are supported per request.

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10005	The number of members to be unbanned exceeds the maximum limit of 20 members per request.
10007	Insufficient operation permissions. For example, the switch is not enabled in the console, or the operating account is not the root account.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Bulk Muting and Unmuting

Last updated：2024-07-16 11:15:59

Feature Overview

The app administrator can mute certain group members for a specific period of time.
The app administrator can unmute certain group members.
When muted users leave and then enter the group again, they remain muted.

API Calling Description

Applicable group types

Group Type	Support for This RESTful API
Private	No. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

Above are the built-in group types of the Chat service. For more information, see Group System.

Note

Private groups (i.e., work groups in the new version) do not support muting members.

Sample request URL

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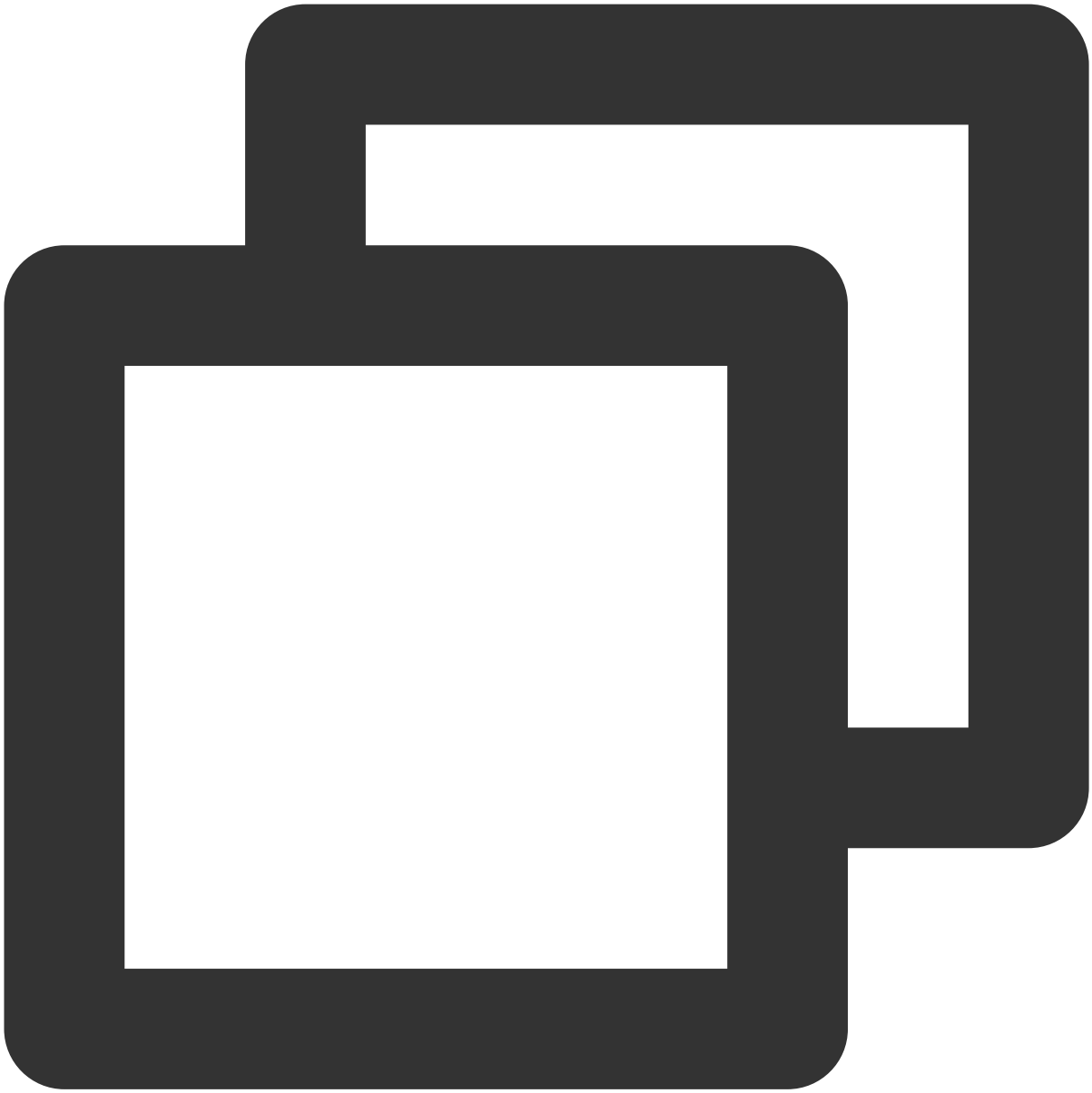

```
https://xxxxxx/v4/group_open_http_svc/forbid_send_msg?sdkappid=88888888&identifier=
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/forbid_send_msg	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Muting members

You can set a specific period of time in `MuteTime` to mute specified members.

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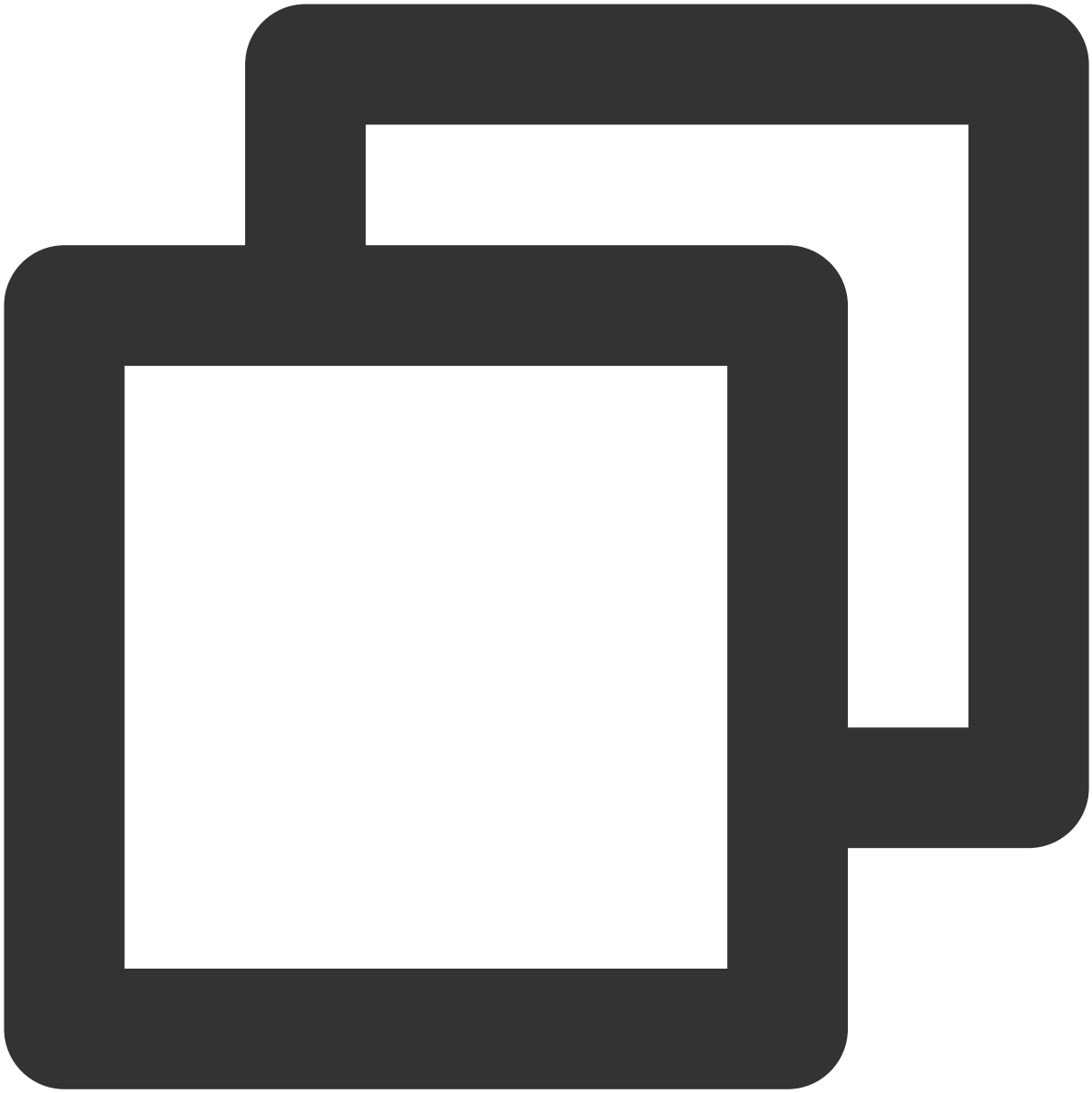

```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Members_Account": [ // Up to 500 member accounts
      "peter",
      "leckie"
  ],
  "MuteTime": 60 // Muting period, in seconds
}
```

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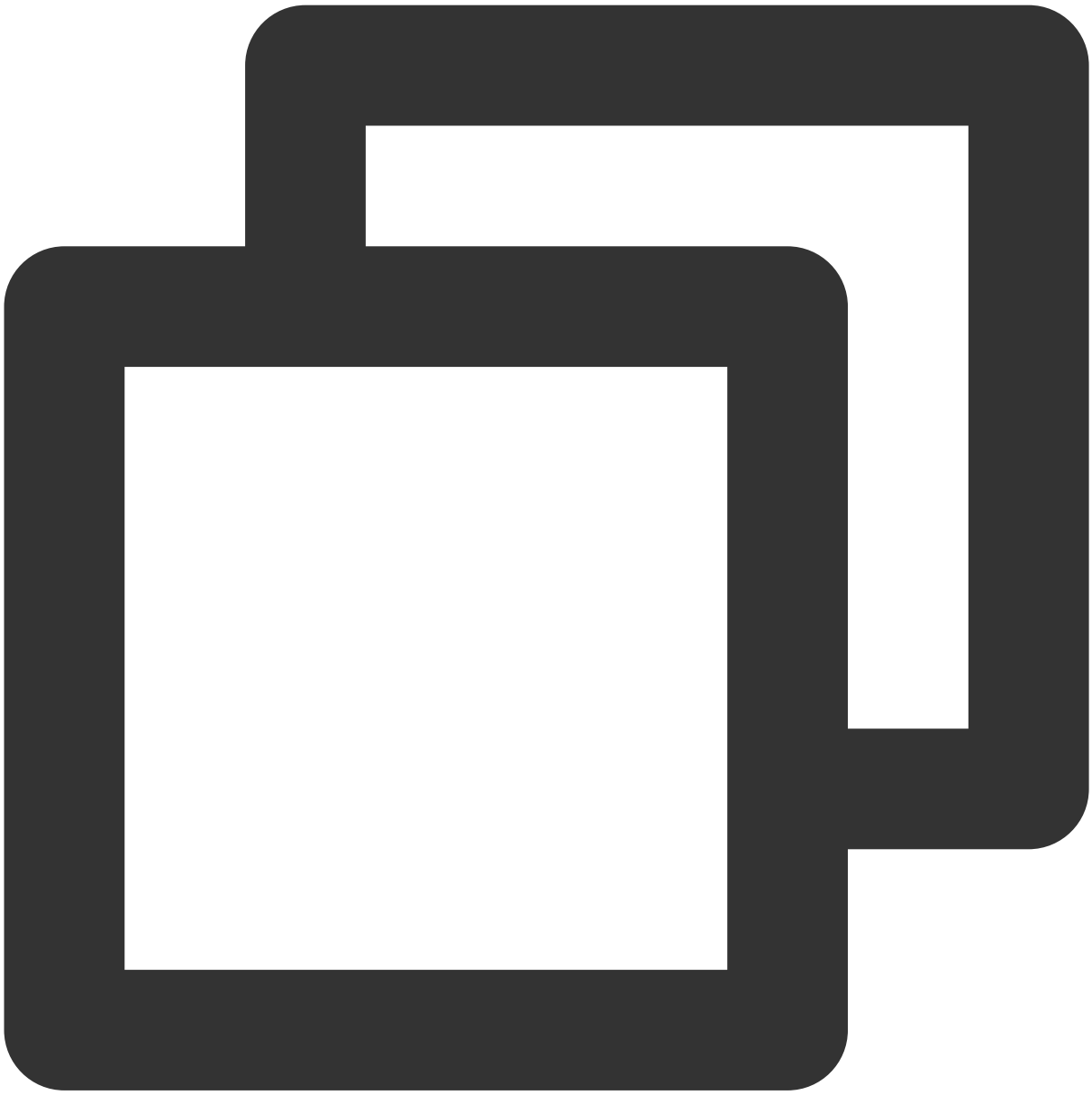
Unmuting members

To unmute members, set `MuteTime` to `0` .



```
{
  "GroupId": "@TGS#2C5SZEAEF",
  "Members_Account": [ // Up to 500 member accounts
      "peter",
      "leckie"
  ],
  "MuteTime": 0 // 0 indicates to unmute members.
}
```

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Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the group to be queried
Members_Account	Array	Yes	The member accounts to be muted. A maximum of 500 accounts are supported.
MuteTime	Integer	Yes	Muting period of the unsigned integer type, in seconds. `0` : Unmute; `4294967295` : Permanent muting
TopicId	String	Optional	ID of the topic whose muting status is to be set. This field applies only to topic-enabled community groups.

Sample response

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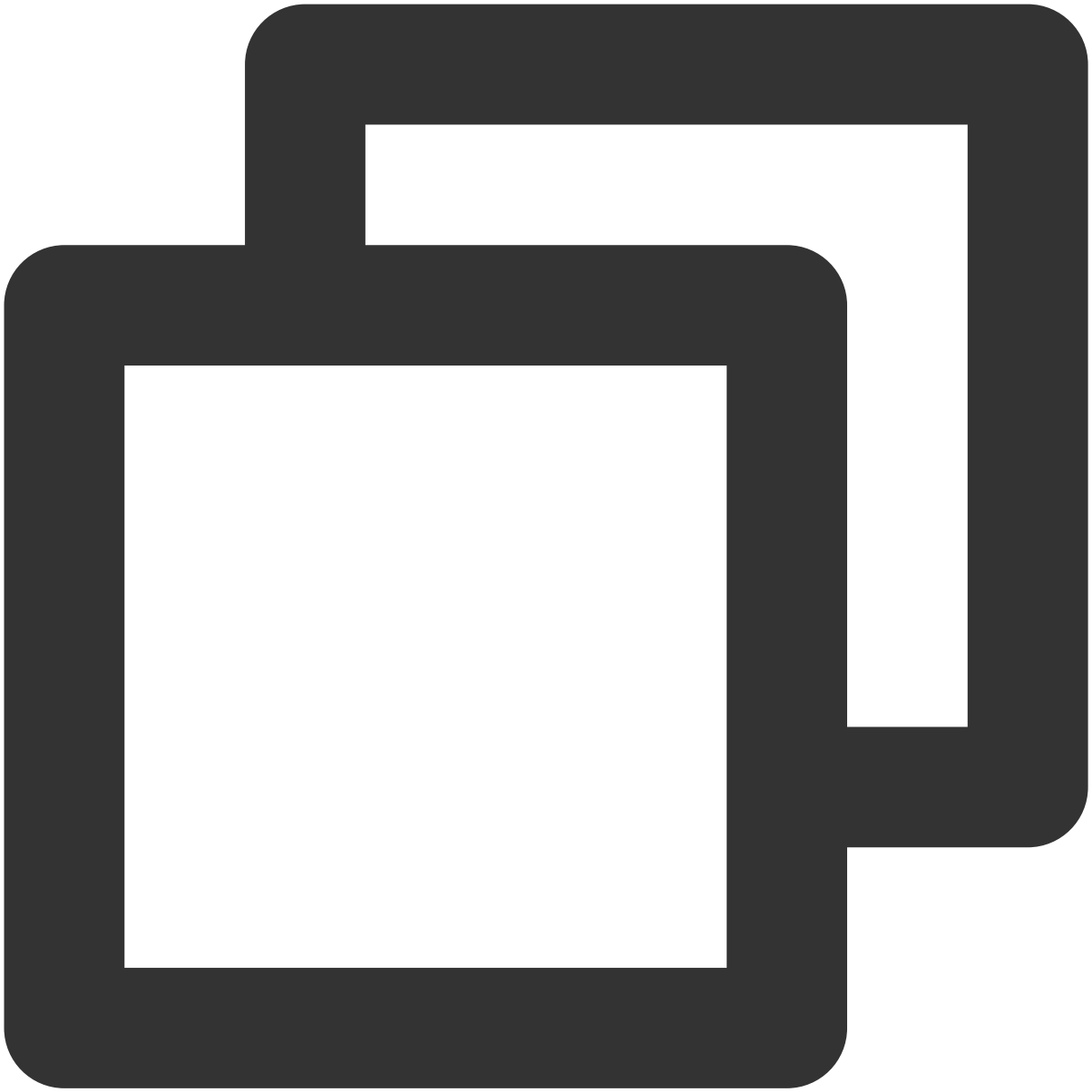

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Getting the List of Muted Group Members (v4/group_open_http_svc/get_group_muted_account)

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Getting the List of Muted Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to get the list of muted users in a group based on the group ID.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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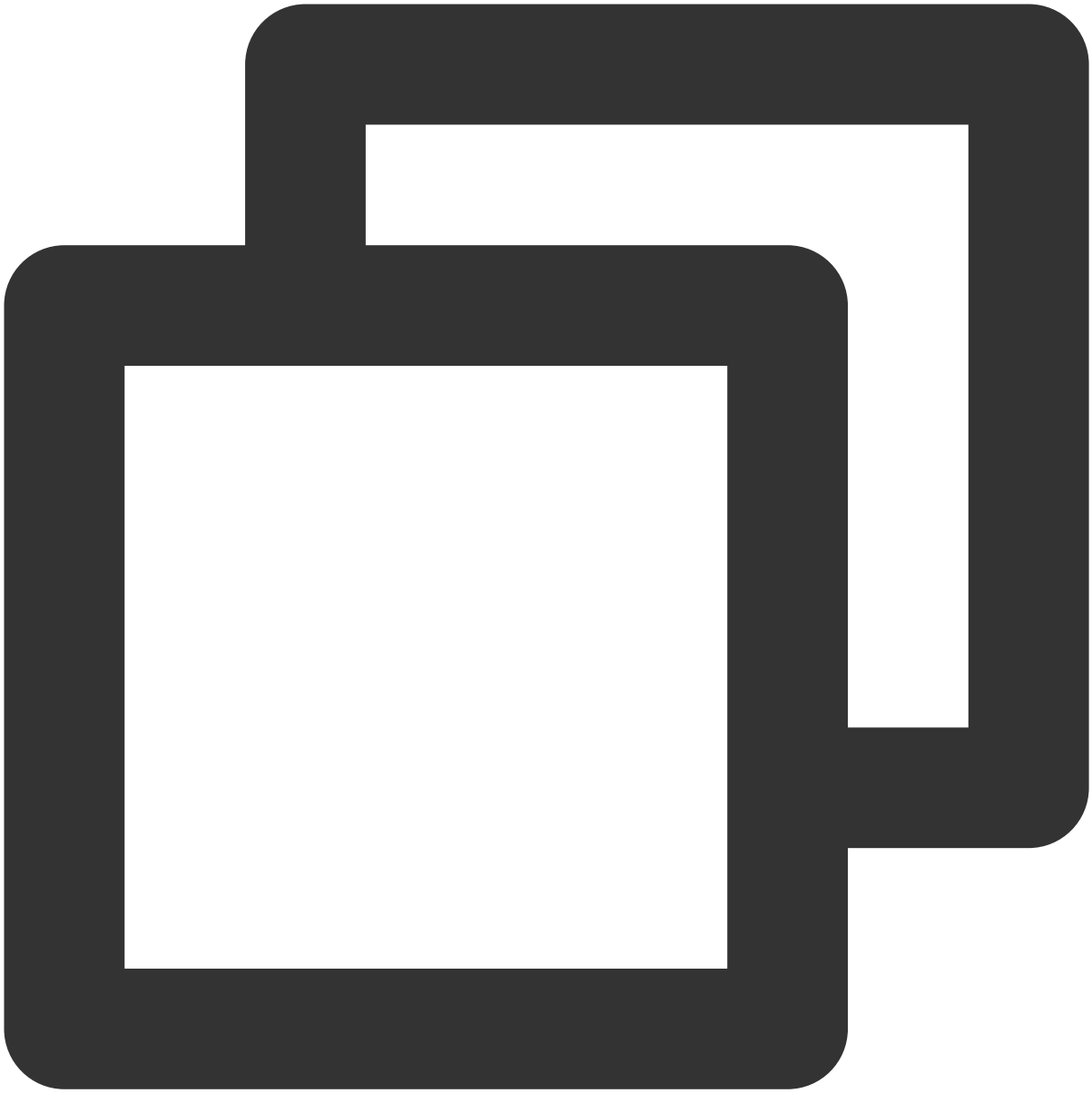

```
https://xxxxxx/v4/group_open_http_svc/get_group_muted_account?sdkappid=88888888&ide
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_group_muted_account	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Getting the list of muted members in a group based on the group ID

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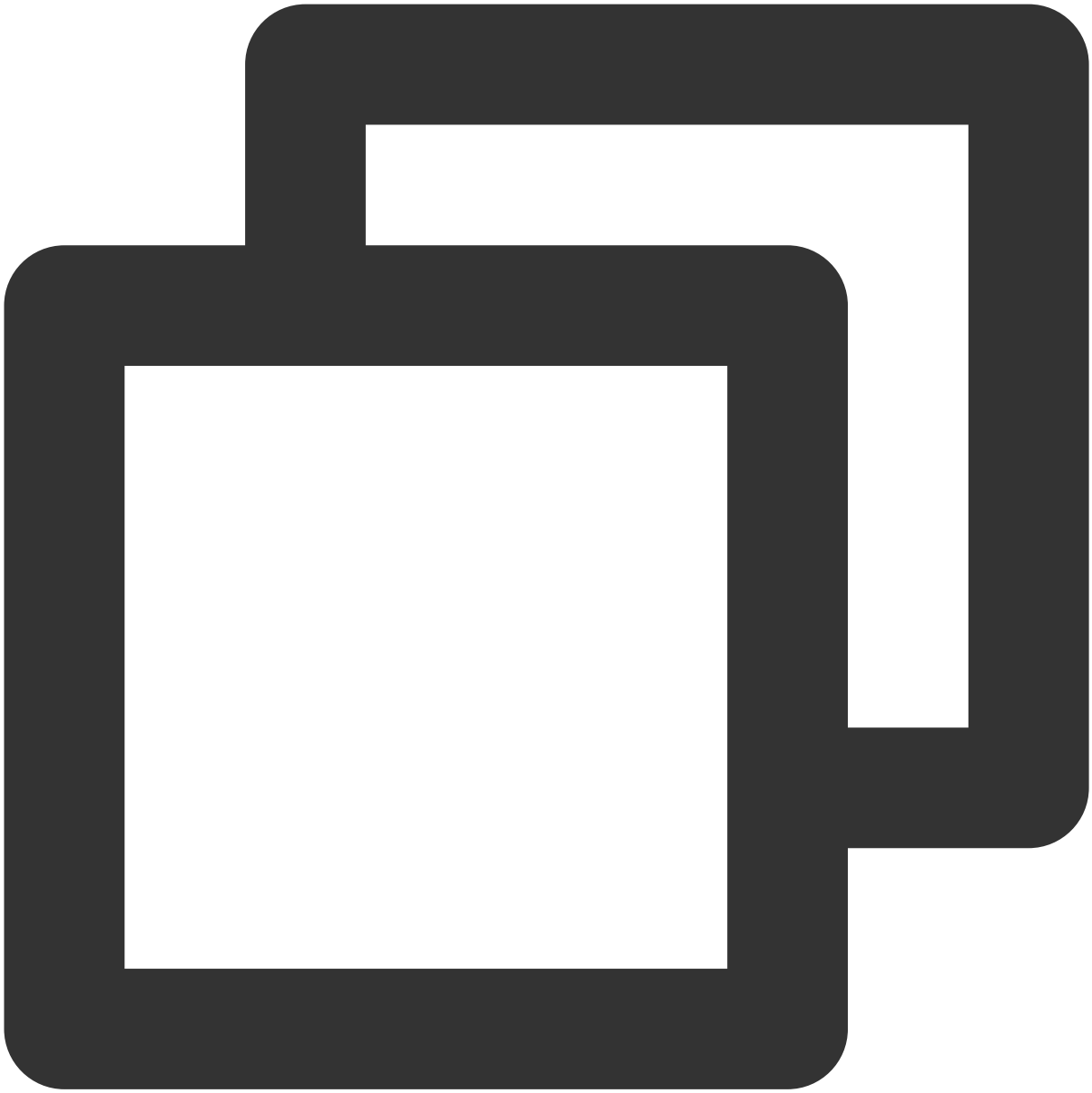

```
{
    "GroupId":"@TGS#1KGZ2RAEU"
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Required	ID of the group for which the list of muted members is to be obtained

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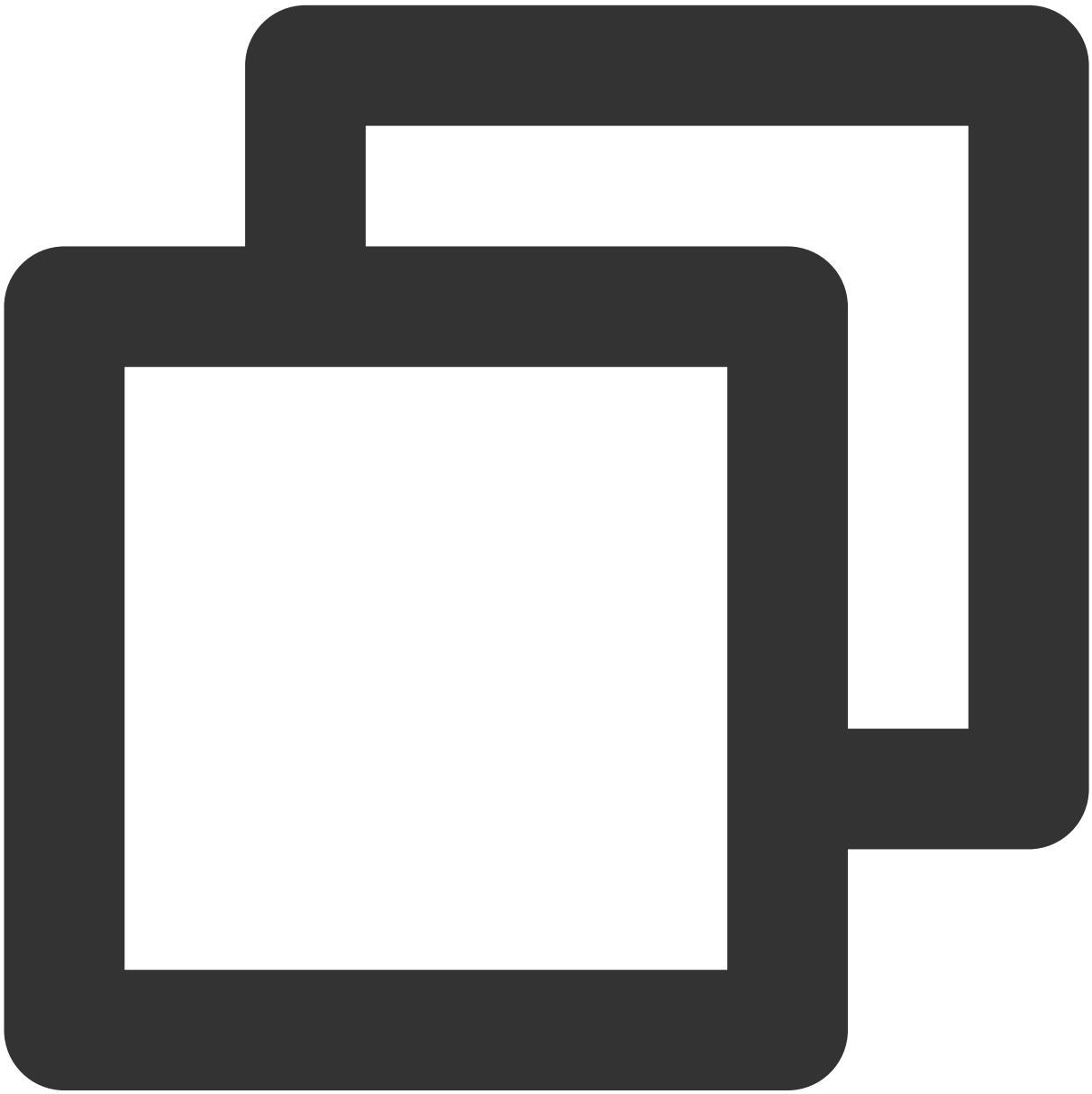
TopicId	String	Optional	ID of the topic for which the list of muted members is to be obtained. This field applies only to topic-enabled communities.

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "GroupId": "@TGS#2FZNNRAEU",
    "MutedAccountList": [ // List of muted users in the group
```

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```
        {
            "Member_Account": "tommy", // User ID
            "MutedUntil": 1458115189 // Muting stop time (UTC - Coordinated Univers
        },
        {
            "Member_Account": "peter",
            "MutedUntil": 1458115189
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MutedAccountList	Array	Array of muted users' information, including user IDs and muting stop time (UTC - Coordinated Universal Time)

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.

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10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Bulk Muting and Unmuting (v4/group_open_http_svc/forbid_send_msg)

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Changing Group Owner

Last updated：2024-07-16 11:15:59

Feature Overview

The app admin can call this API to transfer the group ownership to others.
For a group without an owner, the app admin can call this API to specify a user as the owner of the group.
The new group owner must be a member of the group.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No (See the note below)
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not support the transfer of group ownership. If you call this API for such a group, error code 10007 will be returned.

Sample request URL

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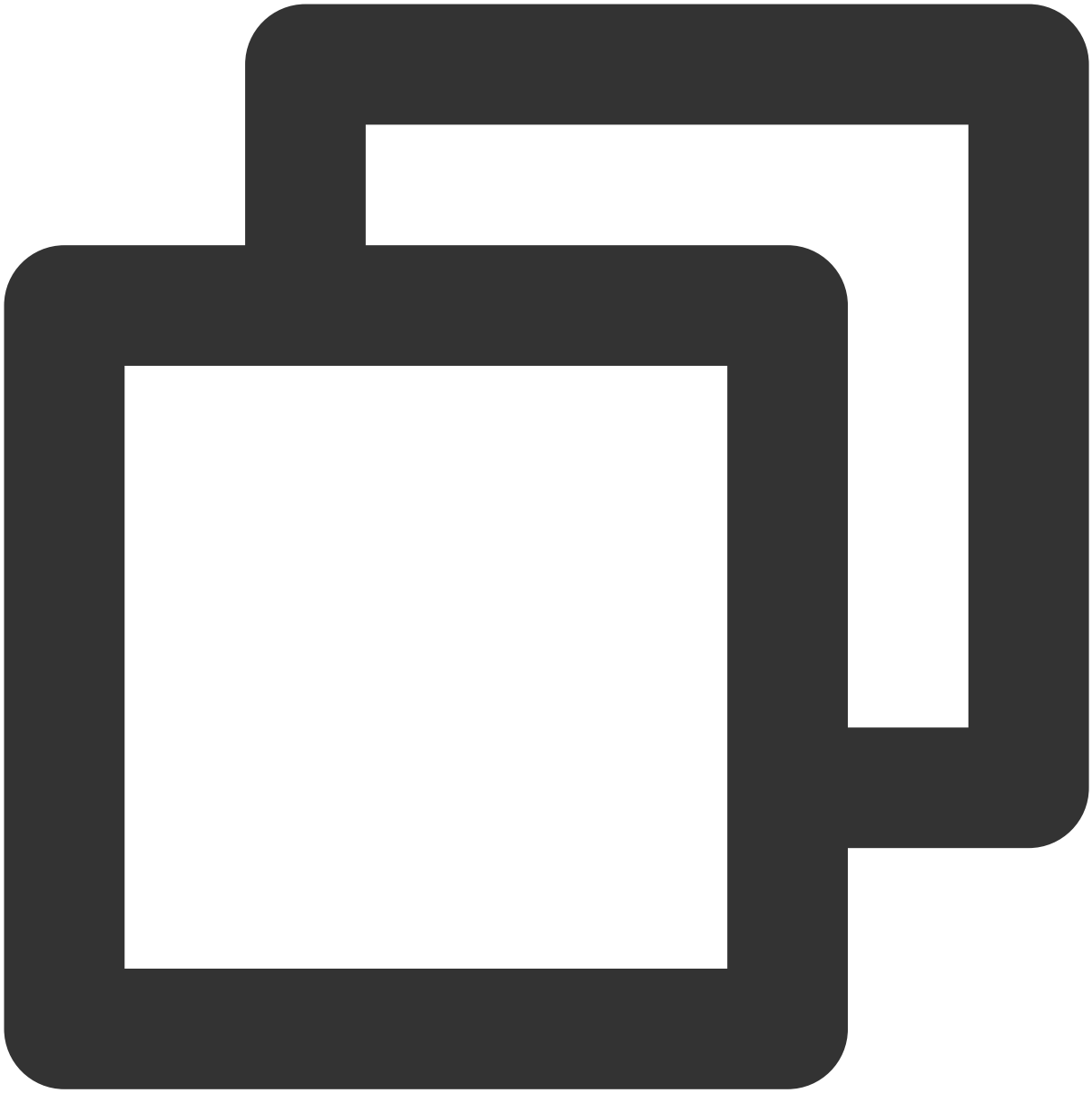

```
https://xxxxxx/v4/group_open_http_svc/change_group_owner?sdkappid=88888888&identifi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/change_group_owner	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Transfer the group ownership to another group member. The new group owner must be a member of the group.

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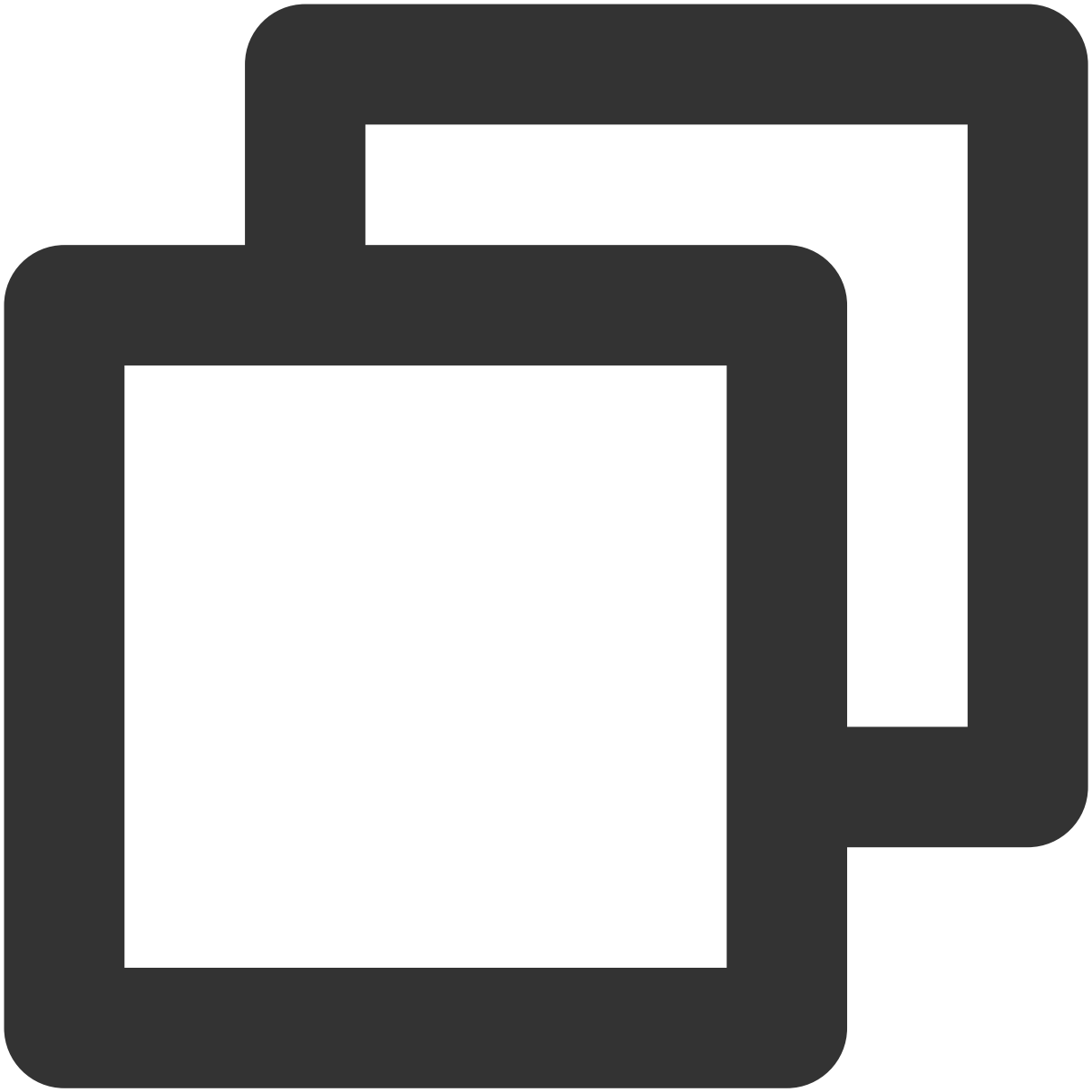

```
{
    "GroupId": "@TGS#1NVTZEAE4",  // (Required) ID of the group whose ownership is
    "NewOwner_Account": "peter" // (Required) ID of the new group owner
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group whose ownership is to be transferred

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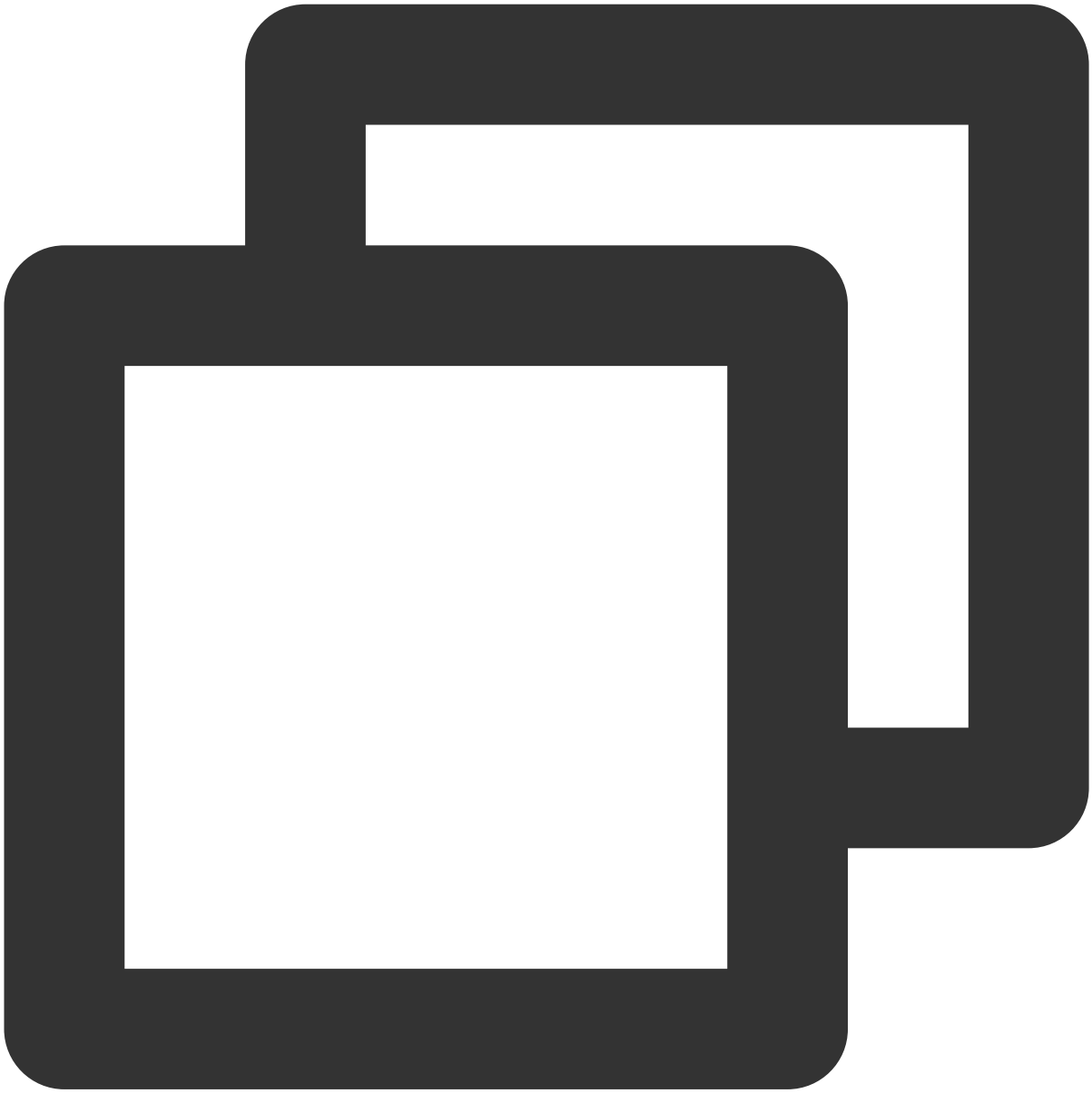
NewOwner_Account	String	Yes	ID of the new group owner

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	A system error occurred. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10007	Insufficient operation permissions. Check whether the operator is the app admin.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Recalling group messages (v4/group_open_http_svc/group_msg_recall)

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Querying the Roles of Users in a Group

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to batch obtain the roles of users in a group.

API Calling Description

Applicable group types

Group Type ID	Support for This RESTful API
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the preset group types of Chat. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not support this API. If this API is called for an audio-video group, a 10007 error will be returned. For an audio-video group, you can call the API for Getting Group Member Profiles to query member roles.

Sample request URL

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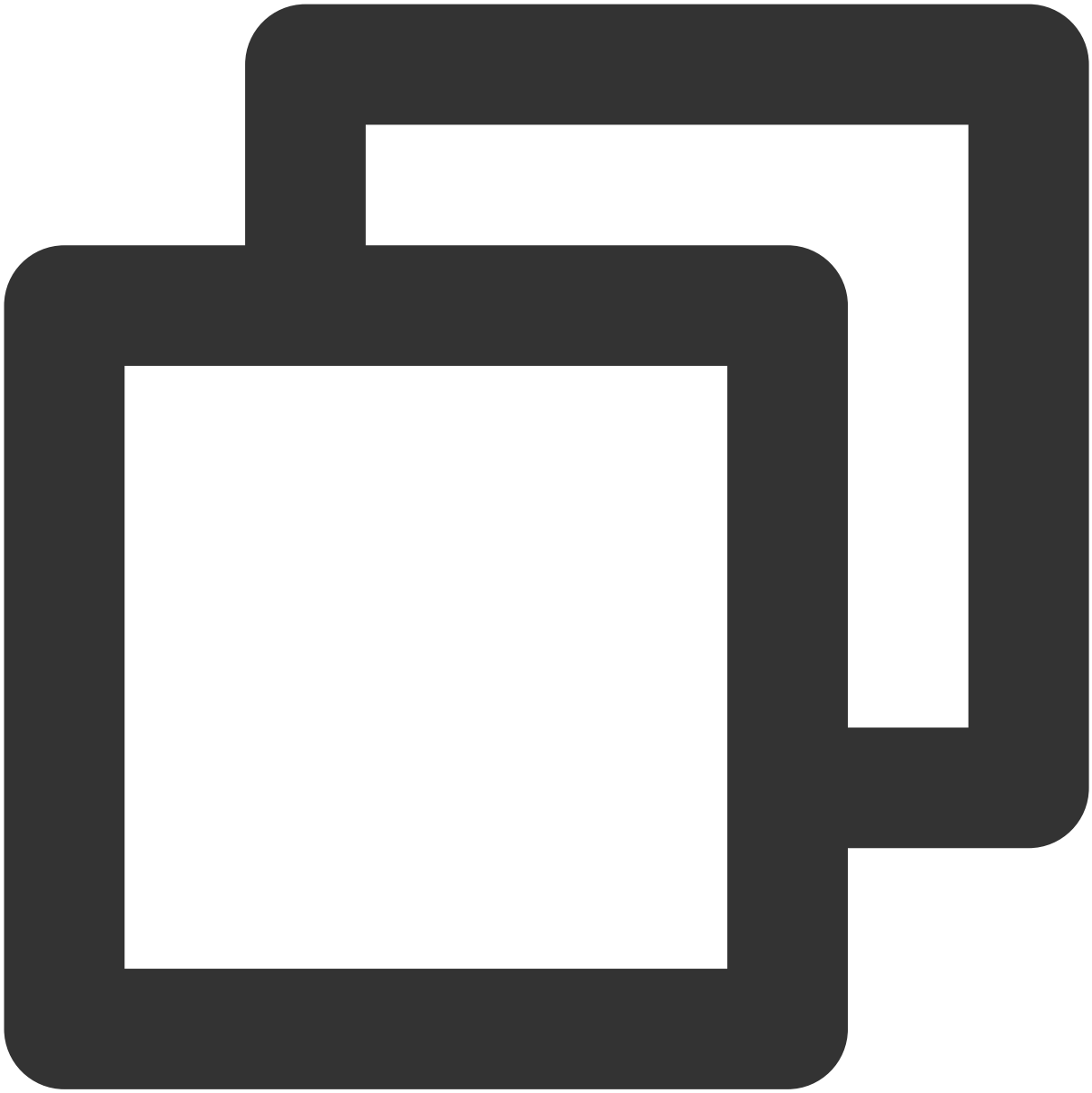

```
https://xxxxxx/v4/group_open_http_svc/get_role_in_group?sdkappid=88888888&identifie
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_role_in_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Obtain the list of groups a user has joined. The group information includes the group ID and the IDs of group members whose roles are to be queried.

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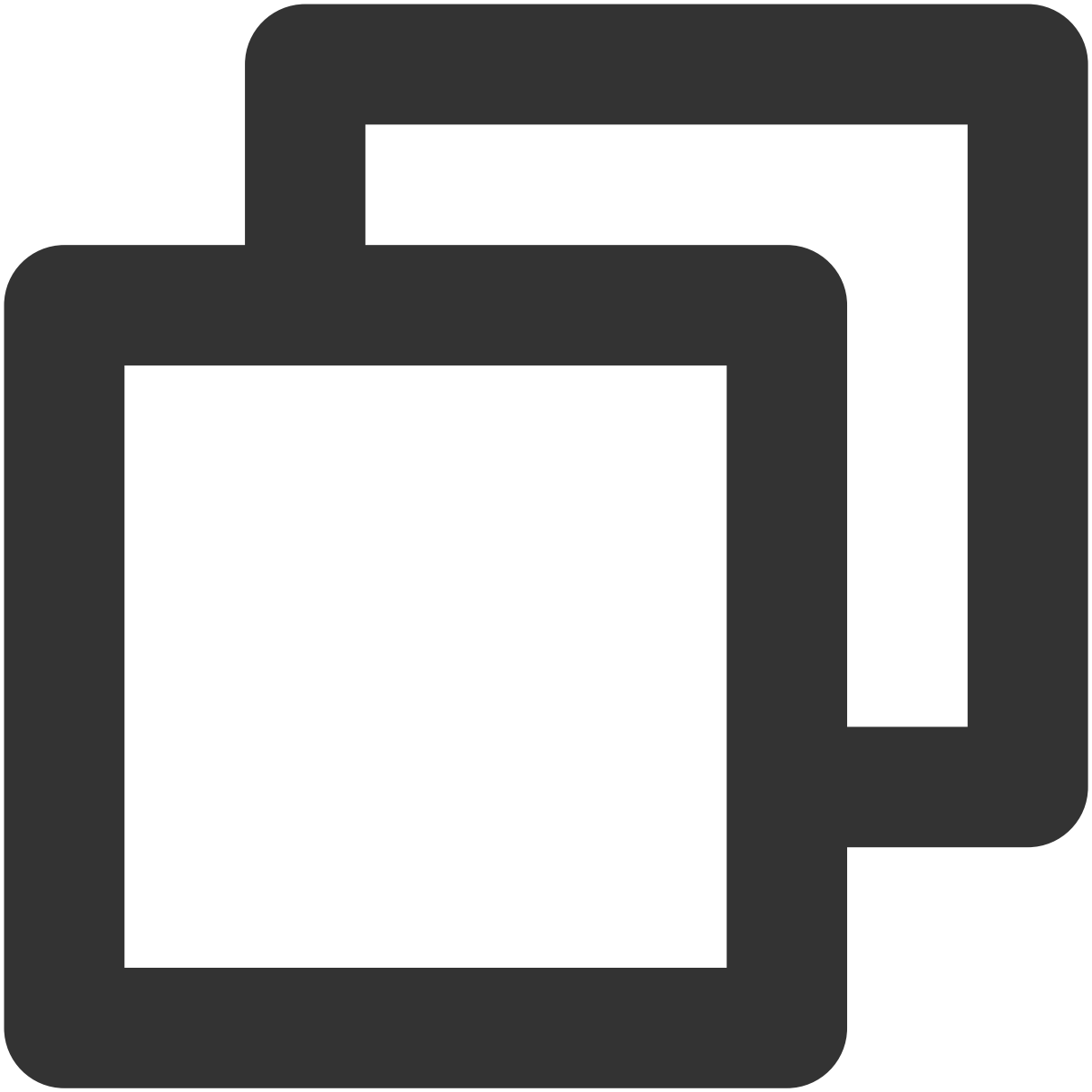

```
{
    "GroupId": "@TGS#2C5SZEAEF",
    "User_Account": [ // Up to 500 member accounts are supported
        "leckie",
        "peter",
        "wesley"
    ]
}
```

Request fields

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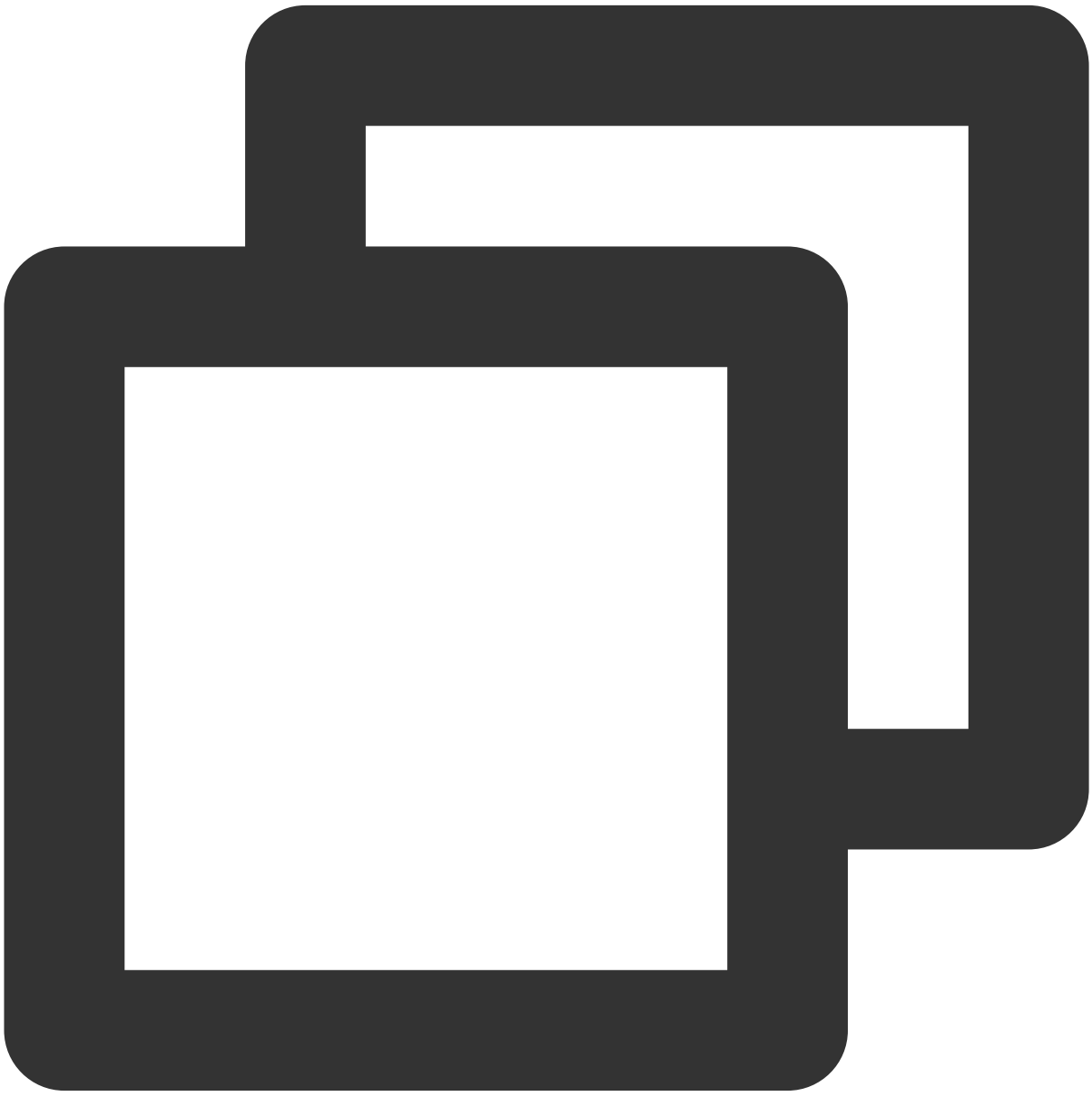
Field	Type	Required	Description
GroupId	String	Yes	The ID of the group to be queried
User_Account	Array	Yes	User accounts to be queried. Up to 500 accounts are supported.

Sample response



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode": 0,
    "UserIdList": [ // Result
        {
            "Member_Account": "leckie",
            "Role": "Owner" // Member role: Owner/Admin/Member/NotMember
        },
        {
            "Member_Account": "peter",
            "Role": "Member"
        },
        {
            "Member_Account": "wesley",
            "Role": "NotMember"
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
UserIdList	Array	Member roles that are pulled, including Owner, Admin, Member, and NotMember

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.

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10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. The operator must have permissions to perform corresponding operations.
10010	The group does not exist or has been deleted.
10015	Failed to parse the JSON packet. Check whether the packet complies with JSON specifications.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Getting the Groups a User Has Joined (v4/group_open_http_svc/get_joined_group_list)

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Importing Group Members

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used to import group members without triggering callbacks or delivering notifications.
When your app needs to be migrated to Chat from another instant messaging system, you can use this API to import existing group member data.

API Calling Description

Applicable group types

Group Type	Applicable
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as meeting groups (Meeting) in the new version.
AVChatRoom	No
Community	Yes

Above are the built-in group types of the Chat service. For more information, see Group System.

Note

Generally, importing group members is not required for audio-video groups (AVChatRoom), so audio-video groups do not support this API. If you attempt to use this API on an audio-video group, error 10007 will be returned.

Sample request URL

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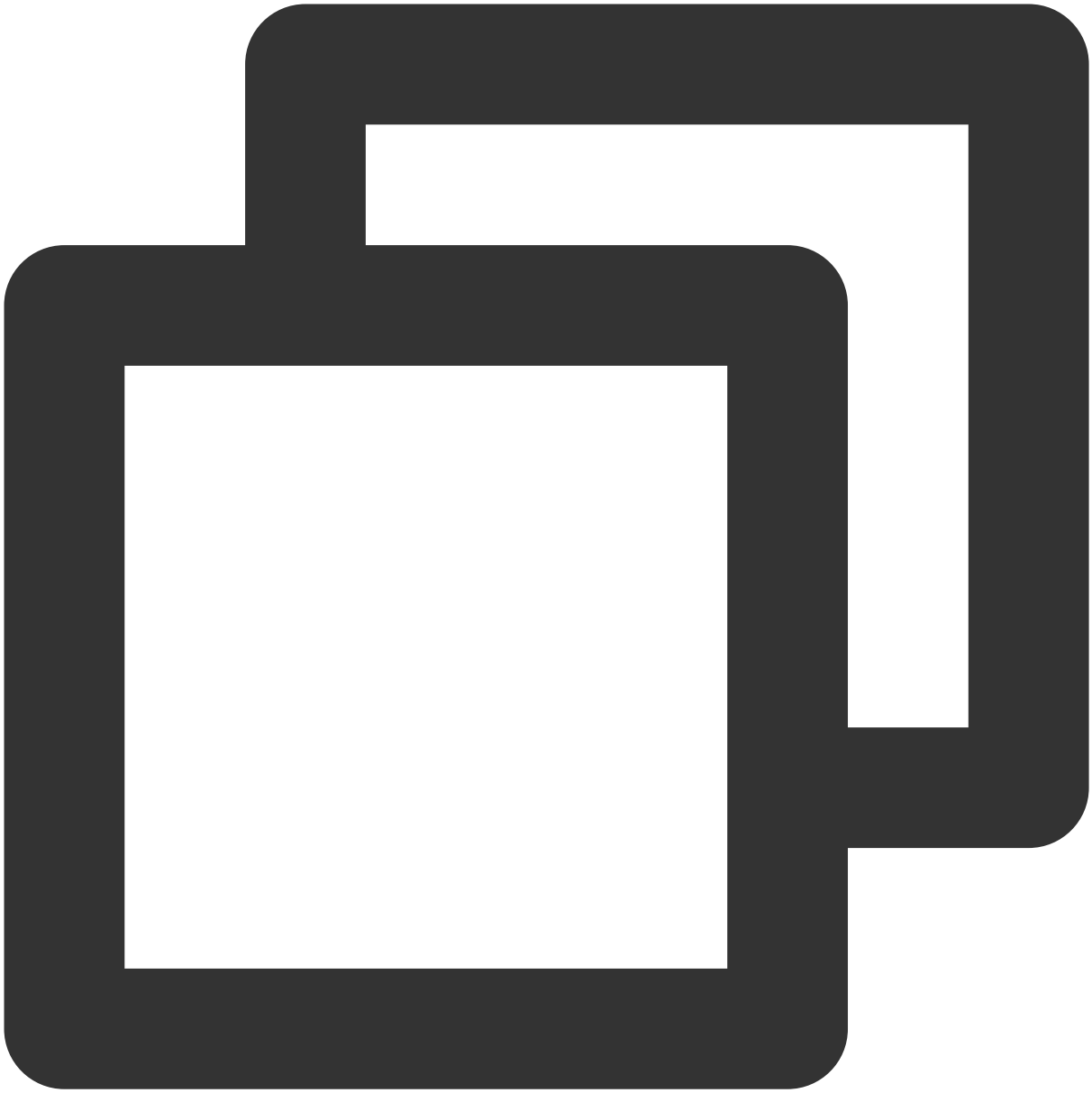

```
https://xxxxxx/v4/group_open_http_svc/import_group_member?sdkappid=88888888&identif
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/import_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

You can call this API to initiate a request to import members to a group. A single request can import up to 300 members. If the unread message count specified by this API is greater than the current number of messages of the group, the unread message count is set to the current number of messages of the group.

Caution

Before importing a member, ensure that the time that the member joined the group is later than the group creation time and earlier than the current time. Otherwise, the member cannot be imported.

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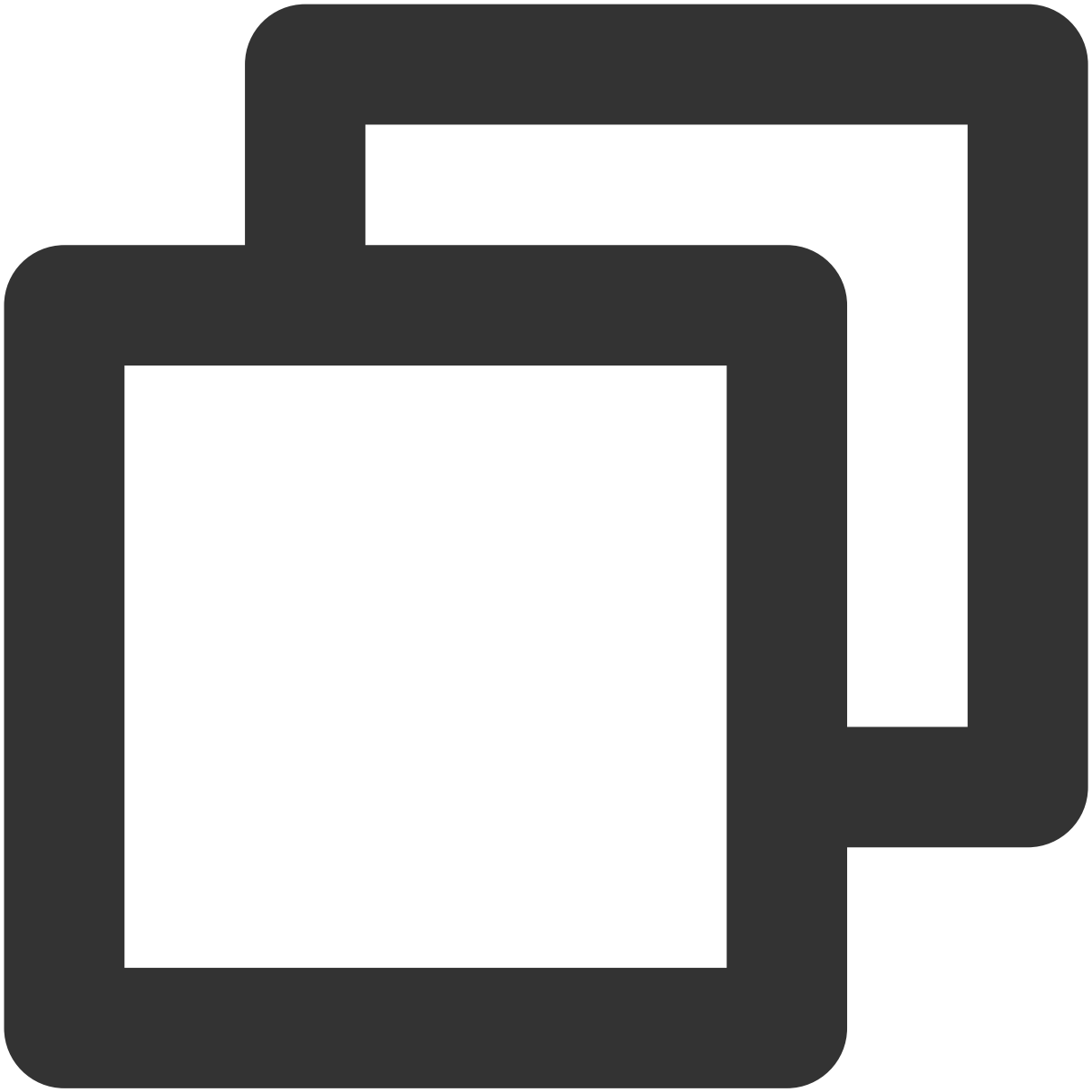

```
{
    "GroupId": "@TGS#2J4SZEAEL", // (Required) Target group
    "MemberList": [ // Up to 300 members can be added at a time.
    {
        "Member_Account": "tommy", // (Required) ID of the member to be added
        "Role":"Admin", // (Optional) Role of the group member to be imported. Curr
        "JoinTime":1448357837, // (Optional) Time when the group member to be impor
        "UnreadMsgNum":5          // (Optional) Unread message count of the member

    },
    {
```

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```
            "Member_Account": "jared",
            "JoinTime":1448357857,
            "UnreadMsgNum":2
        }]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the target group
MemberList	Array	Yes	A list of the members to be added
Member_Account	String	Yes	Group member accounts to be imported
Role	String	No	Role of the group member to be imported. Currently, only `Admin` is supported. If this field is not specified, the value `Member` (ordinary user) is used.
JoinTime	Integer	No	Time when the group member to be imported joined the group
UnreadMsgNum	Integer	No	Unread message count of the group member to be imported

Sample response

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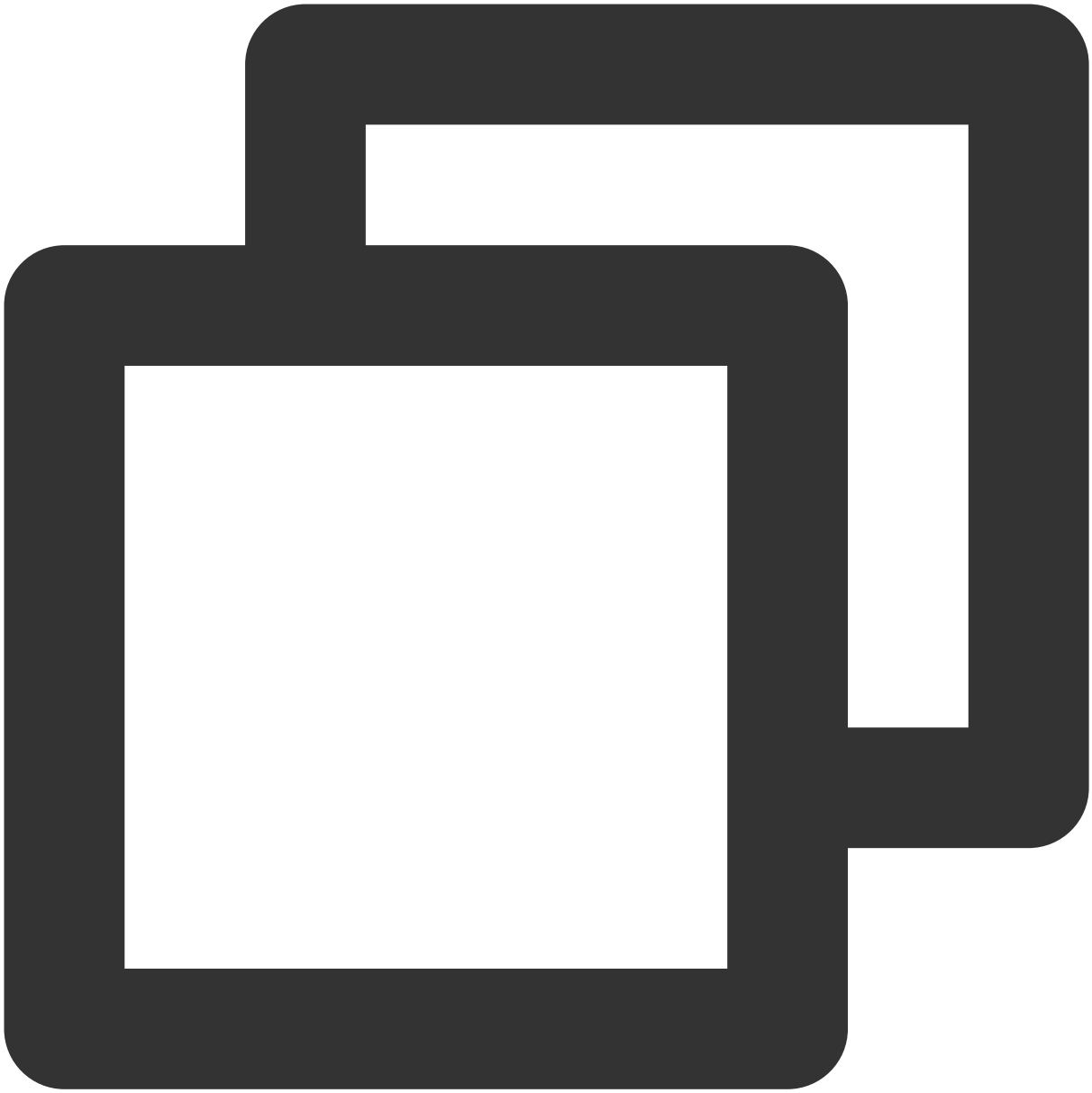

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MemberList": [
    {
        "Member_Account": "tommy",
        "Result": 1 // Result of the import. 0: Failed; 1: Succeeded; 2: Already a
    },
    {
        "Member_Account": "jared",
```

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```
            "Result": 1
        }]
    }
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MemberList	Array	The result of adding members
Member_Account	String	Account of the group member
Result	Integer	Result of the import. 0: Failed; 1: Succeeded; 2: Already a group member

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10005	The request packet carries too many accounts.
10006	Reached the operation frequency limit. Please reduce the call rate.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been disbanded.

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10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Deleting Group Members (v4/group_open_http_svc/delete_group_member)

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Group Member Information
Getting Group Member Profiles

Last updated：2024-07-16 11:15:59

Overview

This API is used by the app admin to obtain group member profiles based on the group ID.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as the work group (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No
Community	Yes. Getting group member profiles by using the `Next` field.

These are the preset group types in IM. For more information, see Group System.

Note

Due to the large number of members in a community group, the pagination getting method is changed to the batch getting method based on the `Next` field.

Sample request URL

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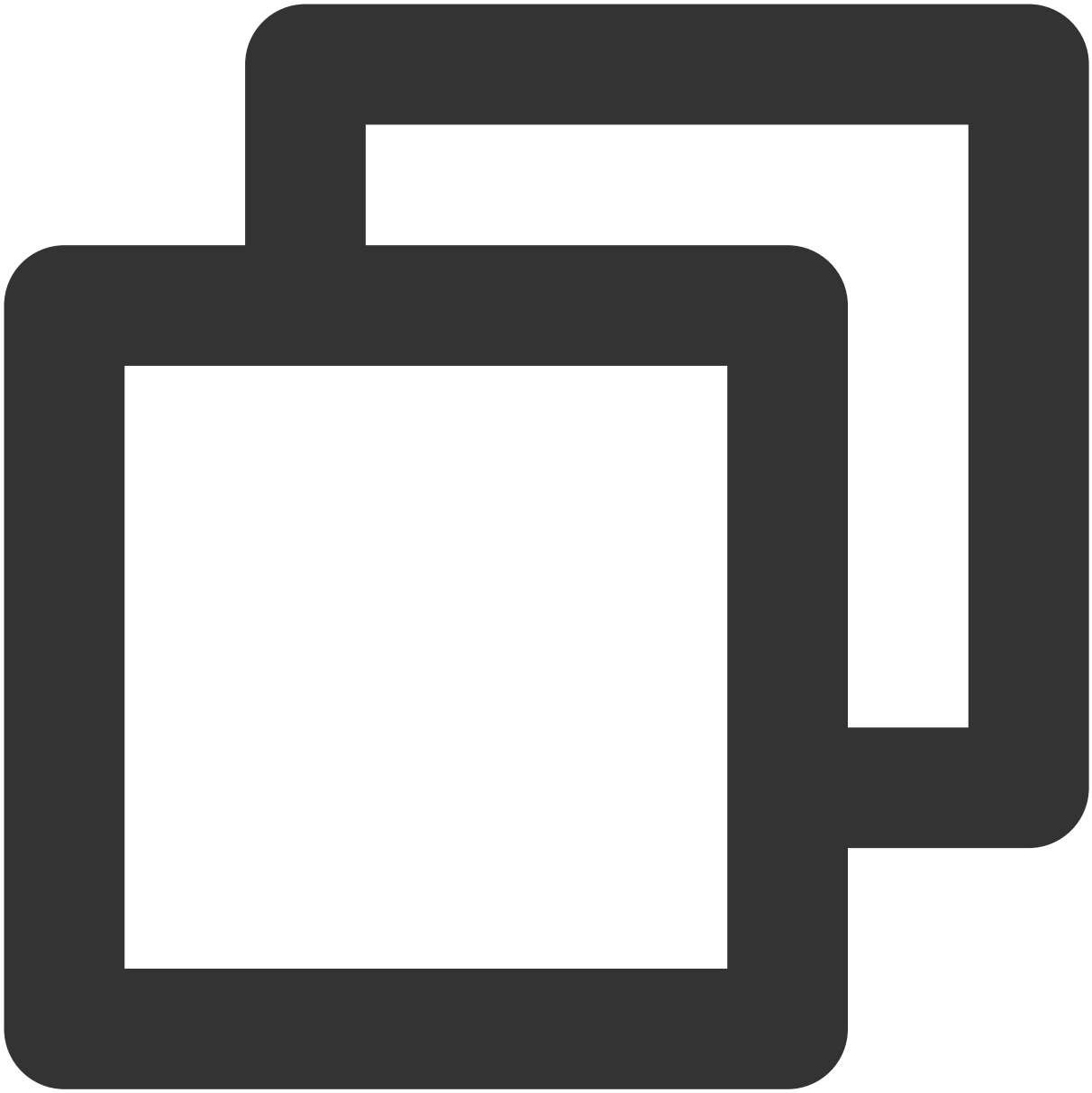

```
https://xxxxxx/v4/group_open_http_svc/get_group_member_info?sdkappid=88888888&ident
```

Request parameters

The following table only describes the modified parameters when this API is called. For more information on other parameters, please see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_member_info	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

A basic request is used to obtain detailed group member information, including group member profiles and custom group member fields. The request requires only the group ID.

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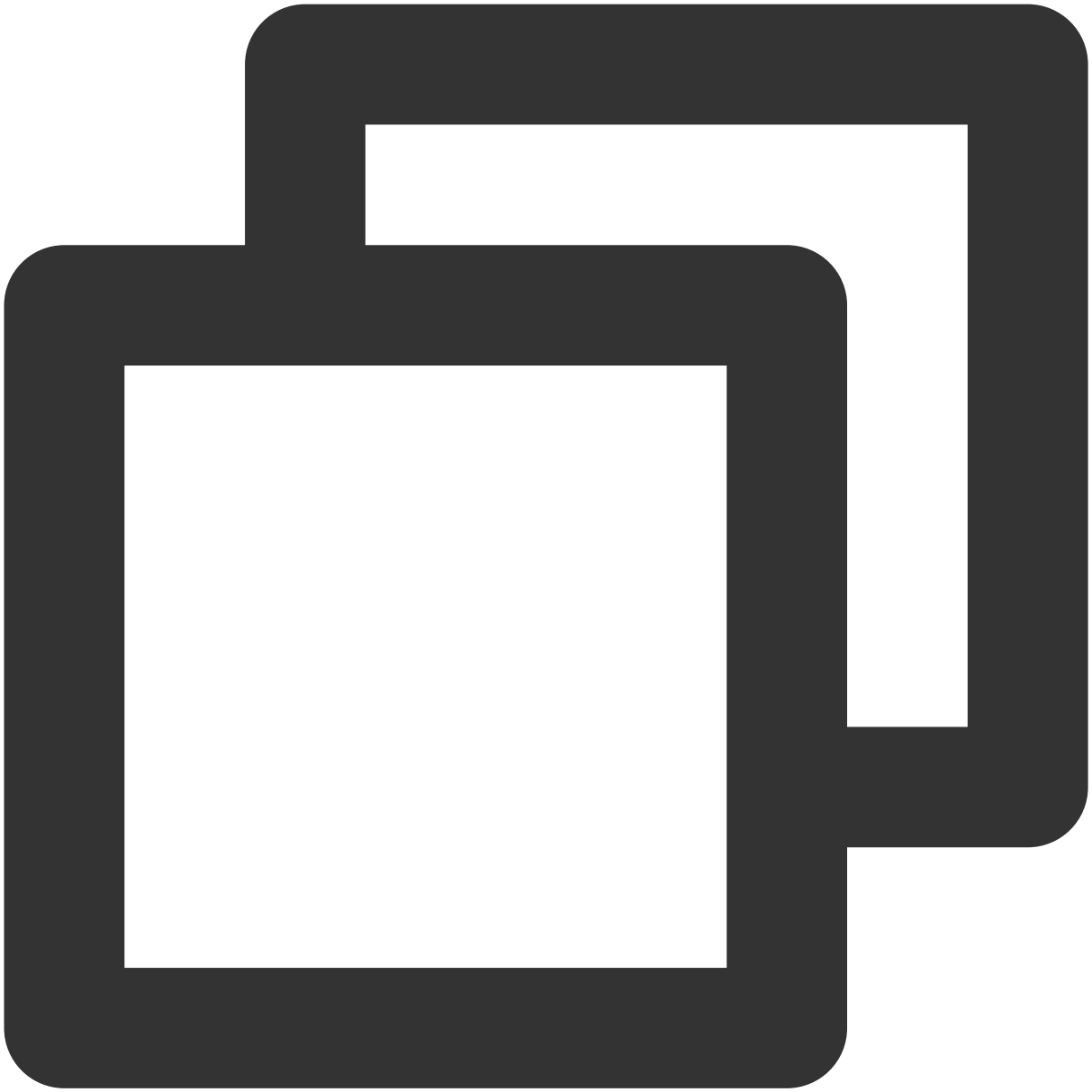

```
{
  "GroupId":"@TGS#1NVTZEAE4"  // Group ID (required)
}
```

Pagination

You can use the `Limit` and `Offset` fields to control the pagination mode:

`Limit` : specifies the maximum number of members in the `MemberList` array in the response. Maximum value: 200; recommended value: 100.

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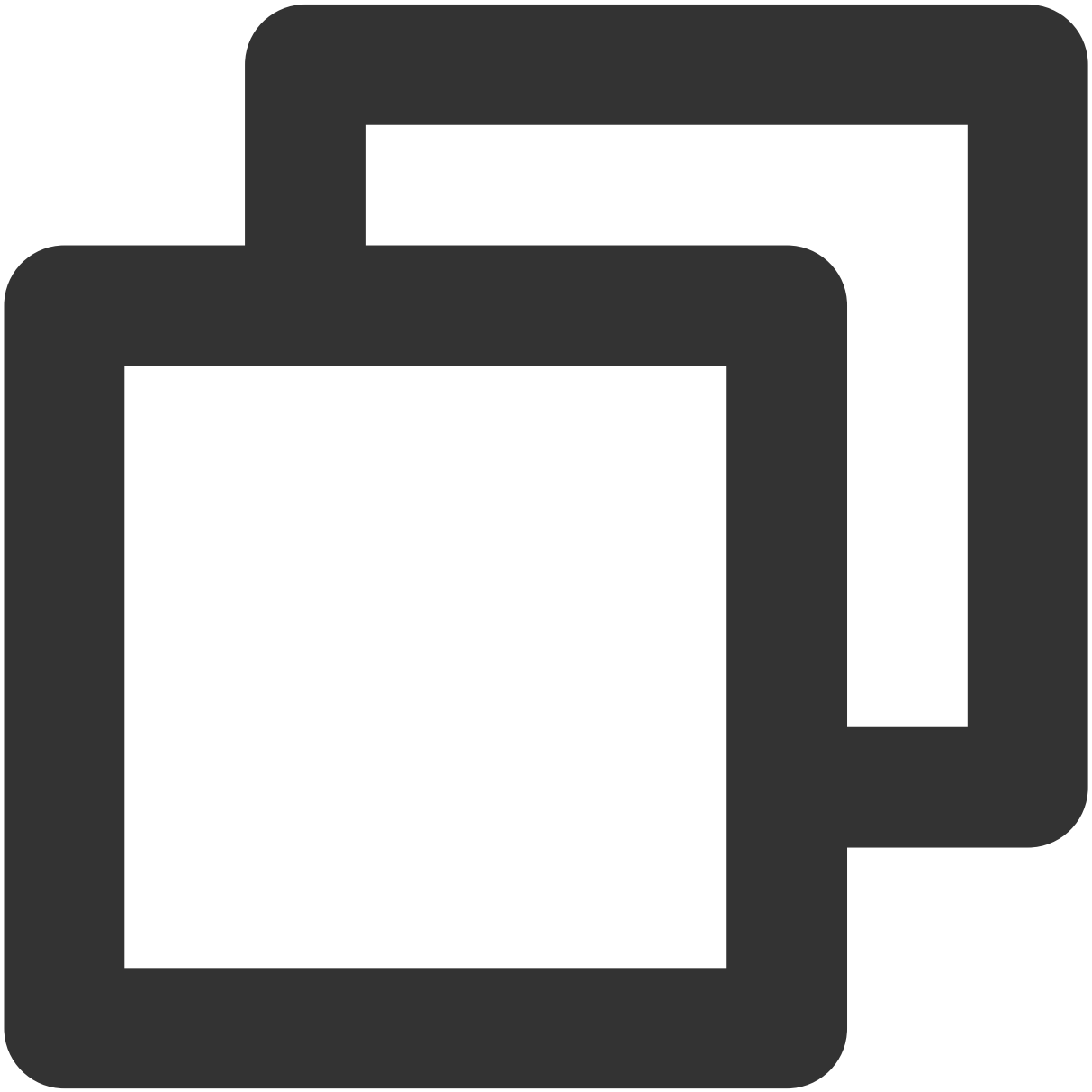
`Offset` : specifies from which group member to start pulling information. If the page number starts from `1` , the value of `Offset` for each page should be `(page number - 1) × number of group members to display on each page` .

For example, to display 20 group members on each page, the request parameters for the first page should be `{"Limit": 20, "Offset": 0}` , the request parameters for the second page should be `{"Limit": 20, "Offset": 20}` , and so on.



```
{
    "GroupId":"@TGS#1NVTZEAE4", // Group ID (required)
    "Limit": 100, // Maximum number of members to pull information
```

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```
    "Offset": 0 // Sequence number of the member from whom to start pulling informa
}
```

Note

The community currently does not support paging to get the group member details.

Batch

You can use the `Limit` and `Next` fields to control the batch mode:

`Limit` : specifies the maximum number of members in the `MemberList` array in the response. Maximum value: 100

`Next` : specifies a member position from which subsequent information is to be pulled. For the first request, the client request parameter `Next` must pass in "". For the last request, the server returns "" for the `Next` parameter, indicating that the information pulling ends.

For intermediate requests, the client request parameter `Next` uses the last value of `Next` returned by the server. This is similar to Redis scan cursor queries.

For example, if you are to perform batch pulling, the parameters in the first request should be `{"Limit" : 20, "Next" : ""}` , and the server returns the following:

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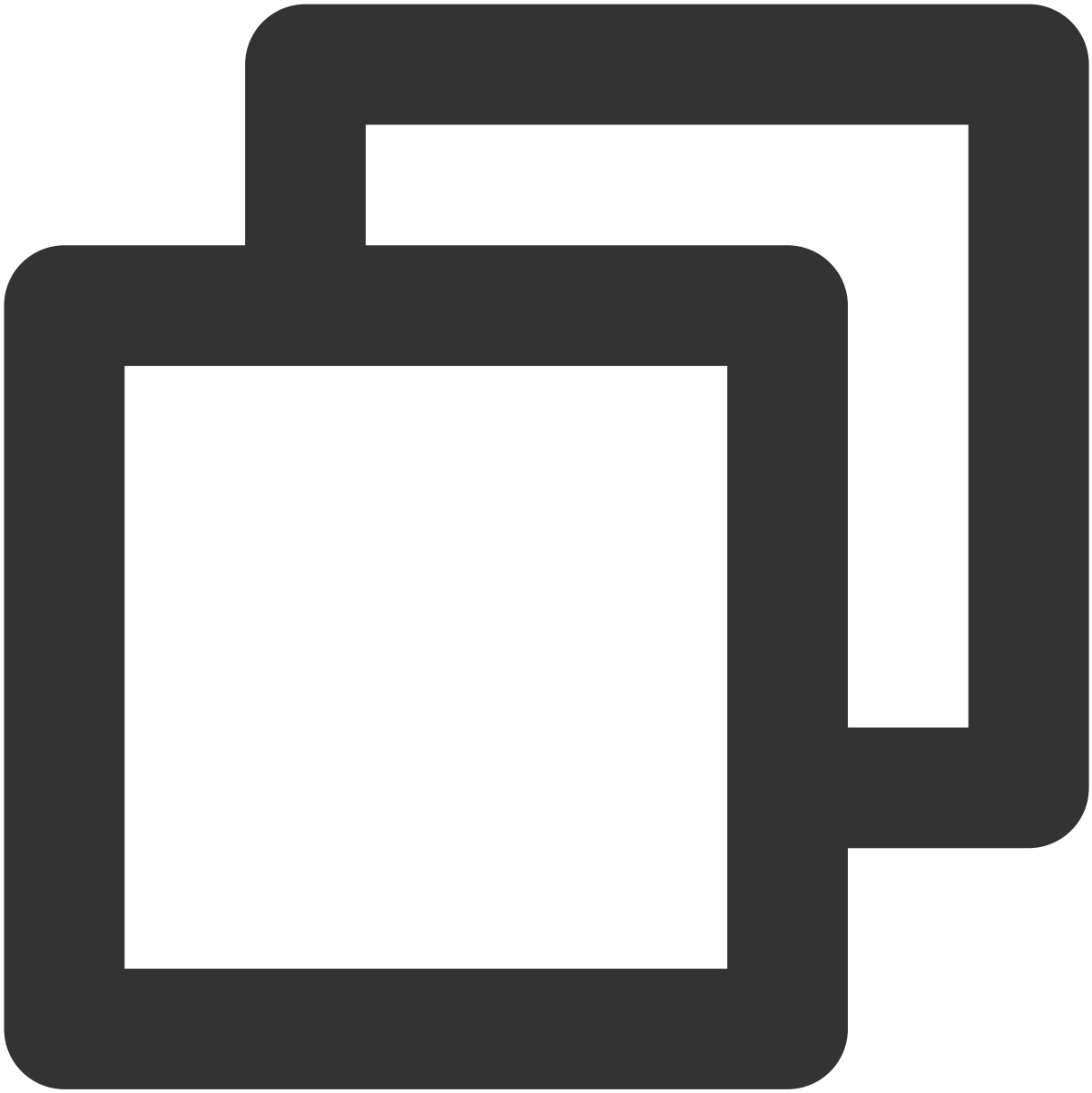

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "Next": "14411526529549278 7",
    "MemberList": [
            ....
```

The parameters in the second request should be `{"Limit" : 20, "Next" : "14411526529549278 7"}`. And so on, until the server replies with `Next` as "", indicating that there is no subsequent member information, and

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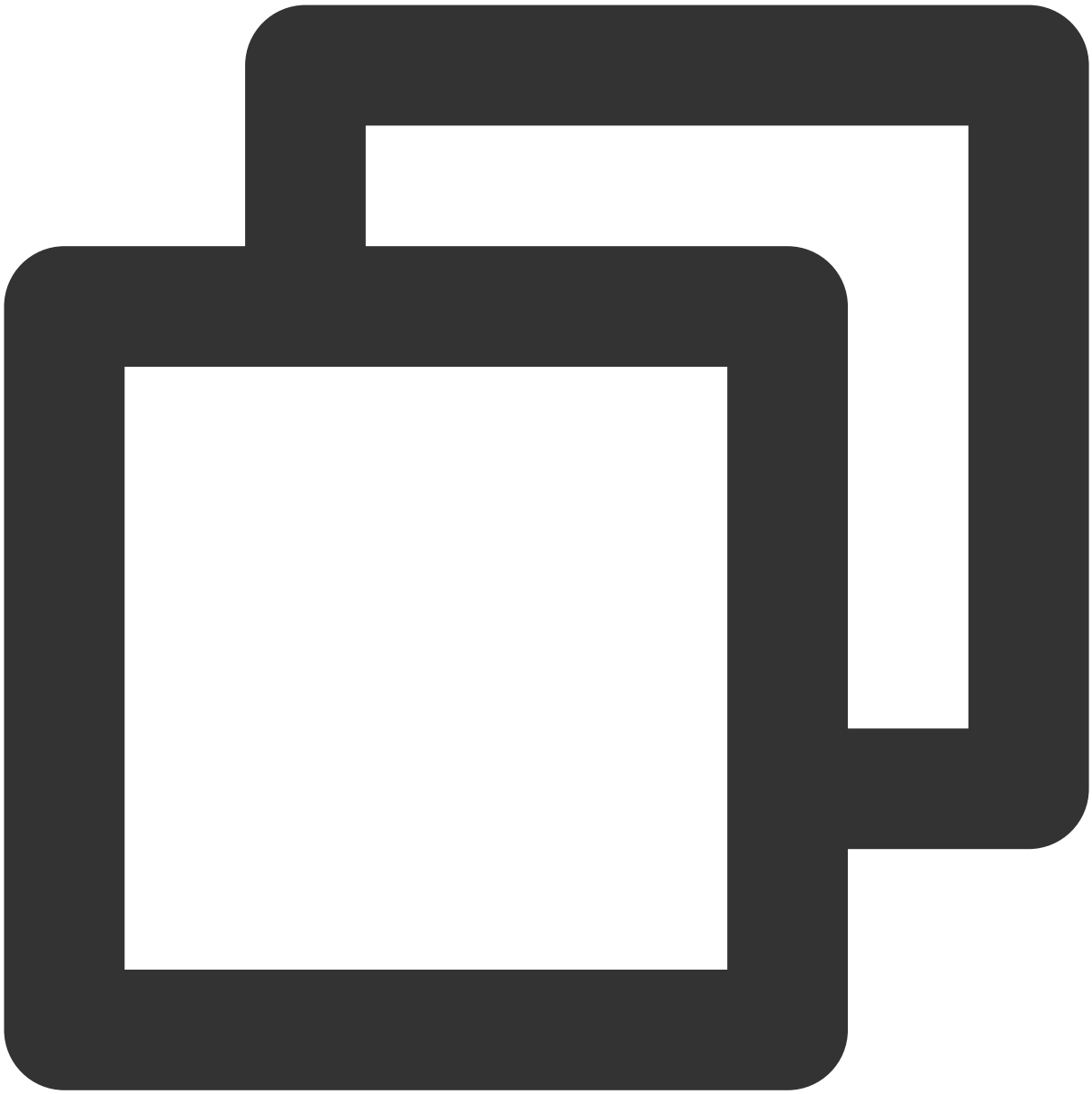
the client should end the query.



```
{
    "GroupId":"@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
    "Limit": 100, // Maximum number of members to pull information
    "Next": "" // Start pulling from the position where the last pulling ends
}
```

Note

Only the community supports obtaining group member details in batches.

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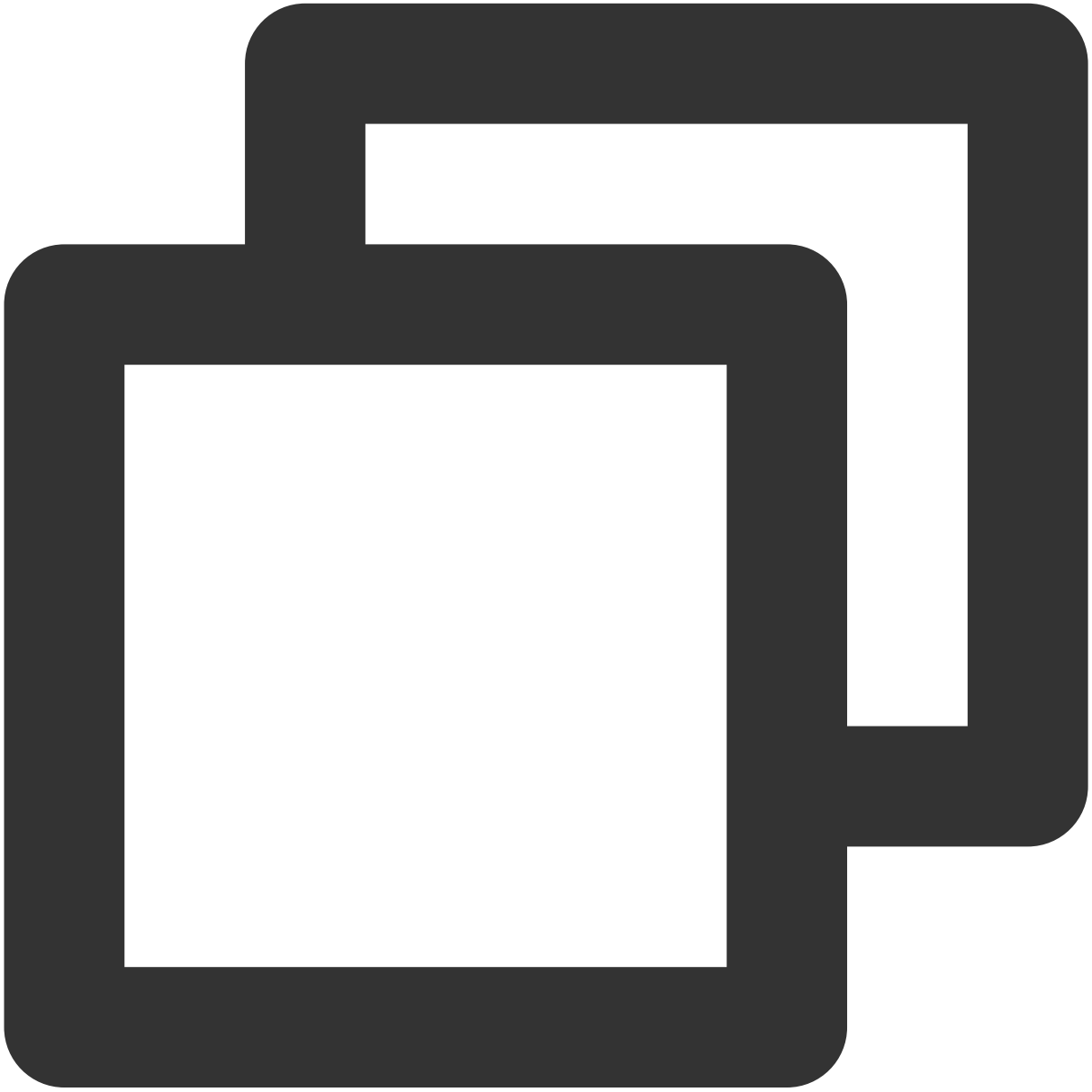
Specifying information to pull

You can use the `MemberInfoFilter` filter field to specify fields to pull. Fields that are not specified in it will not be pulled.



```
{
  "GroupId":"@TGS#1NVTZEAE4", // Group ID (required)
  "MemberInfoFilter": [ // Information to pull, where `Member_Account` is included
      "Role",
      "JoinTime",
      "MsgSeq",
      "MsgFlag",
```

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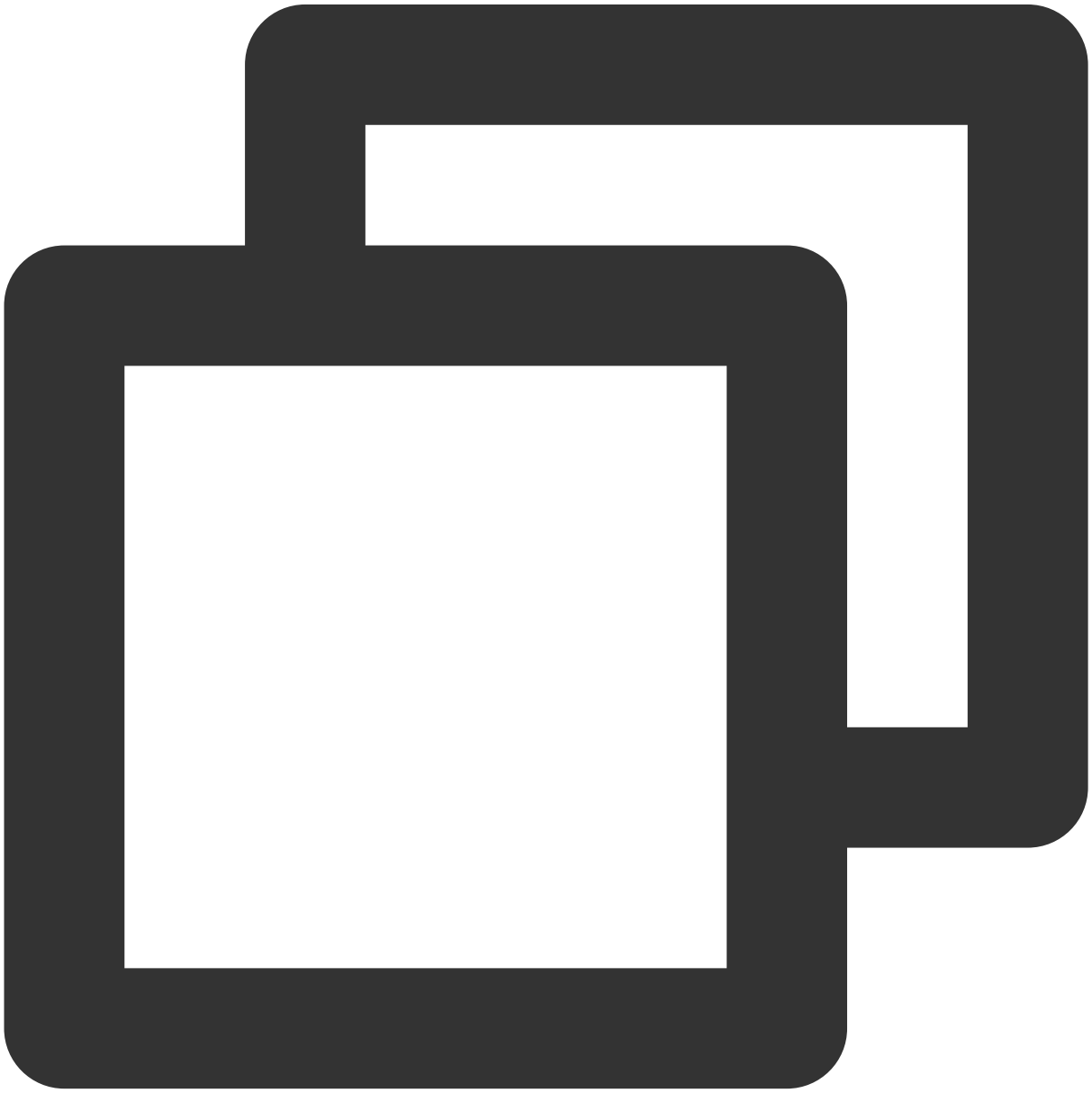
```
        "LastSendMsgTime",
        "MuteUntil",
        "NameCard"
    ]
}
```

Pulling the information of members in the specified role

You can use the `MemberRoleFilter` filter field to specify the role of members to pull information. If this field is not specified, the information of members in all roles will be pulled.



```
{
```

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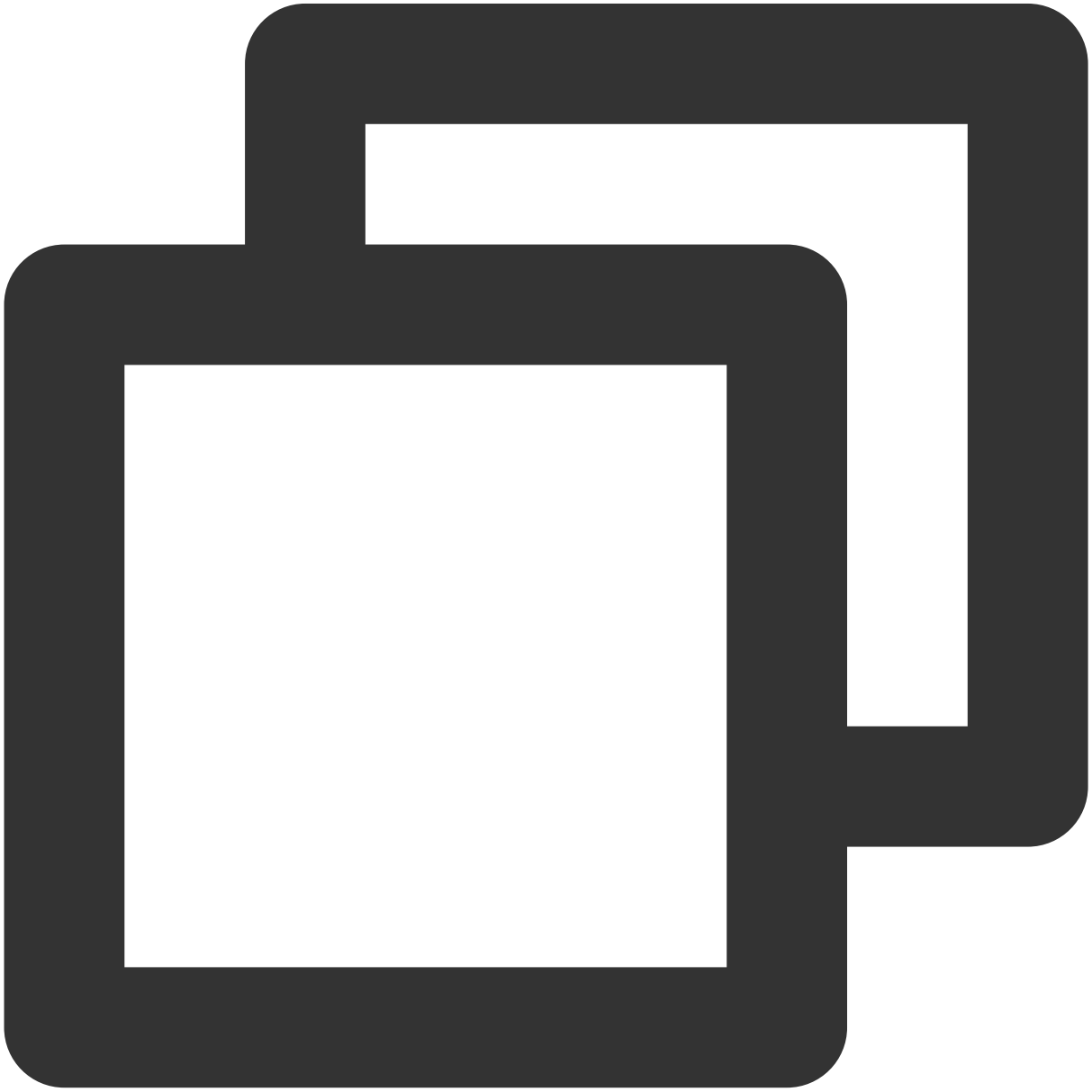
```
    "GroupId":"@TGS#37AB3PAEC", // Group ID (required)
    "MemberRoleFilter":[ // Member role filter
        "Owner",
        "Member"
    ]
}
```

Pulling custom group member fields

You can use the `AppDefinedDataFilter_GroupMember` filter field to specify the custom group member fields to pull. Fields that are not specified in it will not be pulled.



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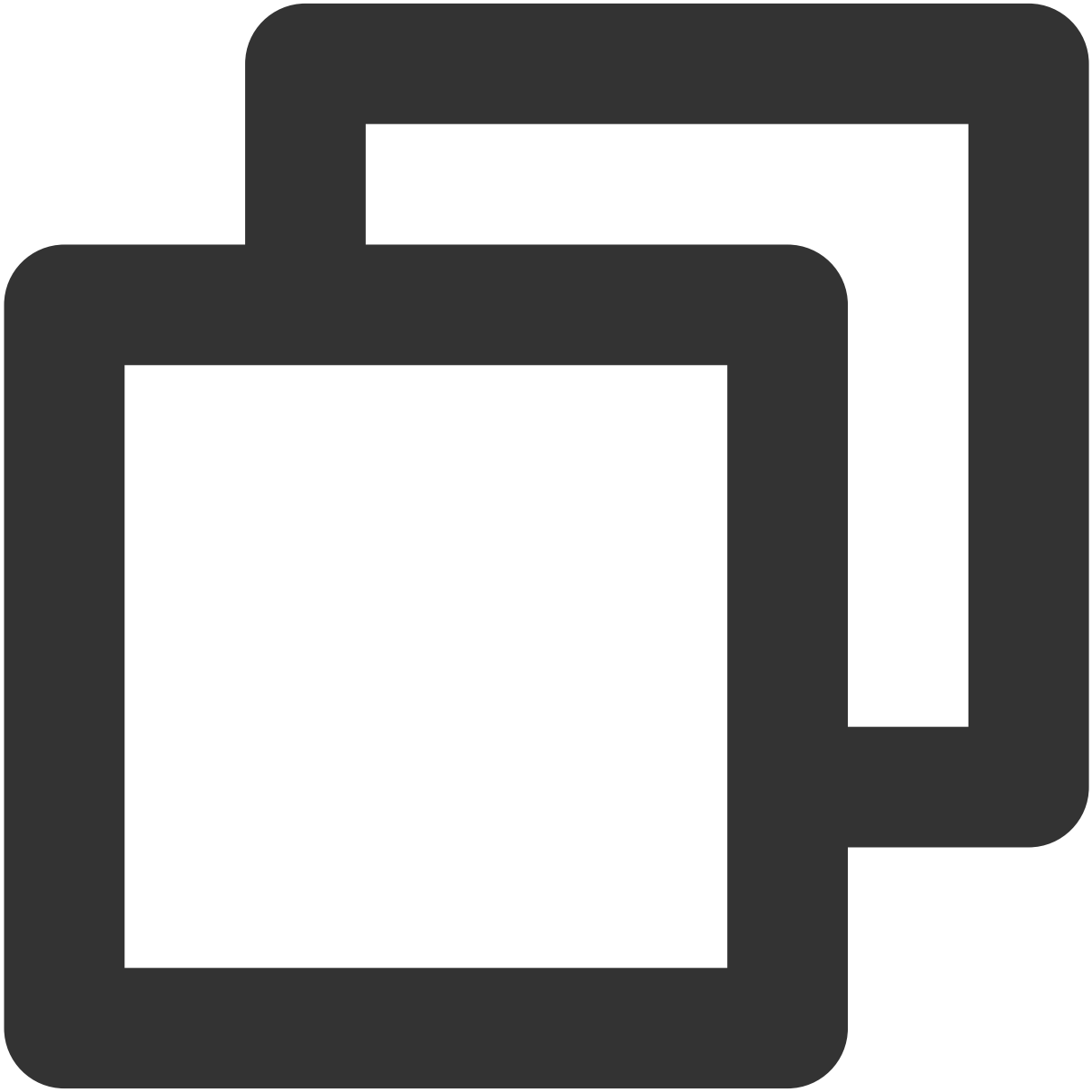
```
{
  "GroupId":"@TGS#37AB3PAEC", // Group ID (required)
  "AppDefinedDataFilter_GroupMember": [ // Filter for custom group member fields
      "MemberDefined2" // Key of a custom group member field
  ]
}
```

Response to an ALL IN ONE request



```
{
  "GroupId":"@TGS#1NVTZEAE4", // Group ID (required)
```

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```
   "MemberInfoFilter": [ // Information to pull. If this field is not specified, all
       "Role",
       "JoinTime",
       "MsgSeq",
       "MsgFlag",
       "LastSendMsgTime",
       "MuteUntil",
       "NameCard"
   ],
  "MemberRoleFilter":[ // Member role filter
       "Owner",
       "Member"
   ],
  "AppDefinedDataFilter_GroupMember": [ // Filter for custom group member fields
       "MemberDefined2", // Key of a custom group member field
       "MemberDefined1"
   ],
   "Limit": 100, // Maximum number of members to pull information
   "Offset": 0 // Sequence number of the member from whom to start pulling informati
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group to pull member information
MemberInfoFilter	Array	No	Information to pull. If this field is not specified, all group member information will be pulled. For details on group member information fields, see Group member profile.
MemberRoleFilter	Array	No	Role of group members to pull information. If this field is not specified, the information of members in all roles will be pulled. The member role can be `Owner`, `Admin`, or `Member`.
AppDefinedDataFilter_GroupMember	Array	No	This field is omitted by default. It specifies the custom group member fields to pull. For more information, see the **Custom Fields** section in Group System.
Limit	Integer	No	Maximum number of members to pull information at a time. The value cannot exceed 6000. If this field is not specified, the

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			information of all members in the group will be obtained.
Offset	Integer	No	Sequence number of the member from whom to start pulling information. If this field is set to `0`, the information is pulled starting from the first member.
Next	String	No	Position of the last member pulled. This field is required for a community group. A community group does not support the `Offset` field. It uses the `Next` field instead. For the first call, "" must be passed in for `Next`. For subsequent calls, the last value of `Next` must be passed in.

Sample response

Response to a basic or pagination request

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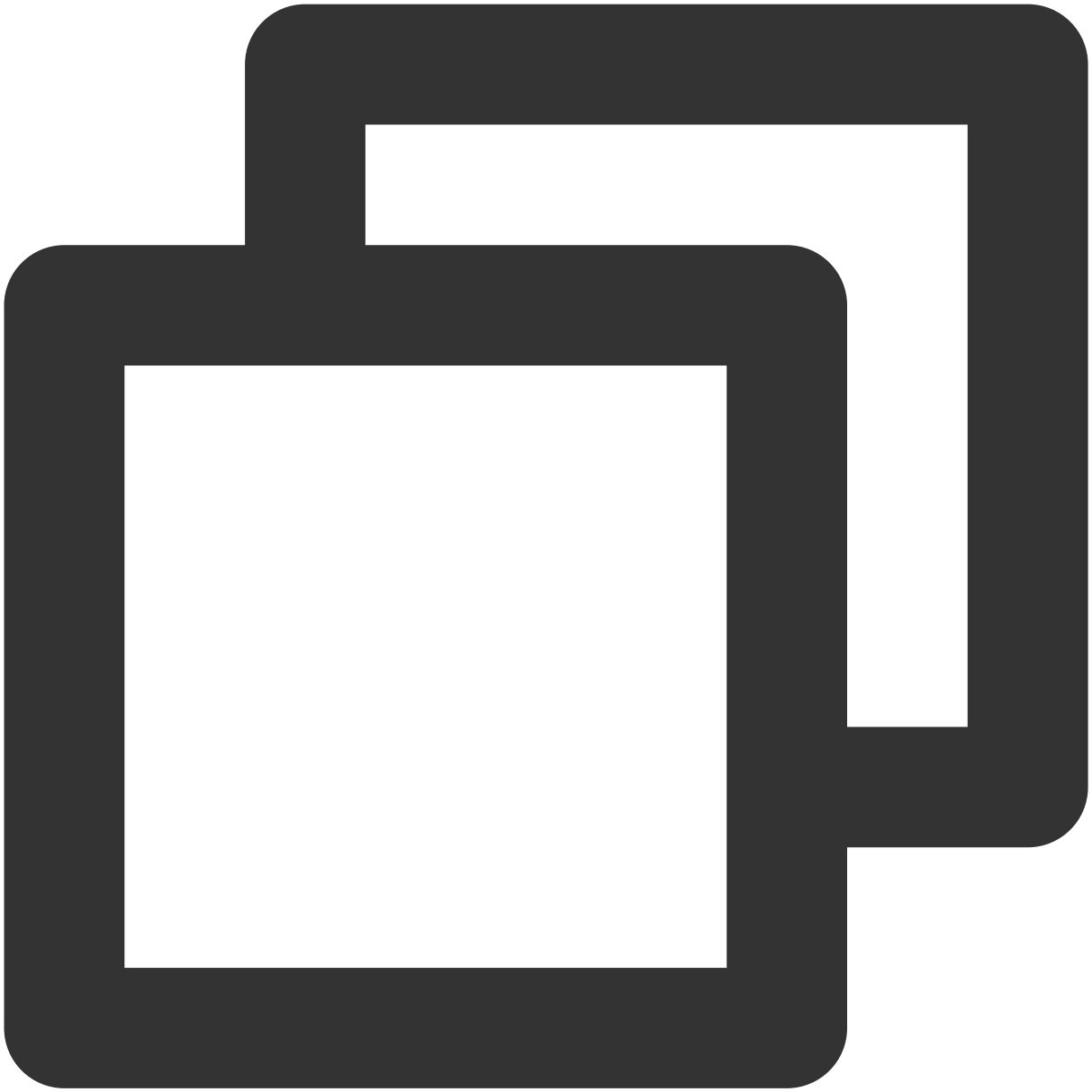

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "144115265295492787", // This field is returned only for a community grou
  "MemberNum": 2, // Total number of members in the group
  "MemberList": [ // Group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Time when the member joined the group
```

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```
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last time when the member sent a messag
            "MuteUntil": 1431069882, // Muting end time in seconds
            "AppMemberDefinedData": [ // Custom group member fields
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member ",
            "JoinTime": 1425976500,
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // `0`: the member is not muted; other values: the time w
            "AppMemberDefinedData": [ // Custom group member fields
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

Response to a request pulling specified fields

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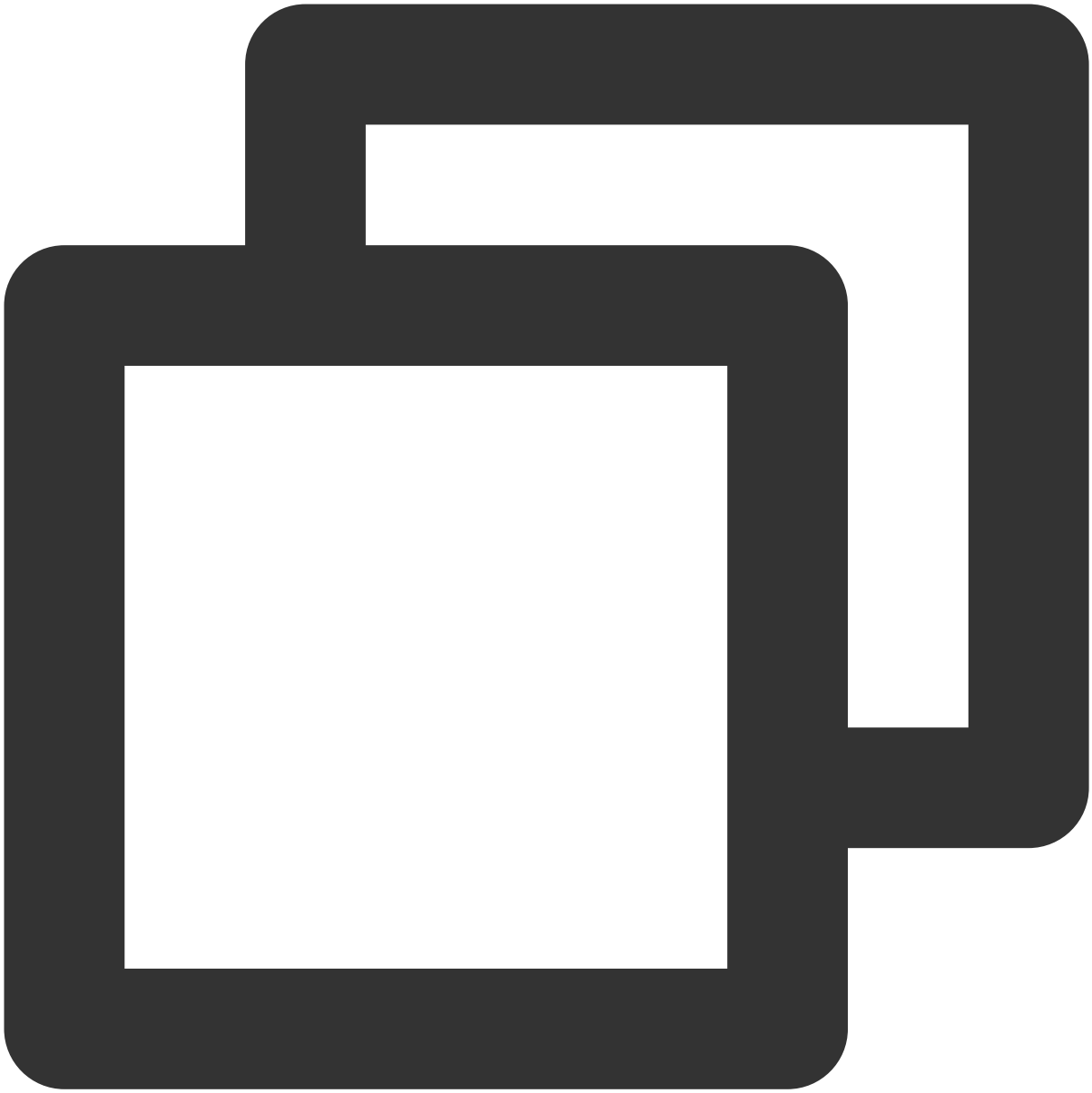

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "MemberNum": 2, // Total number of members in the group
  "MemberList": [ // Group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Time when the member joined the group
          "MsgSeq": 1233,
```

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```
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last time when the member sent a messag
            "MuteUntil": 1431069882, // Muting end time in seconds
        },
        {
            "Member_Account": "peter",
            "Role": "Member ",
            "JoinTime": 1425976500,
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // `0`: the member is not muted; other values: the time w
        }
    ]
}
```

Pulling the information of members in the specified role

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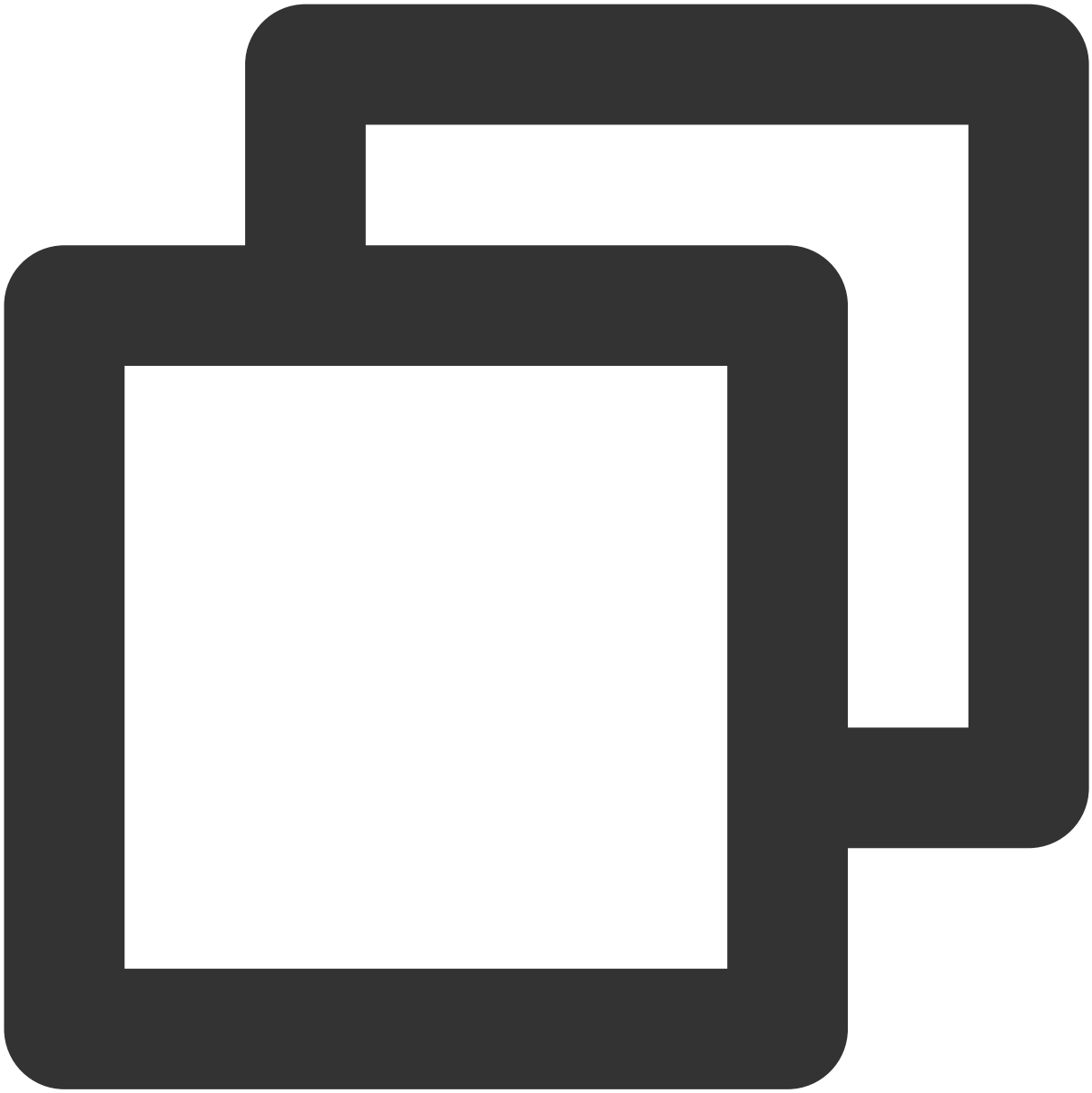

```
{
  "ActionStatus": "OK", // The request succeeded.
  "ErrorCode": 0, // Return code
  "MemberList": [
      {
          "JoinTime": 1450680436, // Time when the member joined the group
          "LastSendMsgTime": 0, // Last time when the member sent a message
          "Member_Account": "Test_1", // Member account
          "MsgFlag": "AcceptNotNotify", // Type of member messages being blocked
          "MsgSeq": 1, // Sequence number of the member's read message
          "NameCard": "", // Member's contact card
```

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```
            "Role": "Owner", // Member’s role
            "MuteUntil": 0 // `0`: the member is not muted; other values: the time wh
        },
        {
            "JoinTime": 1450680436,
            "LastSendMsgTime": 0,
            "Member_Account": "Test_6",
            "MsgFlag": "AcceptNotNotify",
            "MsgSeq": 1,
            "NameCard": "",
            "Role": "Admin",
            "MuteUntil": 0
        }
    ],
    "MemberNum": 8 // Total number of members in the group
}
```

Pulling custom group member fields

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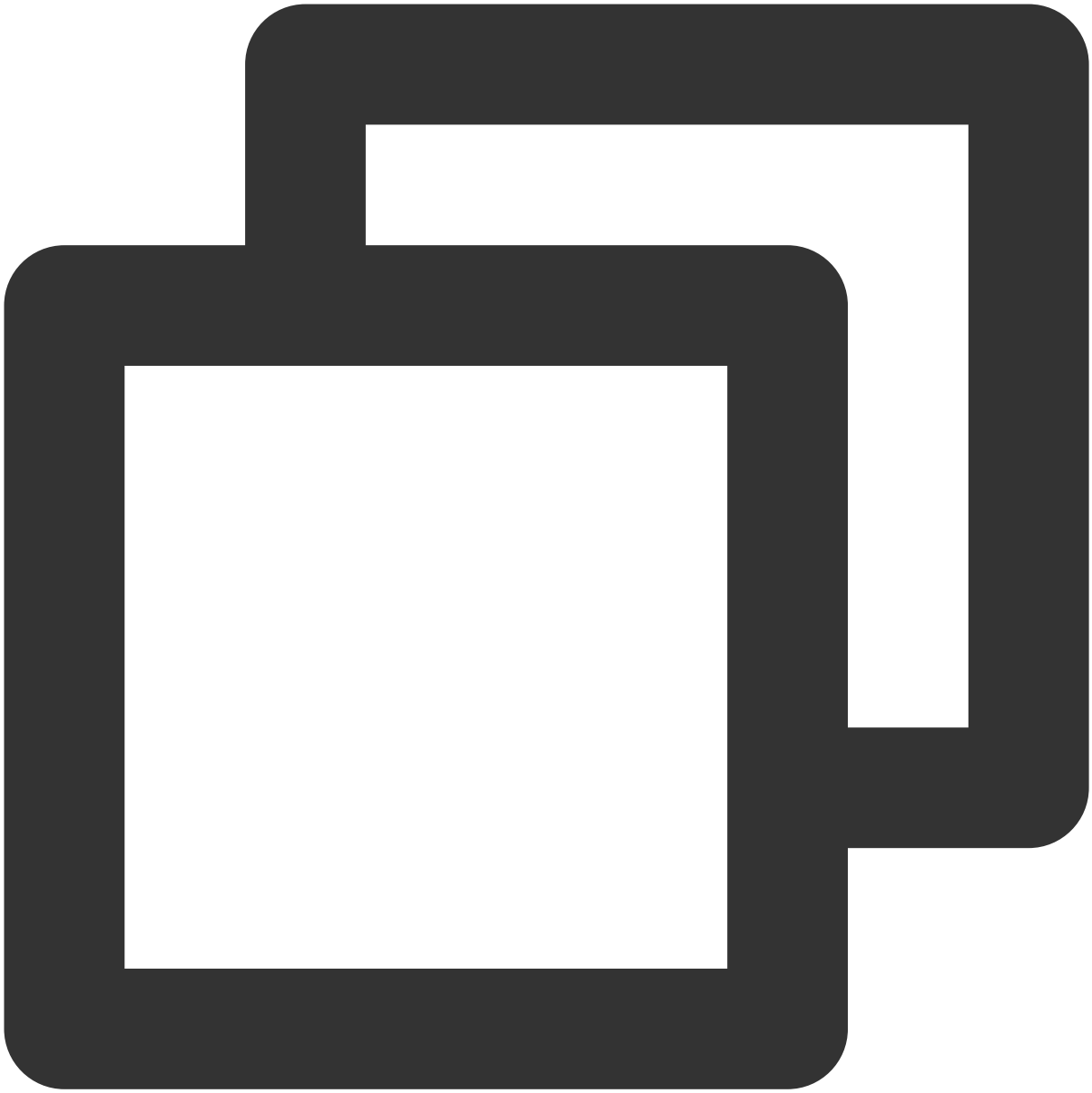

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "MemberNum": 2, // Total number of members in the group
  "MemberList": [ // Group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Time when the member joined the group
          "MsgSeq": 1233,
```

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```
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last time when the member sent a messag
            "MuteUntil": 1431069882, // Muting end time in seconds
             "AppMemberDefinedData": [ // Custom group member fields
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member",
            "JoinTime": 1425976500,
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // `0`: the member is not muted; other values: the time w
            "AppMemberDefinedData": [ // Custom group member fields
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

Response to an ALL IN ONE request

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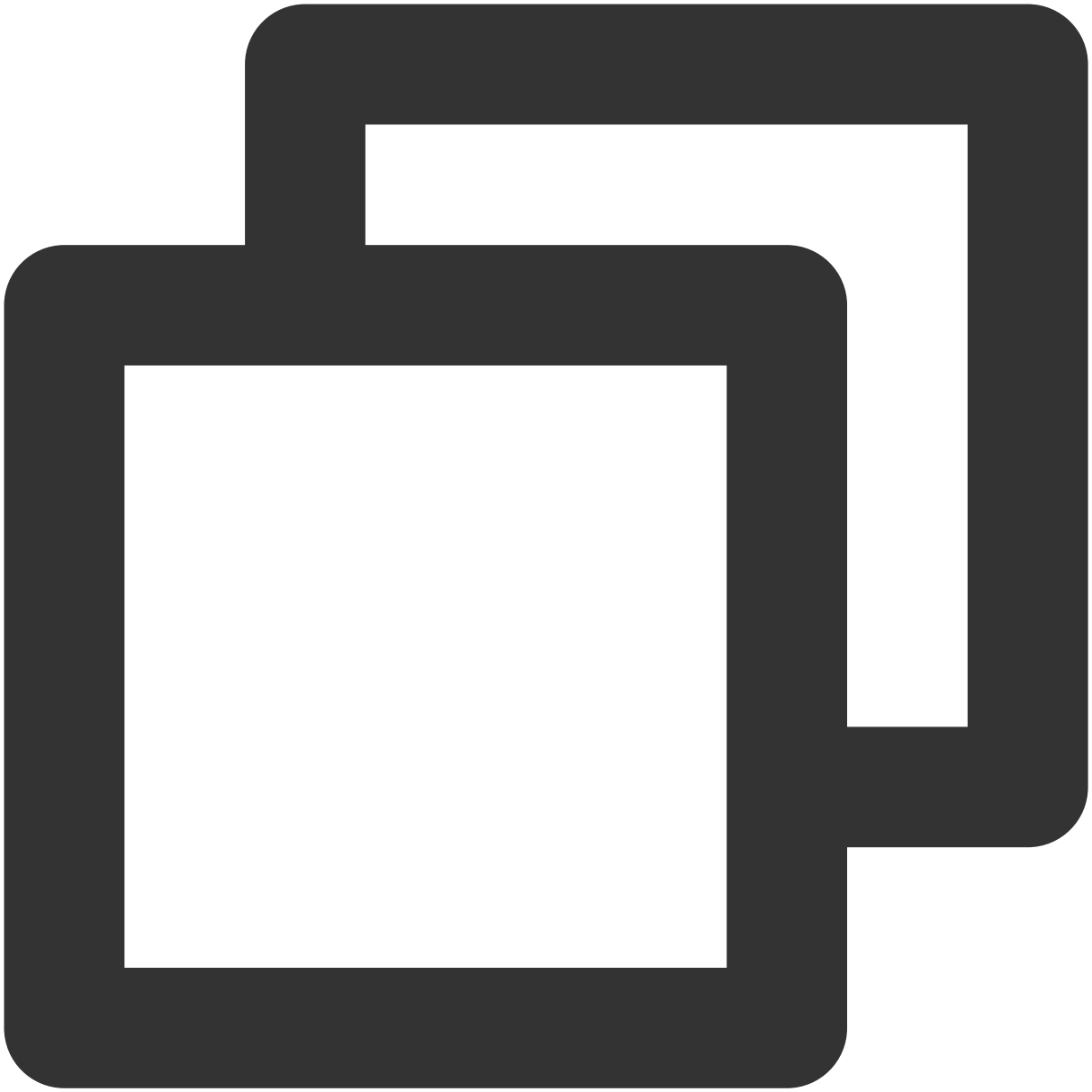

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "144115265295492787", // This field is returned only for a community grou
  "MemberNum": 2, // Total number of members in the group
  "MemberList": [ // Group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Time when the member joined the group
```

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```
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last time when the member sent a messag
            "MuteUntil": 1431069882, // Muting end time in seconds
            "AppMemberDefinedData":[ // Custom group member fields
                {
                   "Key":"MemberDefined1",
                   "Value":"ModifyDefined1"
                },
                {
                    "Key":"MemberDefined2",
                    "Value":"ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member",
            "JoinTime": 1425976500,
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // `0`: the member is not muted; other values: the time w
            "AppMemberDefinedData": [ // Custom group member fields
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed
ErrorInfo	String	Error information

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MemberNum	Integer	Total number of members in the group
MemberList	Array	Returned group member list, which contains information of all or specified group members. For details on group member information fields, see Group member profile.
AppMemberDefinedData	Array	Returned custom group member fields
Next	String	Value of `Next` to be passed in in the next request. This field is returned only for a community group.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), please see Error Codes.
The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. Check whether the operator is an app admin or whether the operator has the permission to read the fields in the request.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.
10018	The response exceeds the maximum size allowed (1 MB) because the group member data volume is too large. Try to use `Limit` and `Offset` to pull the group member data by page.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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References

Modifying the Profile of a Group Member (v4/group_open_http_svc/modify_group_member_info)

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Modifying the Profile of a Group Member

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to modify the profile of a group member.

API Call Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	No
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

Audio-video groups (AVChatRoom) do not store group member profiles and therefore do not allow member profile modification.

Sample request URL

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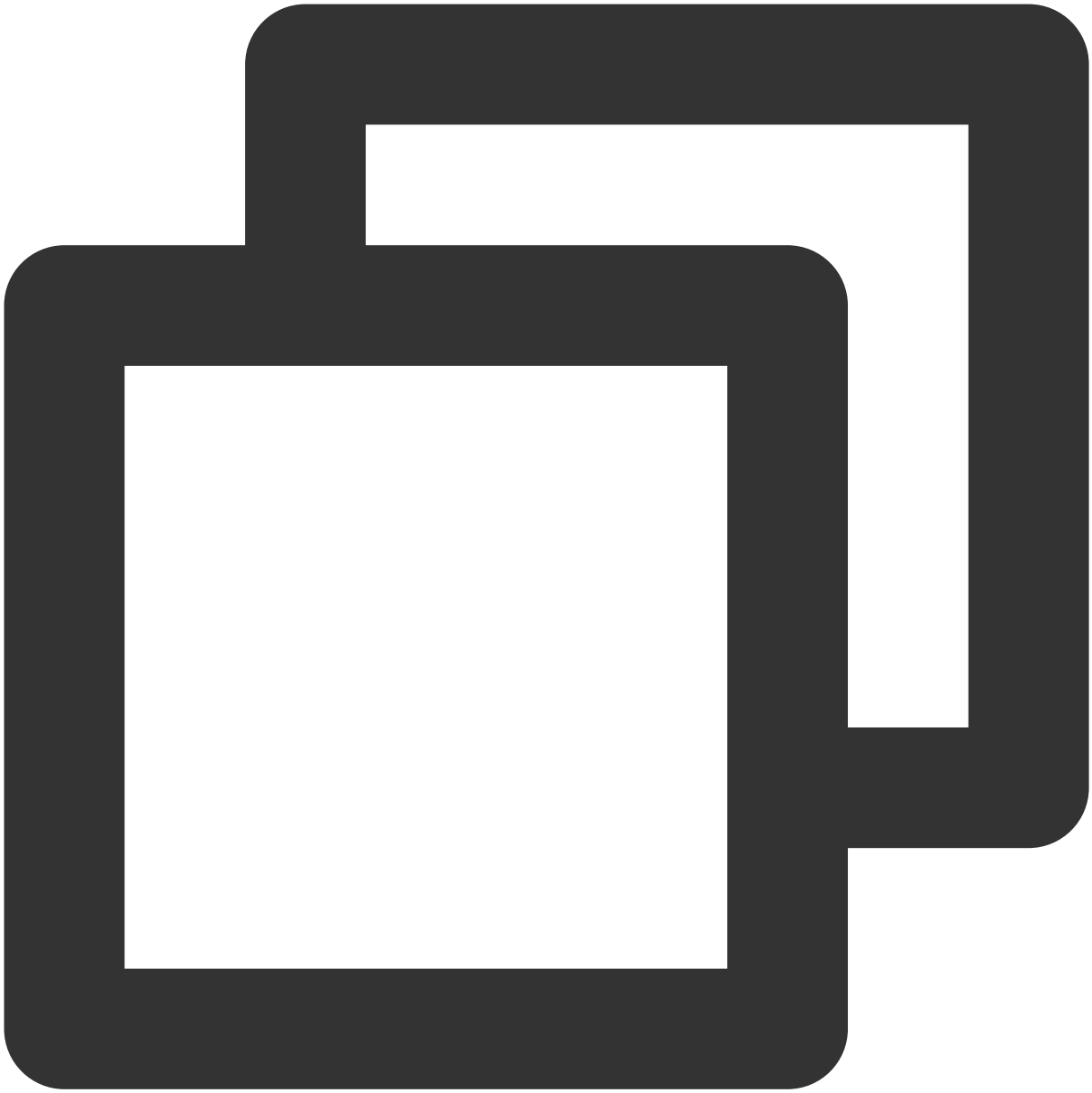

```
https://xxxxxx/v4/group_open_http_svc/modify_group_member_info?sdkappid=88888888&id
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_member_info	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Set an admin

Set a specified group member as an admin.

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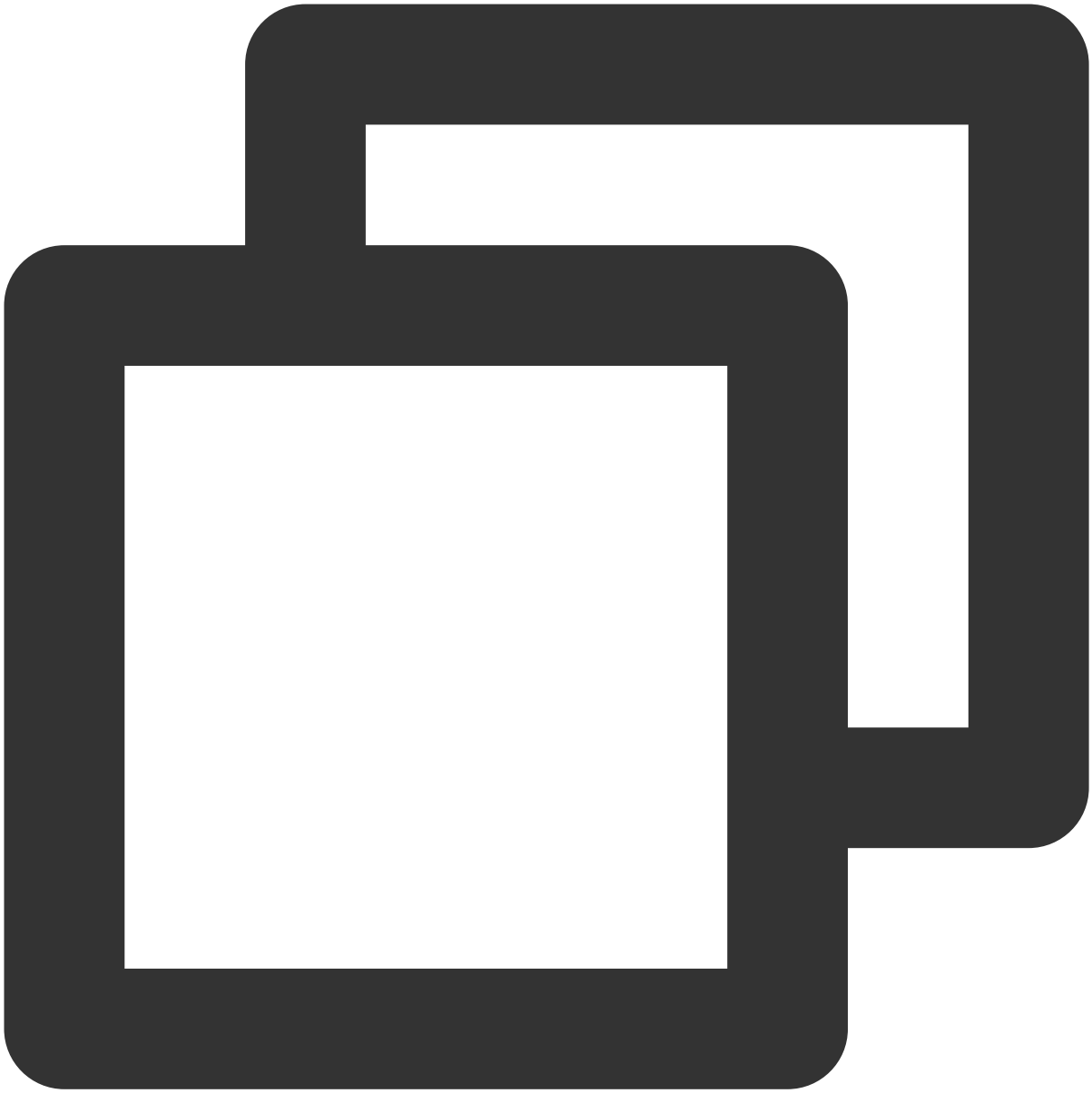

```
{
  "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
  "Member_Account": "bob",  // Target group member (required)
  "Role": "Admin" // Set as an admin
}
```

Cancel an admin

Revoke a specified group member's admin role.

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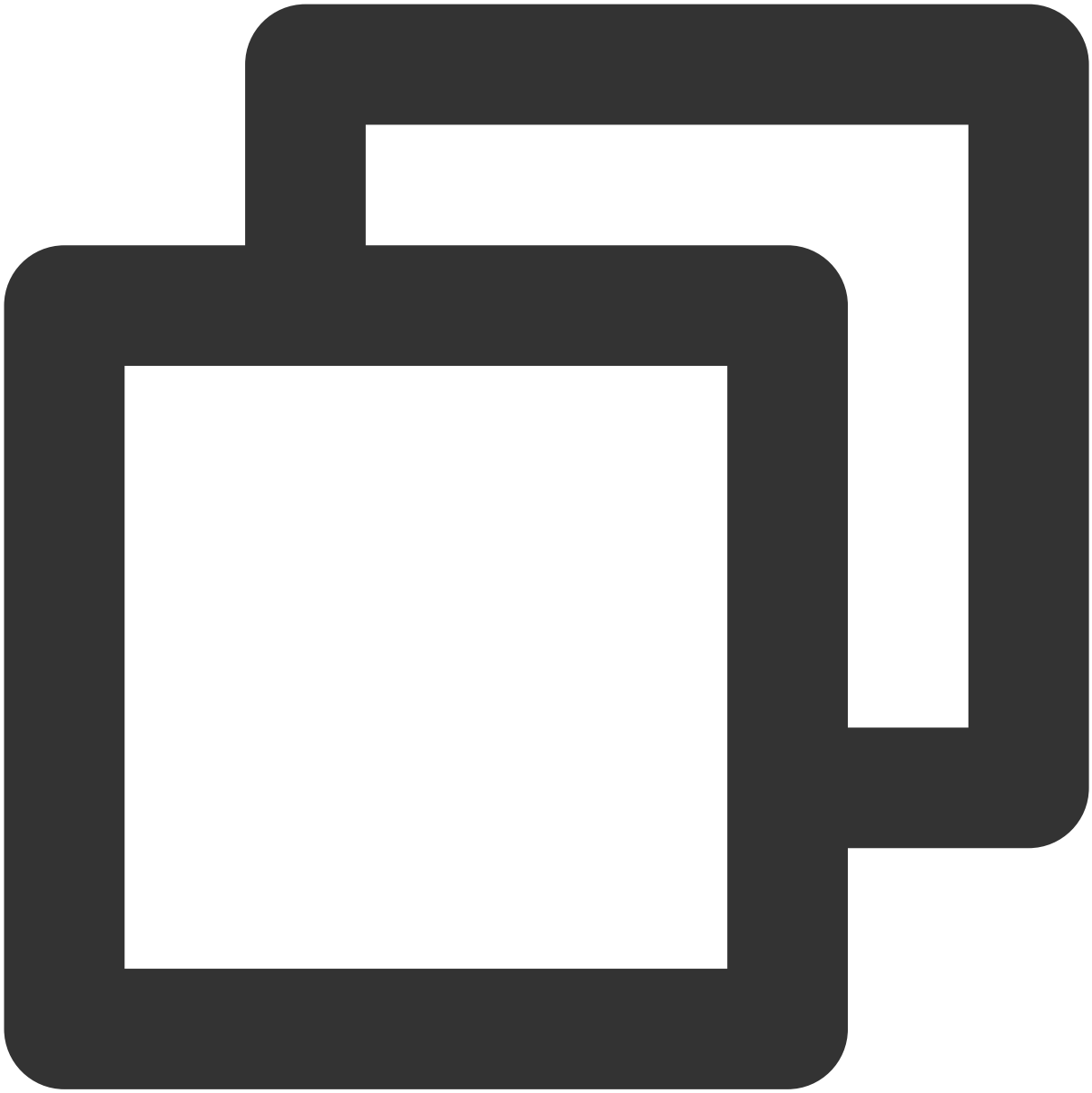

```
{
  "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
  "Member_Account": "bob",  // Target group member (required)
  "Role": "Member" //Cancel the admin role
}
```

Set a member's message blocking type

Set a specified member's message blocking type, whose possible values are as follows. AcceptAndNotify: accept and notify. Discard: neither accept nor notify. AcceptNotNotify: accept but do not notify.

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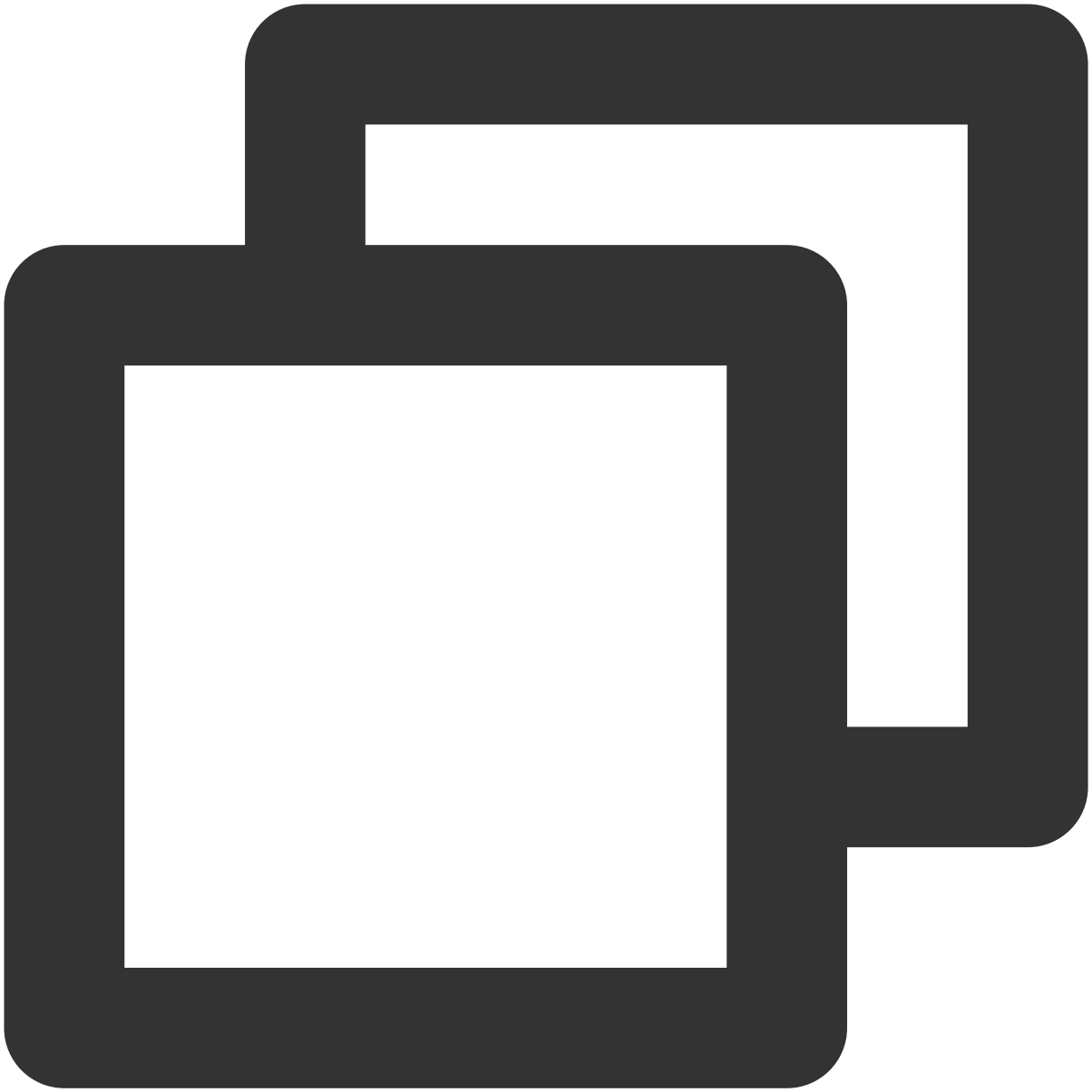

```
{
  "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
  "Member_Account": "bob",  // Target group member (required)
  "MsgFlag": "AcceptAndNotify" // Message blocking type, which can be AcceptAndNoti
}
```

Set a member's group name card

Set a specified user's group name card, whose maximum length is 50 bytes.

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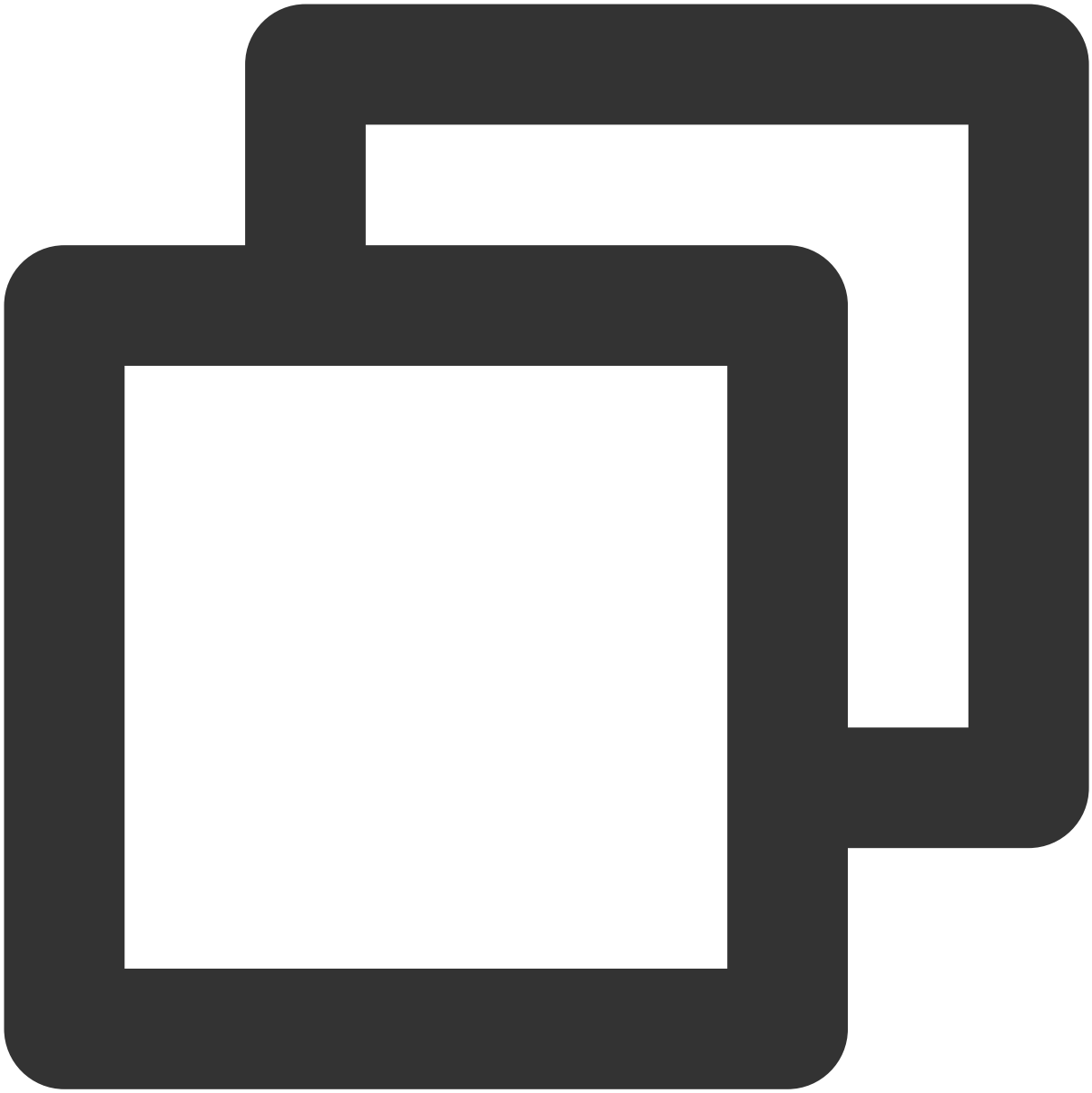

```
{
  "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
  "Member_Account": "bob",  // Target group member (required)
  "NameCard": "bob" // Group name card (optional)
}
```

Set member custom fields

Set group member custom fields. By default, AppMemberDefinedData is not available and needs to be enabled in the Chat console before use. For details, see the description table for request fields.

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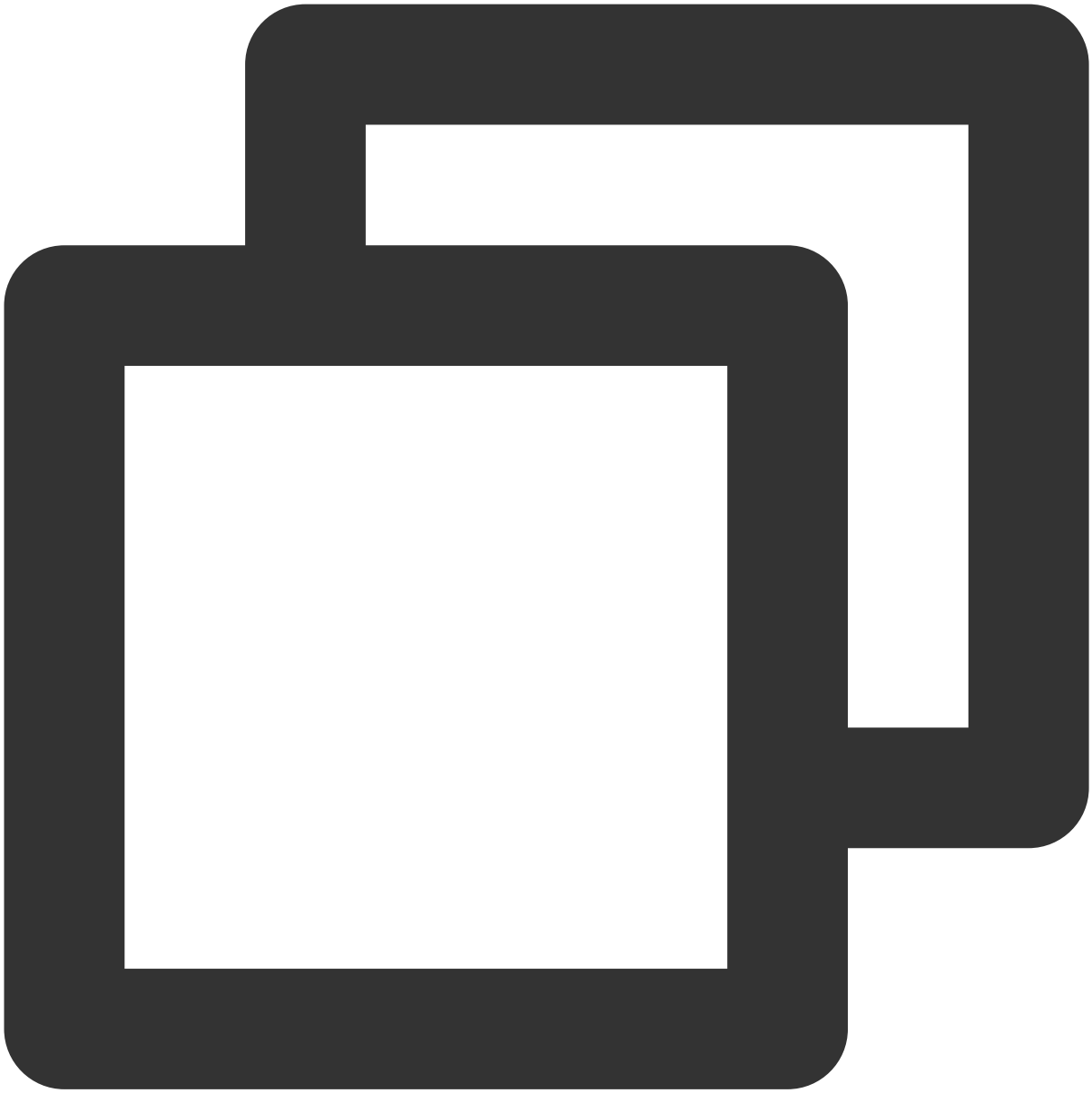

```
{
  "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
  "Member_Account": "bob",  // Target group member (required)
  "AppMemberDefinedData": [ // Target member custom field (optional)
      {
          "Key":"MemberDefined1", // Key of the target group member custom field
          "Value":"ModifyData1" // Value of the key
      },
      {
          "Key":"MemberDefined3",
          "Value":"ModifyData3"
```

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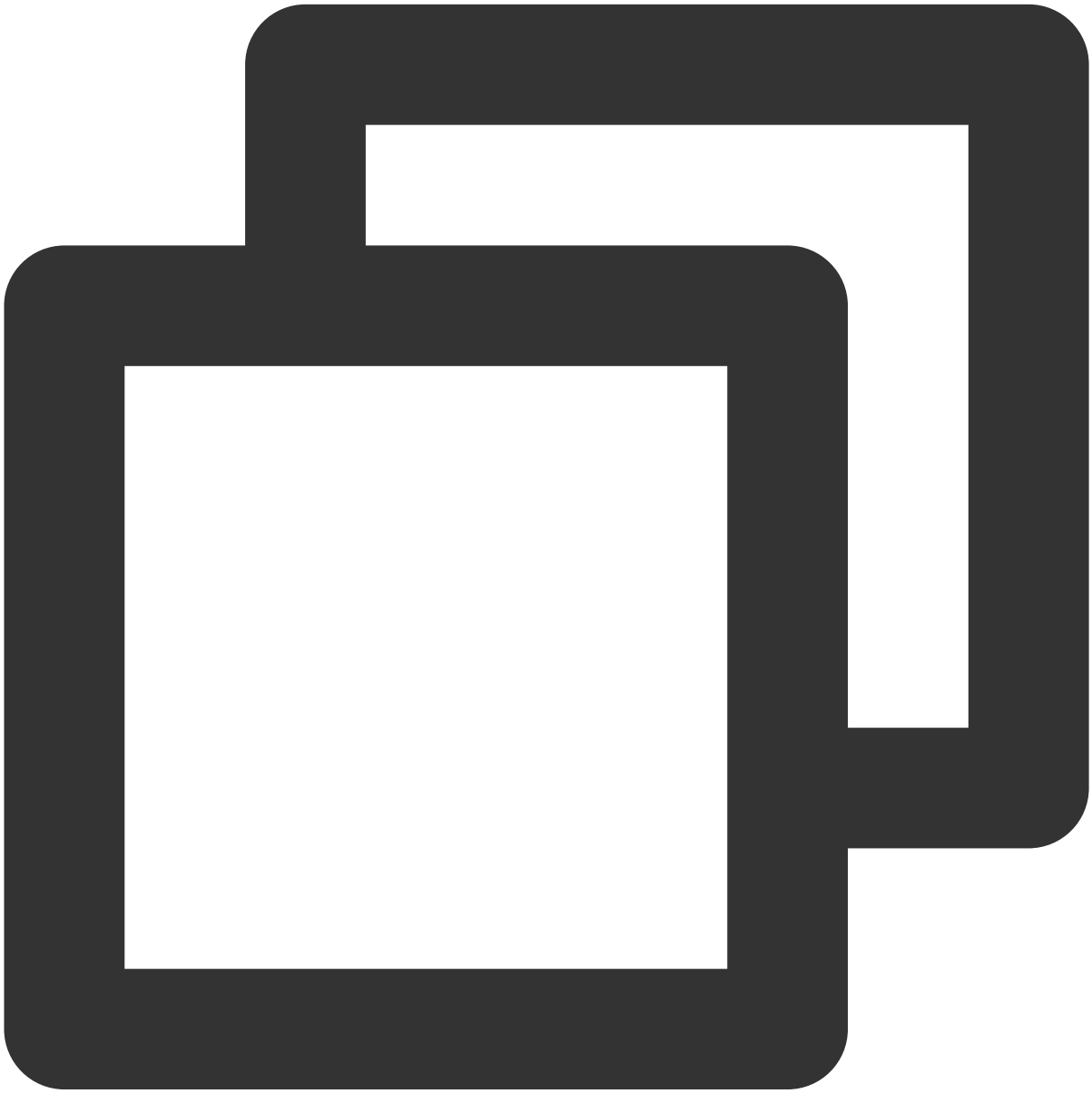
```
        }
    ]
}
```

Set a group member's muting period

Set a specified group member's muting period.



```
{
    "GroupId": "@TGS#2CLUZEAEJ",  // Target group (required)
    "Member_Account": "bob",  // Target group member (required)
    "MuteTime":86400 // Muting period for the specified user, in seconds
```

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```
}
```

Note

Private groups (same as Work groups in the new version) do not support muting group users.

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the Group whose historical messages will be modified
Member_Account	String	Required	Target group member.
Role	String	Optional	Role of the member. `Admin` : Set as an admin. `Member` : Cancel the admin role. (The group owner identity cannot be modified.)
MsgFlag	String	Optional	Message blocking type.
NameCard	String	Optional	Group name card (with a maximum length of 50 bytes).
AppMemberDefinedData	Array	Optional	Group member custom field. By default, this field is not available and needs to be enabled in the Chat console. For details, see Group System.
MuteTime	Integer	Optional	Muting period, in seconds. `0` : Unmute

Sample response

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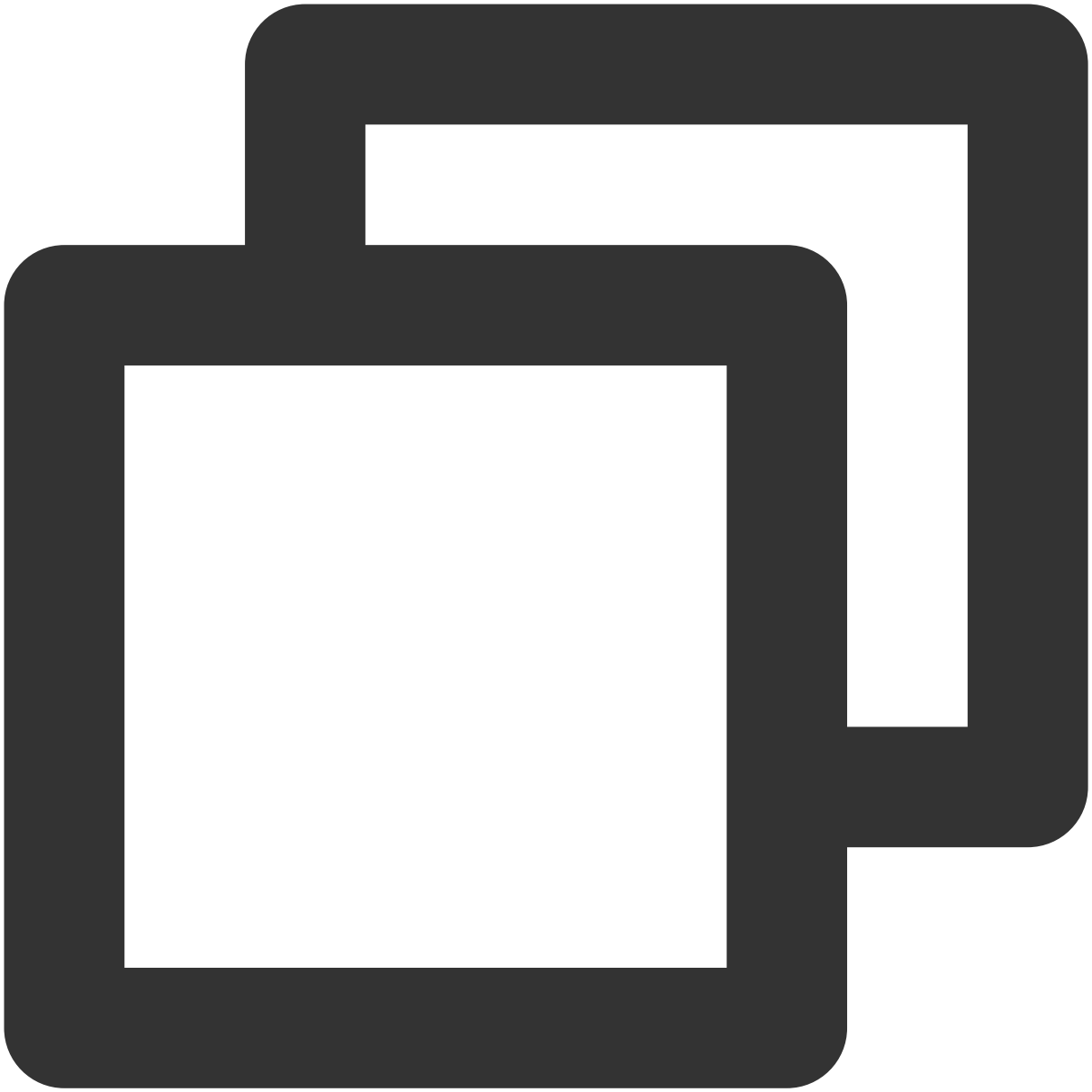

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful. `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. For example, a common member in a public group tries to remove other users from the group, but only the app admin can do so.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.

API Debugging Tool

Use the online debugging tool for RESTful APIs to debug this API.

References

Obtaining detailed information on group members (v4/group_open_http_svc/get_group_member_info)

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Group Custom Attributes
Getting Group Custom Attributes

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to get custom group attributes.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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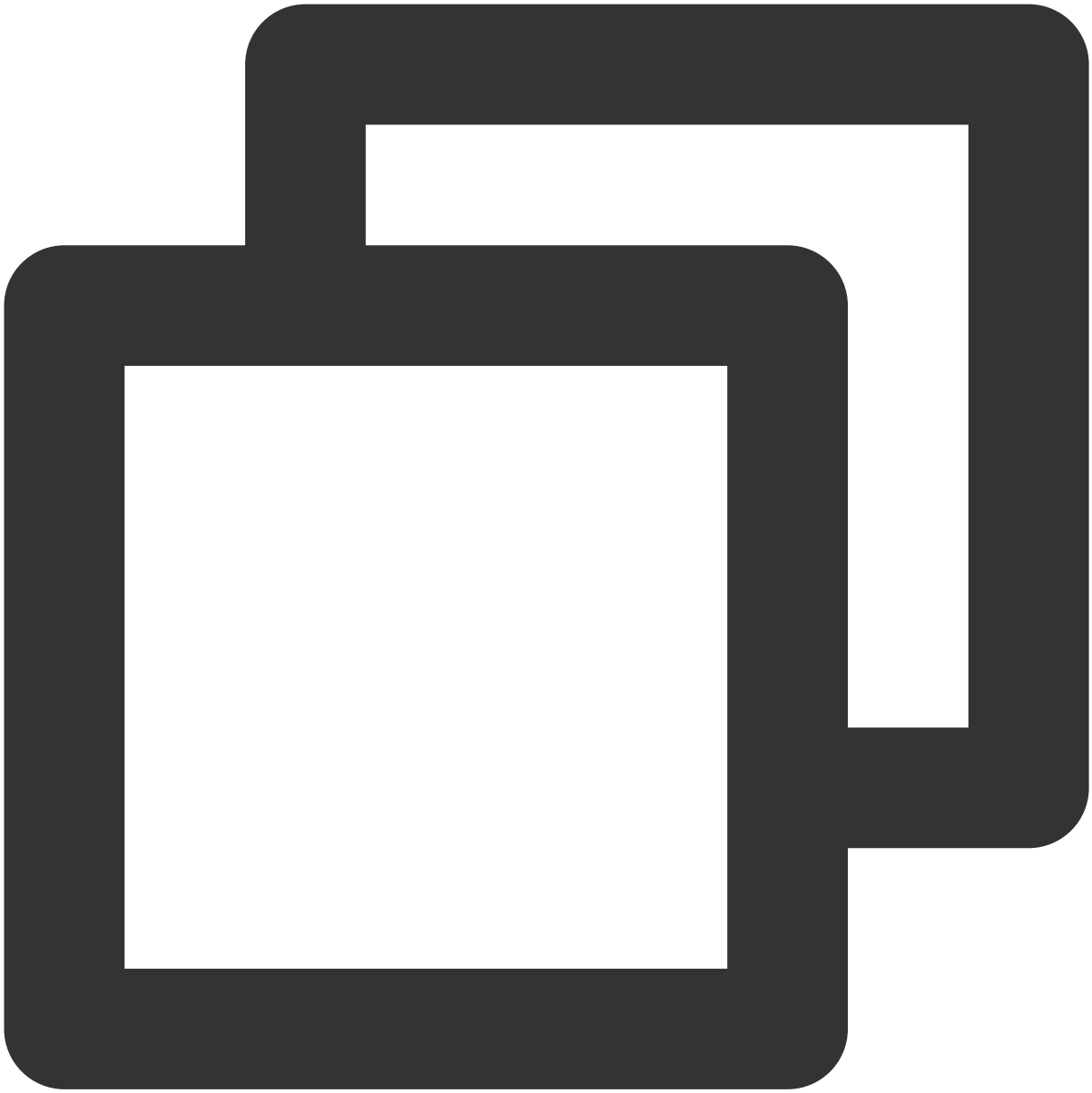

```
https://xxxxxx/v4/group_open_attr_http_svc/get_group_attr?sdkappid=88888888&identif
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_attr_http_svc/get_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Getting Custom Group Attributes

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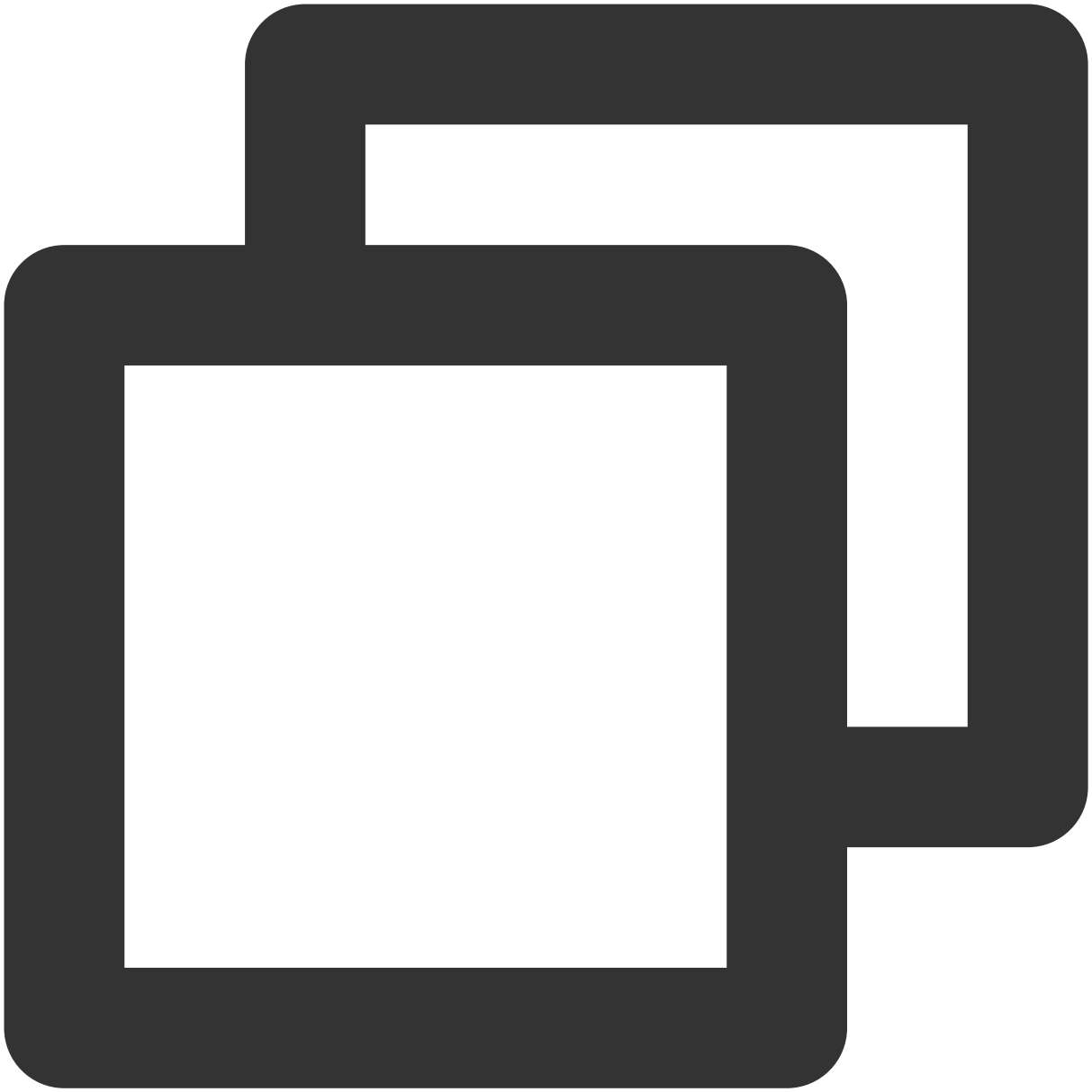

```
{
  "GroupId": "@TGS#aC5SZEAEF"
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the group for which you want to get custom attributes

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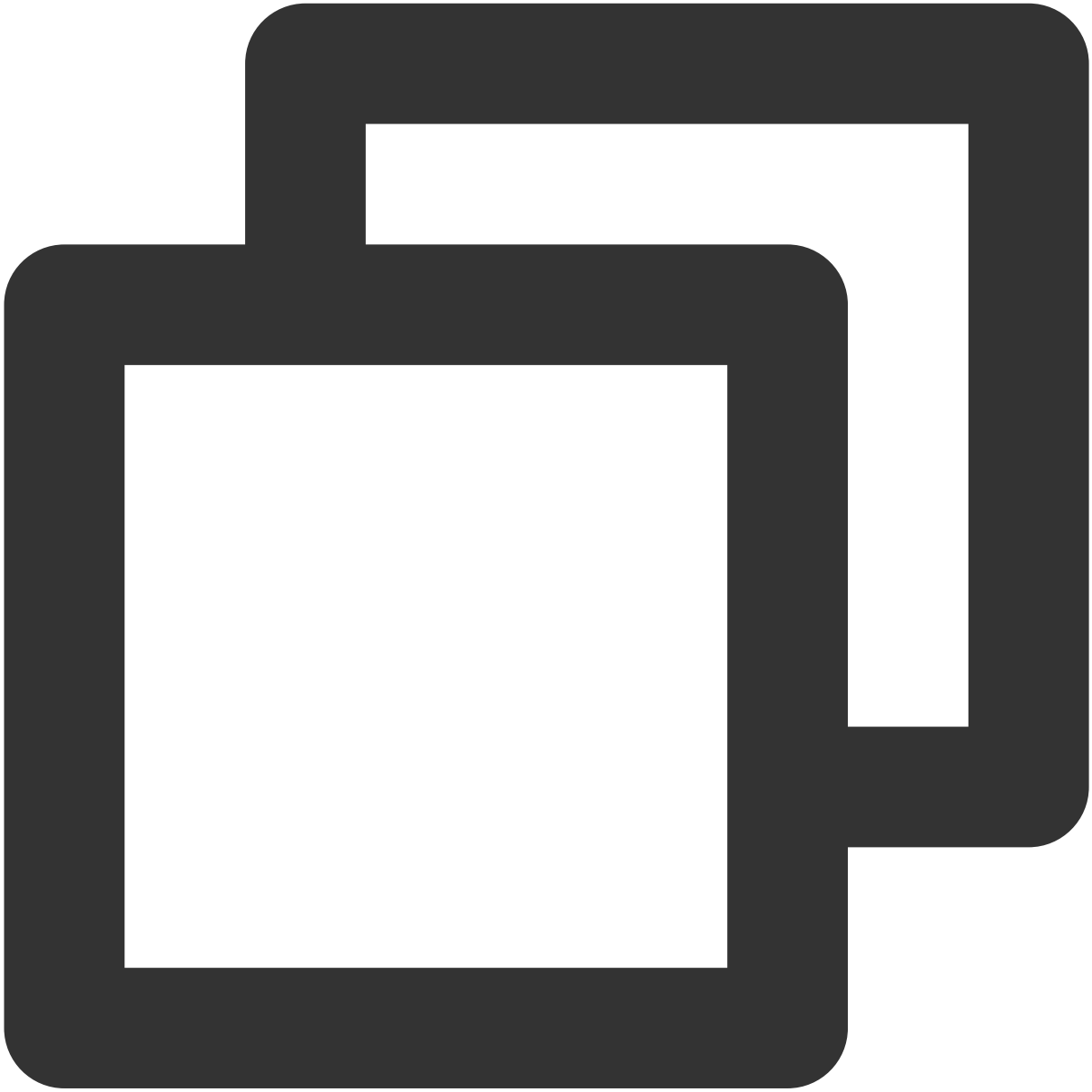
Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupAttrAry": [
        {
            "key": "attr_key1",
            "value": "attr_val1"
        },
```

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```
            {
                "key": "attr_key2",
                "value": "attr_val2"
            }
        ]
    }
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupAttrAry	Array	Key value pair for custom attributes

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. A group of this type does not support custom attributes.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.

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Modifying Group Custom Attributes

Last updated：2024-07-16 11:16:00

Feature Overview

This API is used by the app admin to modify custom group attributes.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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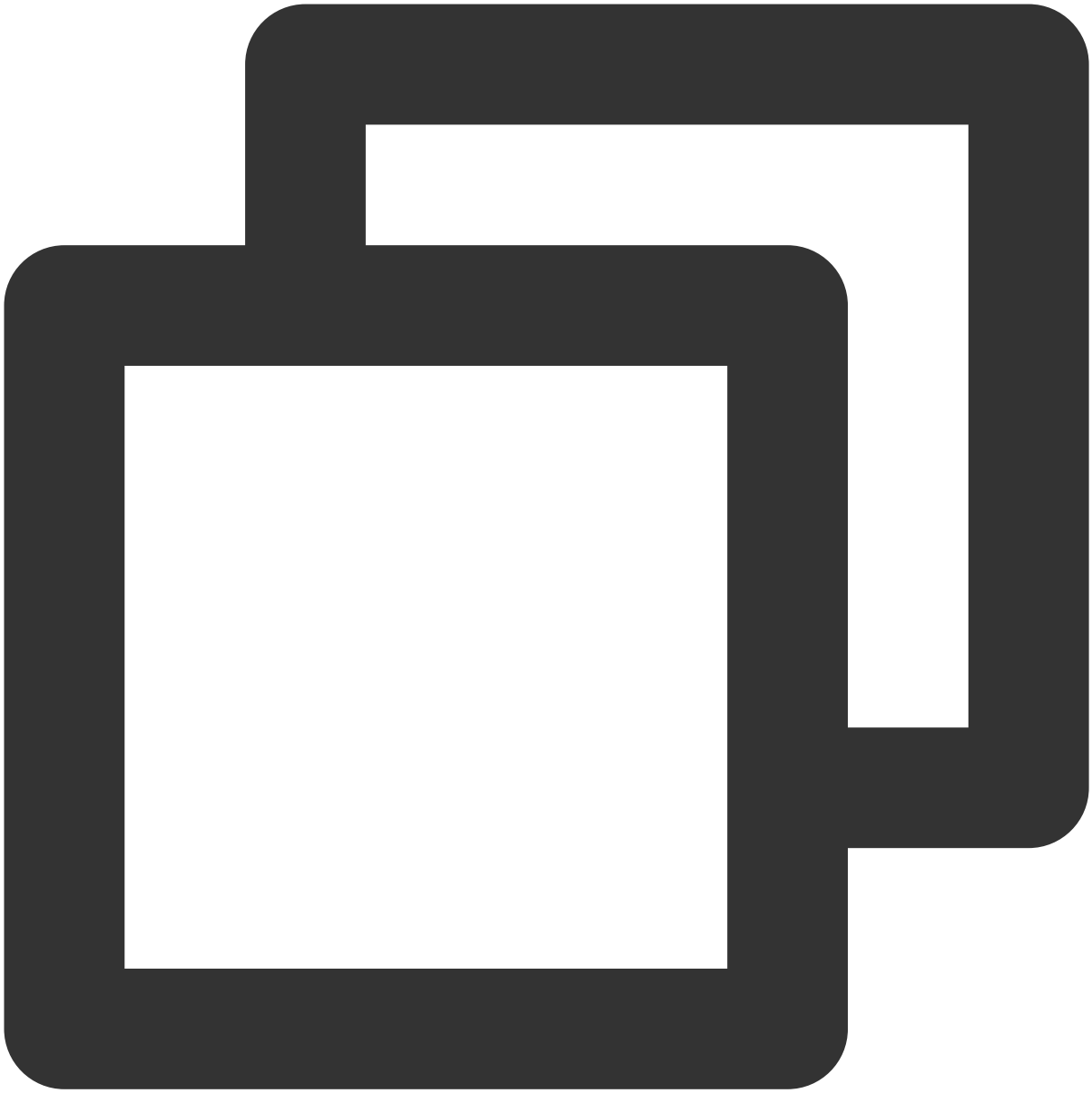

```
https://xxxxxx/v4/group_open_http_svc/modify_group_attr?sdkappid=88888888&identifie
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Modify custom attributes of a group.

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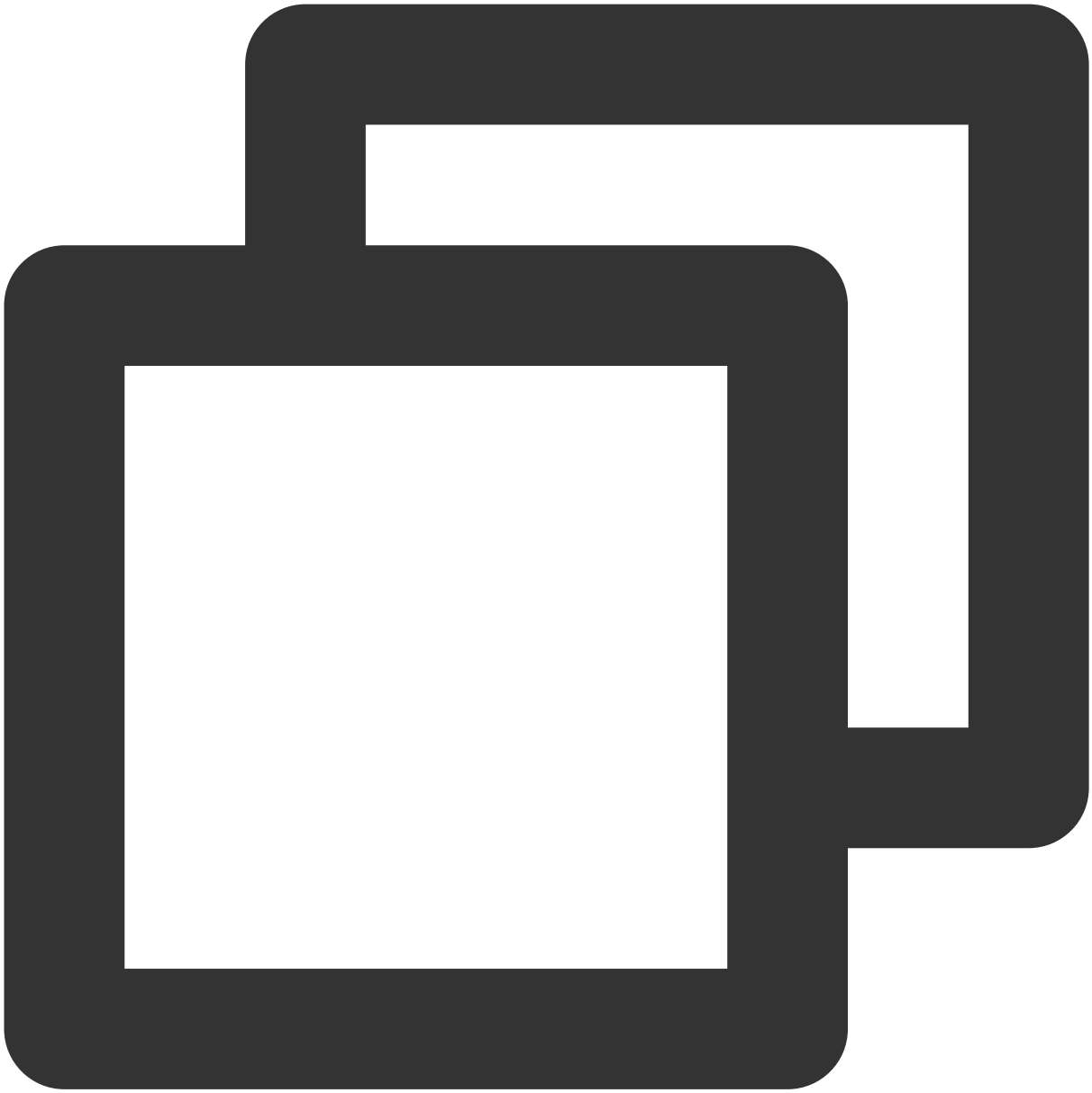

```
{
  "GroupId": "@TGS#aC5SZEAEF",
  "GroupAttr":[
      {
          "key":"attr_key", //Attribute key
          "value":"attr_val" //Attribute value
      },
      {
          "key":"attr_key1",
          "value":"attr_val1"
      }
```

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```
    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group for which you want to modify custom attributes
GroupAttr	Array	Yes	List of custom attributes. `key` : Key of the custom attribute, which can be up to 32 bytes in length. Up to 16 keys are supported. `value` : Value of the custom attribute, which can be up to 4,000 bytes in length.

Sample response

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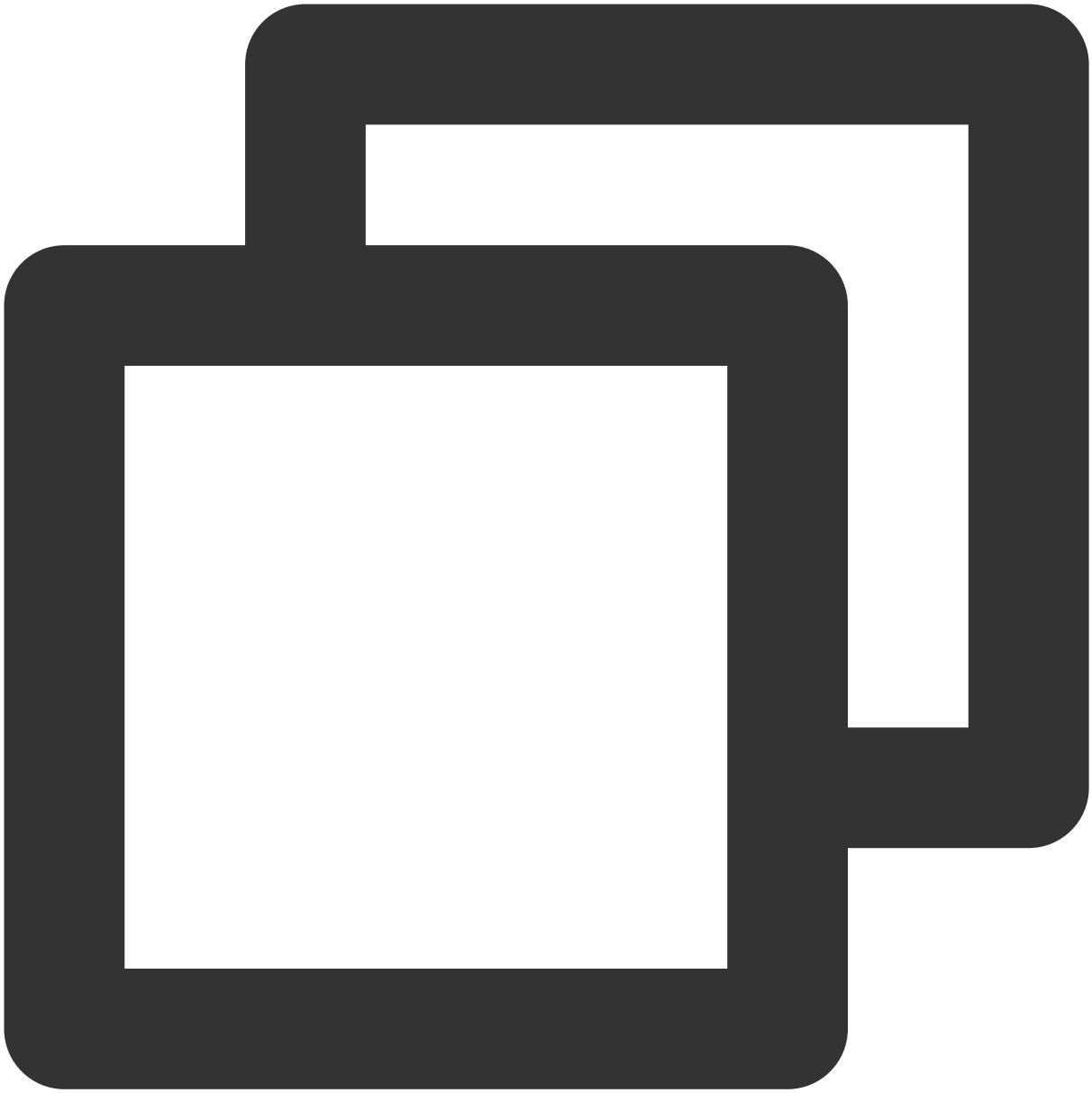

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a group of this type does not support custom attribute operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.
10045	The size of the custom attribute key exceeds the limit of 32 bytes.
10046	The size of the custom attribute value exceeds the limit of 4000 bytes.
10047	The number of custom attribute keys exceeds the limit of 16.
10048	The total size of custom attribute values exceeds the limit of 16000 bytes.
10049	The frequency of writing custom attributes to a group exceeds the limit. You can add, delete, or modify them for up to 5 times per second.

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Clearing Group Custom Attributes

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to clear custom group attributes.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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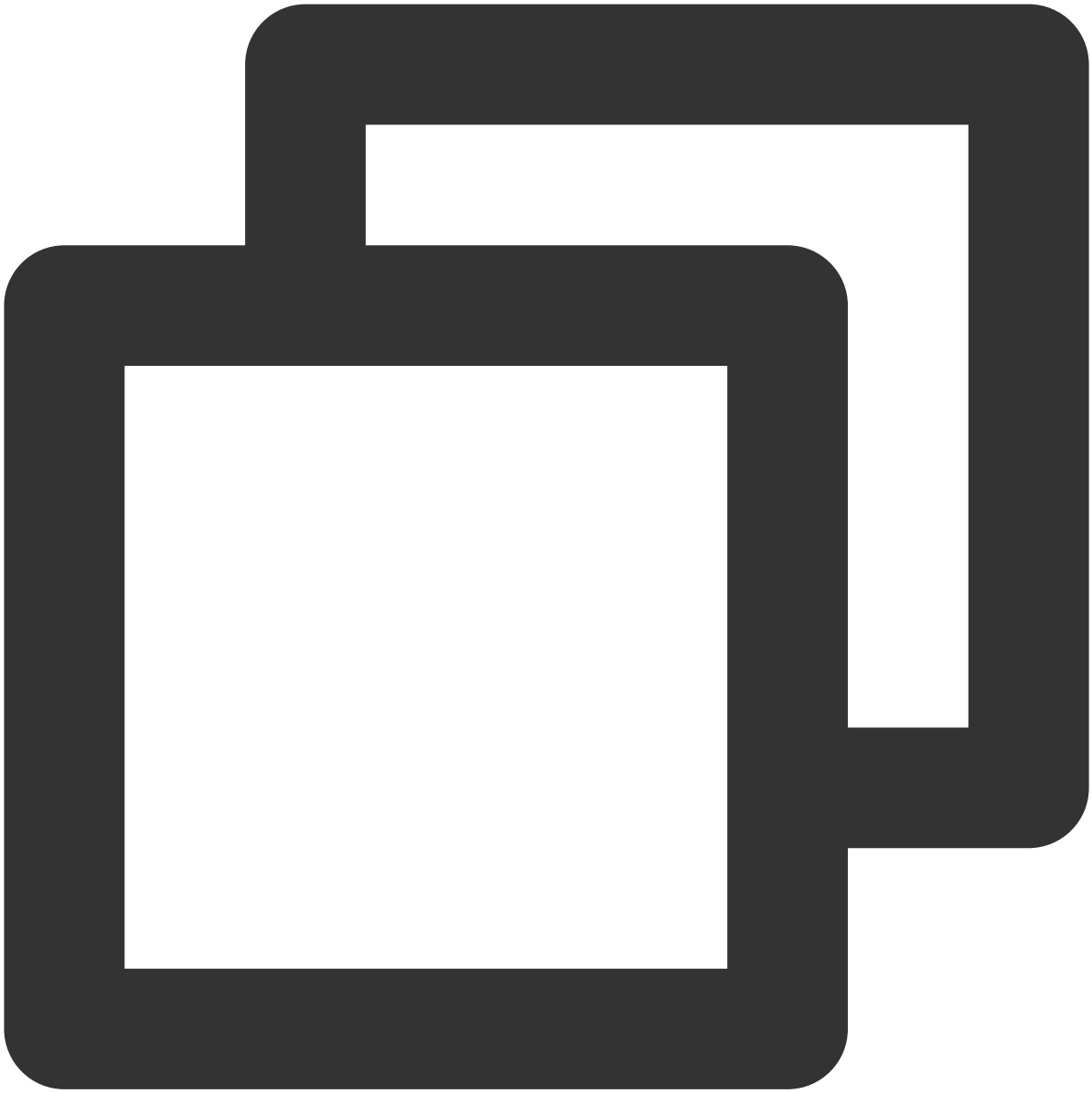

```
https://xxxxxx/v4/group_open_http_svc/clear_group_attr?sdkappid=88888888&identifier
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/clear_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

Basic format

Clear the custom attributes of a group:

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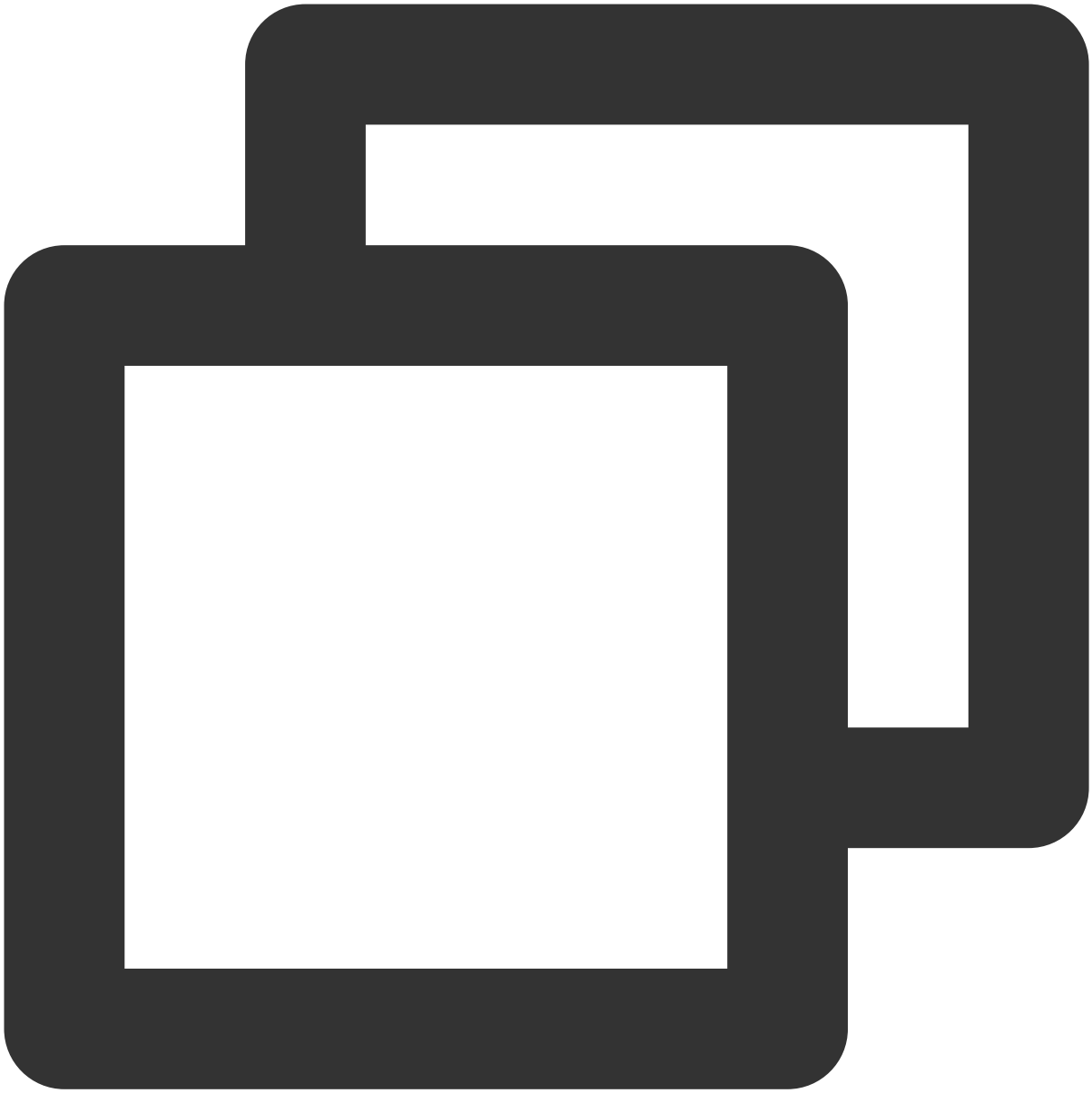

```
{
    "GroupId": "@TGS#aC5SZEAEF"
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group whose custom attributes are to be cleared

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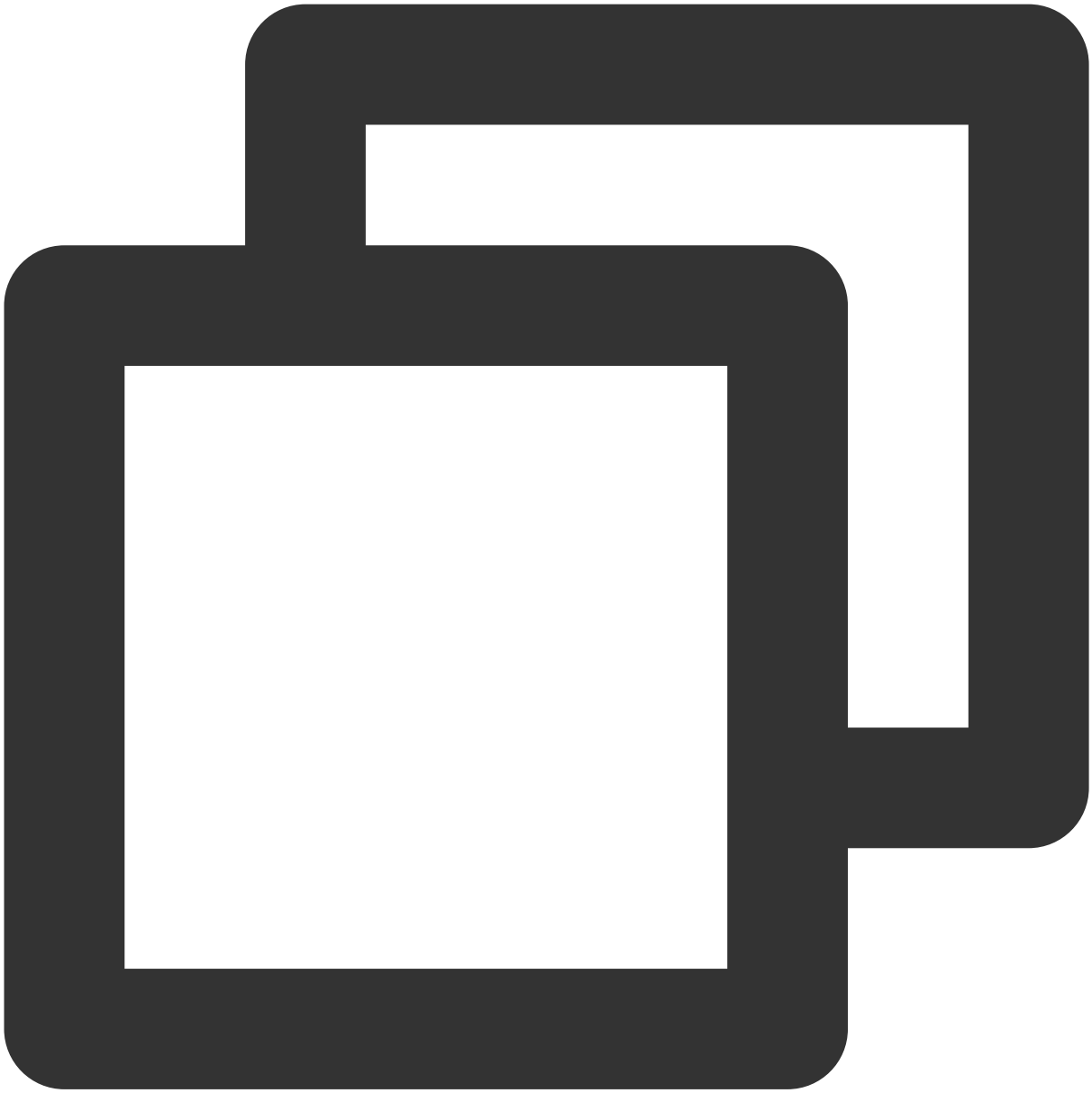
Sample response



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

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Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a group of this type does not support custom attribute operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.
10045	The size of the custom attribute key exceeds the limit of 32 bytes.
10046	The size of the custom attribute value exceeds the limit of 4000 bytes.
10047	The number of custom attribute keys exceeds the limit of 16.
10048	The total size of custom attribute values exceeds the limit of 16000 bytes.
10049	The frequency of writing custom attributes to a group exceeds the limit. You can add, delete, or modify them for up to 5 times per second.

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Resetting Group Custom Attributes

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used by the app admin to reset custom group attributes.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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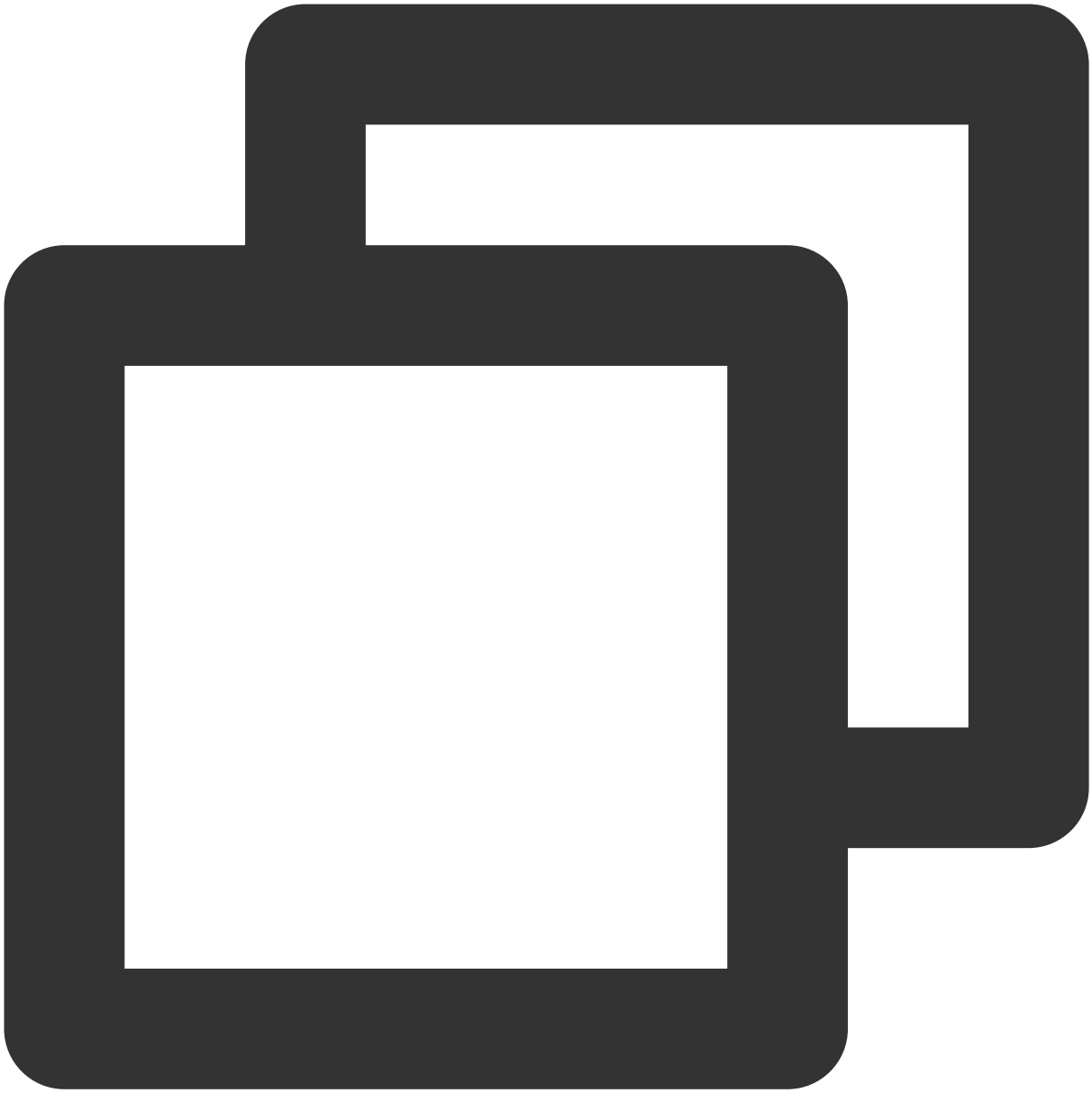

```
https://xxxxxx/v4/group_open_http_svc/set_group_attr?sdkappid=88888888&identifier=a
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/set_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Reset the custom attributes of a group:

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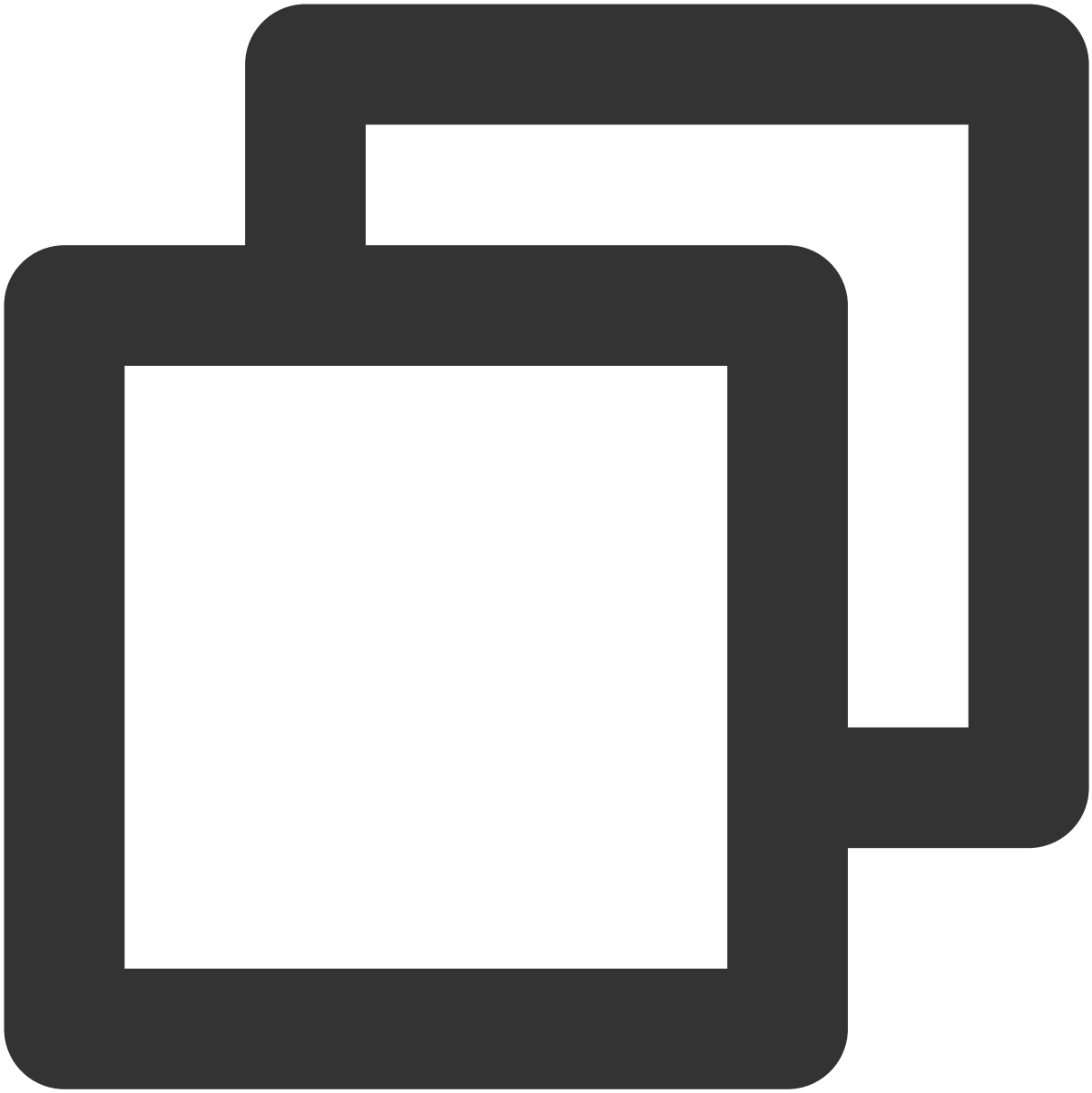

```
{
  "GroupId": "@TGS#aC5SZEAEF",
  "GroupAttr":[
      {
          "key":"attr_key", //Attribute key
          "value":"attr_val" //Attribute value
      },
      {
          "key":"attr_key1",
          "value":"attr_val1"
      }
```

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```
    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the group for which you want to reset custom attributes
GroupAttr	Array	Yes	List of custom attributes. `key` : Key of the custom attribute, which can be up to 32 bytes in length. Up to 16 keys are supported. `value` : Value of the custom attribute, which can be up to 4,000 bytes in length.

Sample response

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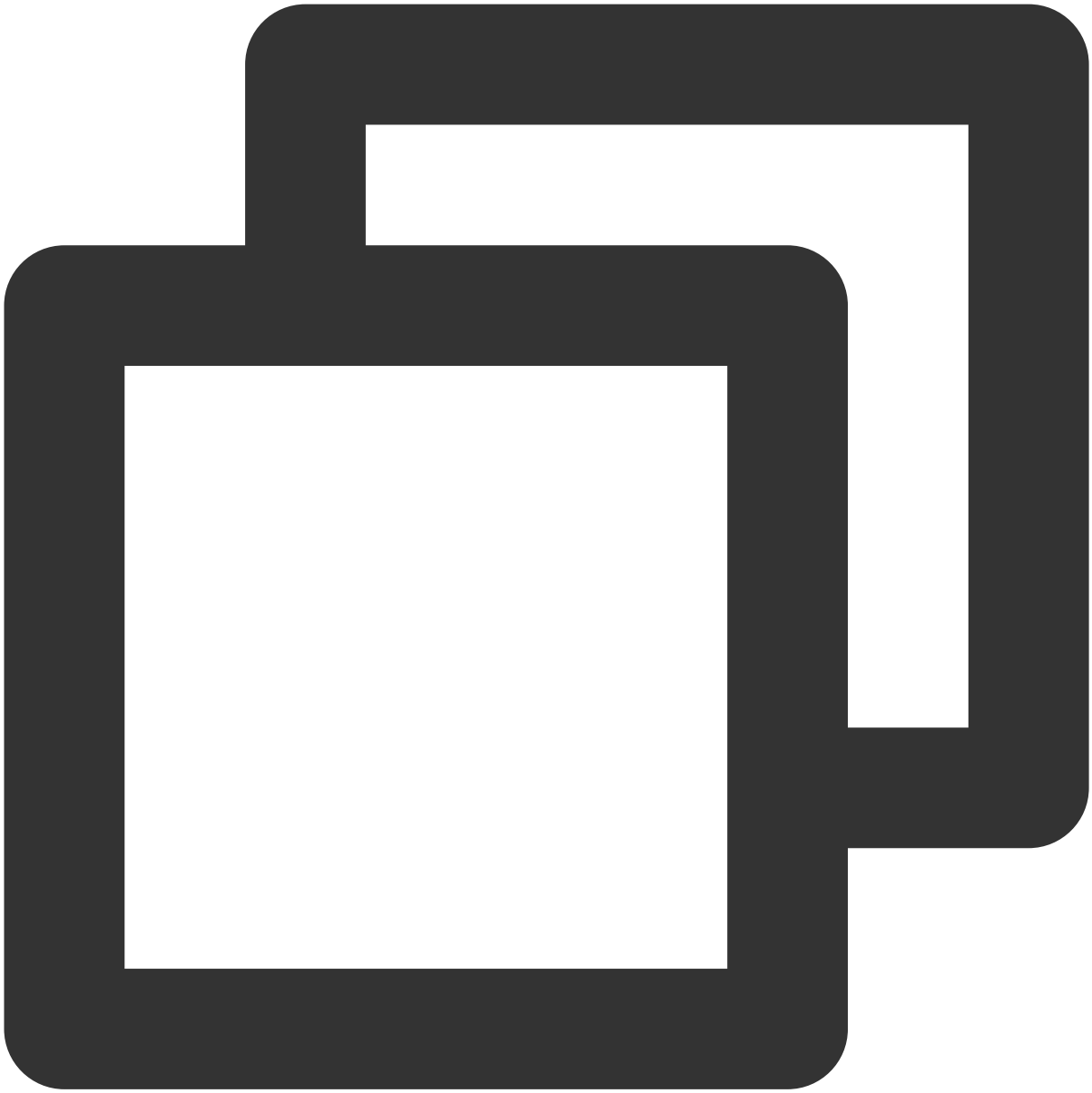

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	No operation permissions. This error occurs when, for example, a group of this type does not support custom attribute operations.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.
10045	The size of the custom attribute key exceeds the limit of 32 bytes.
10046	The size of the custom attribute value exceeds the limit of 4000 bytes.
10047	The number of custom attribute keys exceeds the limit of 16.
10048	The total size of custom attribute values exceeds the limit of 16000 bytes.
10049	The frequency of writing custom attributes to a group exceeds the limit. You can add, delete, or modify them for up to 5 times per second.

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Deleting Group Custom Attributes

Last updated：2024-07-16 11:15:59

Feature Overview

This API allows app admins to delete custom attributes of groups.

API Call Description

Applicable Group Types

Group Type ID	RESTful API Support
Private	Yes. Same as the Work group in the new version.
Public	Yes.
ChatRoom	Yes. Same as the Meeting group in the new version.
AVChatRoom	Yes.
Community	Yes.

These are built-in group types of Instant Messaging (IM). For more information, see Group System.

Sample Request URL

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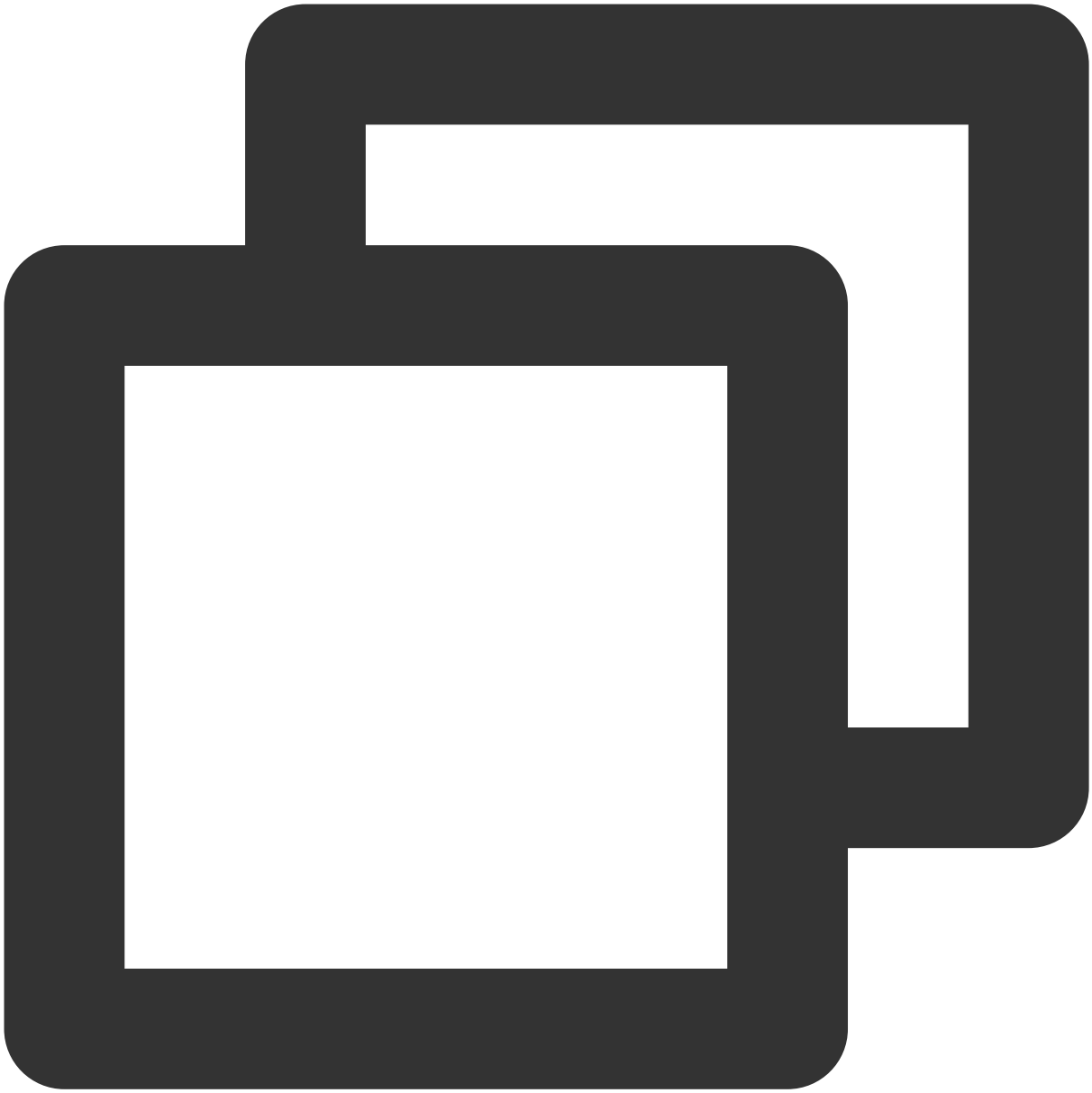

```
https://console.tim.qq.com/v4/group_open_http_svc/delete_group_attr?sdkappid=888888
```

Request Parameters

The following table only lists parameters that can be modified when this API is called. For more information about the parameters, see RESTful API Overview.

Parameter	Description
v4/group_open_http_svc/delete_group_attr	Request API.

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sdkappid	SDKAppID assigned by the IM console when an app is created.
identifier	App admin account. For more information, see App Admin.
usersig	Signature generated by the app admin account. For more information, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which is fixed at `json`.

Maximum Call Frequency

200 calls per second

Sample Request

Basic Request

This example shows how to delete custom attributes of a group.

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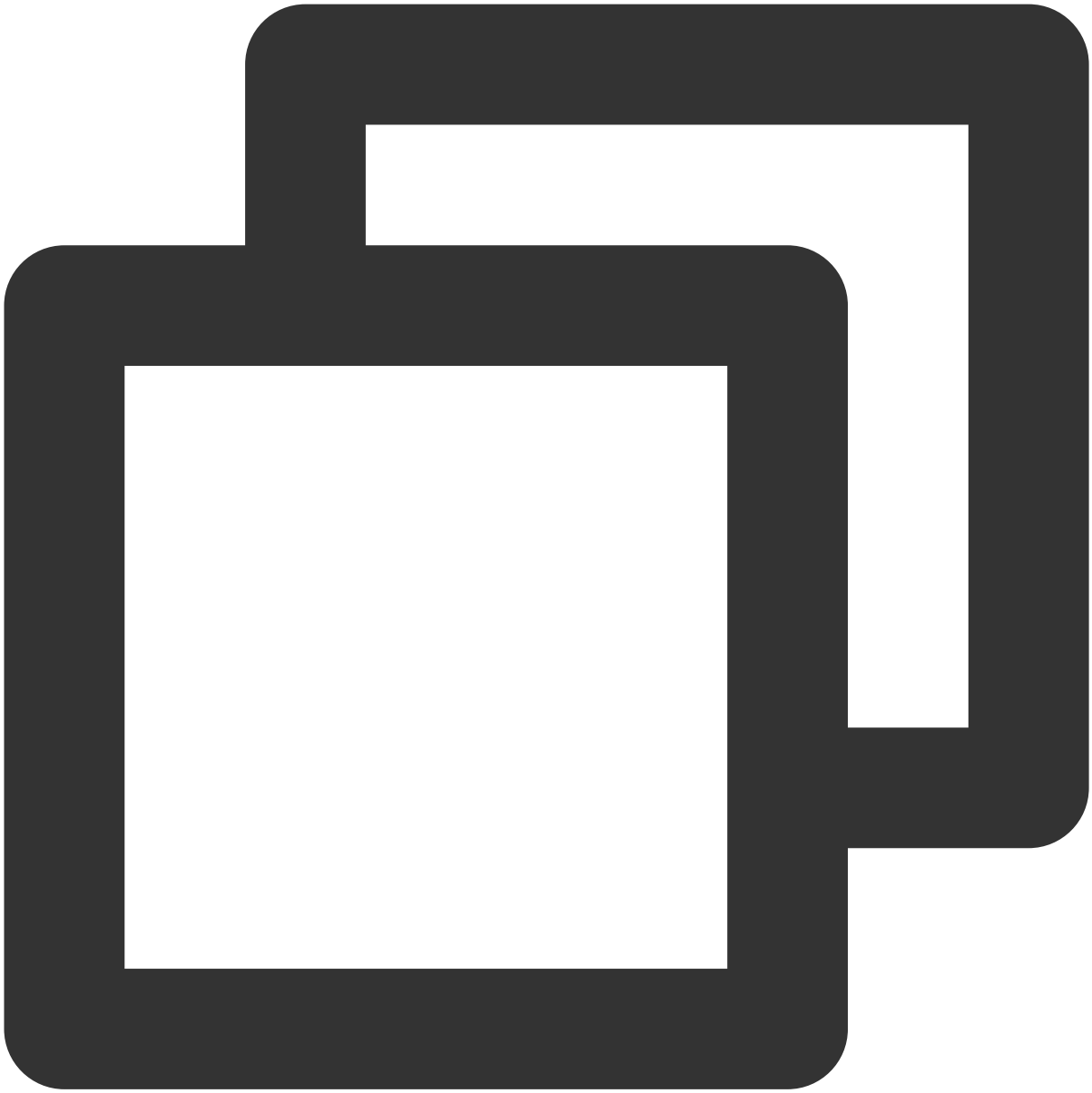

```
{
  "GroupId": "@TGS#aC5SZEAEF",
  "GroupAttr":[
      {
          "key":"attr_key" // Attribute key
      },
      {
          "key":"attr_key1"
      }
  ]
}
```

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Request Fields

Field	Type	Required	Description
GroupId	String	Yes	ID of the group of which custom attributes are to be deleted.
GroupAttr	Array	Yes	List of custom attributes to be deleted, with the keys of the custom attributes.

Sample Response

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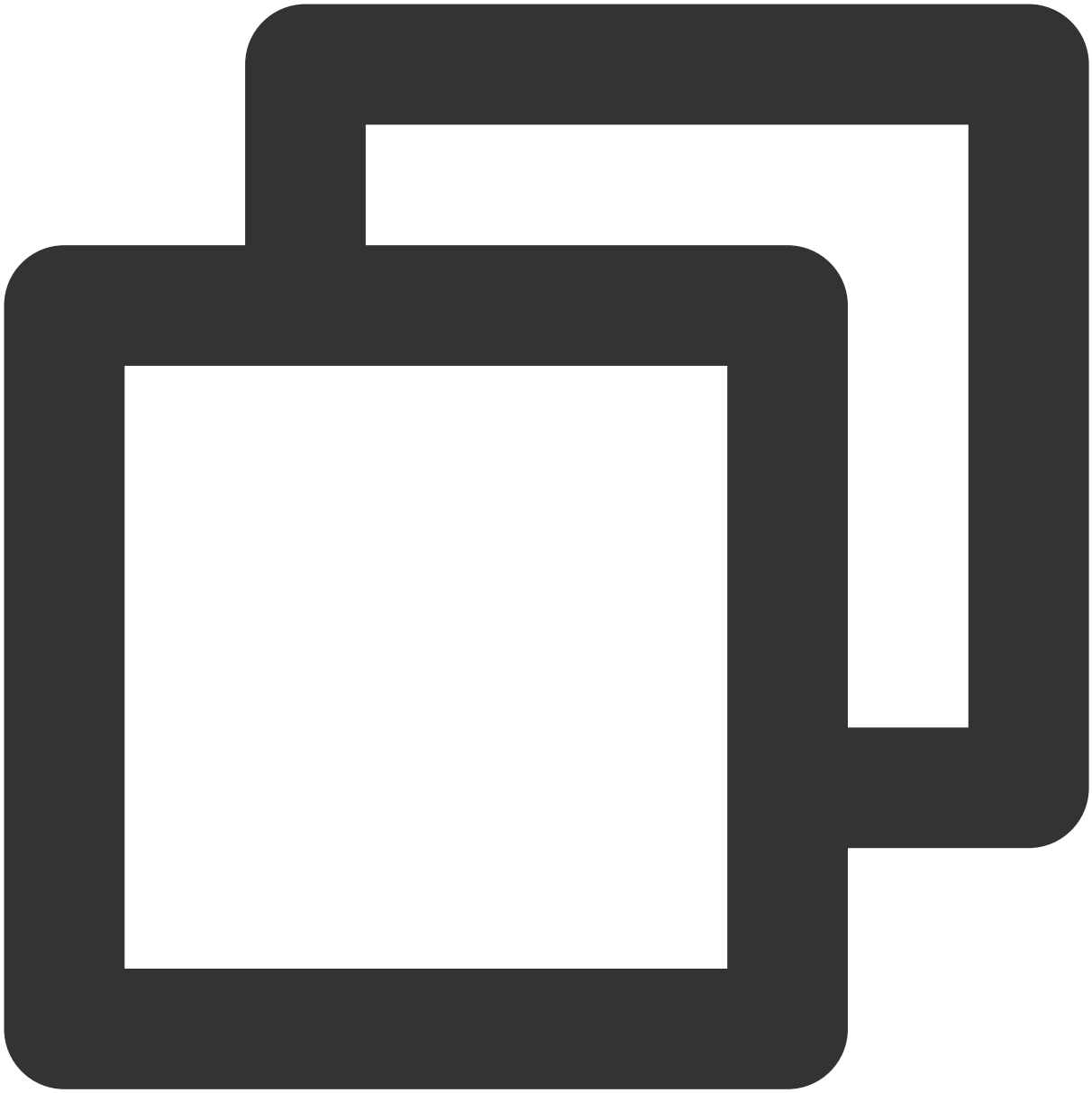

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response Fields

Field	Type	Description

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ActionStatus	String	Request result.- OK: Successful- FAIL: Failed
ErrorCode	Integer	Error code.- 0: Successful- Other values: Failed
ErrorInfo	String	Error information.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and error information are indicated by ErrorCode and ErrorInfo respectively in the response.
For public error codes (60000 to 79999), see Error Codes .
The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and rectify the fault.
10007	No operation permission. For example, a group of this type does not have the operation permission on custom attributes.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Use the correct group ID.
10045	The size of the custom attribute key exceeds the limit of 32 bytes.
10049	The frequency of writing custom attributes to a group exceeds the limit. You can add, delete, or modify the attributes for up to 5 times per second.
10050	Failed to delete a non-existent custom attribute.

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Live Group Management
Setting Live Streaming Group Robots

Last updated：2024-07-16 11:15:59

Feature Overview

App administrators and group owners can add robot accounts to the live streaming group's online member list. The robot accounts can be fixed in the online member list without needing to call the group joining API, regardless of their online status. This API essentially sets a special tag (500) for robot accounts. For details, refer to the API Setting Live Streaming Group Member Tags. This feature requires the Premium Edition, and the live streaming group online member list feature must have been enabled under group feature configuration in the Chat console. Calling this API will return a failure for other package editions.

API Call Description

Applicable Group Types

Group Type ID	REST API Support
Private	No. It is similar to Work (friend work group) in the new version.
Public	No.
ChatRoom	No. It is similar to Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Chat incorporates the aforementioned group types. For details, see Group System.

Note

This feature requires the Premium Edition Package, and the live streaming group online member list feature must have been enabled (under group feature configuration in the console).

Calling this API will return a failure for other package editions.

This API essentially sets a special tag (500) for robot accounts. For details, refer to the API Setting Live Streaming Group Member Tags.

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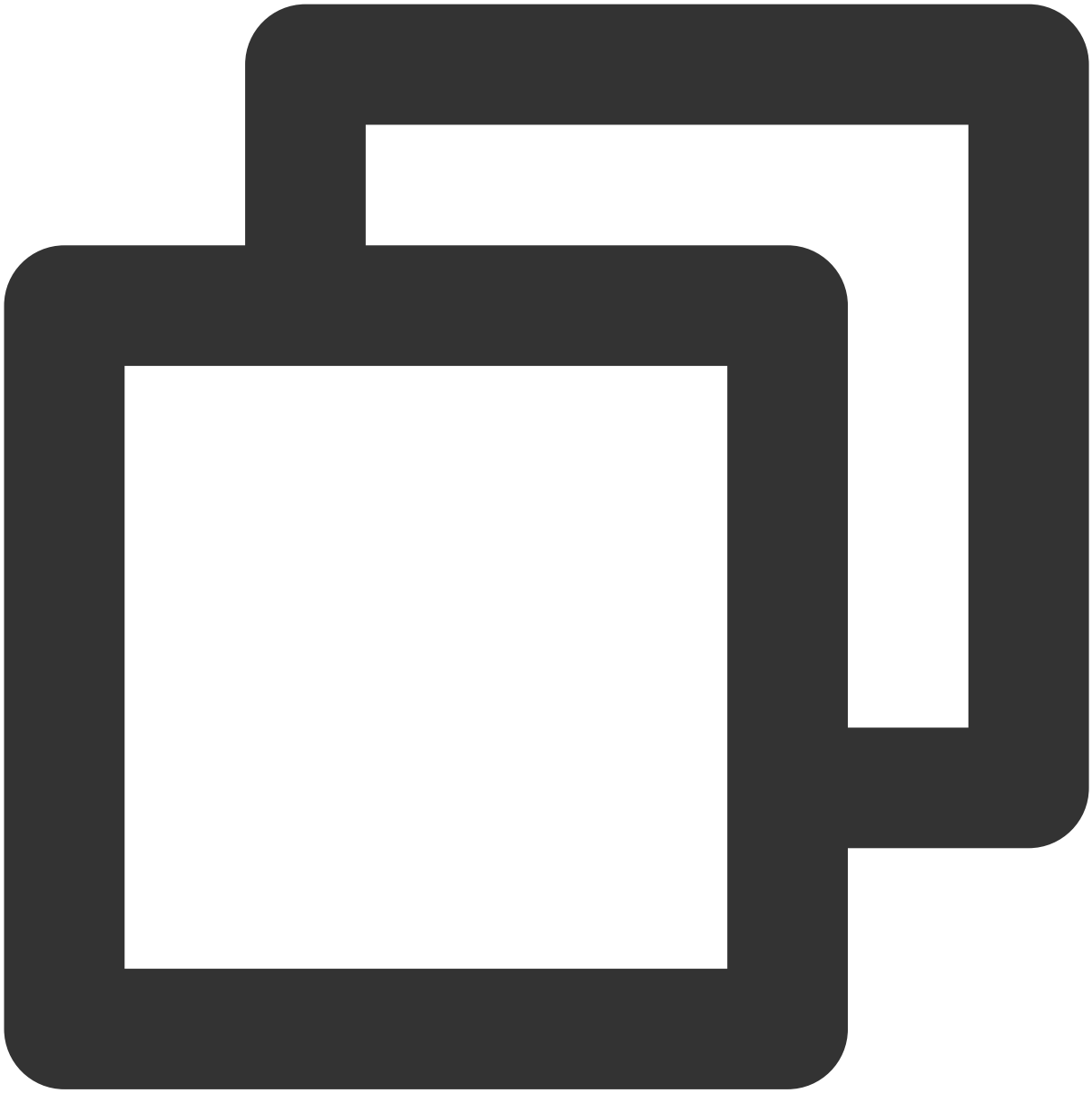
Sample Request URL



```
https://xxxxxx/v4/group_open_avchatroom_http_svc/add_robots?sdkappid=88888888&ident
```

Request Parameters

The following table only lists the parameters involved when this API is called and their descriptions. For details on other parameters, see REST API Overview.

Parameter	Description

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xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/add_robots	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	It must be an app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The request format is fixed to `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

Add two robots, bot1 and bot2, to a live streaming group:

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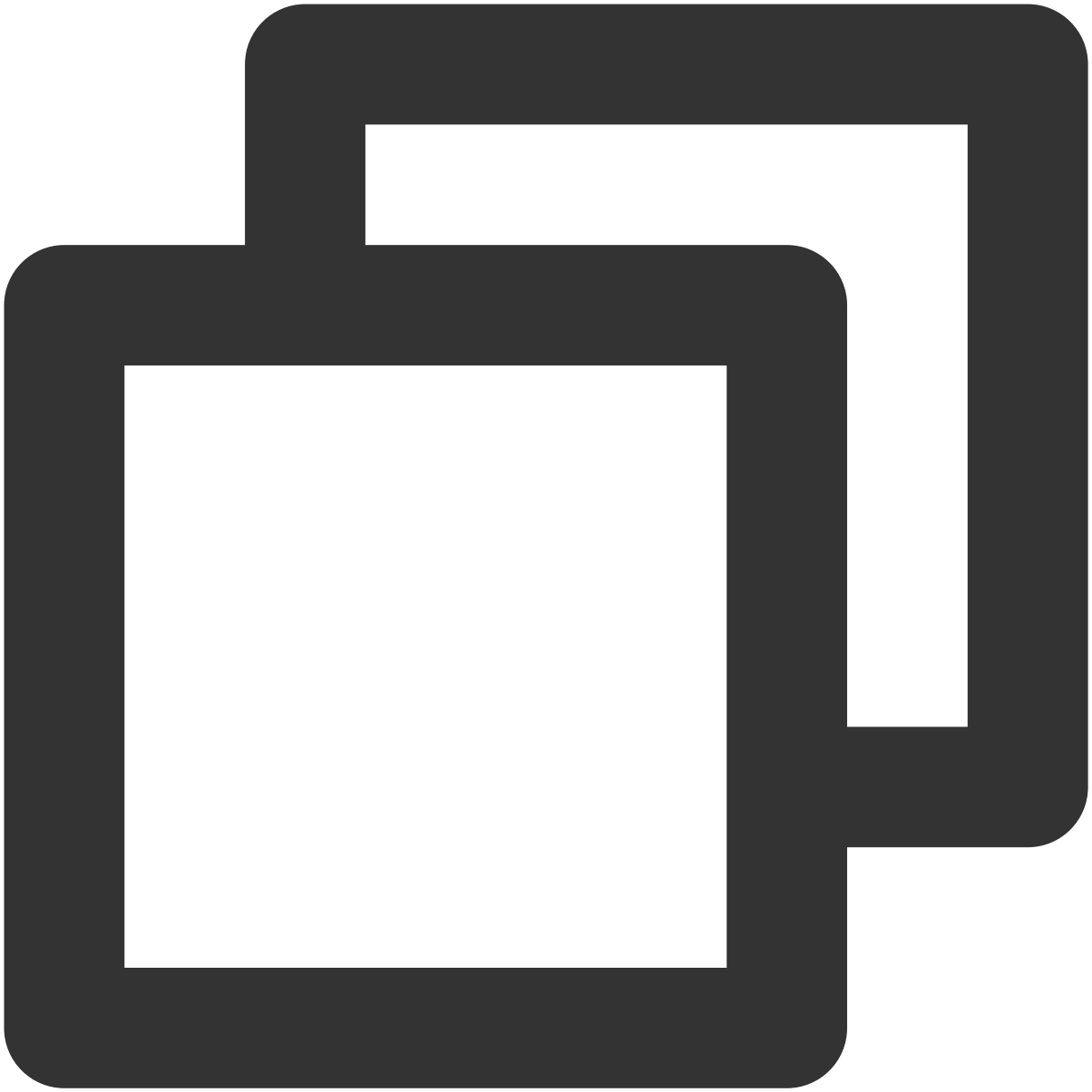

```
{
    "GroupId": "@TGS#a6I4ZUUGO",
    "Member_Account": ["bot1", "bot2"]
}
```

Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the operated group.

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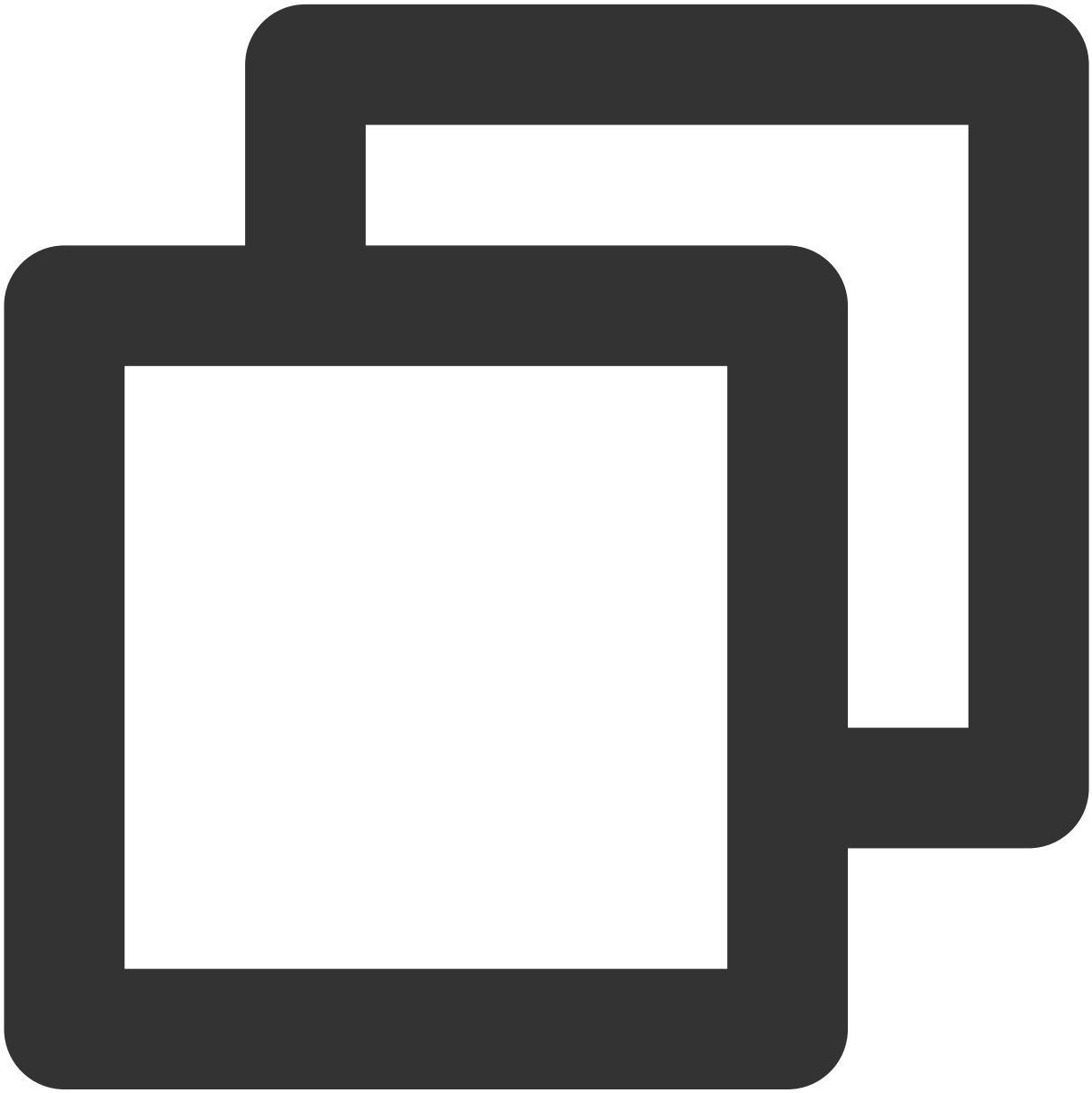
Member_Account	Array	Required	List of robot accounts to be set.

Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

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Response Packet Fields

Field	Type	Description
ActionStatus	String	Processing results: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error message.

Error Codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packets.

Common error codes (60000 to 79999) can be found in Error Codes.

The private error codes for this API are as follows:

Error Code	Description
10001	The user does not log in. Please check whether the admin account and usersig are correct.
10002	System error. Please try again or contact technical support.
10003	Invalid request command. Please try again or contact technical support.
10004	Invalid parameters. Please check whether the required fields are filled in or whether the field fillings meet the protocol requirements based on the ErrorInfo field in the response packets.
10007	Insufficient permissions. This API must be called by an app administrator or group owner.
10010	The group does not exist, or it once existed but has now been dissolved.
10015	Invalid group ID. Please check whether the group ID is filled in correctly.

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Deleting Live Streaming Group Robots

Last updated：2024-07-16 11:15:59

Feature Overview

App administrators and group owners can delete previously added robot accounts from the live streaming group's online member list. This API essentially removes the special tag (500) for the robot account. For details, refer to the API Setting Live Streaming Group Member Tags. This feature requires the Premium Edition, and the live streaming group online member list feature must have been enabled under group feature configuration in the Chat console. Calling this API will return a failure for other package editions.

API Call Description

Applicable Group Types

Group Type ID	REST API Support
Private	No. It is similar to Work (friend work group) in the new version.
Public	No.
ChatRoom	No. It is similar to Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Chat incorporates the aforementioned group types. For details, see Group System.

Note

This feature requires the Premium Edition Package, and the **live streaming group online member list** feature must have been enabled (under **group feature configuration** in the console).

Calling this API will return a failure for other package editions.

This API essentially removes the special tag (500) for the robot account. For details, refer to the API Setting Live Streaming Group Member Tags.

Sample Request URL

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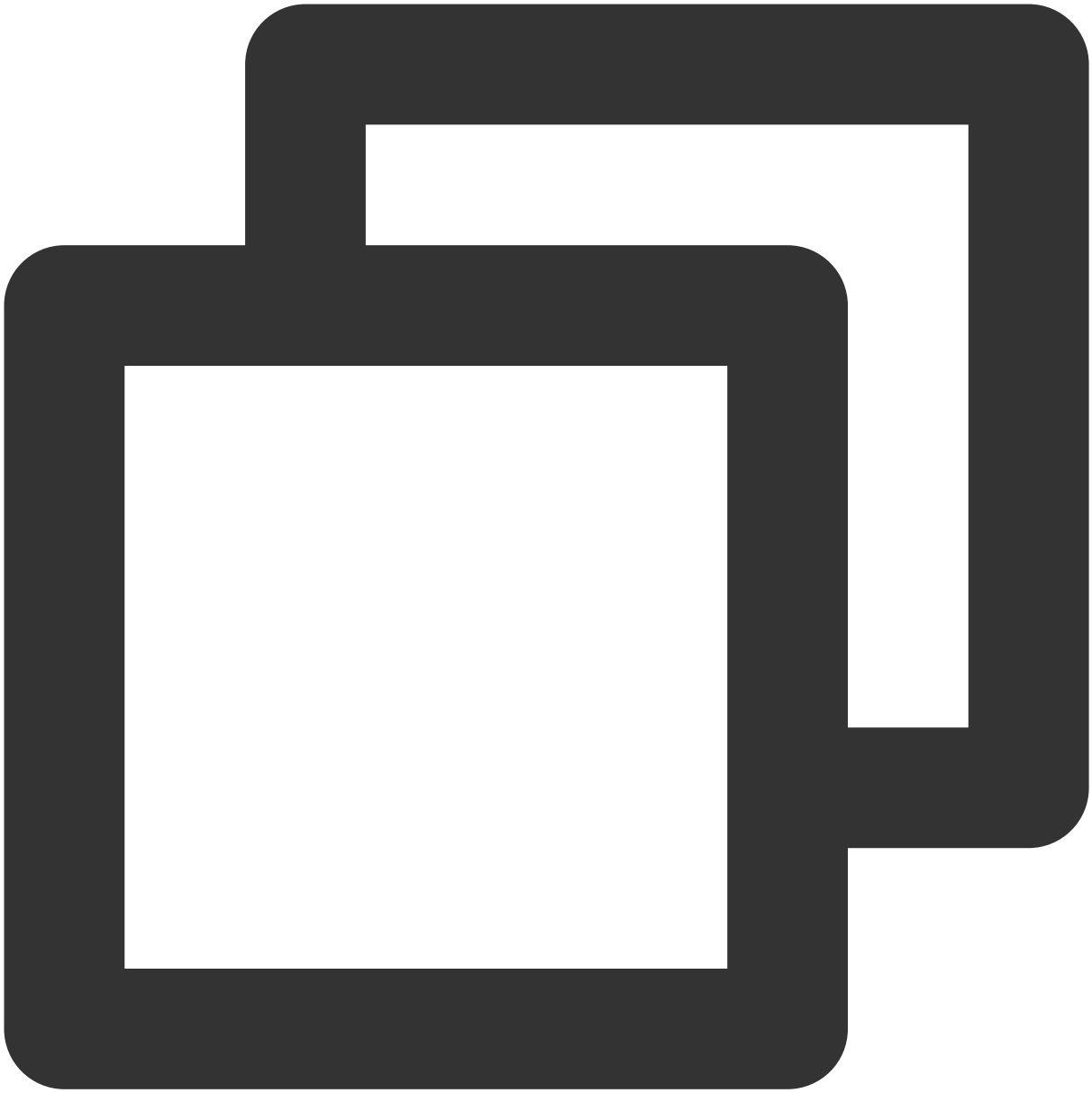

```
https://xxxxxx/v4/group_open_avchatroom_http_svc/del_robots?sdkappid=88888888&ident
```

Request Parameters

The following table only lists the parameters involved when this API is called and their descriptions. For details on other parameters, see REST API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/del_robots	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	It must be an app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The request format is fixed to `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

Delete bots bot1 and bot2 from a live streaming group:

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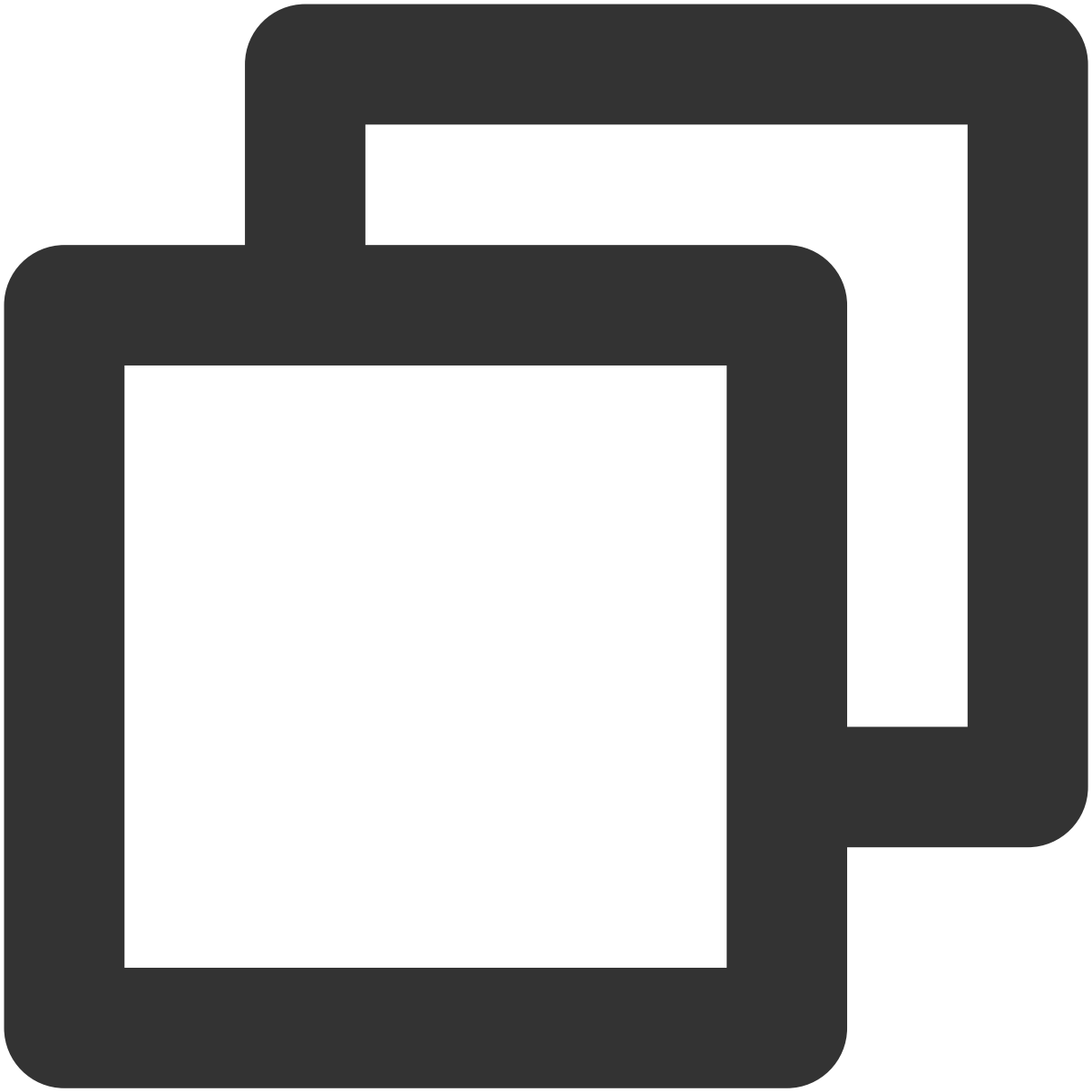

```
{
    "GroupId": "@TGS#a6I4ZUUGO",
    "Member_Account": ["bot1", "bot2"]
}
```

Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the operated group.

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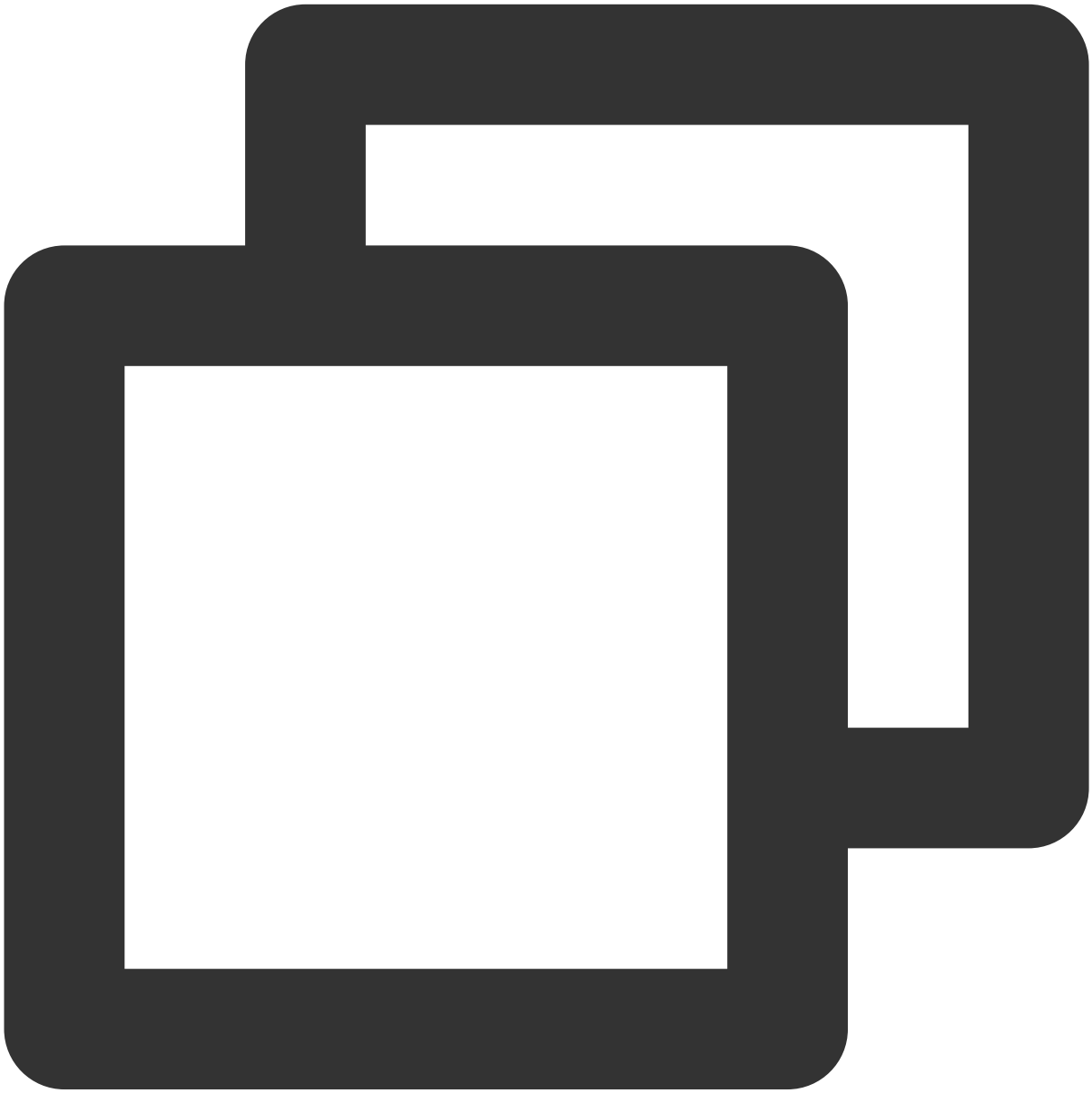
Member_Account	Array	Required	List of robot accounts to be deleted.

Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

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Response Packet Fields

Field	Type	Description
ActionStatus	String	Processing results: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error message.

Error Codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packets.

Common error codes (60000 to 79999) can be found in Error Codes.

The private error codes for this API are as follows:

Error Code	Description
10001	The user does not log in. Please check whether the admin account and usersig are correct.
10002	System error. Please try again or contact technical support.
10003	Invalid request command. Please try again or contact technical support.
10004	Invalid parameters. Please check whether the required fields are filled in or whether the field fillings meet the protocol requirements based on the ErrorInfo field in the response packets.
10007	Insufficient permissions. This API must be called by an app administrator or group owner.
10010	The group does not exist, or it once existed but has now been dissolved.
10015	Invalid group ID. Please check whether the group ID is filled in correctly.

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Setting/Deleting Live Streaming Group Administrators

Last updated：2024-07-16 11:15:59

Feature Overview

App administrators can set and delete administrators for a live streaming group. When an account is designated as an administrator, it does not need to be in the live streaming group. Once set as an administrator, the account remains an administrator even if it leaves and re-enters the live streaming group. To cancel the administrator status, this API needs to be called. This feature requires the Premium Edition, and the live streaming group online member list feature must have been enabled under group feature configuration in the Chat console.

API Call Description

Applicable Group Types

Group Type ID	REST API Support
Private	No. It is similar to Work (friend work group) in the new version.
Public	No.
ChatRoom	No. It is similar to Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Chat incorporates the aforementioned group types. For details, see Group System.

Note

This feature requires the Premium Edition Package, and the live streaming group online member list feature must have been enabled (under group feature configuration in the console).

When an account is designated as an administrator, it does not need to be in the live streaming group.

Once set as an administrator, the account remains an administrator even if it leaves and re-enters the live streaming group.

To cancel the administrator status, this API needs to be called.

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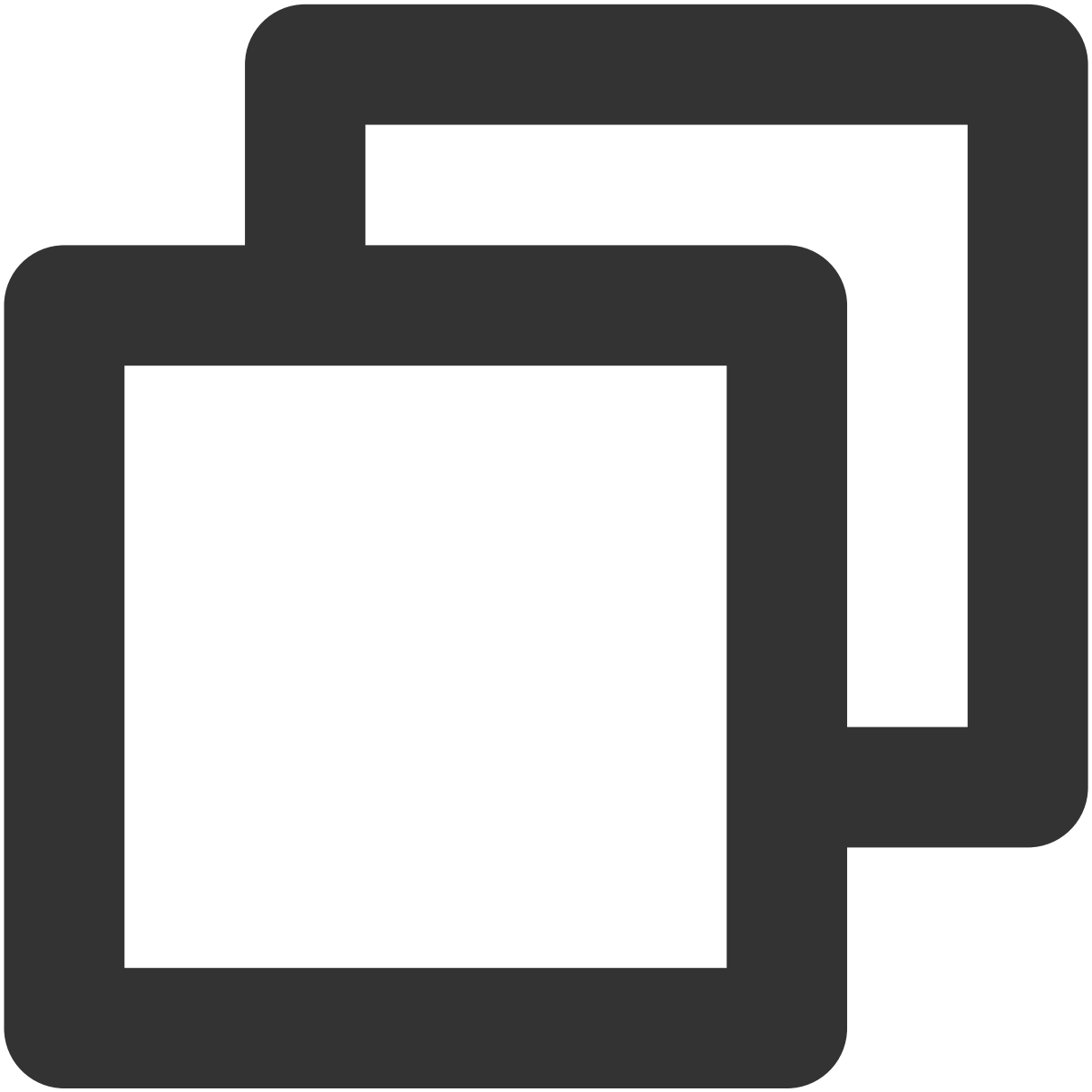
A live streaming group can have up to 5 administrators.

Sample Request URL



```
https://xxxxxx/v4/group_open_avchatroom_http_svc/modify_admin?sdkappid=88888888&ide
```

Request Parameters

The following table only lists the parameters involved when this API is called and their descriptions. For details on other parameters, see REST API Overview.

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Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/modify_admin	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	It must be an app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The request format is fixed to `json`.

Maximum Call Frequency

200 times/second

Sample Request Packets

Query whether a batch of users is in the live streaming group, and return the users who are in the group.

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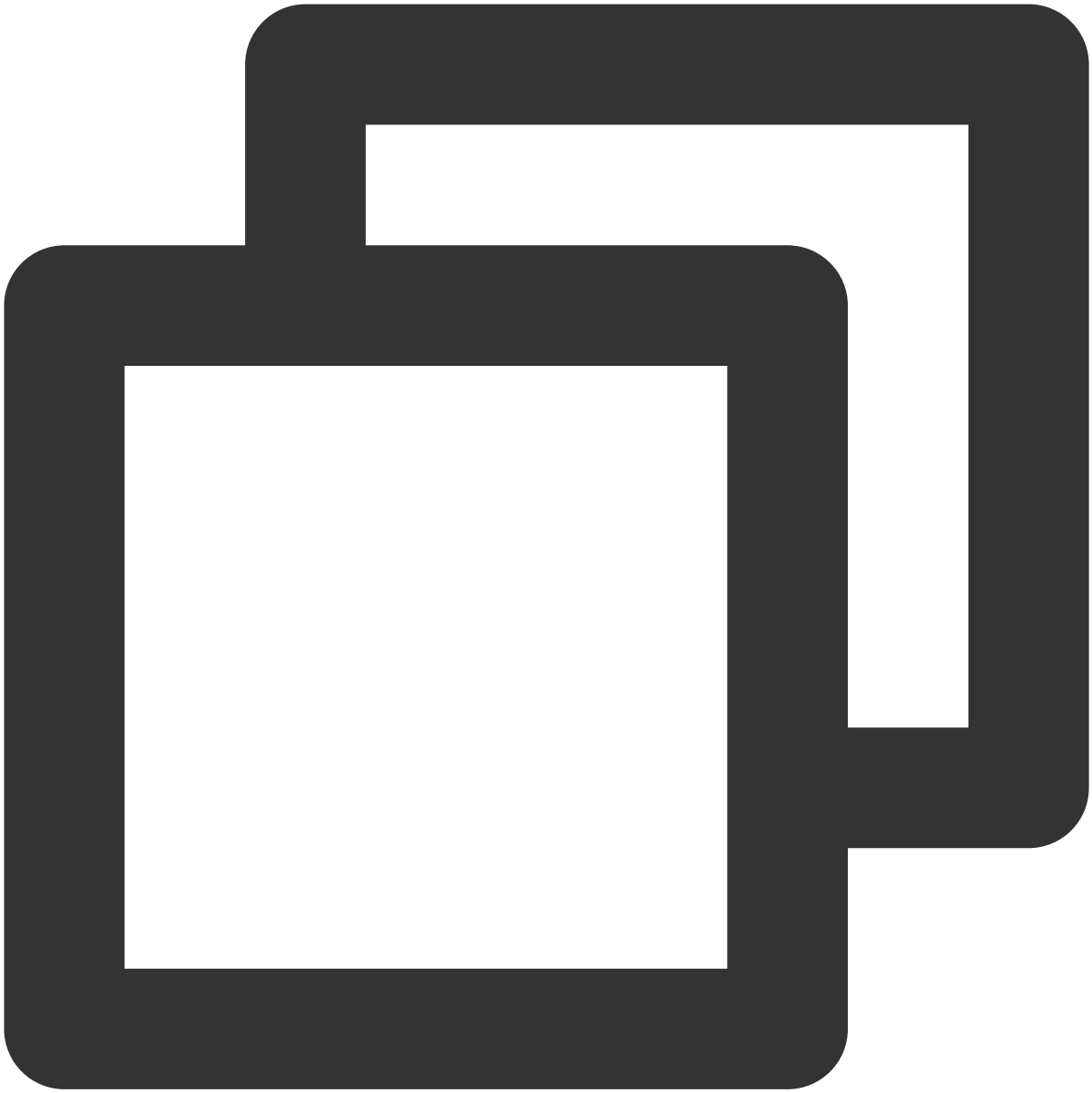

```
{
    "GroupId":"@TGS#a6I4ZUUGO",
    "CommandType": 1,
    "Admin_Account": ["user1"]
}
```

Request Packet Fields

Field	Type	Attribute	Description

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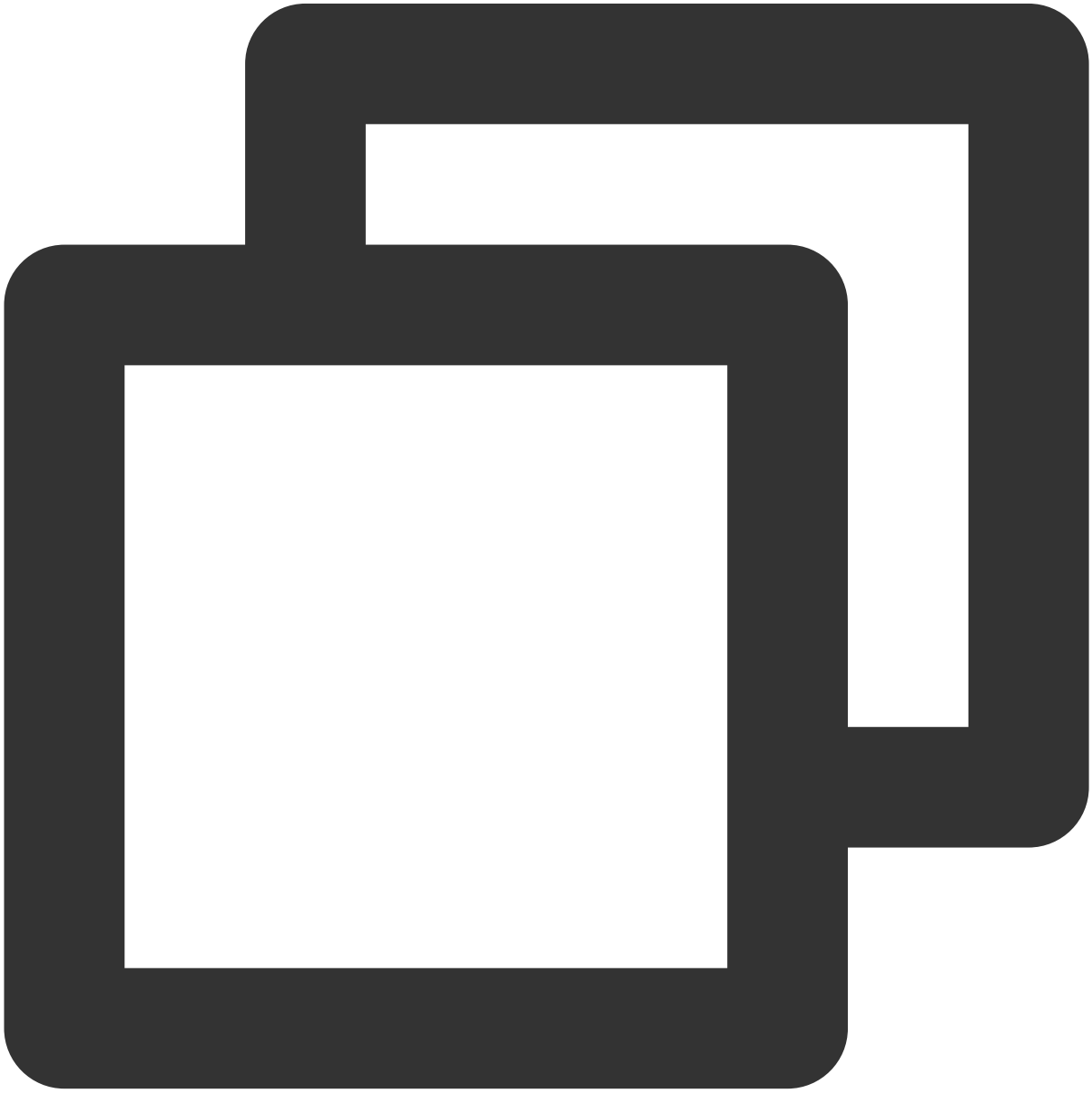
GroupId	String	Required	ID of the operated group.
CommandType	Integer	Required	1: Sets an administrator. 2: Cancels administrator settings.
Admin_Account	Array	Required	UserID list of administrators to be modified. A live streaming group can have up to 5 administrators.

Sample Response Packets



```
{
```

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```
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response Packet Fields

Field	Type	Description
ActionStatus	String	Processing results: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error message.

Error Codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packets.

Common error codes (60000 to 79999) can be found in Error Codes.

The private error codes for this API are as follows:

Error Code	Description
10001	The user does not log in. Please check whether the admin account and usersig are correct.
10002	System error. Please try again or contact technical support.
10003	Invalid request command. Please try again or contact technical support.
10004	Invalid parameters. Please check whether the required fields are filled in or whether the field fillings meet the protocol requirements based on the ErrorInfo field in the response packets.
10007	Insufficient permissions. Non-AVChatRoom group types do not support obtaining the online user count.
10010	The group does not exist, or it once existed but has now been dissolved.
10015	Invalid group ID. Please check whether the group ID is filled in correctly.

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Obtaining the List of Live Streaming Group Administrators

Last updated：2024-07-16 11:15:59

Feature Overview

App administrators can obtain the list of live streaming group administrators by using the group ID. This feature is exclusively available for **Premium Edition** users who have enabled the live streaming group online member list feature under group feature configuration in the Chat console.

API Call Description

Applicable Group Types

Group Type ID	REST API Support
Private	No. It is similar to Work (friend work group) in the new version.
Public	No.
ChatRoom	No. It is similar to Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Chat incorporates the aforementioned group types. For details, see Group System.

Note

This feature requires the Premium Edition Package, and the live streaming group online member list feature must have been enabled (under group feature configuration in the console).

Sample Request URL

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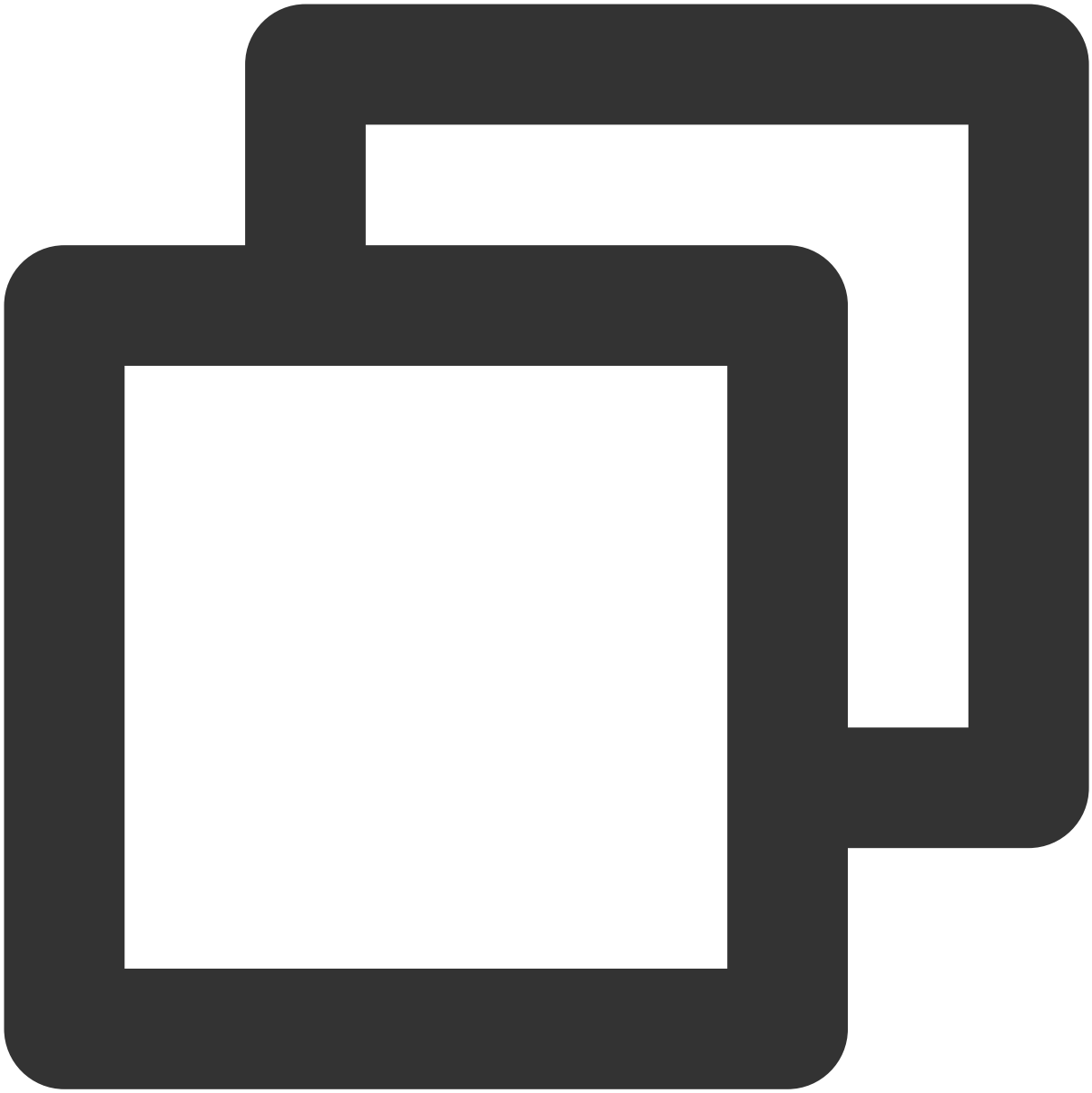

```
https://xxxxxx/v4/group_open_avchatroom_http_svc/get_admin_list?sdkappid=88888888&i
```

Request Parameters

The following table only lists the parameters involved when this API is called and their descriptions. For details on other parameters, see REST API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/get_admin_list	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	It must be an app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The request format is fixed to `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

Obtain the online user count of the AVChatRoom group, with the update granularity of the online count being 40 seconds.

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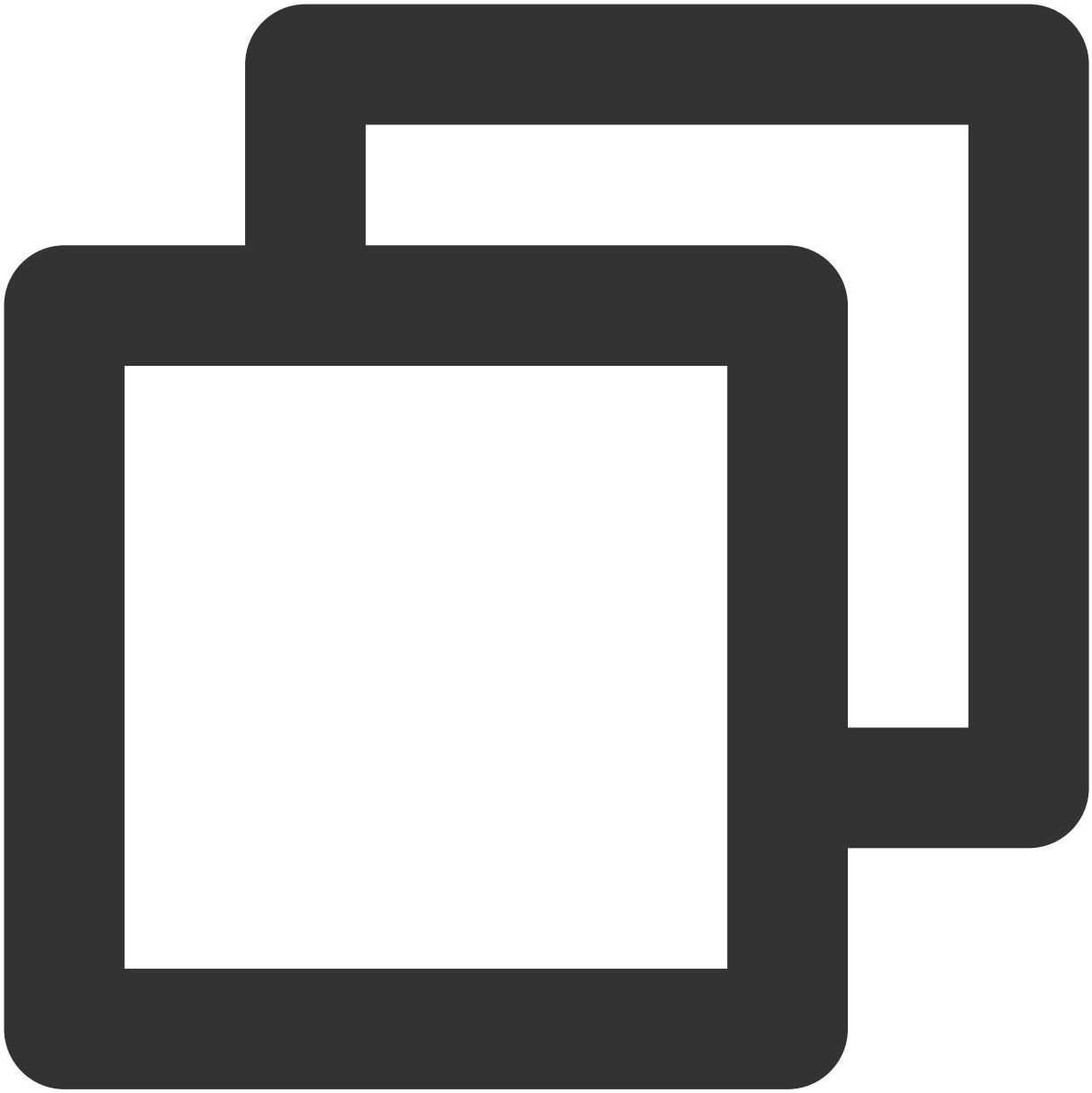

```
{
    "GroupId":"@TGS#a6I4ZUUGO"
}
```

Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	Live streaming group ID.

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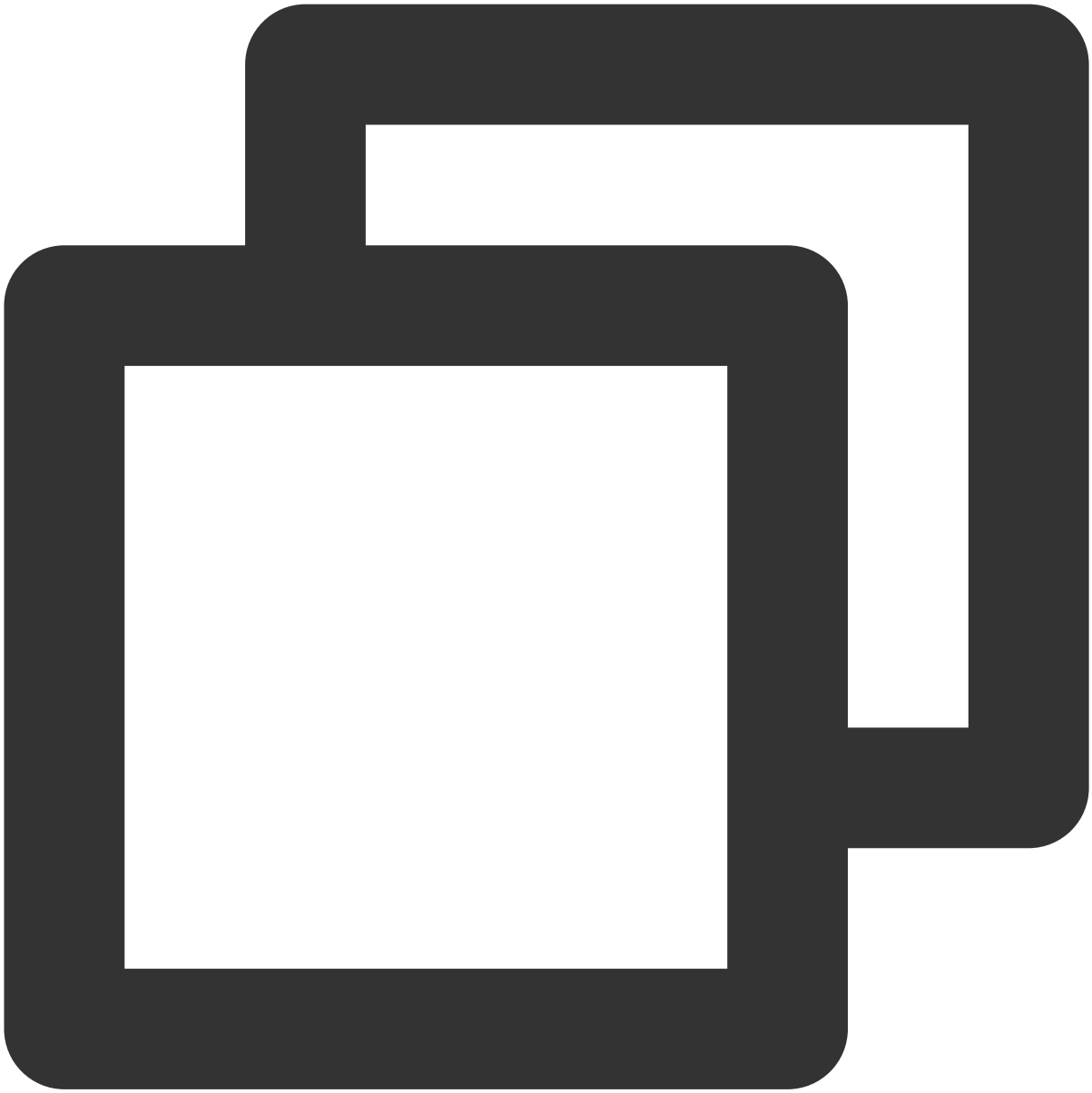
Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "Admin_List": [
        {
            "Admin_Account": "user1",
            "Avatar": "https://example.com/abc.jpg",
            "NickName": "AA"
```

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```
        },
        {
            "Admin_Account": "116400",
            "Avatar": "",
            "NickName": "Charles 2"
        }
    ]
}
```

Response Packet Fields

Field	Type	Description
ActionStatus	String	Processing results: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error message.
Admin_List	Object	The list of live streaming group administrators for this group.

Error Codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packets.

Common error codes (60000 to 79999) can be found in Error Codes.

The private error codes for this API are as follows:

Error Code	Description
10001	The user does not log in. Please check whether the admin account and usersig are correct.
10002	System error. Please try again or contact technical support.
10003	Invalid request command. Please try again or contact technical support.
10004	Invalid parameters. Please check whether the required fields are filled in or whether the field fillings meet the protocol requirements based on the ErrorInfo field in the response packets.
10007	Insufficient permissions. Non-AVChatRoom group types do not support obtaining the online user

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	count.
10010	The group does not exist, or it once existed but has now been dissolved.
10015	Invalid group ID. Please check whether the group ID is filled in correctly.

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Checking Whether Users Are in a Live Streaming Group

Last updated：2024-07-16 11:15:59

Feature Overview

App administrators can check whether a batch of users is in a live streaming group by using the group ID. This feature requires the Premium Edition, and the live streaming group online member list feature must have been enabled under group feature configuration in the Chat console.

API Call Description

Applicable Group Types

Group Type ID	REST API Support
Private	No. It is similar to Work (friend work group) in the new version.
Public	No.
ChatRoom	No. It is similar to Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Chat incorporates the aforementioned group types. For details, see Group System.

Note

This feature requires the Premium Edition Package, and the live streaming group online member list feature must have been enabled (under group feature configuration in the console).

The overall update granularity of online members is 40s.

When there are more than 1,000 people in the live streaming group, the API can still query whether members outside of the 1,000 people are in the live streaming group.

Sample Request URL

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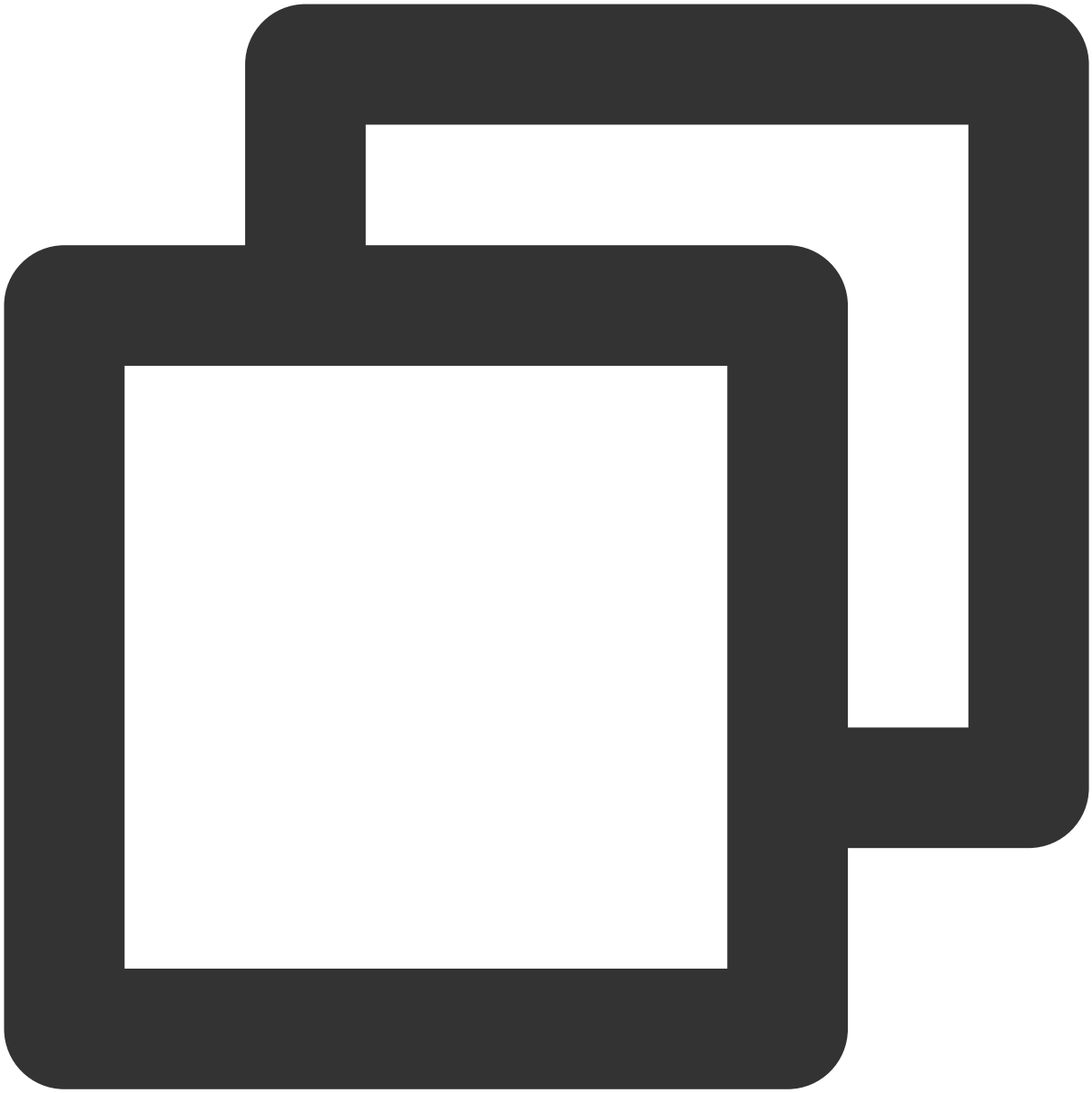

```
https://xxxxxx/v4/group_open_avchatroom_http_svc/check_members?sdkappid=88888888&id
```

Request Parameters

The following table only lists the parameters involved when this API is called and their descriptions. For details on other parameters, see REST API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/check_members	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	It must be an app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The request format is fixed to `json`.

Maximum Call Frequency

200 times/second

Sample Request Packets

Query whether a batch of users is in the live streaming group, and return the users who are in the group.

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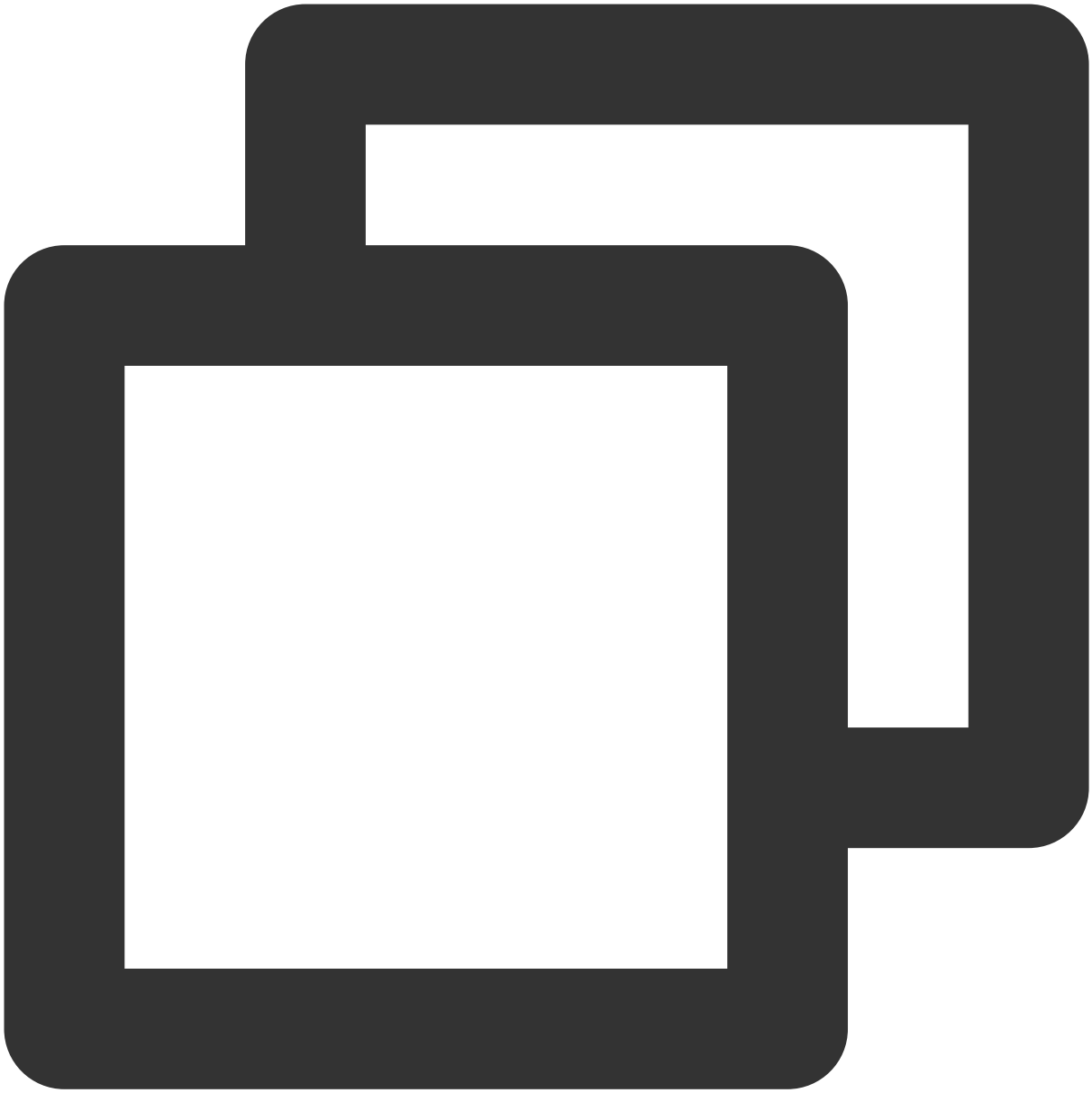

```
{
    "GroupId":"@TGS#a6I4ZUUGO",
    "Member_Account": ["245000","202200","239017","361697"]
}
```

Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the operated group.

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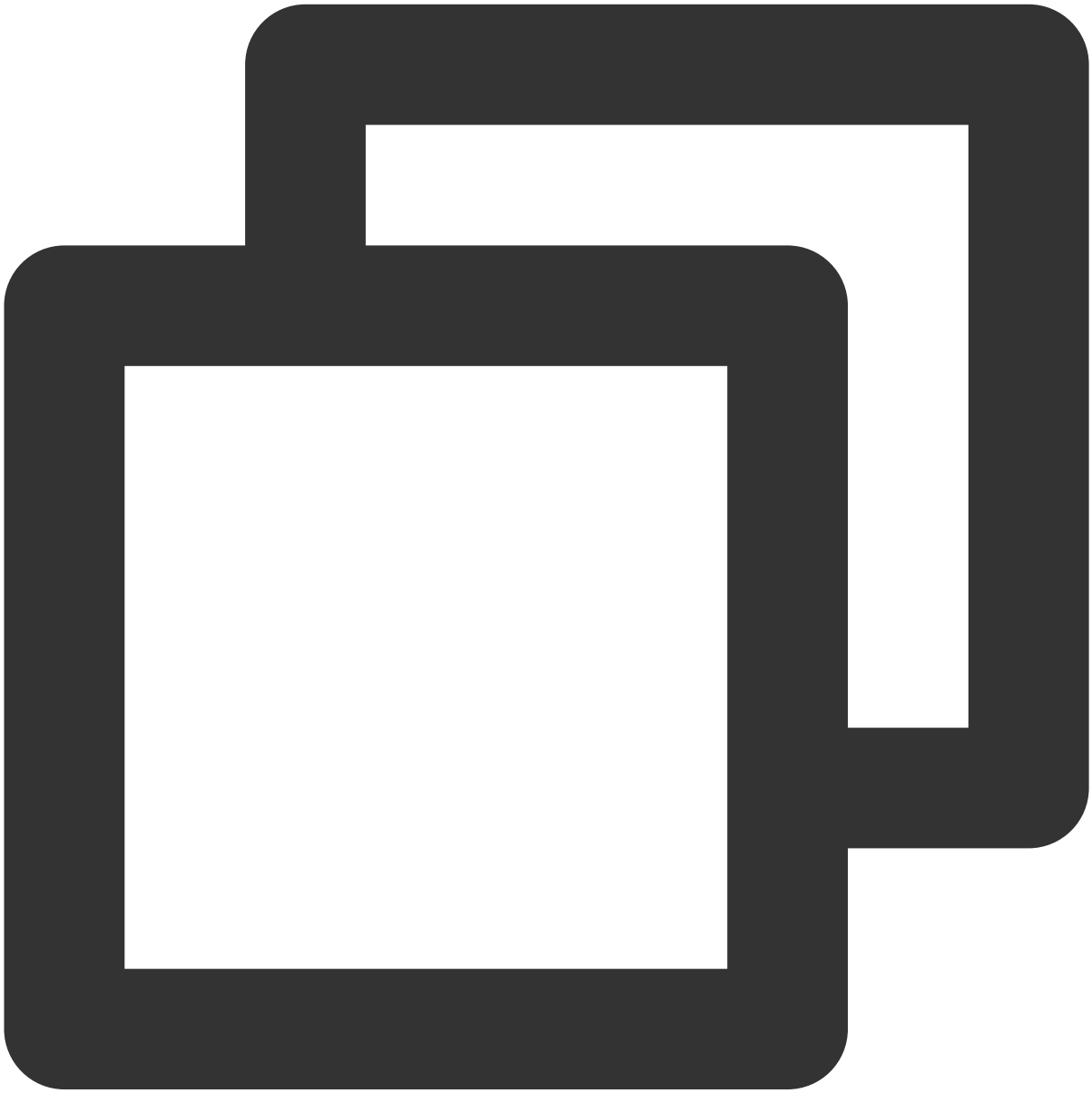
Member_Account	Array	Required	UserID list of queried users.

Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "Member_Account": ["245000", "239017"]
}
```

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Response Packet Fields

Field	Type	Description
ActionStatus	String	Processing results: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error message.
Member_Account	Array	UserID list of users in the live streaming group.

Error Codes

Unless a network error occurs (such as a 502 error), the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packets.
Common error codes (60000 to 79999) can be found in Error Codes.
The private error codes for this API are as follows:

Error Code	Description
10001	The user does not log in. Please check whether the admin account and usersig are correct.
10002	System error. Please try again or contact technical support.
10003	Invalid request command. Please try again or contact technical support.
10004	Invalid parameters. Please check whether the required fields are filled in or whether the field fillings meet the protocol requirements based on the ErrorInfo field in the response packets.
10007	Insufficient permissions. Non-AVChatRoom group types do not support obtaining the online user count.
10010	The group does not exist, or it once existed but has now been dissolved.
10015	Invalid group ID. Please check whether the group ID is filled in correctly.

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Getting the Number of Online Users in an Audio-Video Group

Last updated：2024-07-16 11:15:59

Feature Description

The app admin can use the group ID to obtain the number of online users in a live stream group.

API Description

Applicable group types

Group Type ID	REST API Support
Private	No. Same as Work (work group) in the new version.
Public	No.
ChatRoom	No. Same as Meeting (temporary meeting group) in the new version.
AVChatRoom	Yes.
Community	No.

Above are the IM built-in groups. For more information, see Group system.

Note

The number of online users is updated every 10s.

When there are web users, the number of online users will be updated 10s to 20s after a user joins or quits the group.

Sample request URL

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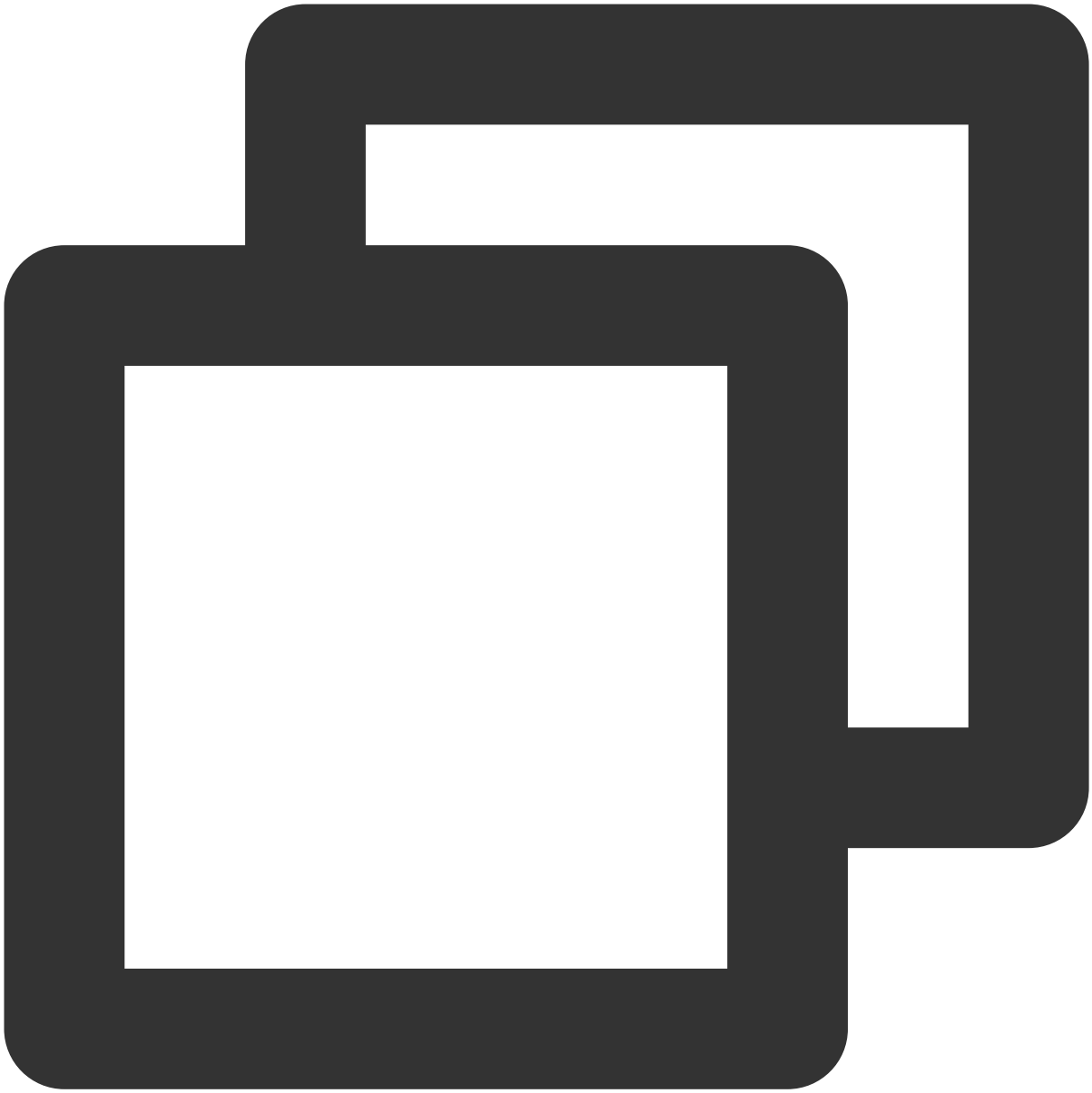

```
https://xxxxxx/v4/group_open_http_svc/get_online_member_num?sdkappid=88888888&ident
```

Request parameters

The following table only describes the modified parameters when this API is called. For more information on other parameters, please see RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_online_member_num	The API to which the request is sent.
sdkappid	The SDKAppID assigned by the IM console when an application is created.
identifier	Must be the app admin account. For more information, please see the **App Admin** section in Login Authentication.
usersig	The signature generated by the app admin account. For more information on the operation, please see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is always `json` .

Maximum call frequency

200 times/second

Sample request packet

This API is used to obtain the number of online users in a live stream group (AVChatRoom). The number of online users is updated every 10s. We recommend that the service-end queries the number of online users every 10s and synchronizes it to all users in the group.

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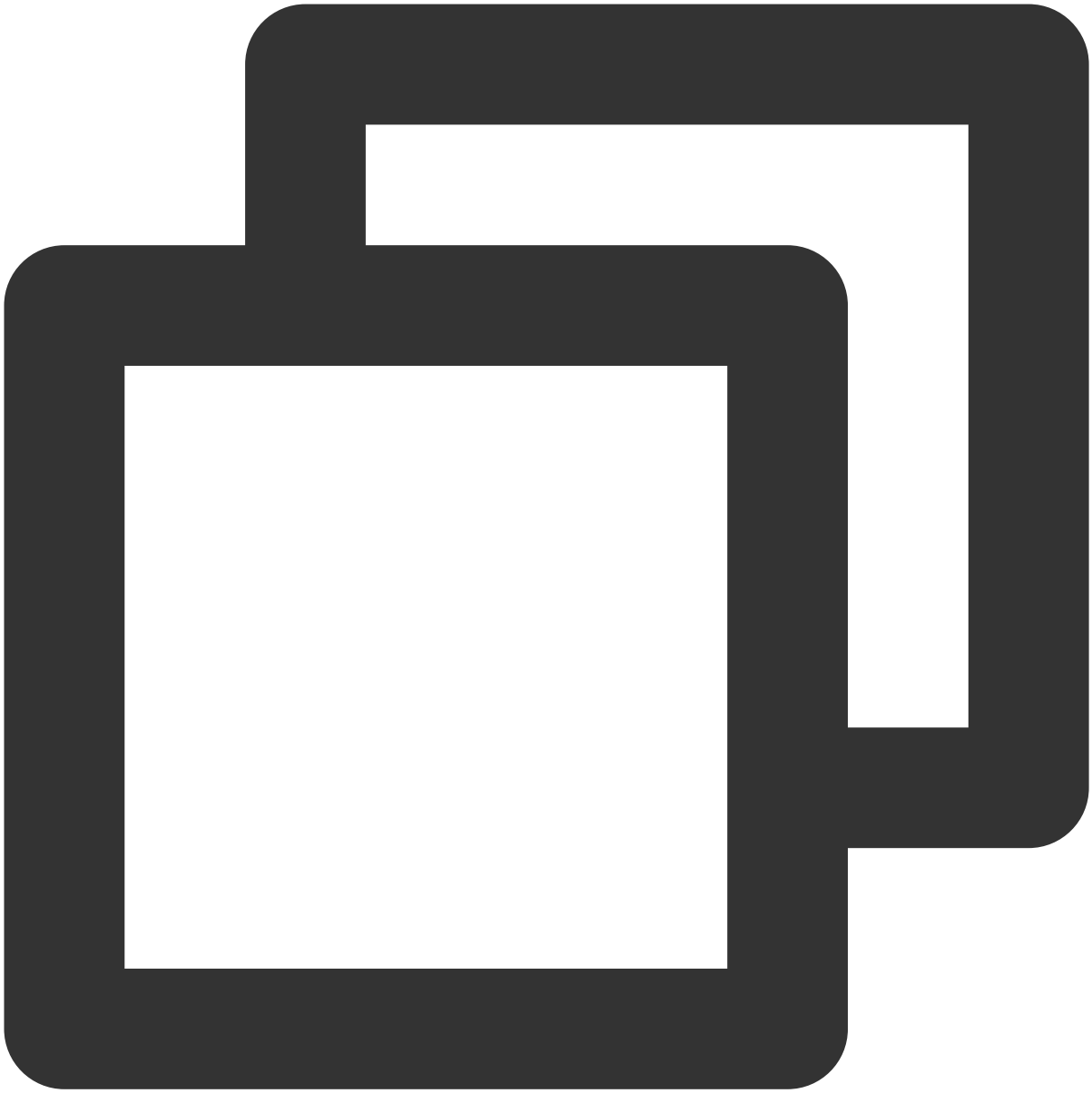

```
{
    "GroupId":"@TGS#a6I4ZUUGO"
}
```

Request packet fields

Field	Type	Required	Description
GroupId	String	Yes	The group ID.

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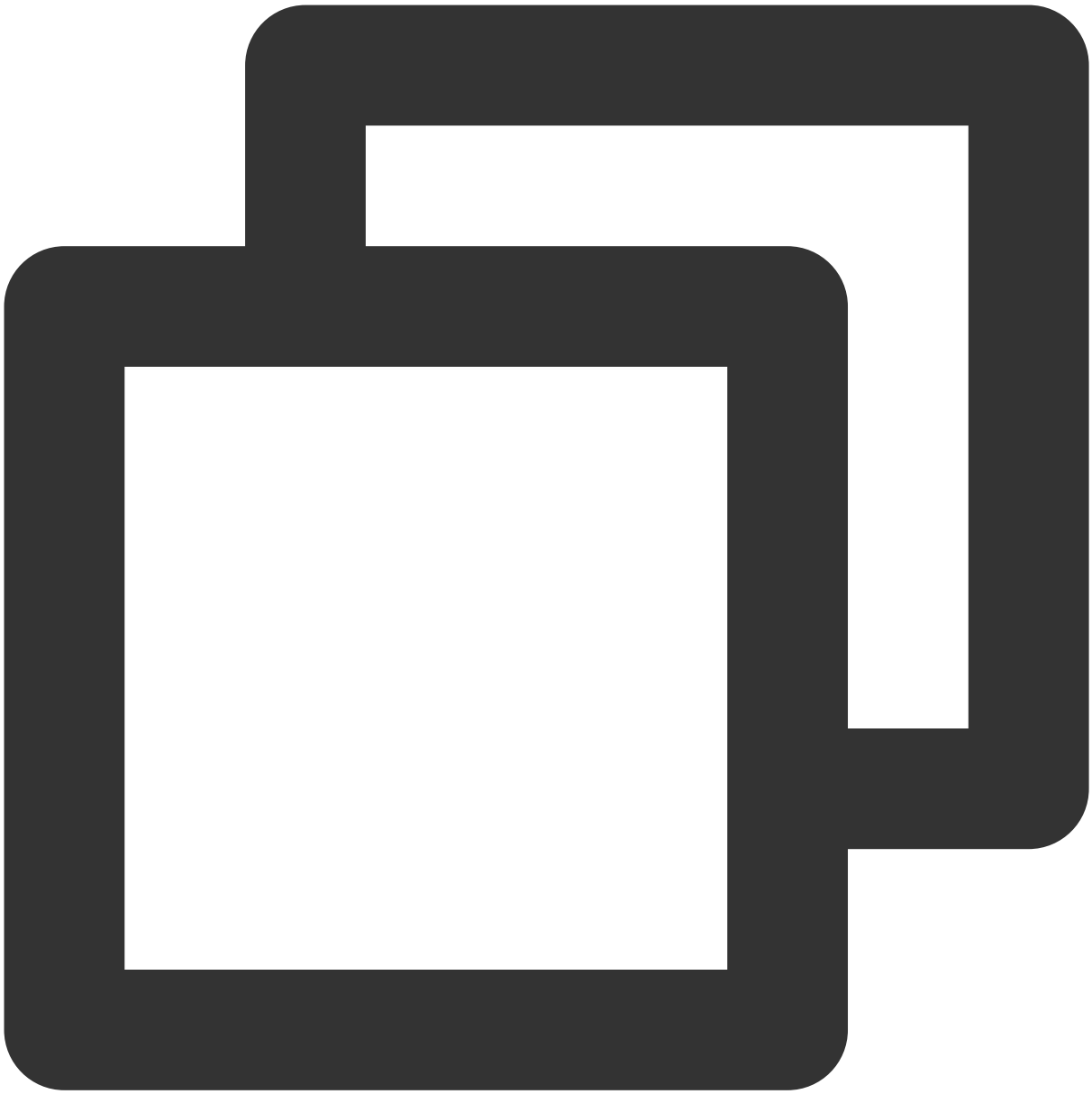
Sample response packet



```
{
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode": 0,
    "OnlineMemberNum":1000 // Number of online users
}
```

Response packet fields

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Field	Type	Description
ActionStatus	String	The request result. `OK` : succeeded. `FAIL` : failed.
ErrorCode	Integer	The error code. `0` : succeeded. Other values: failed.
ErrorInfo	String	The error information.
OnlineMemberNum	Integer	The number of online users in the group.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes 60000 to 79999, please see Error Codes.

The following table describes the error codes specific to this API.

Error Code	Description
10002	A system error occurred. Try again or contact technical support.
10003	The request command is invalid. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10007	You do not have required permissions. You can only obtain the number of online users for live stream groups.
10010	The group does not exist or has been disbanded.
10015	The group ID is invalid. Please check the group ID.

Debugging Tool

Use the REST API online debugging tool to debug this API.

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Getting the List of Online Members in Audio-Video Group

Last updated：2024-07-16 11:15:59

Feature Overview

This API is used to get the list of online members in an audio-video group based on the group ID. To use this feature, you need to purchase the Premium edition, go to the Chat console, select **Group feature configuration**, and enable **List of online audio-video group members**. In other plan editions, the list of up to 30 latest group members will be returned after this API is called.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	Yes

These are the preset group types in Chat. For more information, see Group System.

Note

To use this feature, you need to purchase the Premium edition and enable the **List of online audio-video group members** feature on the **Group feature configuration** page in the console.

For other plan editions, the list of up to 30 latest group members will be returned after this API is called.

The list of group members is updated once every 10 seconds.

When there are more than 1,000 members in an audio-video group, only the 1,000 latest online members will be returned after this API is called.

When the group size is greater than or equal to 300, or when there are web users, the number of online users will be updated 10s to 20s after a user joins or quits the group.

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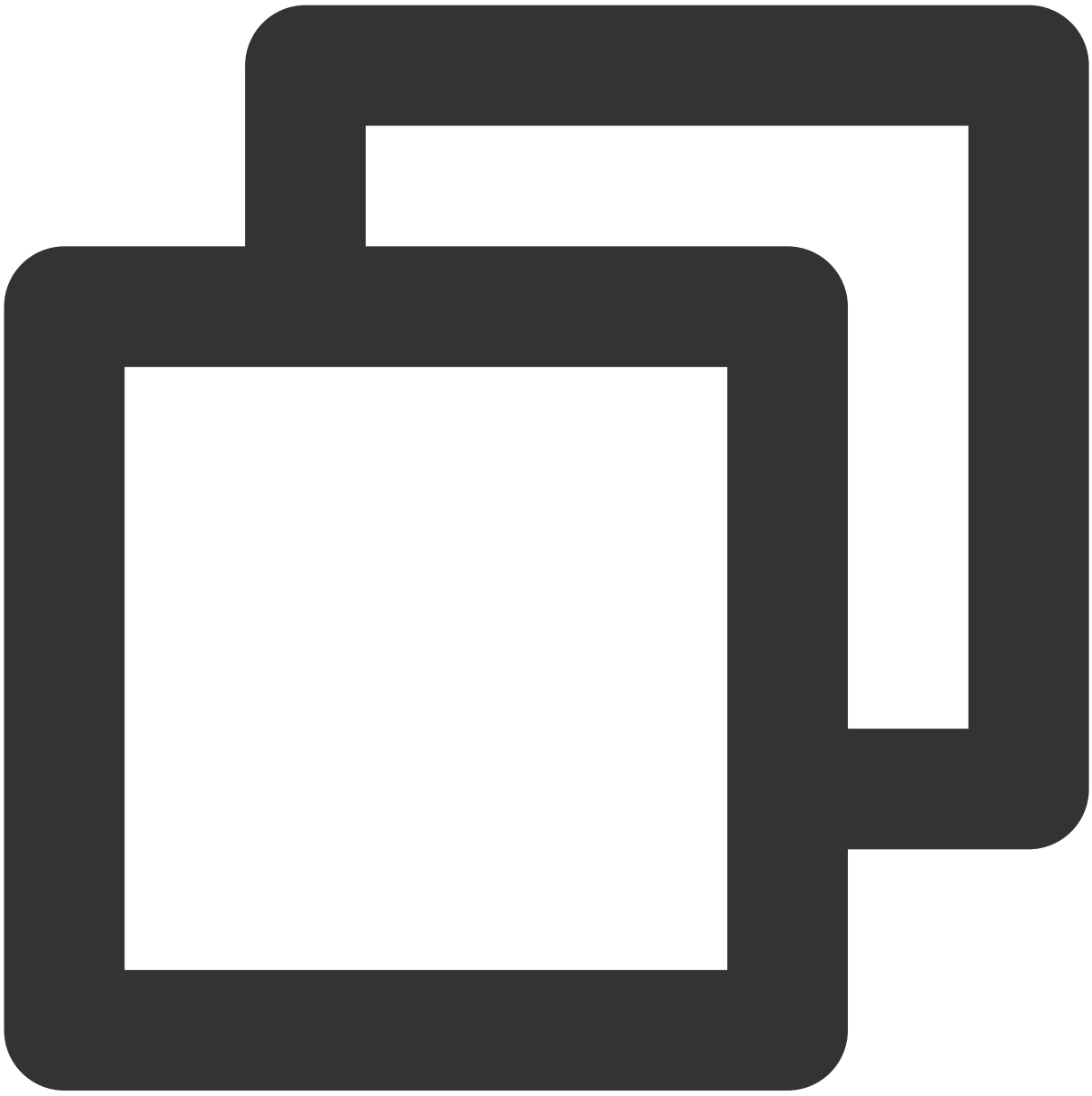
When the group size is less than 300 and when there are no web users, the number of online users is updated immediately after a user joins or quits the group.

Sample request URL



```
https://xxxxxx/v4/group_open_avchatroom_http_svc/get_members?sdkappid=88888888&iden
```

Request parameters

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The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_avchatroom_http_svc/get_members	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

This API is used to get the number of online members in an audio-video group (AVChatRoom), which is collected once every 10 seconds.

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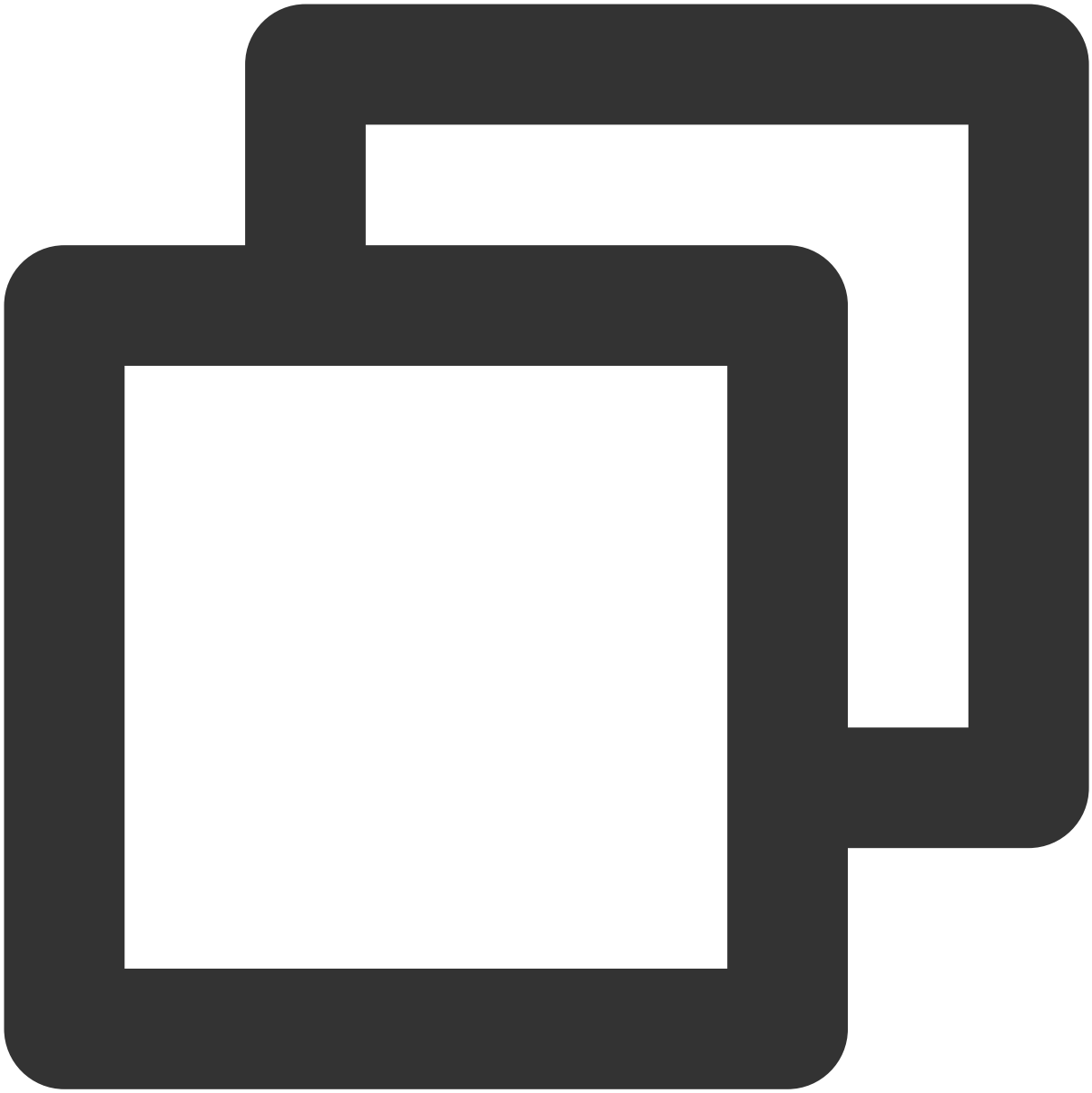

```
{
    "GroupId":"@TGS#a6I4ZUUGO",
    "Timestamp": 0
}
```

Only the group members marked as `1000` will be obtained.

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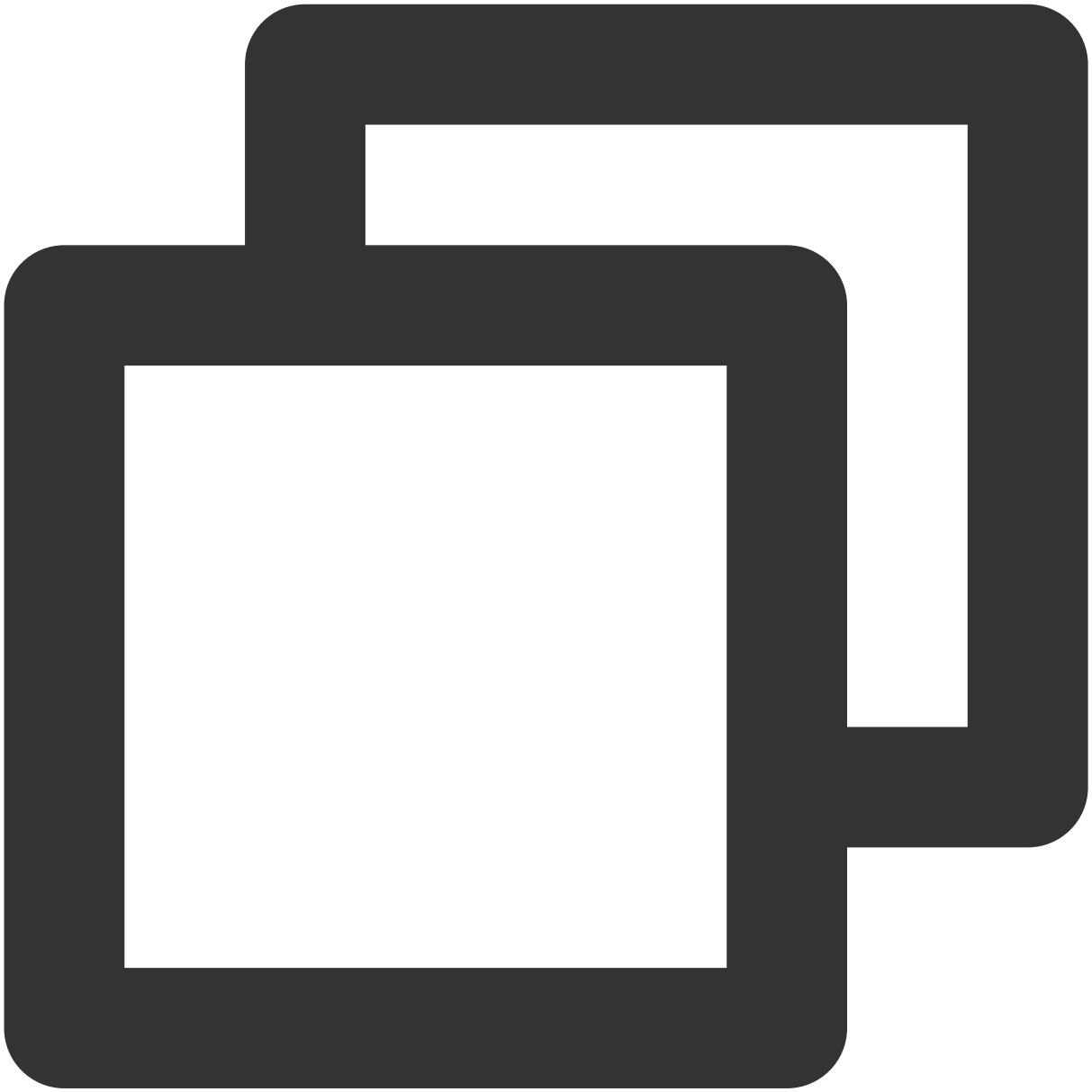

```
{
    "GroupId":"@TGS#a6I4ZUUGO",
    "Mark": 1000,
    "Timestamp": 0
}
```

Request fields

Field	Type	Required	Description

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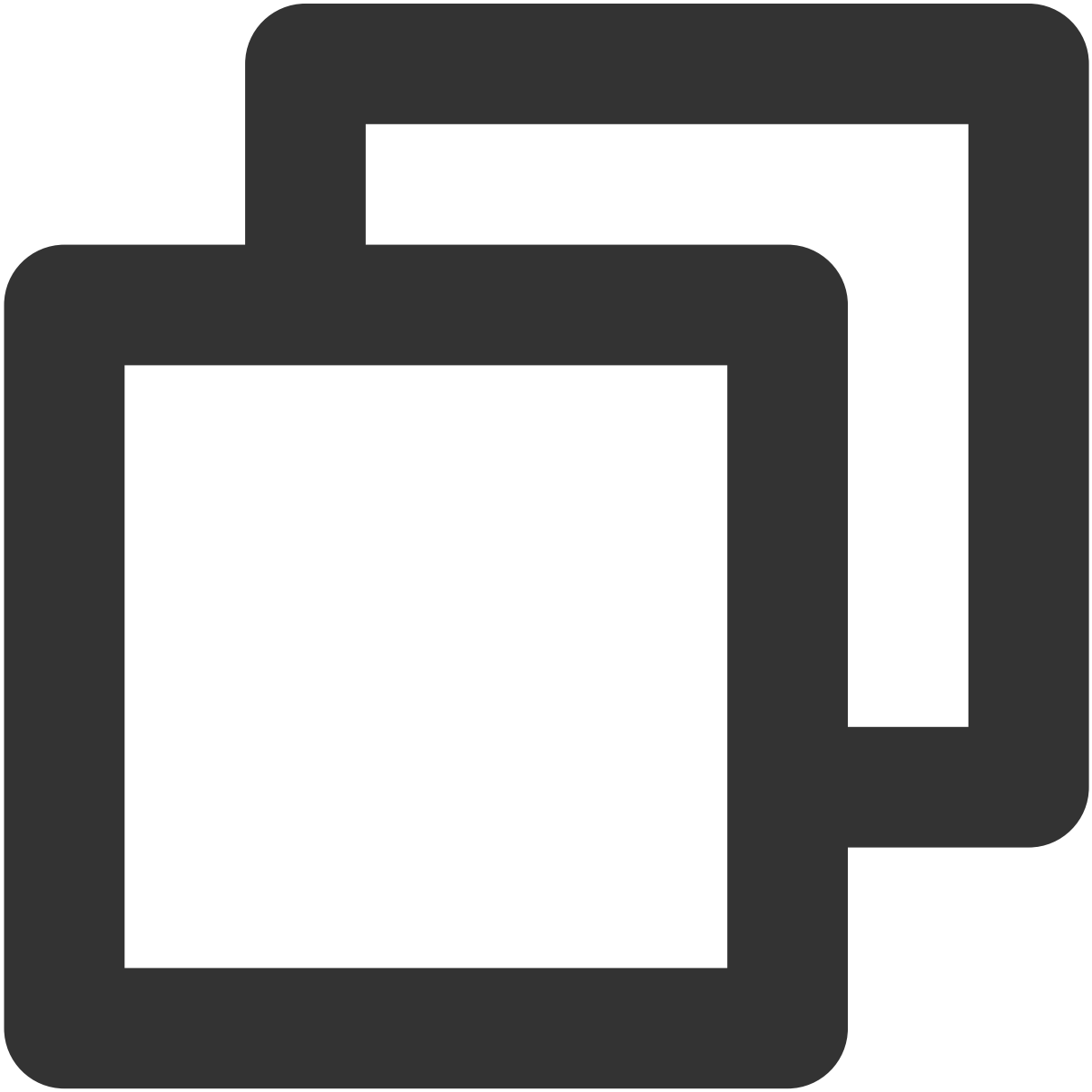
GroupId	String	Yes	ID of the target group
Timestamp	Integer	Yes	For the first request, the value is `0`. If the audio-video group has 500 or less members, the backend returns all members and `NextTimestamp` with the value `0`. If the audio-video group has more than 500 members, the backend returns `NextTimestamp` with a non-zero value, which is used as the value of `Timestamp` for the next request for pulling the remaining members.

Sample response



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```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "MemberList": [
        {
            "JoinTime": 1657773110,
            "Member_Account": "teacher2",
            "NickName": "Teacher t02",
            "Avatar": "http://www.example.com/teacher2.jpg"
        }
    ],
    "NextTimestamp": 0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MemberList	Object	Online accounts of the group. `Member_Account` is the `UserID` of a user, and `JoinTime` is the time when the user joined the group.
NextTimestamp	Integer	Pulling-by-page flag. If the value is not `0` , more members can be returned. You need to set the value in the `Timestamp` request parameter to pull more members. If it is `0` , all the members have been returned.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10001	The user is not logged in. Check whether the `admin` account and `usersig` are correct.
10002	A system error occurred. Try again or contact technical support.

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10003	The request command is invalid. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10007	You do not have required permissions. You can only obtain the number of online users for audio-video groups.
10010	The group does not exist or has been deleted.
10015	The group ID is invalid. Please check the group ID.

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Setting Audio-Video Group Member Marks

Last updated：2024-07-16 11:15:59

Feature Overview

App admins and group owners can set different marks/labels for audio-video group members to distinguish different types of group members. To use this feature, you need to purchase the Premium edition, enable **List of online audio-video group members** on the **Group configuration** page of the Chat console. For other plan editions, calling this API will fail.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Note

To use this feature, you need to purchase the Premium edition and enable the **List of online audio-video group members** feature on the **Group configuration** page in the console.

For other plan editions, calling this API will fail.

For audio-video group, up to 10 different marks can be set.

Each mark can be set for up to 1,000 members. This limit is independent from the 1,000-member limit on the list of online members of an audio-video group.

Marks can be set only for online group members, except the special mark 500, which is described in the "Special marks" part. When a member leaves a group or goes offline, its mark information will be cleared. When the member joins the group or goes online again, you can reset a mark for the member through a webhook.

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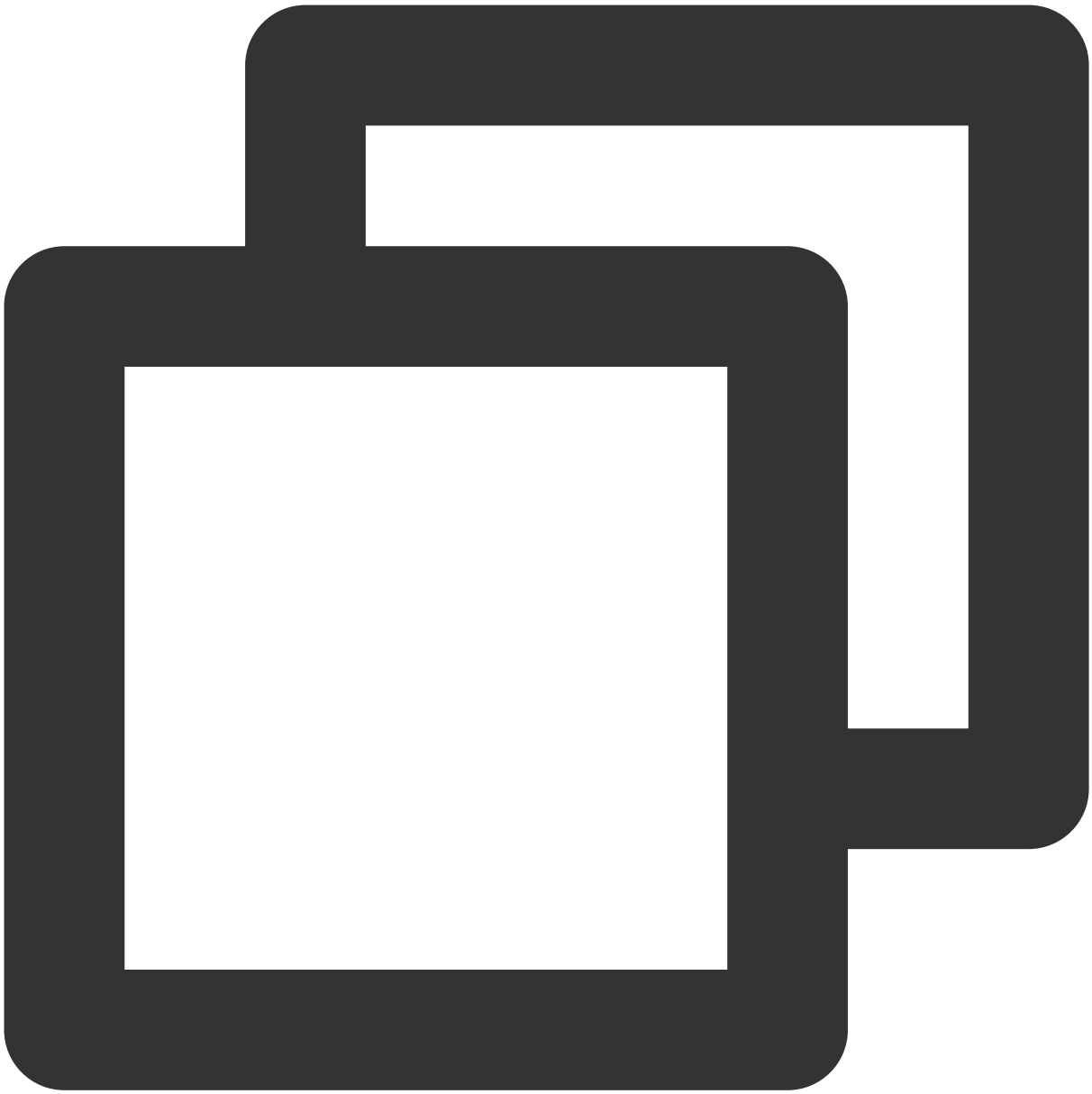
Sample request URL



```
https://xxxxxx/v4/group_open_avchatroom_http_svc/modify_user_info?sdkappid=88888888
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description

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xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_member_info	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Set mark 1000 for member "teacher10" and mark 1001 for member "student9" of an audio-video group:

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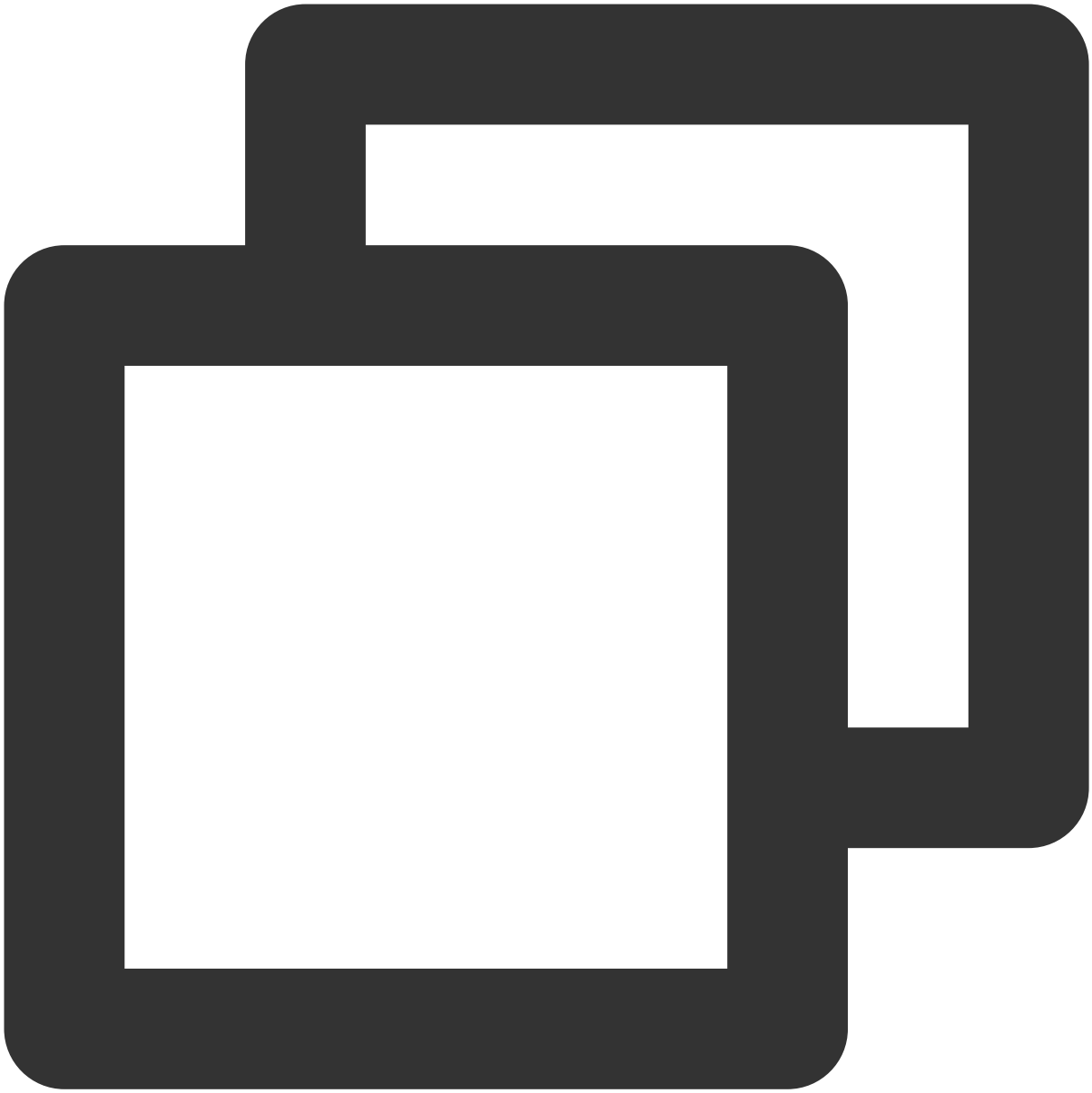

```
{
    "GroupId": "@TGS#a6I4ZUUGO",
    "CommandType": 1,
    "MemberList": [
        {
            "Member_Account": "teacher10",
            "Marks": [1000]
        },
        {
            "Member_Account": "student9",
            "Marks": [1001]
```

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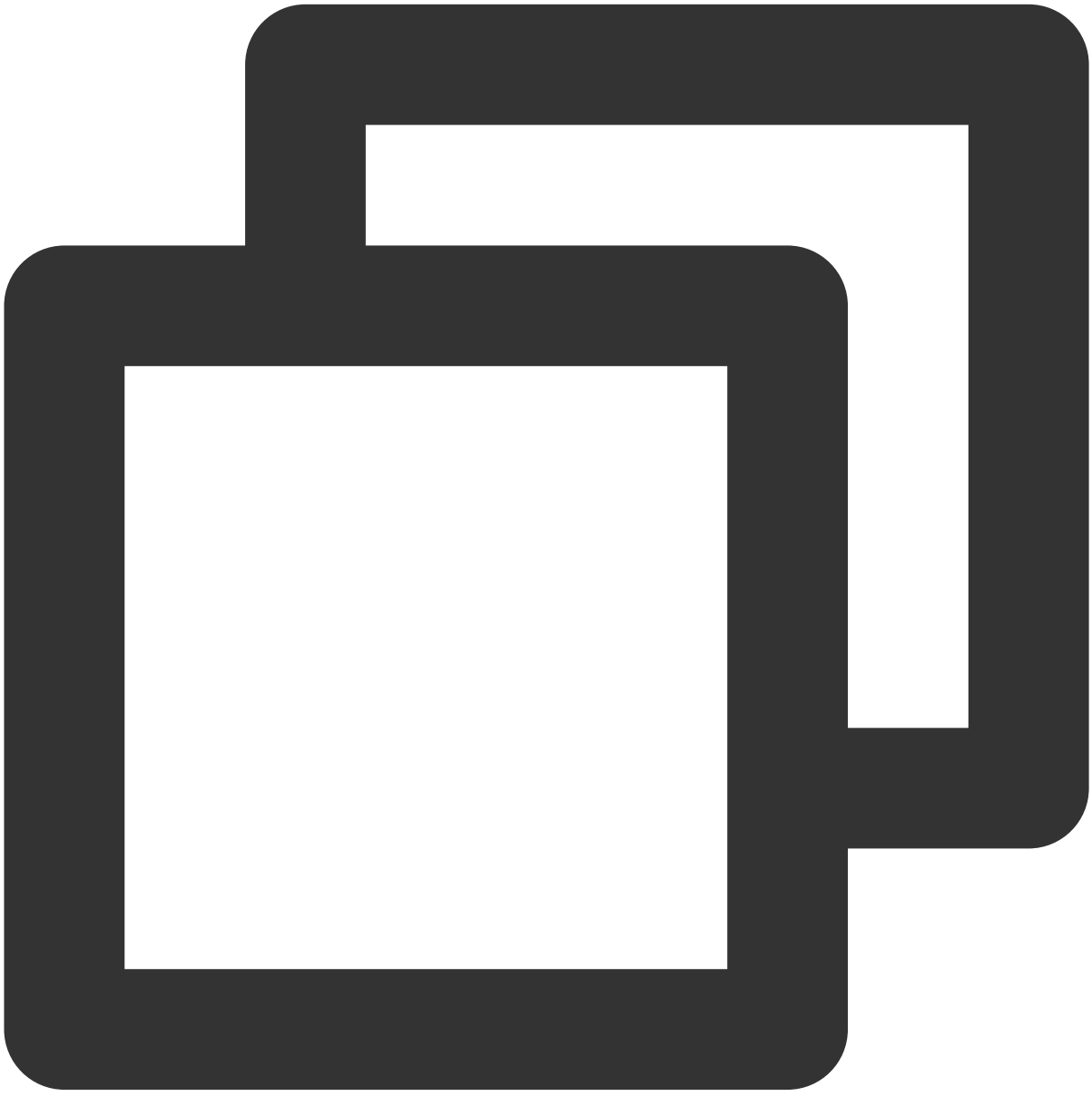
```
            },
        ]
}
```

Cancel mark 1000 for member "teacher10" and mark 1001 for member "student9" of the audio-video group:



```
{
    "GroupId": "@TGS#a6I4ZUUGO",
    "CommandType": 2,
    "MemberList": [
        {
            "Member_Account": "teacher10",
```

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```
            "Marks": [1000]
        },
        {
            "Member_Account": "student9",
            "Marks": [1001]
        },
    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	The ID of the Group whose historical messages will be modified
CommandType	Integer	Yes	`1` : Mark setting; `2` : Mark deletion
MemberList	Array	Yes	List of accounts for which marks are to be set. Up to 500 accounts are supported each time, and up to 10 different marks can be set for each group. A mark is a number greater than or equal to 1,000.

Sample response

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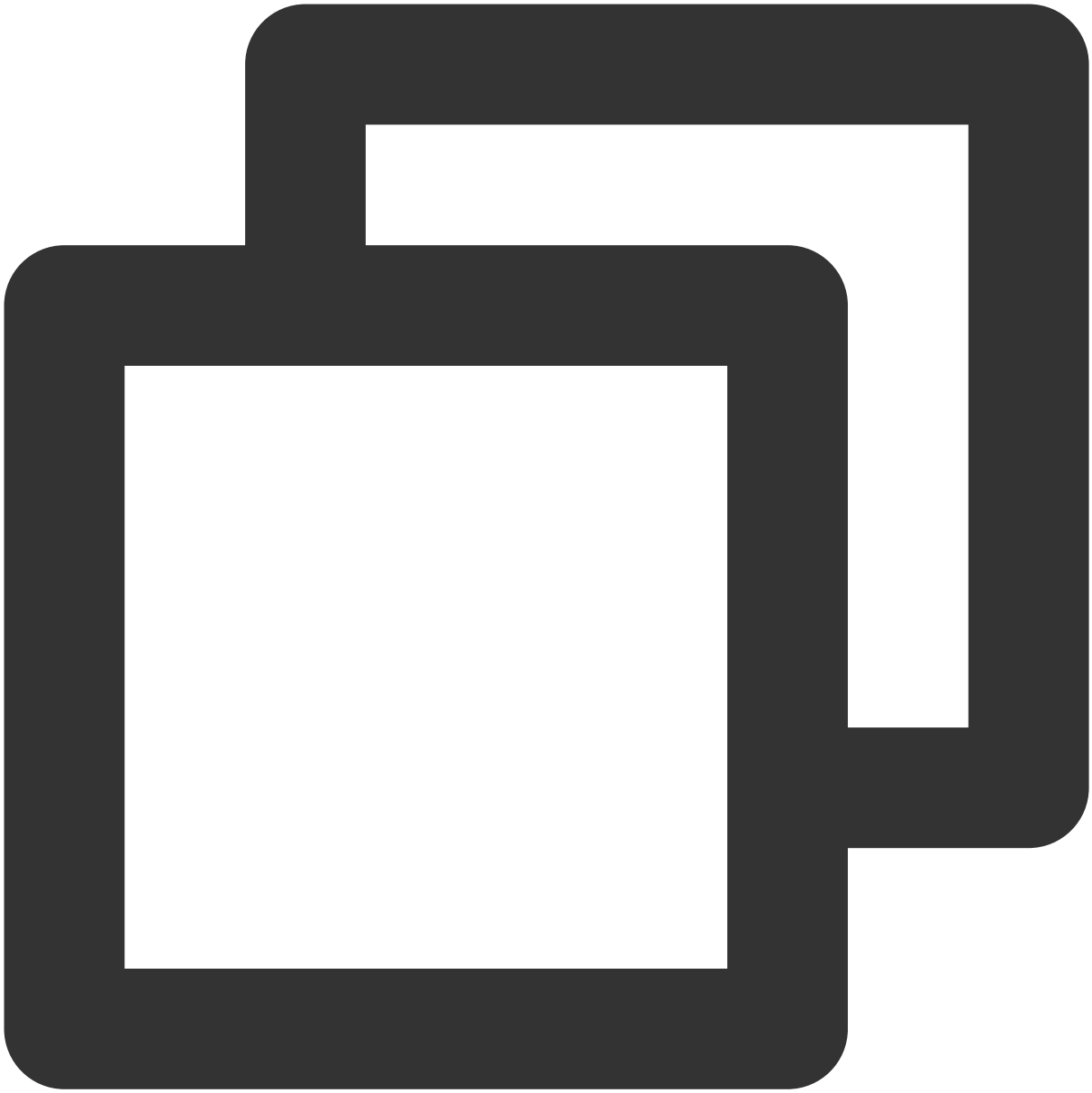


```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "CommandType": 1,
    "MemberList": [
        {
            "Member_Account": "teacher10",
            "Marks": [1000]
        },
        {
```


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```
            "Member_Account": "student9",
            "Marks": [1001]
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
MemberList	Object	List of members whose marks are successfully set. In the case of mark setting for a batch of accounts, if certain accounts are offline, the backend does not return the offline accounts; if all accounts are offline or do not exist, the backend returns a failure result.

Special marks

App admins and group owners can set marks within the range [1000, +) for group members. In addition, app admins can set the following special marks that are preset in Chat:

Mark	Description
500	When mark 500 is set for a member, the member is considered to be always online (disconnection events ignored) for a maximum of three days.
600	When a member is set with mark 600, the member is hidden when the list of online members is pulled, unless the list is explicitly specified to be pulled by the member's mark.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description

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10001	The user is not logged in. Check whether the `admin` account and `usersig` are correct.
10002	A system error occurred. Try again or contact technical support.
10003	The request command is invalid. Try again or contact technical support.
10004	A parameter is invalid. Check the `ErrorInfo` field in the response packet to see whether the required fields have been specified or whether the fields are set according to protocol requirements.
10007	Insufficient permission. Only the app admin or group owner can call this API.
10010	The group does not exist or has been deleted.
10015	The group ID is invalid. Please check the group ID.

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Getting the List of Banned Group Members

Last updated：2024-07-16 11:20:06

Feature Overview

You can use this API to get the list of banned members of an audio-video group.

Note

Audio-video group member banning is supported by SDK Enhanced edition v6.6 or later and web SDK v2.22.0 or later. To use it, you need to purchase the Premium edition, go to the console, choose **Feature configuration** > **Group configuration** > **Group feature configuration**, and enable **Audio-video group member banning**.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	No. Same as work groups (Work) in the new version.
Public	No
ChatRoom	No. Same as meeting groups (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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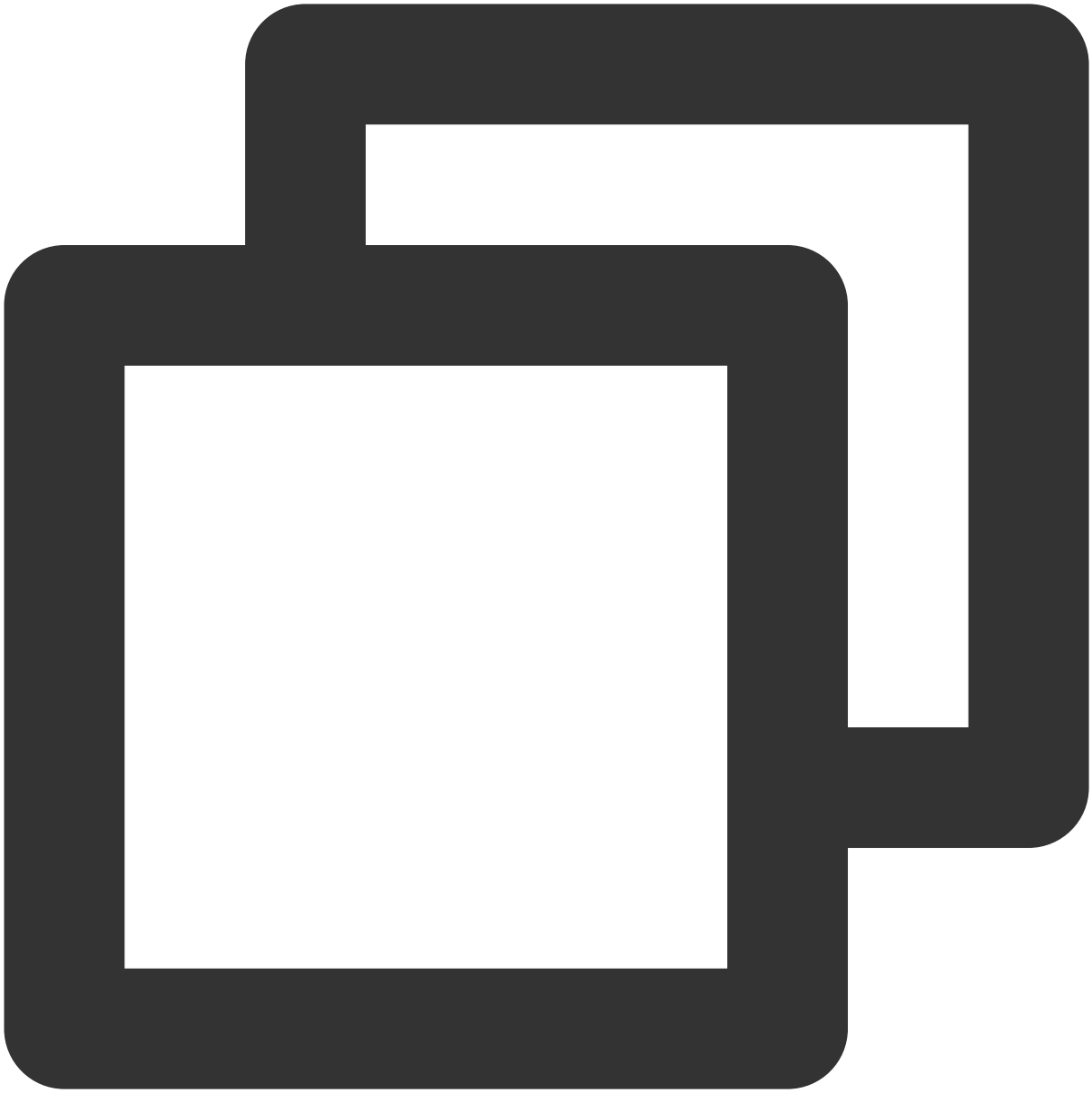

```
https://xxxxxx/v4/group_open_http_svc/get_group_ban_member?sdkappid=88888888&identi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_group_ban_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

It is used to deliver broadcast messages to all the audio-video groups.

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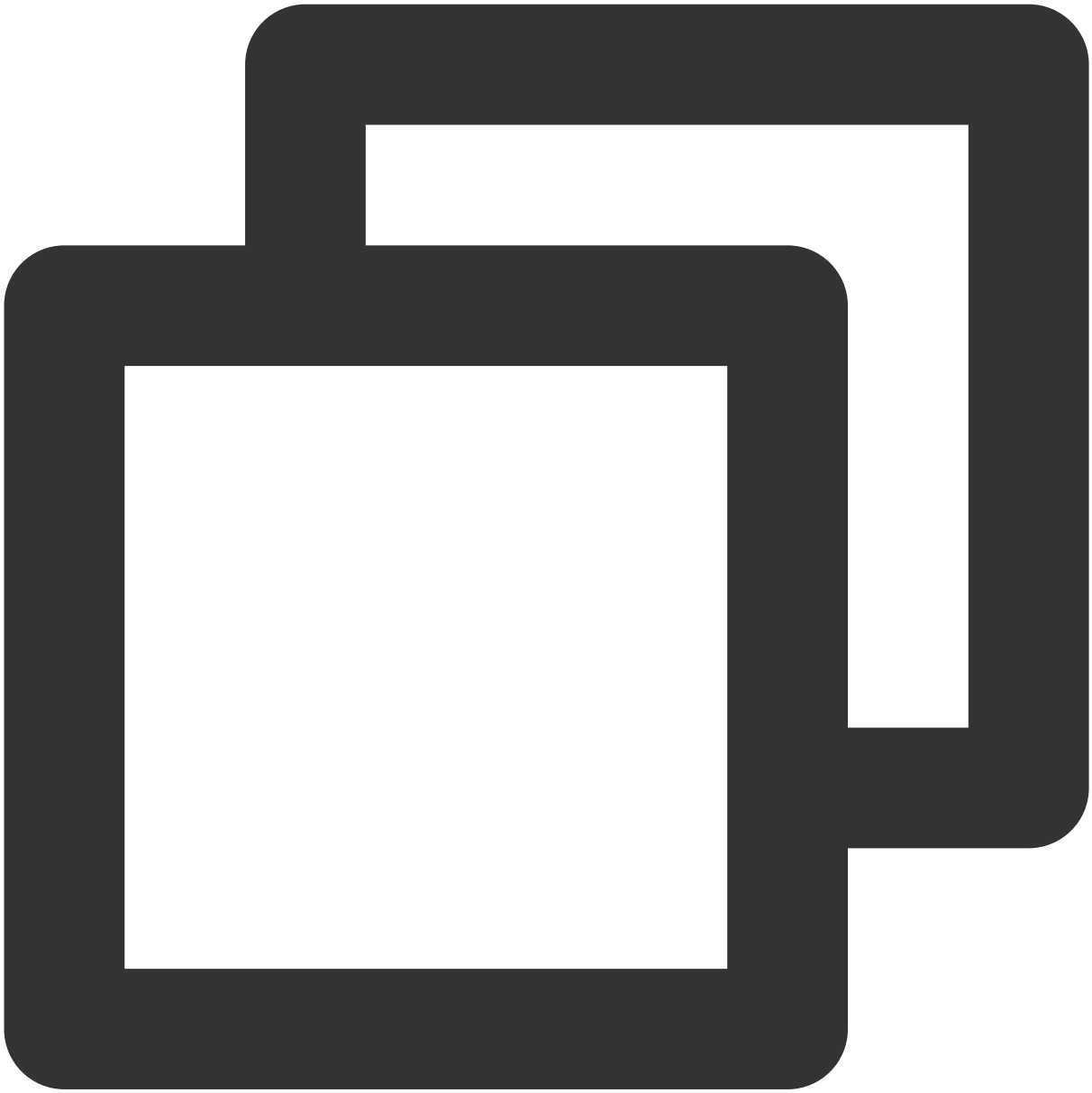

```
{
    "GroupId": "@TGS#aJRGC4MH6",  // Group ID
    "Limit":20, // Number of banned members to be pulled per page each time. The ma
    "Offset": 0 // Offset. For the first request, set `Offset` to 0. For subsequent
}
```

Request fields

Field	Type	Required	Description

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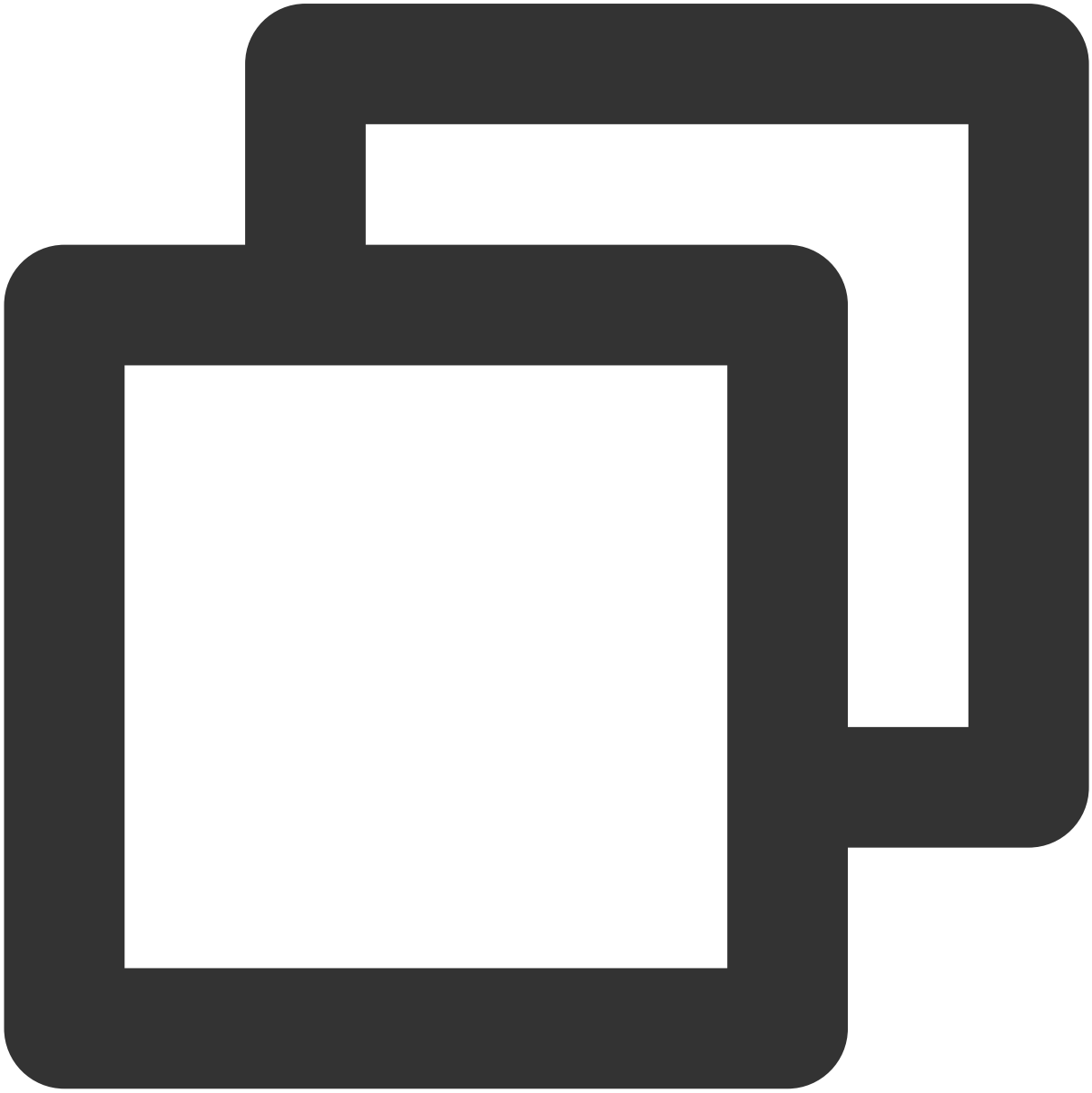
GroupId	String	Yes	ID of the group whose members are to be unbanned
Limit	Integer	No	Number of unbanned users to be obtained each time. The maximum value allowed is 100.
Offset	Integer	Yes	Offset. For the first request, set `Offset` to 0. For subsequent requests, set `Offset` to the value of `NextOffset` in the response packet.

Sample response



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```
{
    "ActionStatus": "OK",
    "BannedAccountList": [
        {
            "BannedUntil": 1660875916,
            "Member_Account": "brennanli1"
        },
        {
            "BannedUntil": 1660875916,
            "Member_Account": "brennanli12"
        }
    ],
    "ErrorCode": 0,
    "ErrorInfo": "",
    "NextOffset": 2
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
BannedAccountList	Array	Information of banned members. `BannedUntil` indicates the banning end time of banned members. `Member_Account` indicates the account IDs of banned members.
NextOffset	Integer	Offset value of the next request. If this field is `0` , the list of banned members of the AVChatRoom group is fully pulled.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description

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10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10005	The number of members to be unbanned exceeds the maximum limit of 20 members per request.
10007	Insufficient operation permissions. For example, the switch is not enabled in the console, or the operating account is not the root account.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Community Management
Creating Topic

Last updated：2024-07-16 11:20:06

Feature Overview

This API is used by the app admin to create a topic.

API Calling Description

Applicable group types

Group Type ID	Whether This RESTful API Is Supported
Private	No
Public	No
ChatRoom	No
AVChatRoom	No
Community	This API applies only to topic-enabled communities.

These are the preset group types in Chat. For more information, see Group System.

Note:

To use the topic feature, you need to go to the console, choose **Feature Configuration** > **Group configuration** > **Group feature configuration** > **Community**, enable the community feature and then enable the topic feature.

Sample request URL

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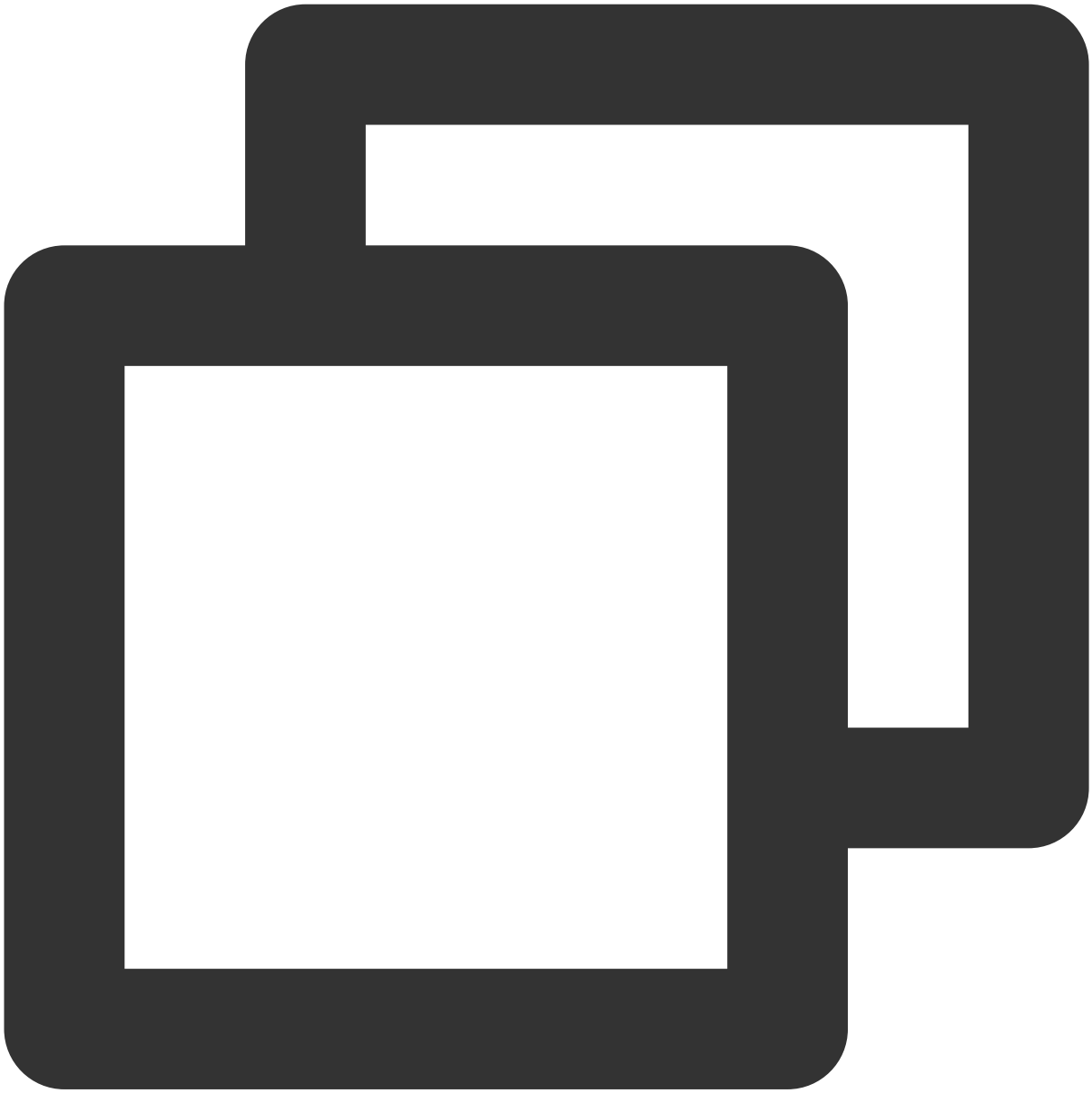

```
https://xxxxxx/v4/million_group_open_http_svc/create_topic?sdkappid=88888888&identi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/million_group_open_http_svc/create_topic	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

Basic format

Create a topic. Here, `GroupId` is required, which indicates the group of the topic. Before creating a topic, a topic-enabled group must exist.

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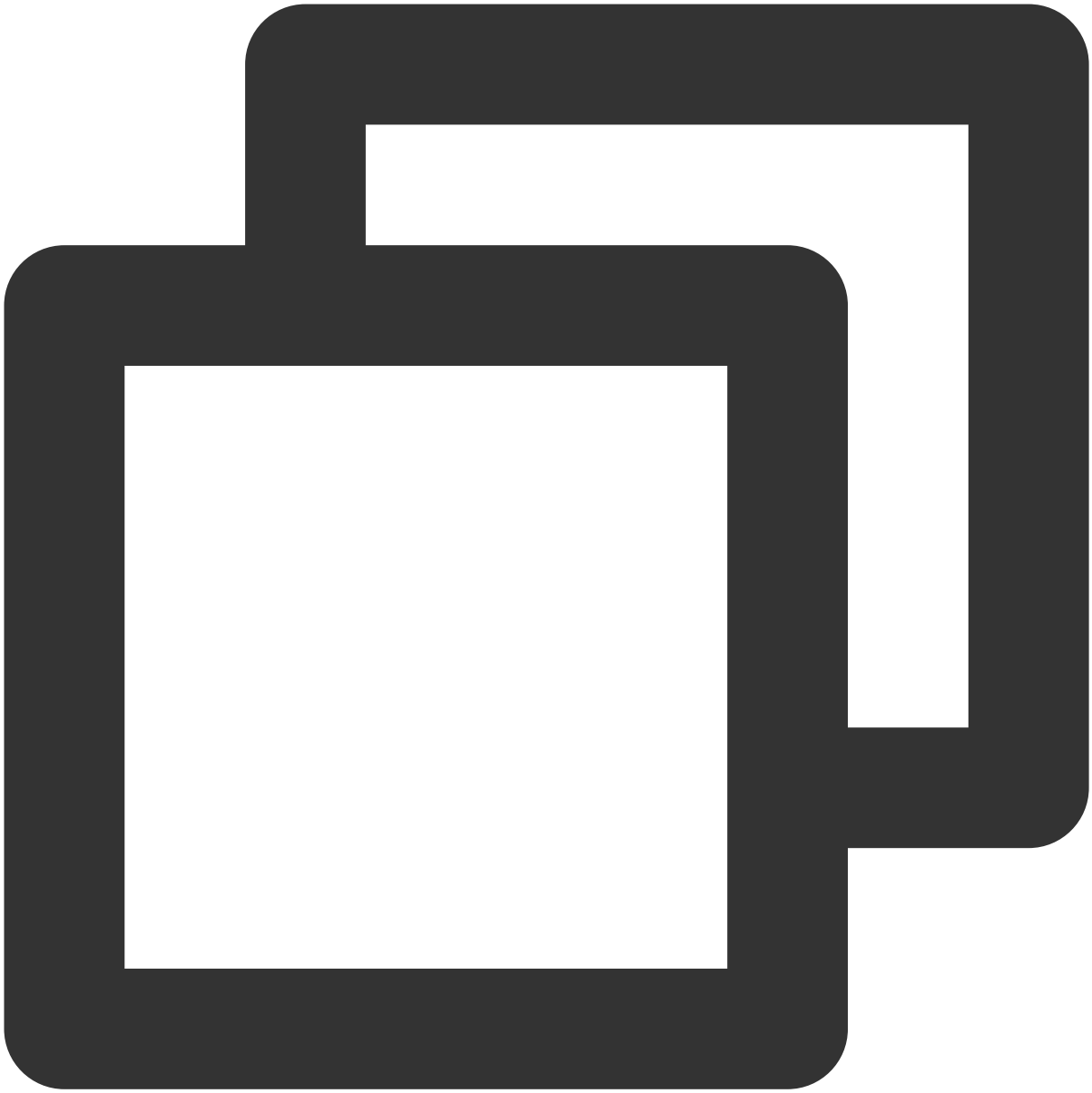

```
{
  "GroupId": "@TGS#_@TGS#cQVLVHIM62CJ", // Group ID of the topic, which is required
  "TopicName": "TestTopic"              // Topic name, which is required
}
```

Customize the topic ID

To simplify the topic ID, Tencent Cloud allows customizing it in the format of "GroupId+@TOPIC#_+Custom part" during topic creation through the RESTful API in the application. For more information, see Group System.

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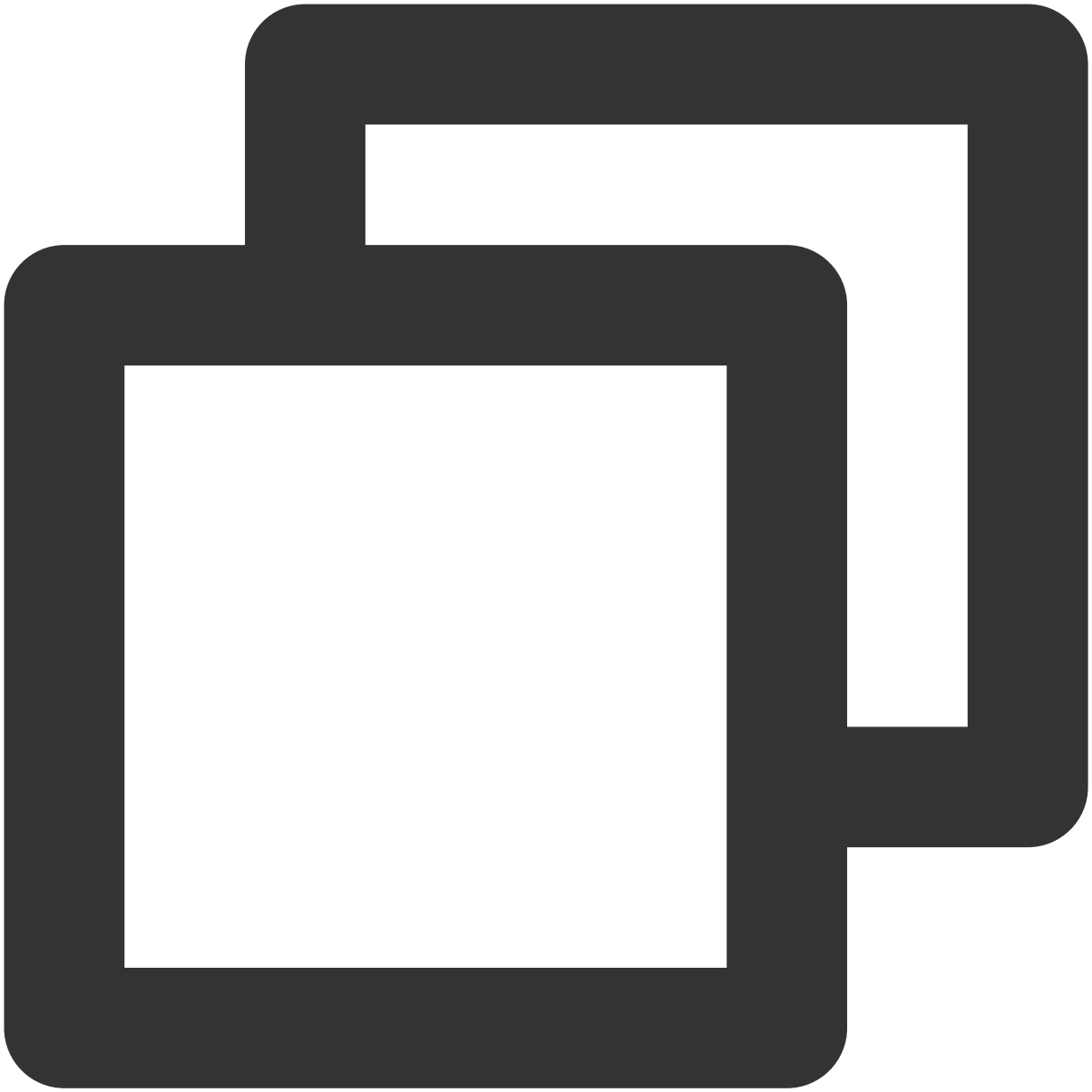

```
{
  "GroupId": "@TGS#_@TGS#cQVLVHIM62CJ", // Group ID of the topic, which is required
  "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",        // Custom topic ID,
  "TopicName": "TestTopic"              // Topic name, which is required
}
```

ALL IN ONE

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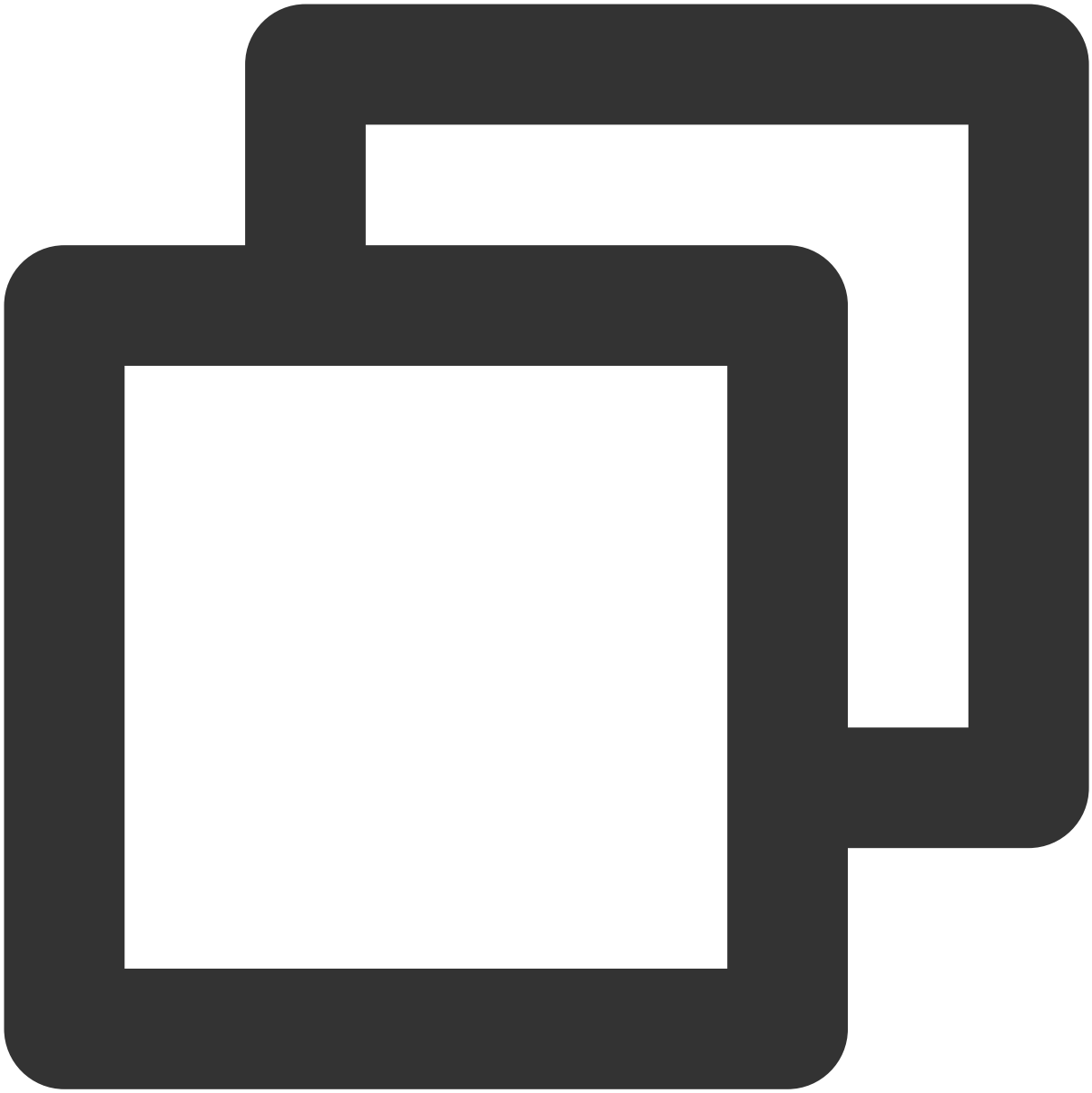

```
{
  "GroupId": "@TGS#_@TGS#cQVLVHIM62CJ", // Group ID of the topic, which is required
  "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",        // Custom topic ID,
  "TopicName": "TestTopic",             // Topic name, which is required
  "From_Account": "1400187352", // Member creating the topic
  "CustomString": "This is a custom string",    // Custom string
  "FaceUrl": "http://this.is.face.url", // (Optional) Topic profile photo URL
  "Notification": "This is topic Notification", // (Optional) Topic notice
  "Introduction": "This is topic Introduction" // (Optional) Topic introduction
}
```

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Request fields

Field	Type	Required	Description
GroupId	String	Required	Group ID of the topic to be created
TopicId	String	No	To simplify topic IDs and make them easy to remember, Tencent Cloud allows apps to customize topic IDs during topic creation through RESTful APIs. For details, see here.
TopicName	String	Yes	Topic name, whose maximum length is 30 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
From_Account	uint64	No	User account that wants to create the topic.
CustomString	String	No	Custom string, which can contain up to 3,000 bytes, encoded in UTF-8.
FaceUrl	String	No	URL of the topic profile photo, whose maximum length is 100 bytes.
Notification	String	No	Topic notice, whose maximum length is 300 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
Introduction	String	No	Topic introduction, whose maximum length is 240 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.

Sample response

Basic form, containing only basic topic information

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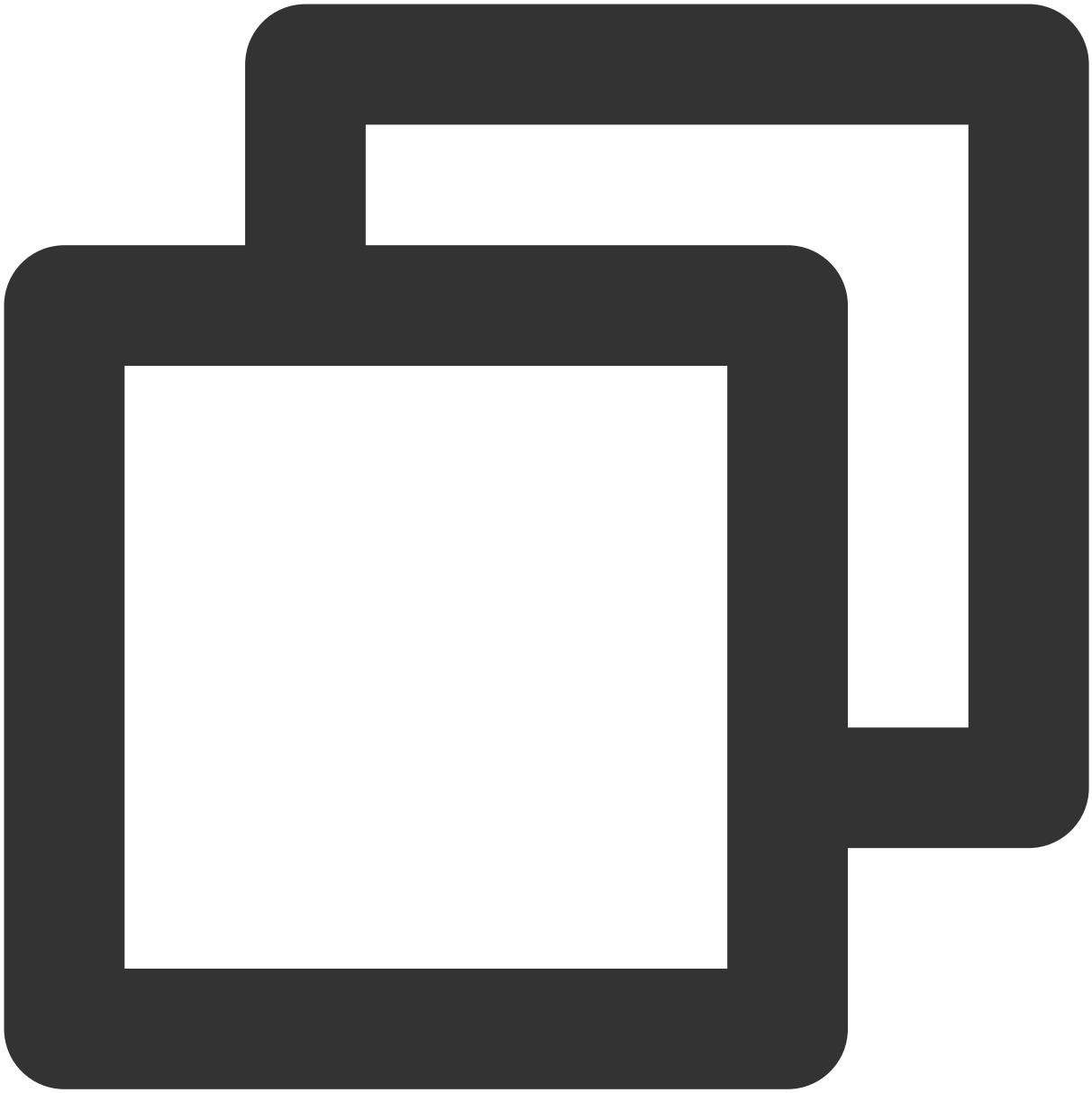

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cETE3HIM62CQ"
}
```

Custom ID and `ALL IN ONE` of the topic

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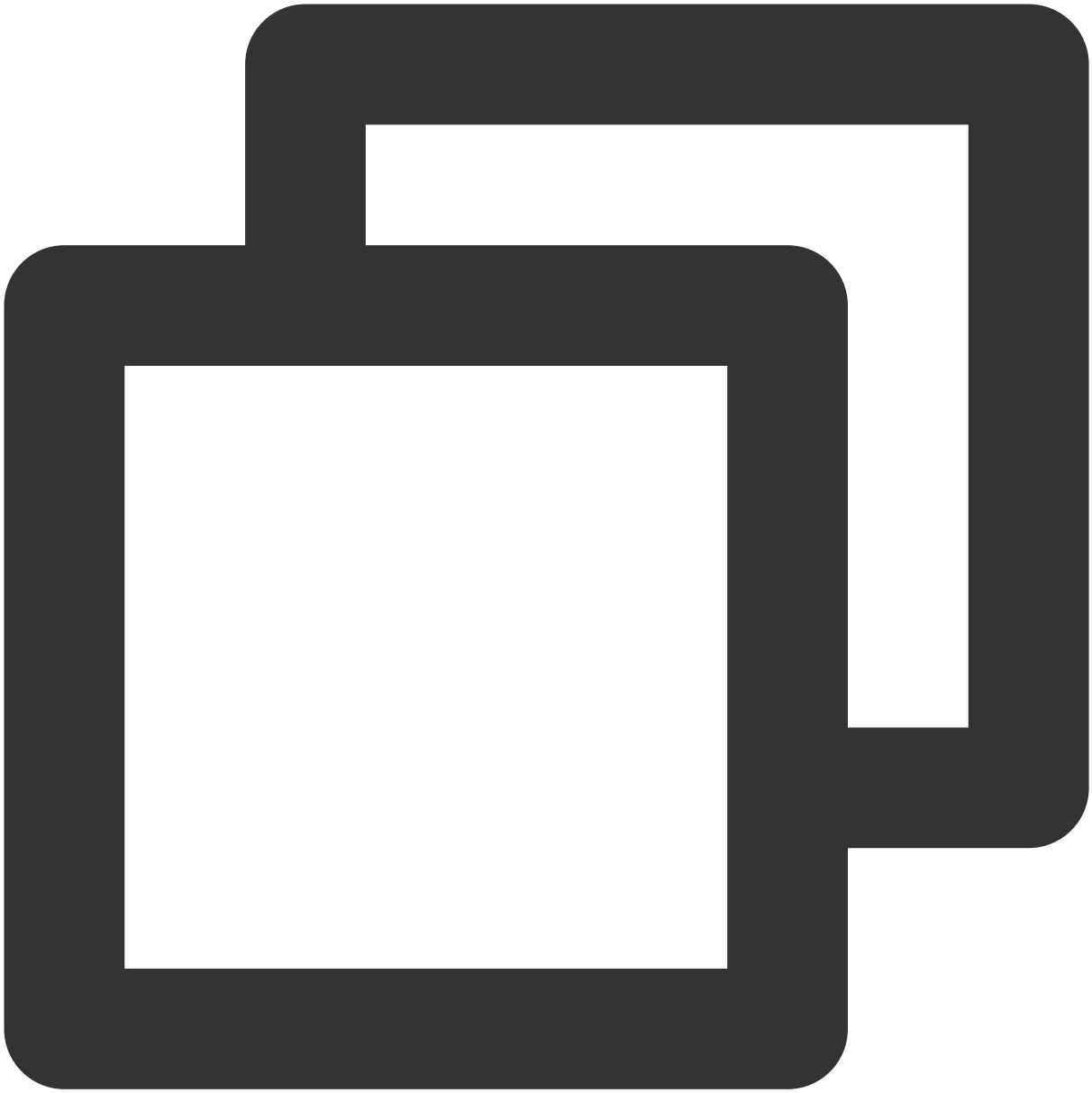

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic"
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
TopicId	String	ID of the successfully created topic, which can be customized or assigned by the Chat backend.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10006	The operation exceeds the frequency limit. Please reduce the call frequency. This error is usually caused by too much net group increase in a single day or too frequent calls to obtain all groups in the app.
10007	Insufficient operation permissions. Check the request parameters based on the error message.
10008	The request is invalid, probably because verification of the signing information in the request failed. Please try again or submit a ticket.
10010	The current group does not exist or has been deleted.
10015	The requested group ID is invalid. Check the request parameter based on the error message.
10016	The application backend rejected this operation through a wehook. Check the returned value of the webhook before topic creation.
10025	You have already used this group ID. Disband the existing group first or select another group ID.
10036	The number of audio-video groups (AVChatRoom) created exceeds the limit. Delete some of the groups or purchase an upgrade by referring to Pricing.

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10037	The number of prepaid topics created exceeds the limit. Delete some of the topics or purchase an upgrade by referring to Pricing.
11000	The current group does not support the community topic feature. To use this feature, you need to purchase the Premium edition and enable it in the console.
80001	Failed to pass the security check. Check the request parameters based on the error message.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Possible Webhooks

Before a Topic Is Created

After a Topic Is Created

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Deleting Topic

Last updated：2024-07-16 11:20:06

Feature Overview

This API is used to delete a topic.

API Calling Description

Applicable group types

Group Type ID	Whether This RESTful API Is Supported
Private	No
Public	No
ChatRoom	No
AVChatRoom	No
Community	This API applies only to topic-enabled communities.

These are the preset group types in Chat. For more information, see Group System.

Note

To use the topic feature, you need to go to the console, choose **Feature Configuration** > **Group configuration** > **Group feature configuration** > **Community**, enable the community feature and then enable the topic feature.

Sample request URL

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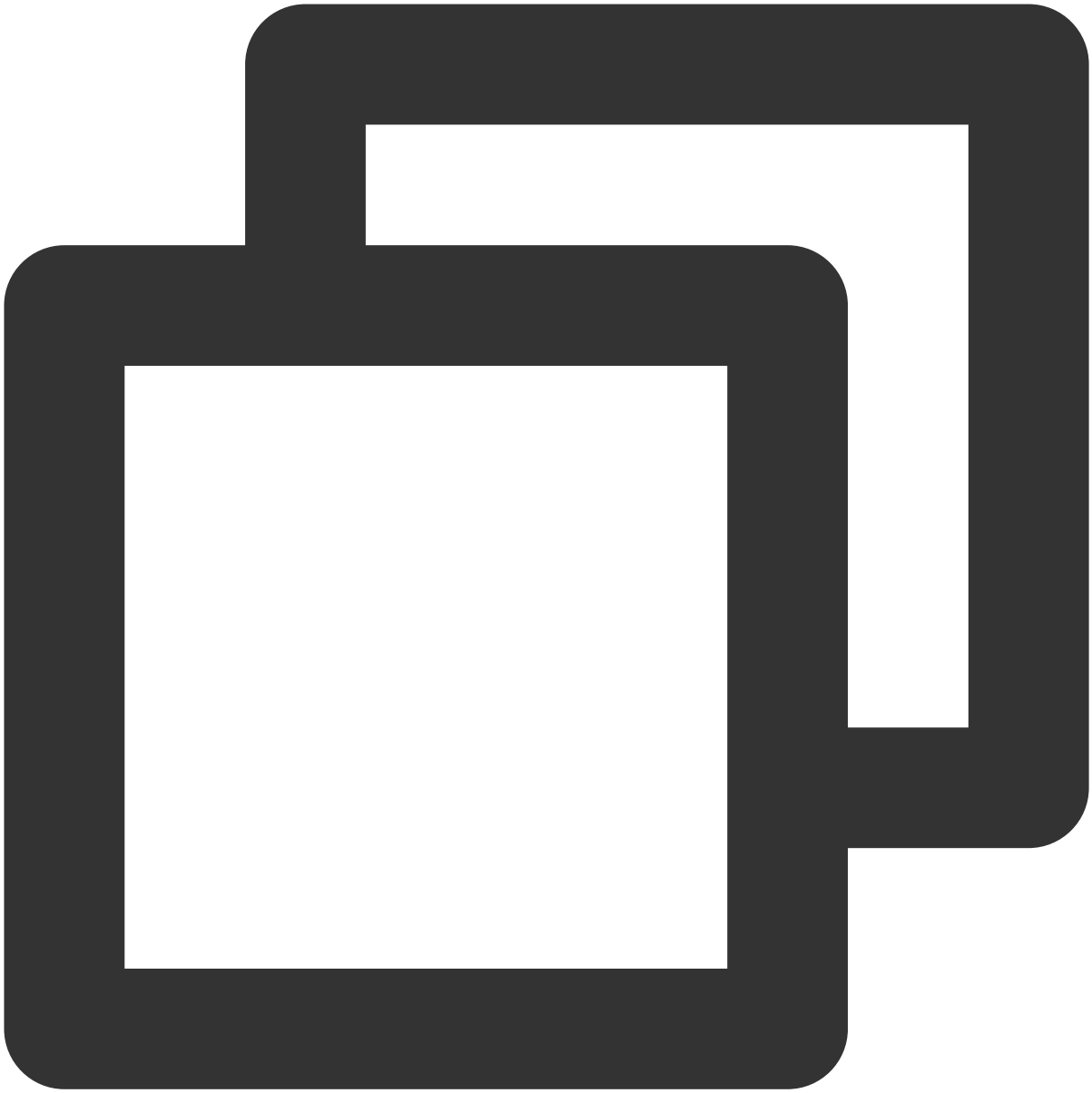

```
https://xxxxxx/v4/million_group_open_http_svc/destroy_topic?sdkappid=88888888&ident
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/million_group_open_http_svc/destroy_topic	Request API
sdkappid	The `SDKAppID` assigned by the Chat console when the application is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. Fixed value: `json` .

Maximum call frequency

200 calls per second

Sample request

Note that a topic cannot be recovered once deleted through this API.

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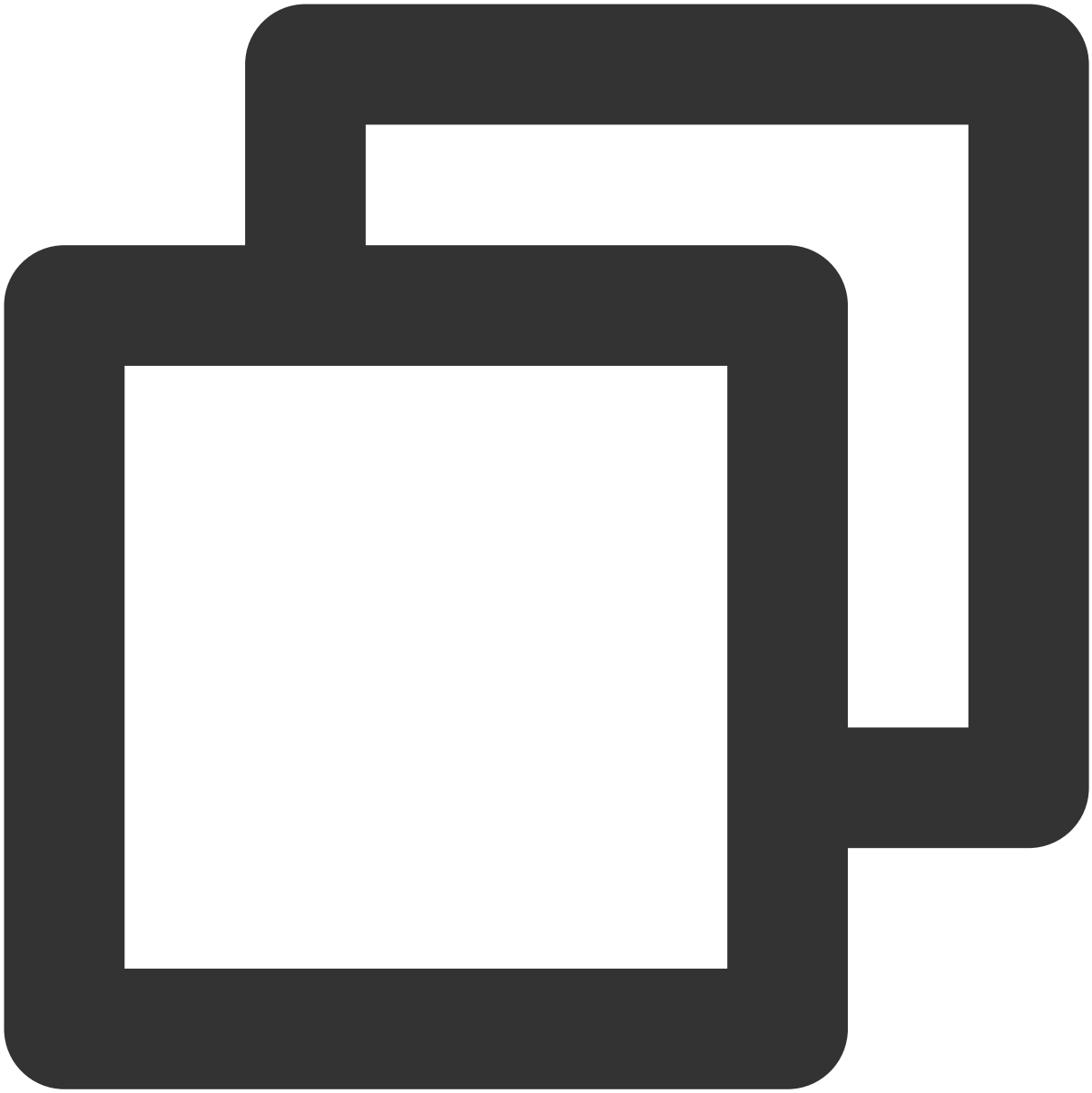

```
{
  "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",  // Group ID of the topic to be deleted
  "TopicIdList":[       // List of IDs of the topics to be deleted
     "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",
     "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic_1"
  ]
}
```

Request fields

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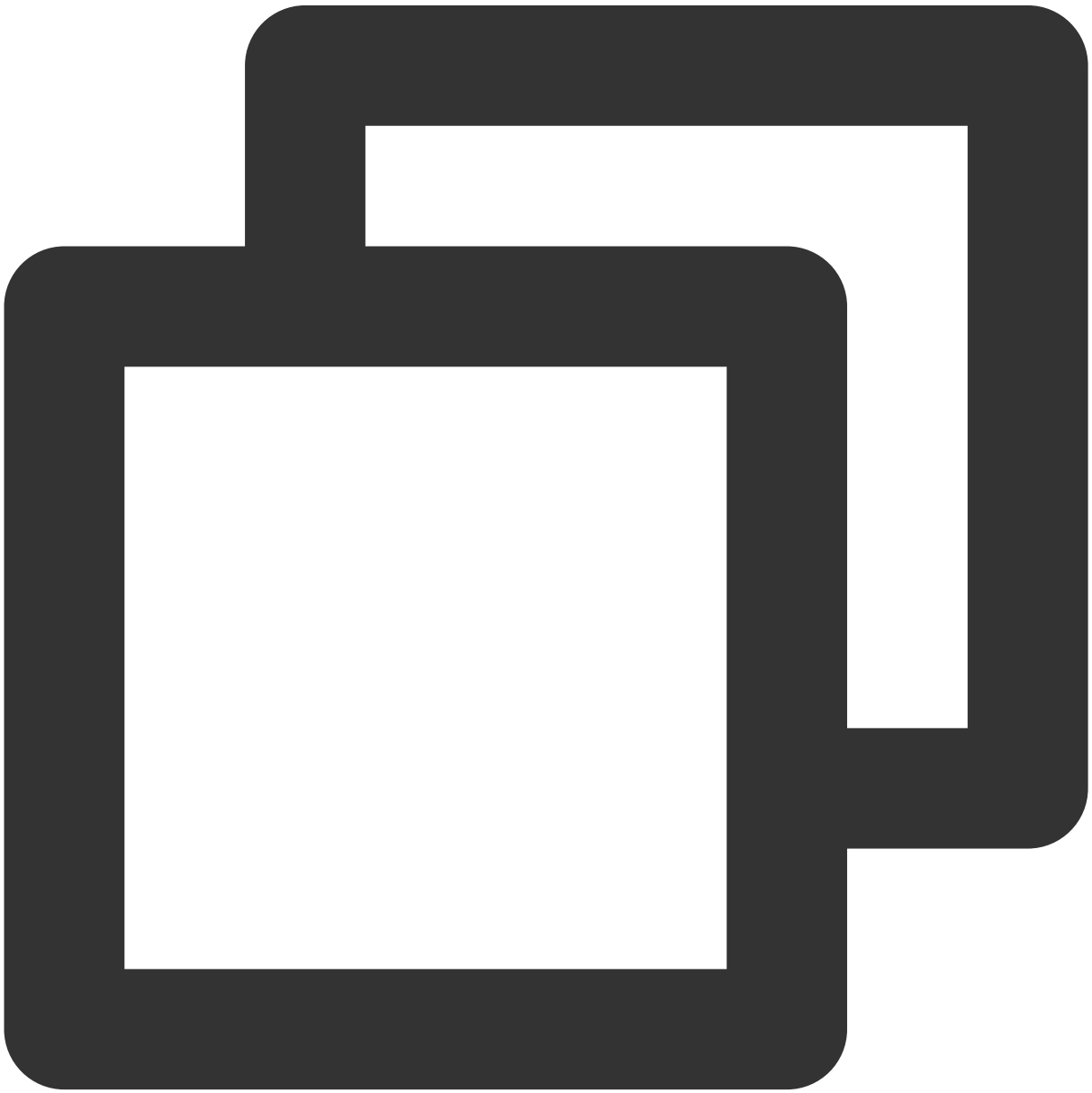
Field	Type	Required	Description
GroupId	String	Required	Group ID of the topic to be deleted
TopicIdList	Array	Required	List of IDs of the topics to be deleted

Sample response



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "ok",
    "ErrorCode": 0,
    "DestroyResultItem": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "ok",
            "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic"
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "ok",
            "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic_1"
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
DestroyResultItem	Array	Returned result of topic deletion. Each item indicates the deletion result of a topic.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.

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10006	The operation exceeds the frequency limit. Please reduce the call frequency. This error is usually caused by too much net group increase in a single day or too frequent calls to obtain all groups in the app.
10007	Insufficient operation permissions. Check the request parameters based on the error message.
10008	The request is invalid, probably because verification of the signing information in the request failed. Please try again or submit a ticket.
10015	The requested group ID is invalid. Check the request parameter based on the error message.
10021	The group ID has already been used by another user. Select another group ID.
10025	You have already used this group ID. Disband the existing group first or select another group ID.
11000	The current group does not support the community topic feature. To use this feature, you need to purchase the Premium edition and enable it in the console.
110002	Failed to delete the topic. Check based on the error message.
110003	Failed to delete the topic. The topic has been deleted.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Possible Webhooks

After a Topic Is Deleted

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Getting Topic Profile

Last updated：2024-07-16 11:20:06

Feature Overview

This API is used to get the topic profile.

API Calling Description

Applicable group types

Group Type ID	Whether This RESTful API Is Supported
Private	No
Public	No
ChatRoom	No
AVChatRoom	No
Community	This API applies only to topic-enabled communities.

These are the preset group types in Chat. For more information, see Group System.

Note

To use the topic feature, you need to go to the console, choose **Feature Configuration** > **Group configuration** > **Group feature configuration** > **Community**, enable the community feature and then enable the topic feature.

Sample request URL

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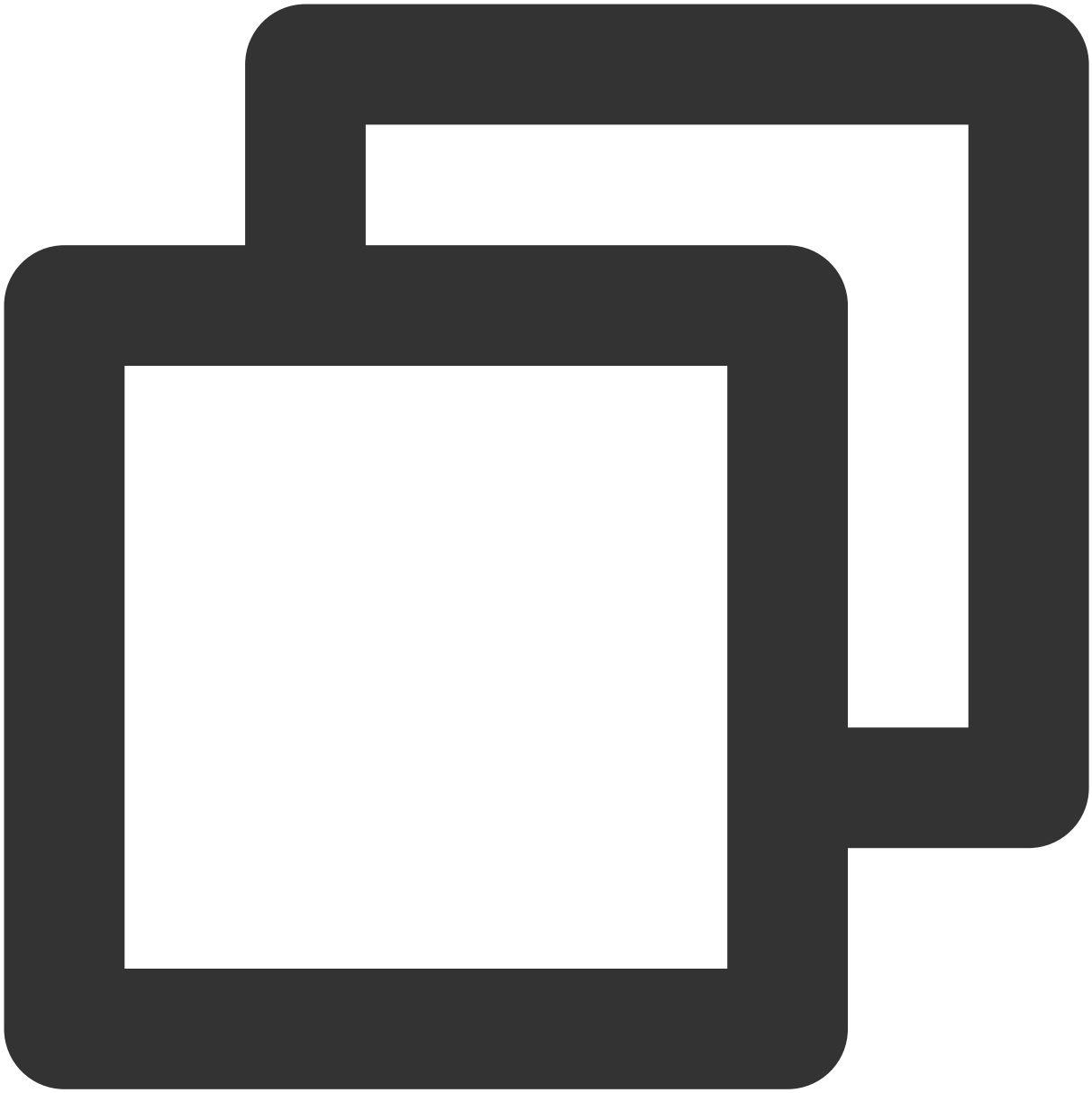

```
https://xxxxxx/v4/million_group_open_http_svc/get_topic?sdkappid=88888888&identifie
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/million_group_open_http_svc/get_topic	Request API
sdkappid	The `SDKAppID` assigned by the Chat console when the application is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. Fixed value: `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Used to get the topic details. The request contains the group ID and the list of all the topics to be pulled.

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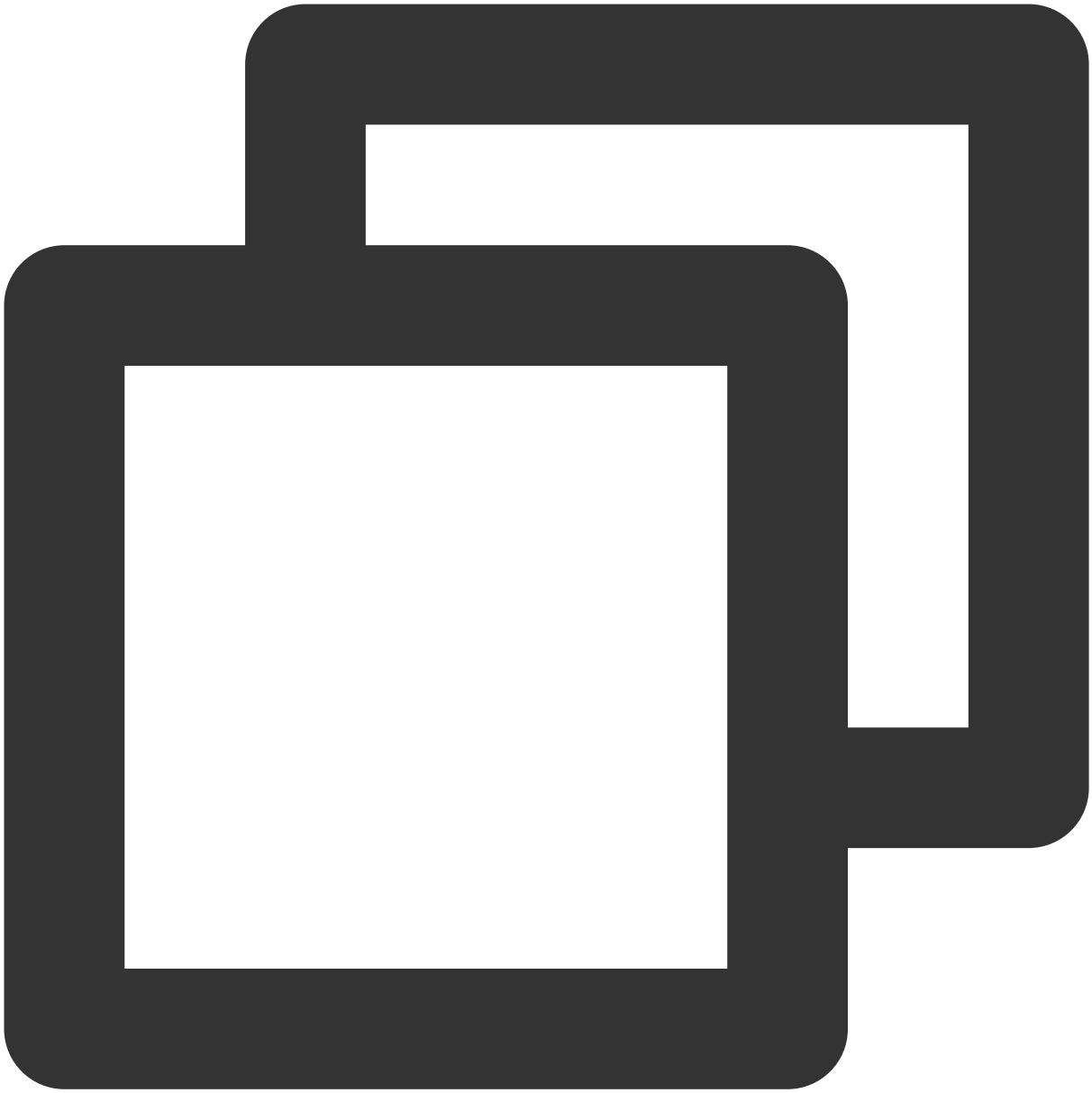

```
{
    "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",        // You need to get the group ID of
    "From_Account":"1400187352" // Get the information of the specified user in the
}
```

Specify the form of topic list to be pulled

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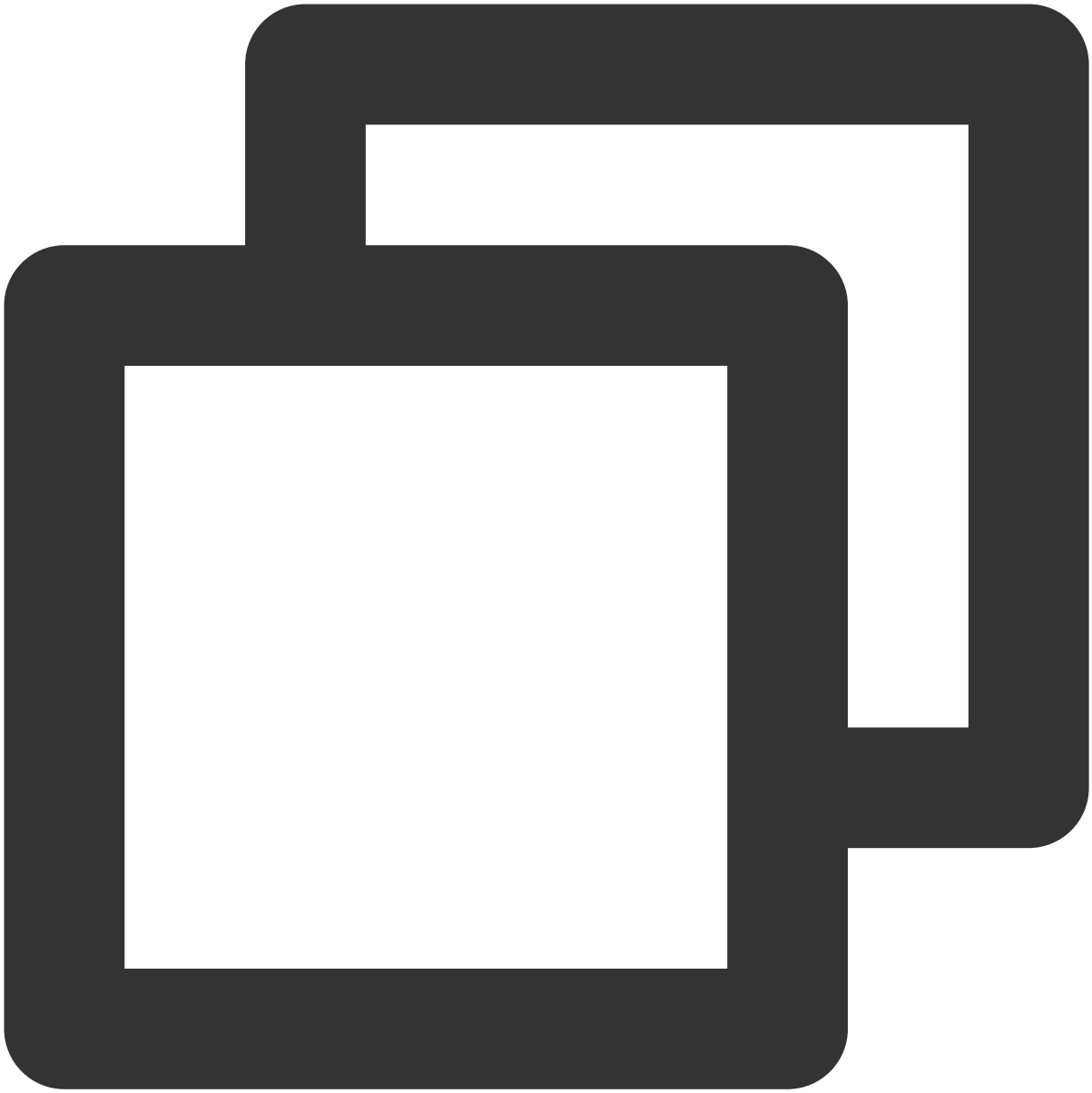

```
{
  "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",  // You need to get the group ID of the topi
  "From_Account":"1400187352",  // Get the information of the specified user in the
  "TopicIdList":[               // Specify the topic list to be pulled, which is op
      "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5"
  ]
}
```

Use the filter to get the specified information form

You can specify the topic field to be pulled in `ResponseFilter` . If a filter is set, fields not specified in the filter will

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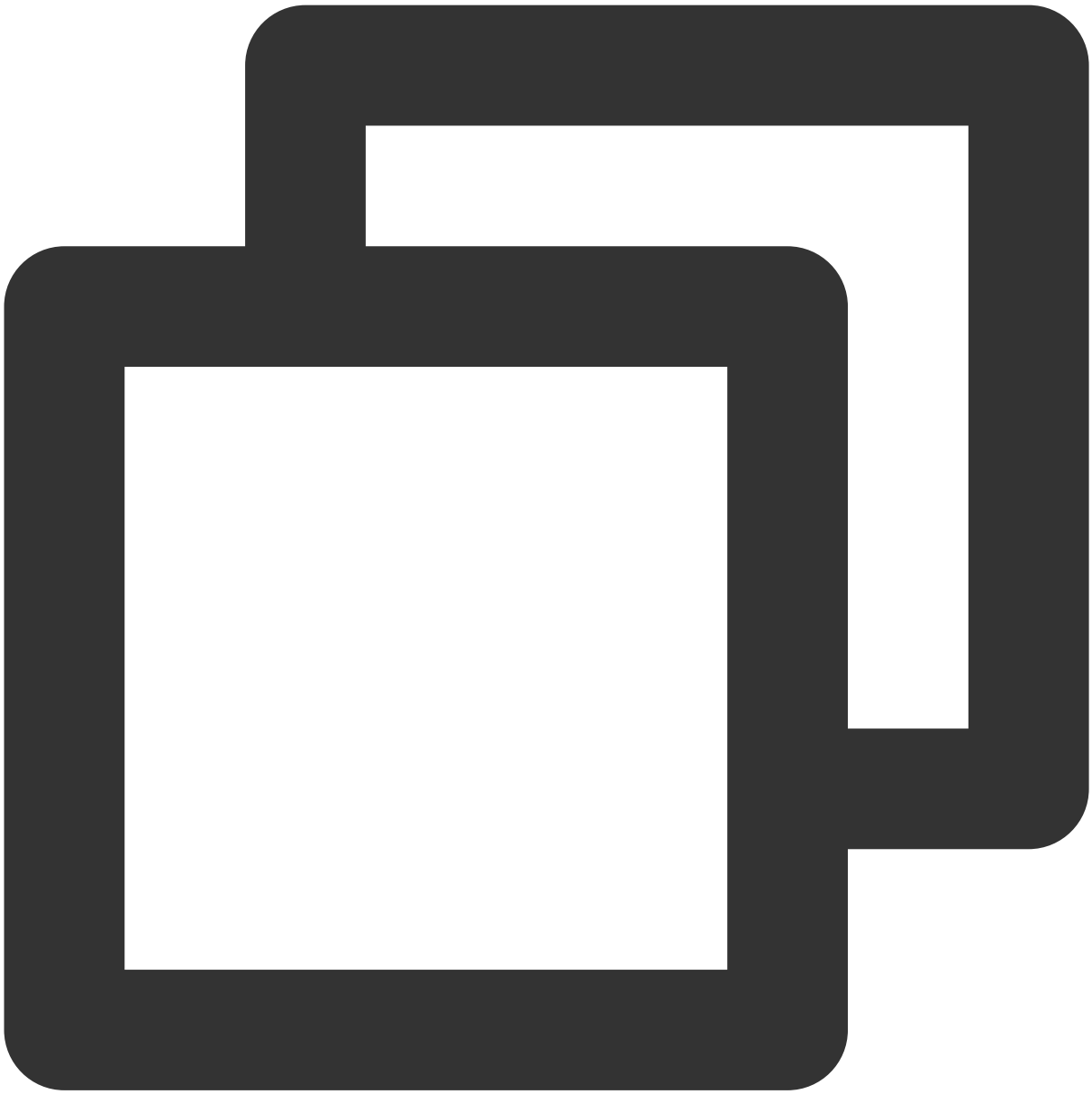
not be pulled.



```
{
  "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",  // You need to get the group ID of the topi
  "From_Account":"1400187352",  // Get the information of the specified user in the
  "TopicIdList":[       // Specify the topic list to be pulled, which is optional
      "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5"
  ],
  "ResponseFilter":[    // Response filter. Specify the topic information to be pul
      "TopicName",// Topic name
      "FaceUrl",// Profile photo URL of the topic
```

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```
        "Notification",// Topic notice
        "Introduction"// Topic introduction
    ]
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Required	You need to get the group ID of the topic.
From_Account	String	Required	Get the information of the specified user in the topic.
TopicIdList	Array	Optional	You need to get the topic list. If it is left empty, all the topic information of the group will be obtained.
ResponseFilter	Array	Optional	Response filter. Specify the topic information to be obtained.

Sample response

Basic form; specify the form of topic list to be obtained

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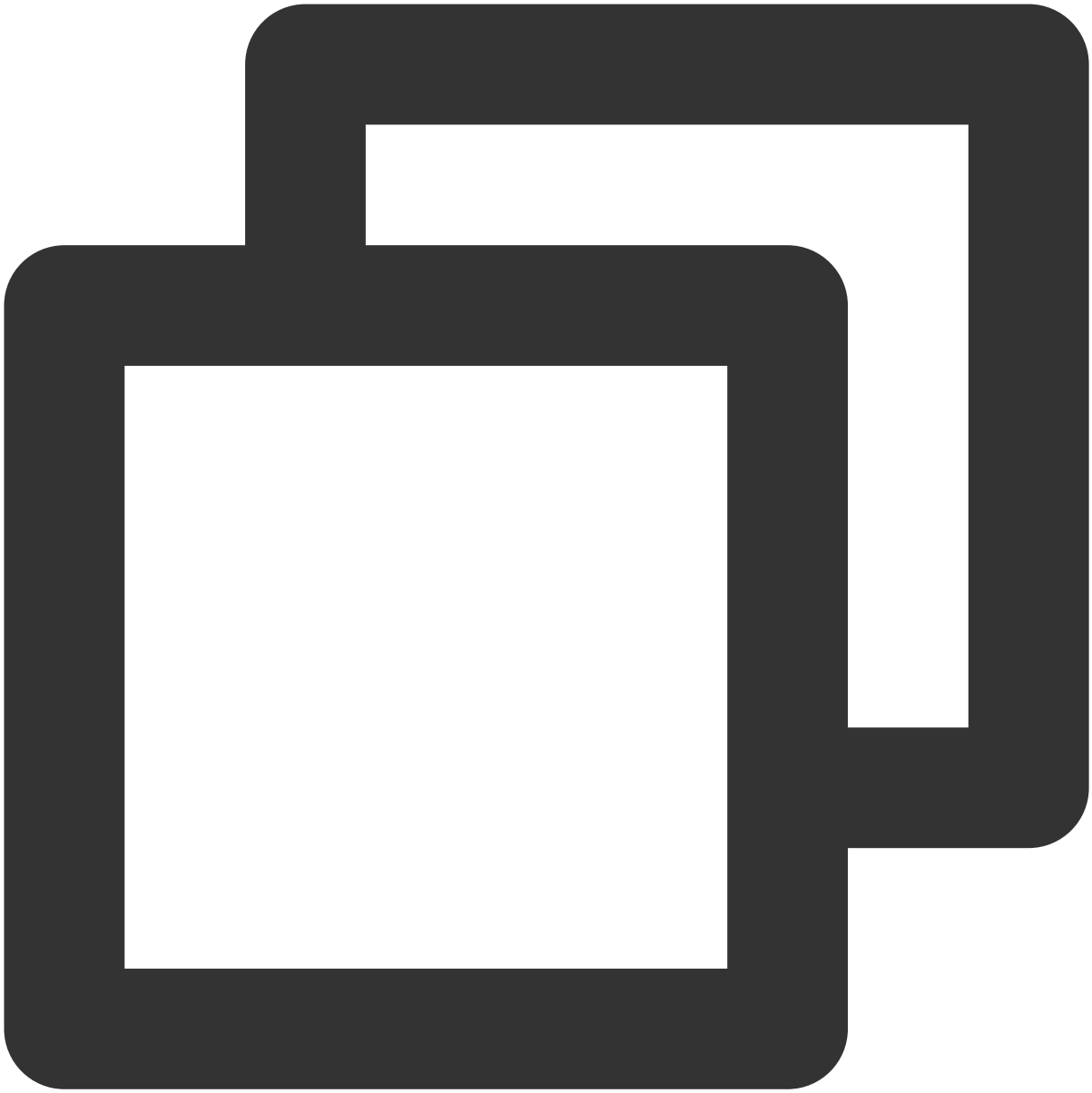

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "ok",// The `ErrorInfo` parameter here is meaningless. You need to c
  "ErrorCode": 0, // The `ErrorCode` parameter here is meaningless. You need to che
  "TopicAndSelfInfo": [ // The returned result is a topic information array. Only o
      {
          "ErrorCode": 0,
          "ErrorInfo": "ok",// Return result specific to this topic
          "SelfInfo": {  // Information of the specified user in the topic
              "ShutUpTime": 0,// Muting period of the user
              "MsgSeq": 0,// Sequence number of the member’s read message
```

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```
                "MsgFlag": "AcceptAndNotify"
            },
            "TopicInfo": {        // Returned topic information
                "TopicName": "TestTopicName",     // Topic name
                "GroupID": "@TGS#_@TGS#cQVLVHIM62CJ",     // Group ID of the topic
                "FaceUrl": "http://this.is.new.face.url",// URL of the topic profile
                "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5",  //
                "NextMsgSeq": 1,
                "Notification": "Notification",// Topic notice
                "Introduction": "Introduction",// Topic introduction
                "CreateTime": 1658839448,// Topic creation time in UTC
                "LastMsgTime": 0,// UTC time when the last message in the topic was s
                "MuteAllMember": "Off",  // Flag indicating whether to mute all in th
                "CustomString": "This is a customs string."       // Custom string in
            }
        }
    ]
}
```

Use the filter to get the specified topic information form

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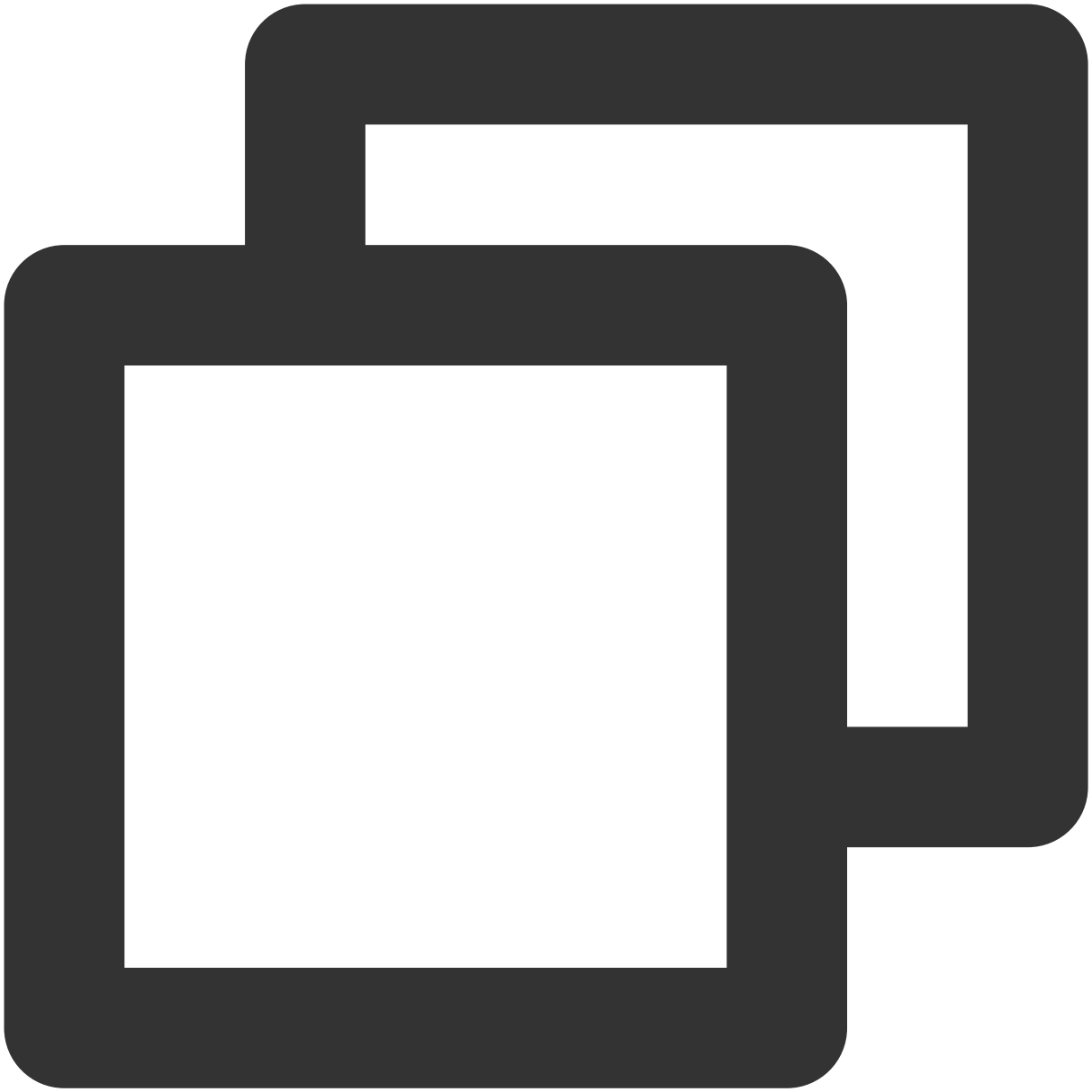

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "ok",// The `ErrorInfo` parameter here is meaningless. You need to
    "ErrorCode": 0, // The `ErrorCode` parameter here is meaningless. You need to c
    "TopicAndSelfInfo": [       // The returned result is a topic information array
        {
            "ErrorCode": 0,
            "ErrorInfo": "ok",// Return result specific to this topic
            "SelfInfo": {        // Information of the specified user in the topic
                "ShutUpTime": 0,// Muting period of the user
                "MsgSeq": 0,
```

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```
                "MsgFlag": "AcceptAndNotify"
            },
            "TopicInfo": {      // Returned topic information
                "TopicName": "TestTopicName",   // Topic name
                "GroupID": "@TGS#_@TGS#cQVLVHIM62CJ",   // Group ID of the topic
                "FaceUrl": "http://this.is.new.face.url",// URL of the topic profil
                "TopicId": "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5",
                "Notification": "Notification",// Topic notice
                "Introduction": "Introduction"// Topic introduction
            }
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed
ErrorInfo	String	Error information
TopicAndSelfInfo	Array	The returned result is a topic information array, which contains the basic topic information and the information of the specified user in the topic.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	**Description**
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10006	The operation exceeds the frequency limit. Please reduce the call frequency. This error is usually

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	caused by too much net group increase in a single day or too frequent calls to obtain all groups in the app.
10007	Insufficient operation permissions. Check the request parameters based on the error message.
10008	The request is invalid, probably because verification of the signing information in the request failed. Please try again or submit a ticket.
10010	Invalid request. The group or topic has been deleted.
11000	The current group does not support the community topic feature. To use this feature, you need to purchase the Premium edition and enable it in the console.
110003	Request failed. The topic has been deleted.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Modifying Topic Profile

Last updated：2024-07-16 11:20:06

Feature Overview

This API is used to modify a topic profile.

API Calling Description

Applicable group types

Group Type ID	Whether This RESTful API Is Supported
Private	No
Public	No
ChatRoom	No
AVChatRoom	No
Community	This API applies only to topic-enabled communities.

These are the preset group types in Chat. For more information, see Group System.

Note:

To use the topic feature, you need to go to the console, choose **Feature Configuration** > **Group configuration** > **Group feature configuration** > **Community**, enable the community feature and then enable the topic feature.

Sample request URL

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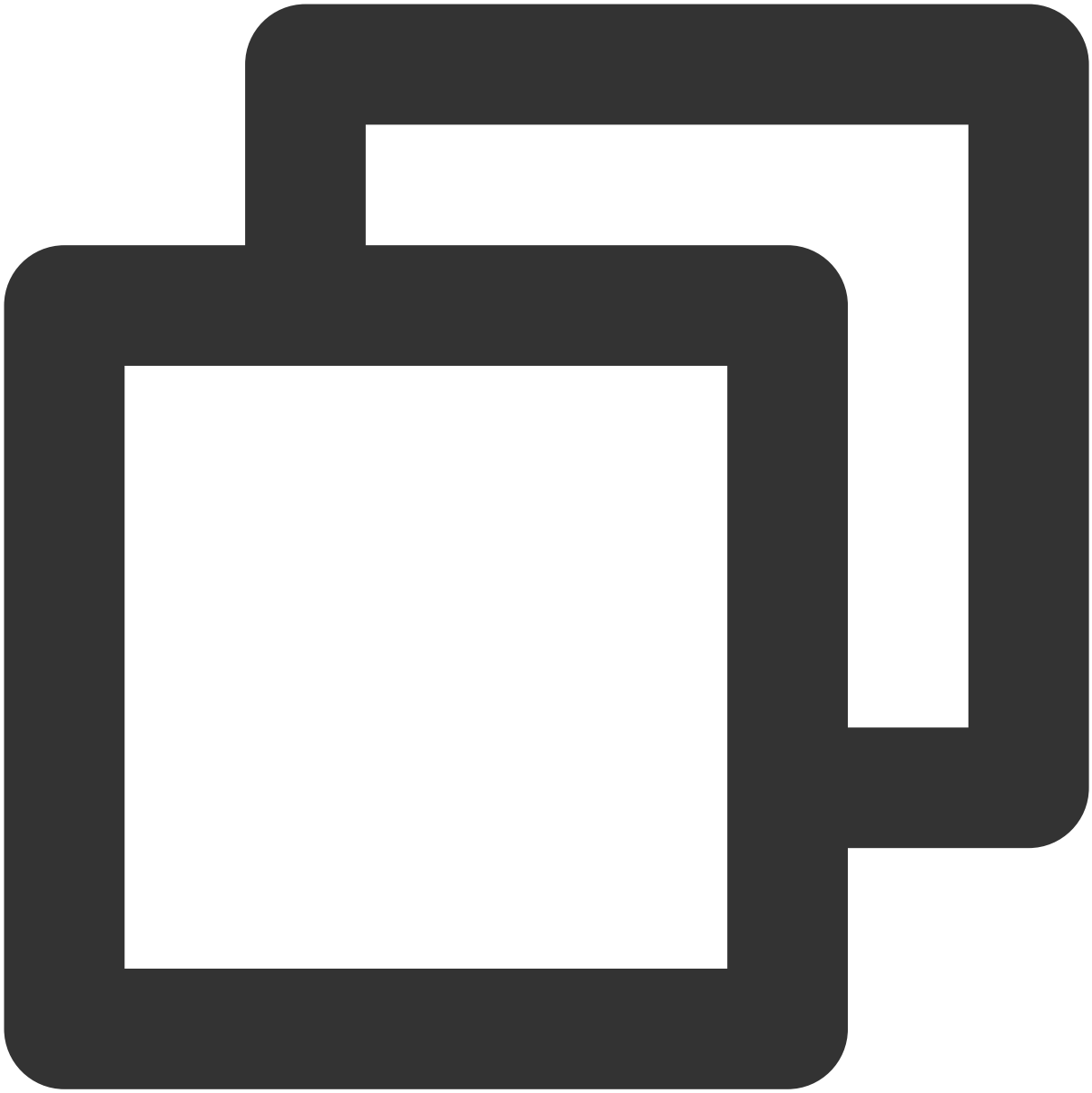

```
https://xxxxxx/v4/million_group_open_http_svc/modify_topic?sdkappid=88888888&identi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/million_group_open_http_svc/modify_topic	Request API
sdkappid	The `SDKAppID` assigned by the Chat console when the application is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. Fixed value: `json` .

Maximum call frequency

200 calls per second

Sample request

Modify the basic topic information

Modify the basic topic information, such as topic name and topic notice.

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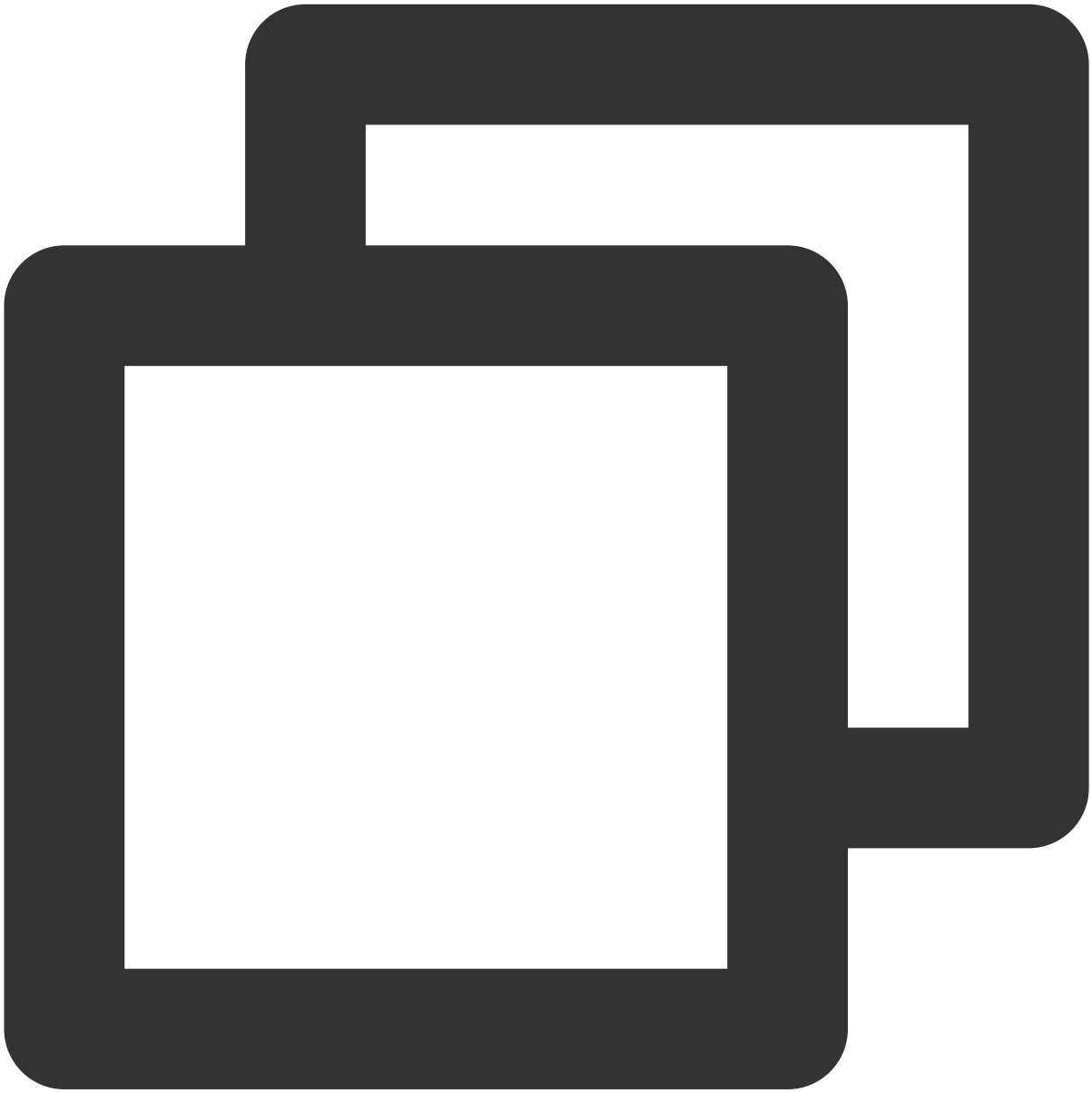

```
{
  "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",// Group of the topic to be modified, which i
  "TopicId":"@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5",// ID of the topic
  "TopicName":"TestTopicName",// Topic name, which is optional
  "Notification":"Notification"    // Topic notice, which is optional
}
```

ALL IN ONE

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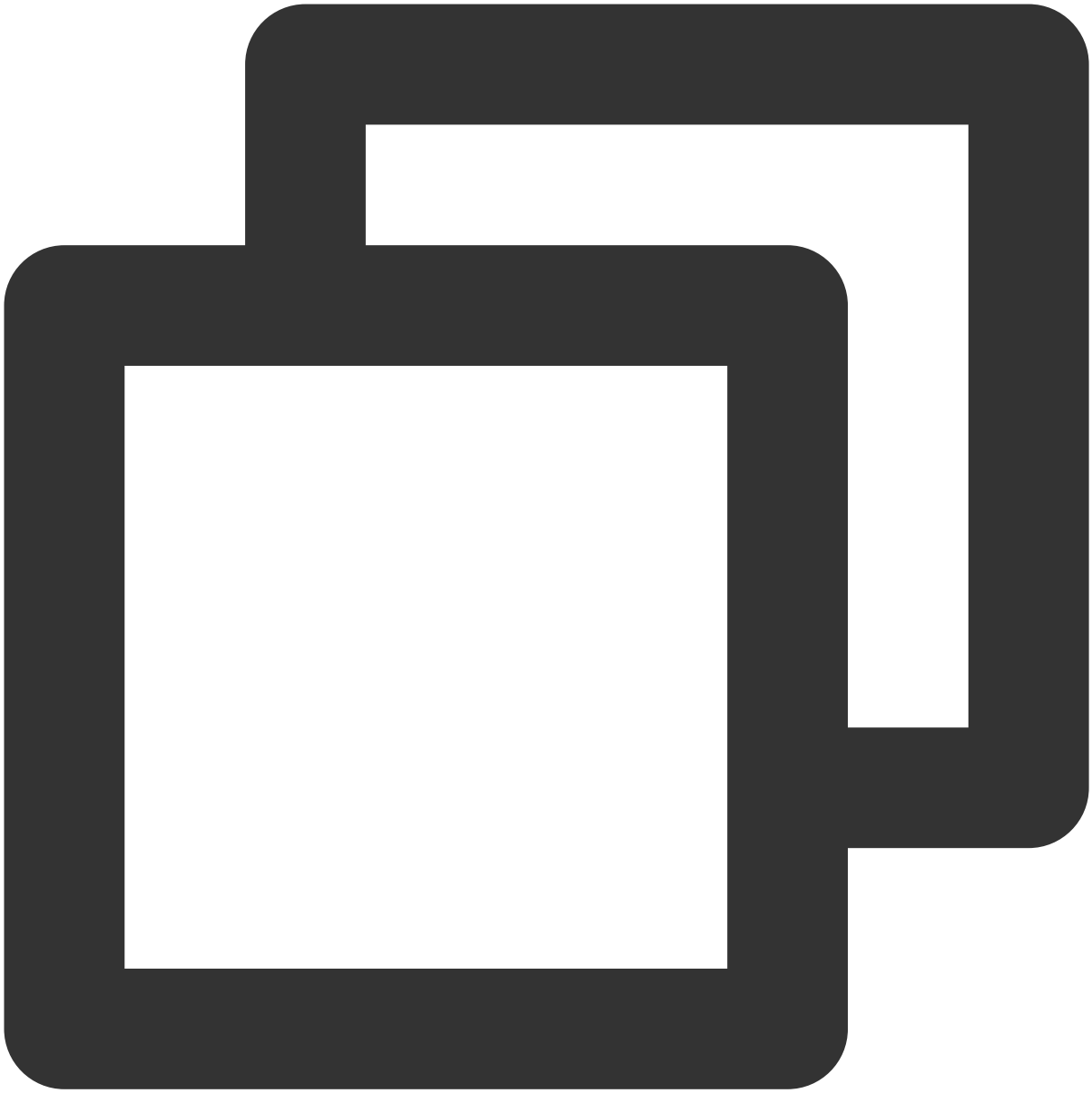

```
{
  "GroupId":"@TGS#_@TGS#cQVLVHIM62CJ",  // Group of the topic to be modified, which
  "TopicId":"@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5",       // ID of th
  "From_Account":"1400187352",  // Member modifying the topic
  "TopicName":"TestTopicName",// Topic name, which is optional
  "FaceUrl": "http://this.is.new.face.url", // Topic profile photo, which is option
  "Notification":"Notification",    // Topic notice, which is optional
  "Introduction": "Introduction",// Topic introduction, which is optional
  "MuteAllMember": "On", // Mutes all members, which is optional. `On`: Enable. `Of
  "CustomString":"This is a customs string." // Custom string, which is optional
}
```

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Request fields

Field	Type	Required	Description
GroupId	String	Required	Group ID of the topic to be modified
TopicId	String	Required	ID of the topic to be modified
TopicName	String	Optional	Topic name, whose maximum length is 30 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
From_Account	uint64	Optional	User account that wants to modify the topic
CustomString	String	Optional	A custom string, which can contain up to 3,000 bytes. encoded in UTF-8.
FaceUrl	String	Optional	Profile photo URL of the topic, which can contain up to 100 bytes.
Notification	String	No	Topic notice, whose maximum length is 300 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
Introduction	String	No	Topic introduction, whose maximum length is 240 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
MuteAllMember	String	Optional	Mutes all members in a topic and allows only the group admin, group owner, and system admin to speak.

Sample response

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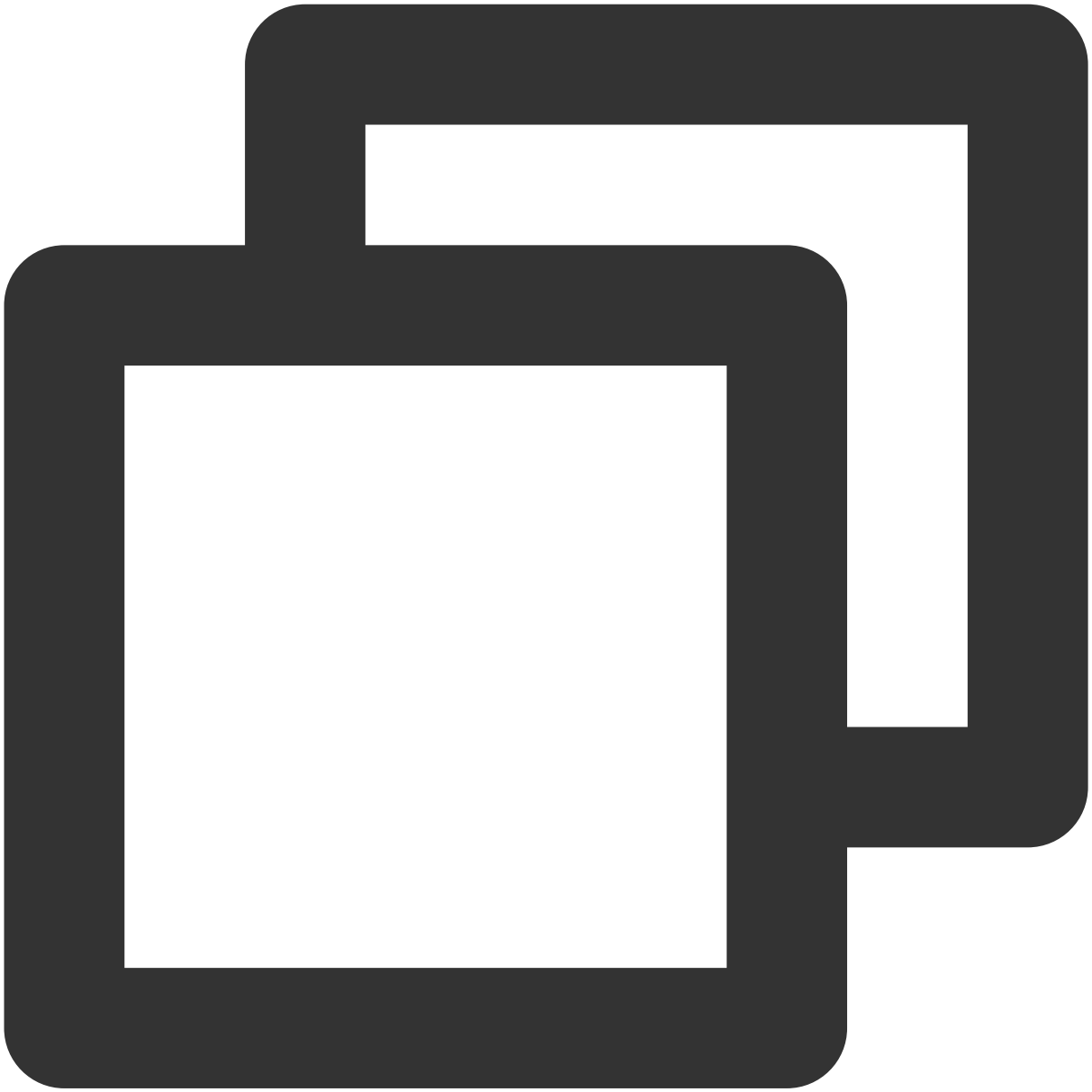

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "ok",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10006	The operation exceeds the frequency limit. Please reduce the call frequency. This error is usually caused by too much net group increase in a single day or too frequent calls to obtain all groups in the app.
10007	Insufficient operation permissions. Check the request parameters based on the error message.
10008	The request is invalid, probably because verification of the signing information in the request failed. Please try again or submit a ticket.
10010	Invalid request. The topic has been deleted.
10015	The requested group ID is invalid. Check the request parameter based on the error message.
10016	The app backend rejected this operation through a third-party callback. Check the returned value of your webhook "Topic Profile Change Webhook".
11000	The current group does not support the community topic feature. To use this feature, you need to purchase the Premium edition and enable it in the console.
80001	Failed to pass the security check. Check the request parameters based on the error message.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

Possible Webhooks

Topic Profile Change Webhook

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Importing Topic Profiles

Last updated：2024-07-16 11:20:06

Feature Overview

This API allows the app admin to import topic data without triggering callbacks or delivering notifications. When your app needs to be migrated to Chat from another instant messaging system, you can use this API to import existing topic data.

API Calling Description

Applicable group types

Group Type	Support for This RESTful API
Private	No
Public	No
ChatRoom	No
AVChatRoom	No
Community	This API applies only to topic-enabled communities.

These are the preset group types in Chat. For more information, see Group System.

Note:

To use the topic feature, you need to go to the console, choose **Feature Configuration** > **Group configuration** > **Group feature configuration** > **Community**, enable the community feature and then enable the topic feature.

Sample request URL

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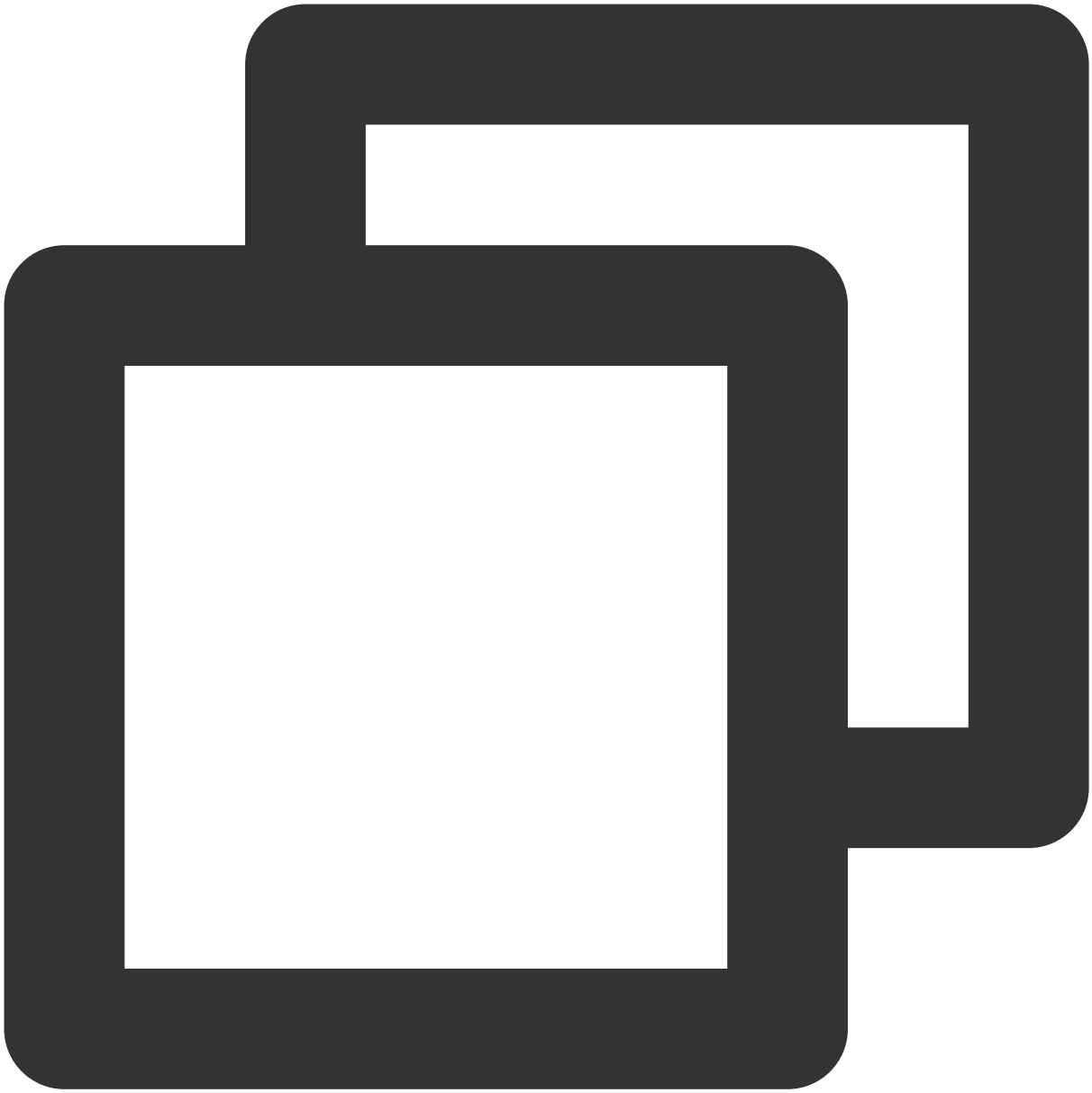

```
https://xxxxxx/v4/group_open_http_svc/import_topic?sdkappid=88888888&identifier=adm
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/import_topic	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Specify the group to which the topic to import belongs. You can use `CreateTime` to specify the topic creation time.

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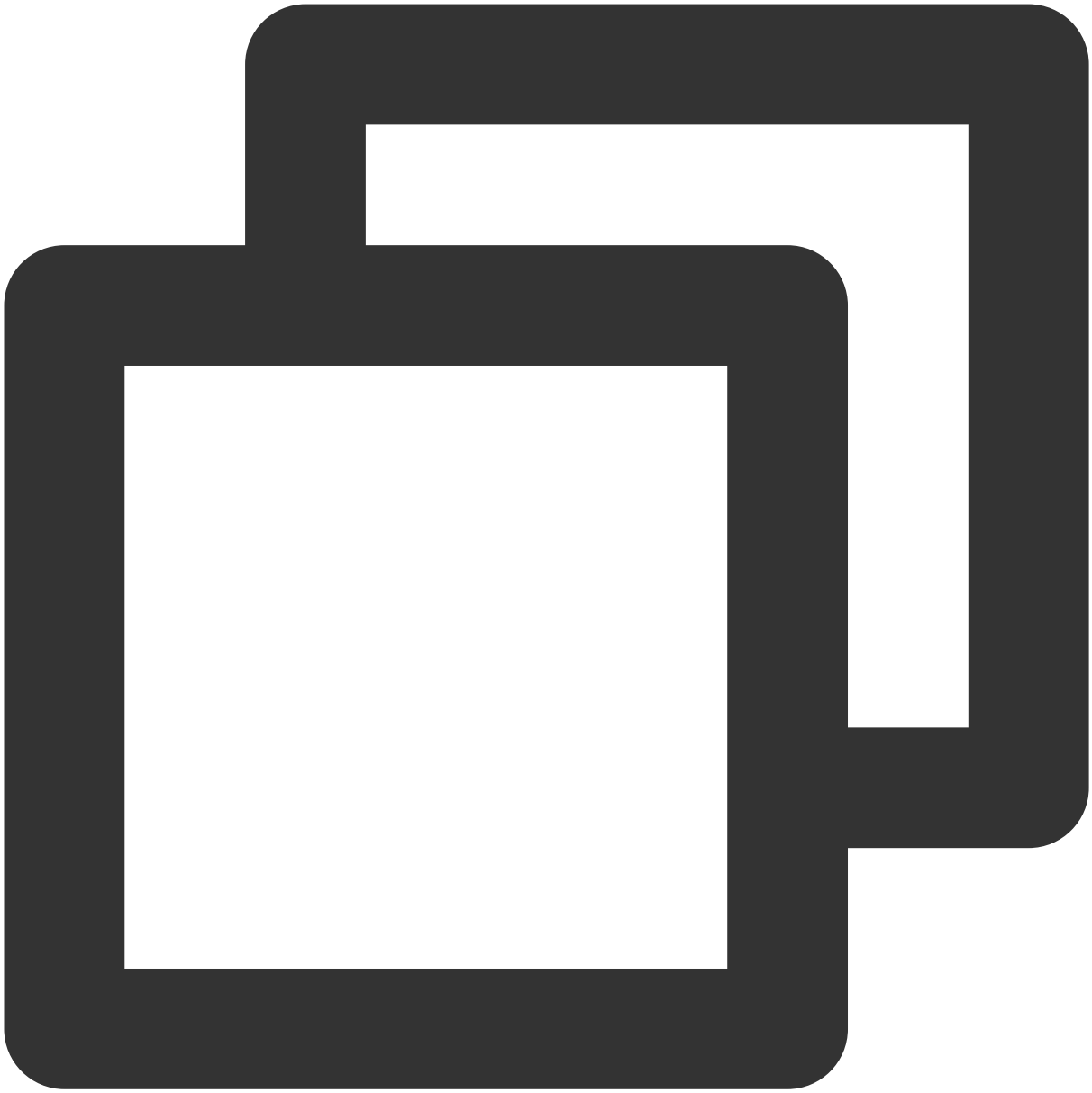

```
{
"GroupId": "@TGS#_@TGS#cBZXAIIM62CV",     // (Required) ID of the group to which th
"TopicName": "test_topic3",           // (Optional) Topic name
"CreateTime": 1448357837              // (Optional) Topic creation time
}
```

Specifying other optional fields

Specify optional fields such as `Introduction` and `Notification` .

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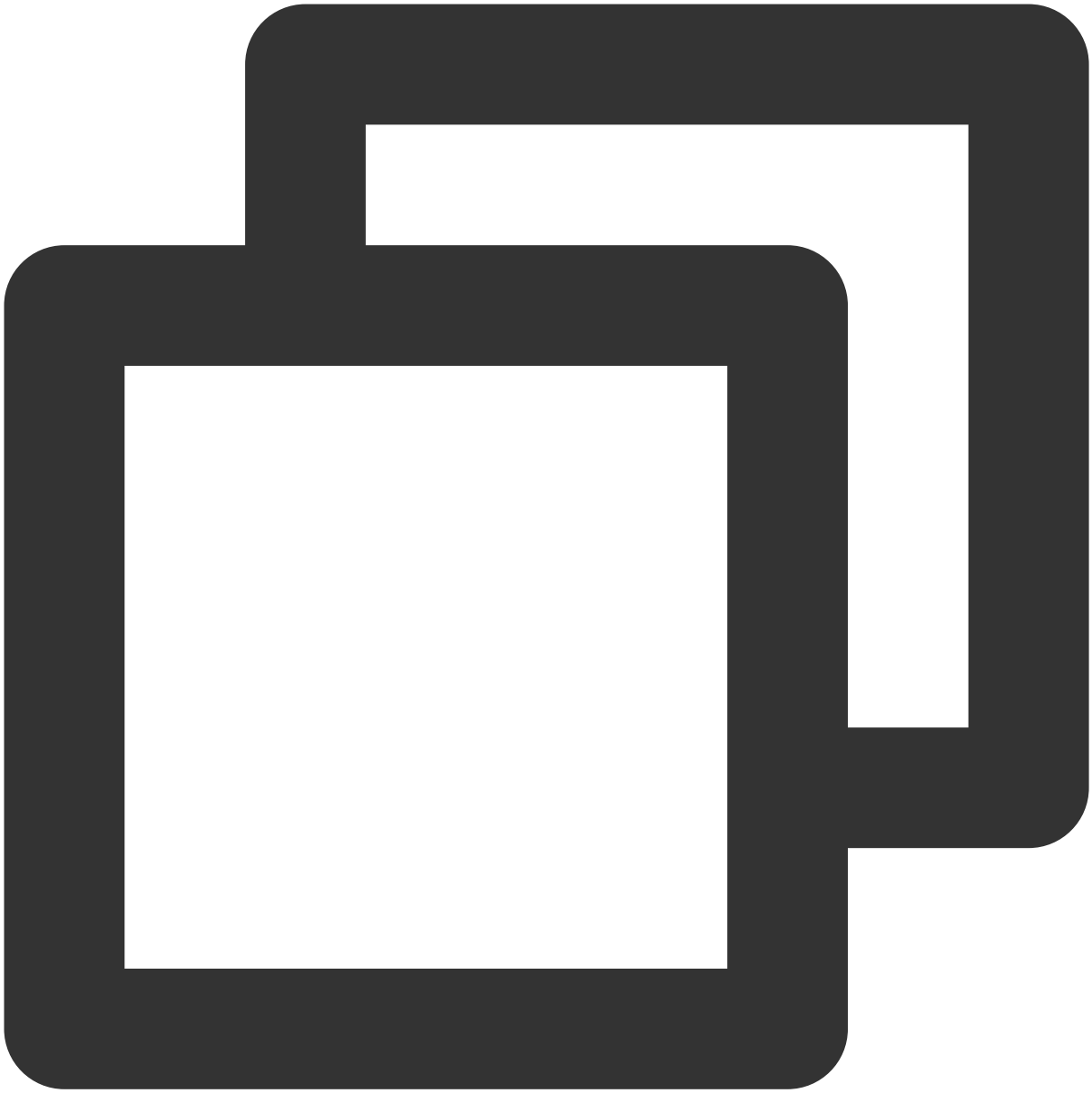

```
{
  "Type": "Community", // (Optional) Type of the group to which the topic belongs,
  "GroupId": "@TGS#_@TGS#cBZXAIIM62CV",     // (Required) ID of the group to which
  "TopicName": "test_topic3",           // (Optional) Topic name
  "Introduction": "This is topic Introduction", // (Optional) Topic introduction
  "Notification": "This is topic Notification", // (Optional) Topic notification
  "FaceUrl": "http://this.is.face.url",
  "CreateTime": 1448357837 // (Optional) Topic creation time. If this field is not
}
```

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Request fields

Field	Type	Required	Description
Type	String	No	Type of the group to which the topic belongs. Currently, only a Community group is supported.
GroupId	String	Yes	ID of group to which the topic to import belongs.
TopicId	String	No	To simplify topic IDs and make them easy to remember, Tencent Cloud allows apps to customize topic IDs during topic creation through RESTful APIs. For details, see here.
TopicName	String	Yes	Topic name, whose maximum length is 30 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
From_Account	uint64	No	User account that wants to create the topic.
CustomString	String	No	Custom string, which can contain up to 3,000 bytes, encoded in UTF-8.
FaceUrl	String	No	URL of the topic profile photo, whose maximum length is 100 bytes.
Notification	String	No	Topic notice, whose maximum length is 300 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
Introduction	String	No	Topic introduction, whose maximum length is 240 bytes. This field is UTF-8-encoded, and one Chinese character occupies three bytes.
CreateTime	Integer	No	Topic creation time

Sample response

Basic format

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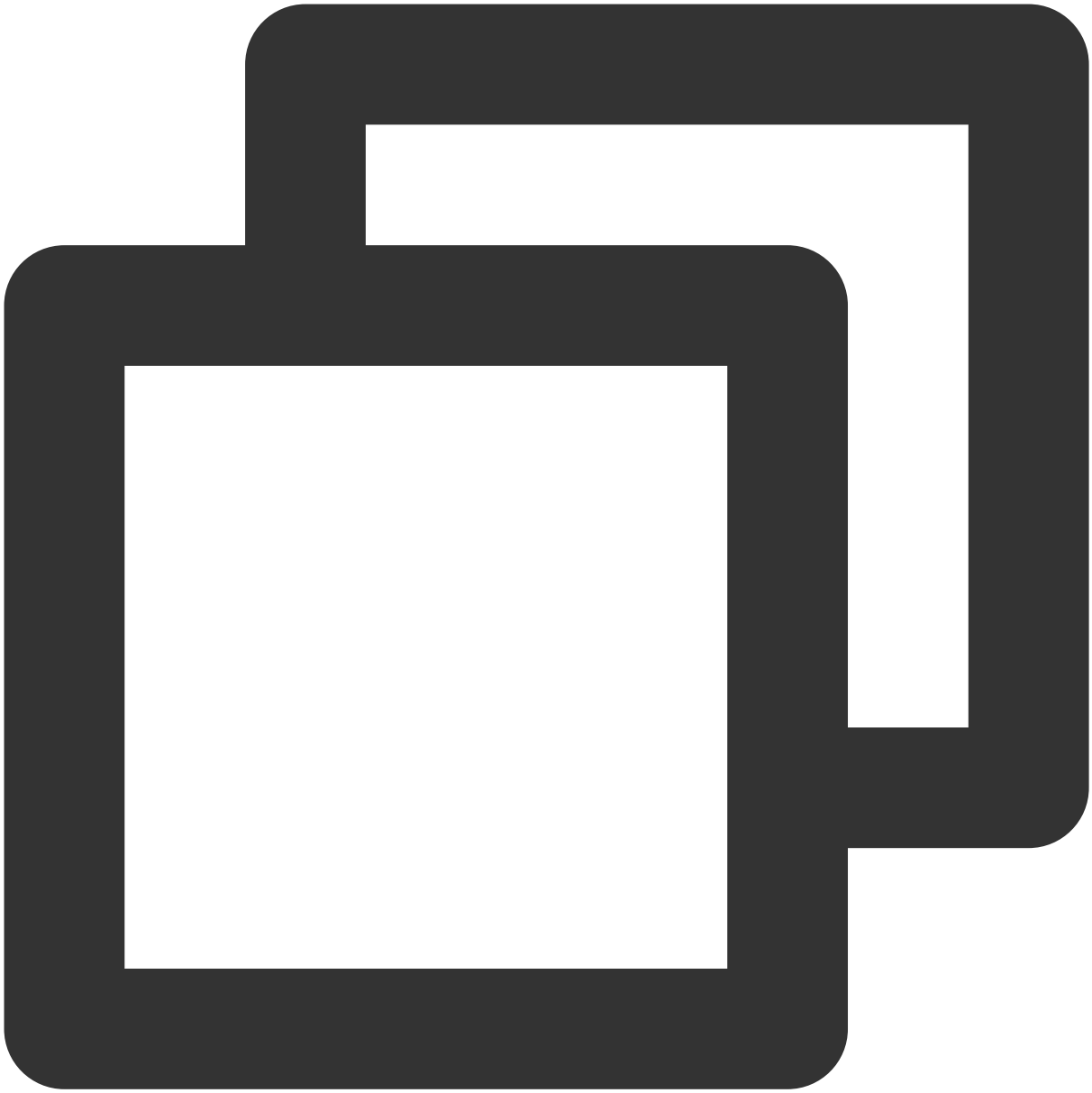

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "TopicId": "@TGS#_@TGS#cBZXAIIM62CV@TOPIC#_@TOPIC#cTCCCIIM62CW"
}
```

Specifying other optional fields

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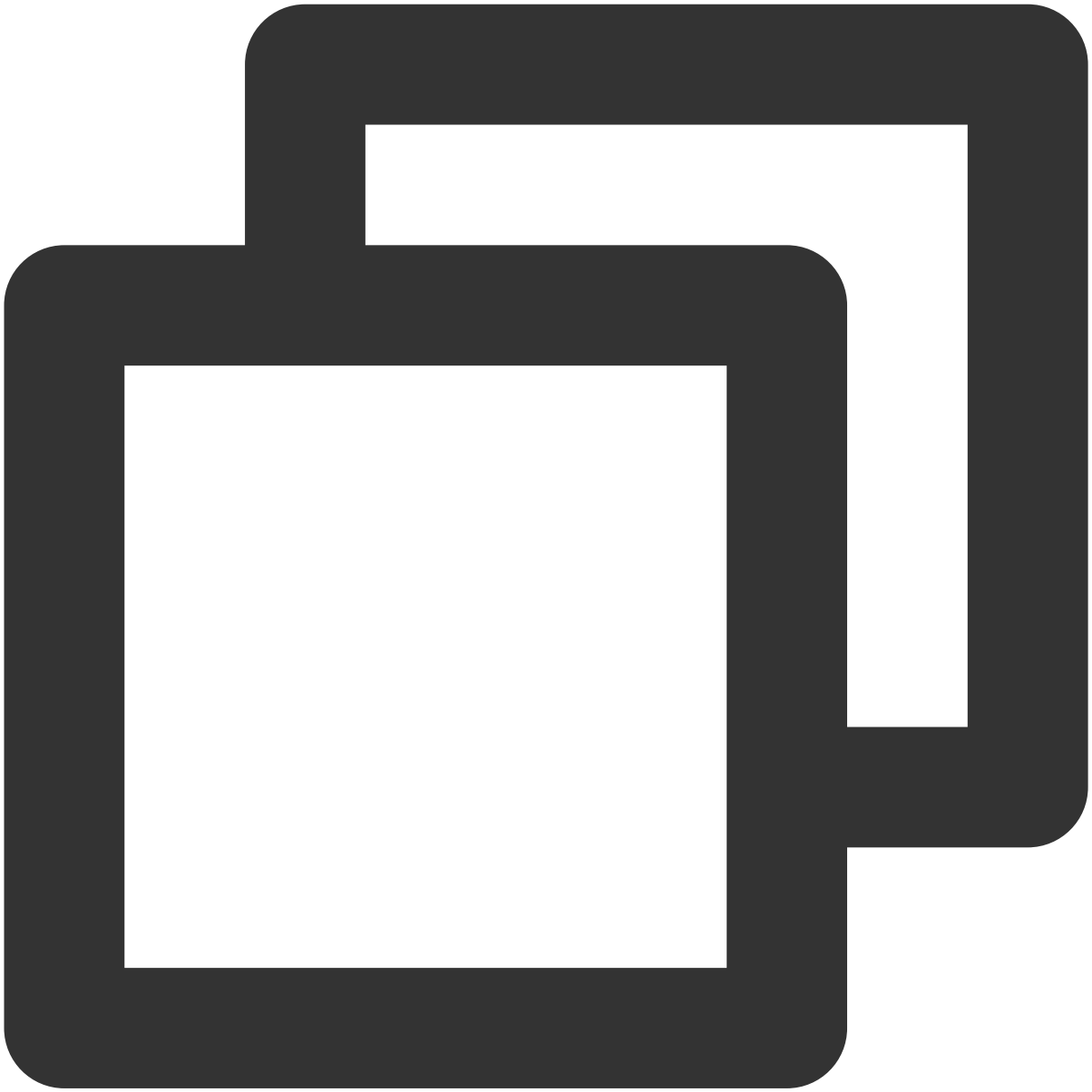

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "TopicId": "@TGS#_@TGS#cBZXAIIM62CV@TOPIC#_@TOPIC#c5CCCIIM62CW"
}
```

Response fields

Field	Type	Description

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ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
TopicId	String	Topic ID after successful creation, which is assigned by the Chat backend or specified by users.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10003	Invalid command word.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	Insufficient operation permissions. Check the request parameters based on the error message.
10010	The current group does not exist or has been deleted.
10015	The requested group ID is invalid. Check the request parameter based on the error message.
10021	The topic ID is already in use. Specify another topic ID.
10037	The number of prepaid topics created exceeds the limit. Delete some of the topics or upgrade your service. For more information, see Pricing.
11000	The current group does not support the community topic feature. To use this feature, you need to purchase the Premium edition and enable it in the console.
80001	Failed to pass the security check. Check the request parameters based on the error message.
80005	Failed to pass the security check: Security check timed out.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Creating a topic (v4/million_group_open_http_svc/create_topic)

Deleting a topic (v4/million_group_open_http_svc/destroy_topic)

Importing a group profile (v4/group_open_http_svc/import_group)

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Permission Group Management
Creating Permission Groups

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to create a new permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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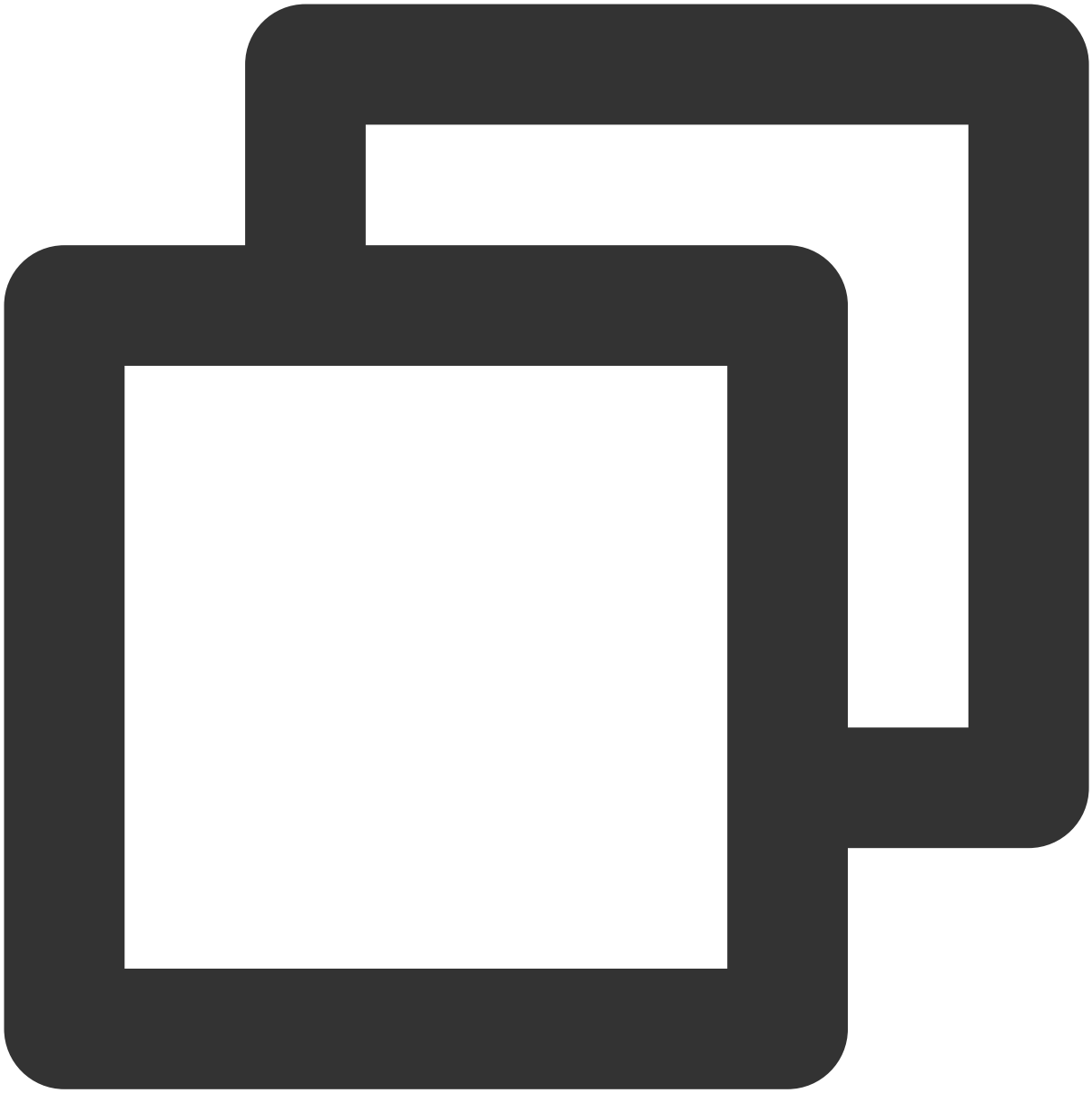

```
https://xxxxxx/v4/group_open_http_svc/create_permission_group?sdkappid=88888888&ide
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/create_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

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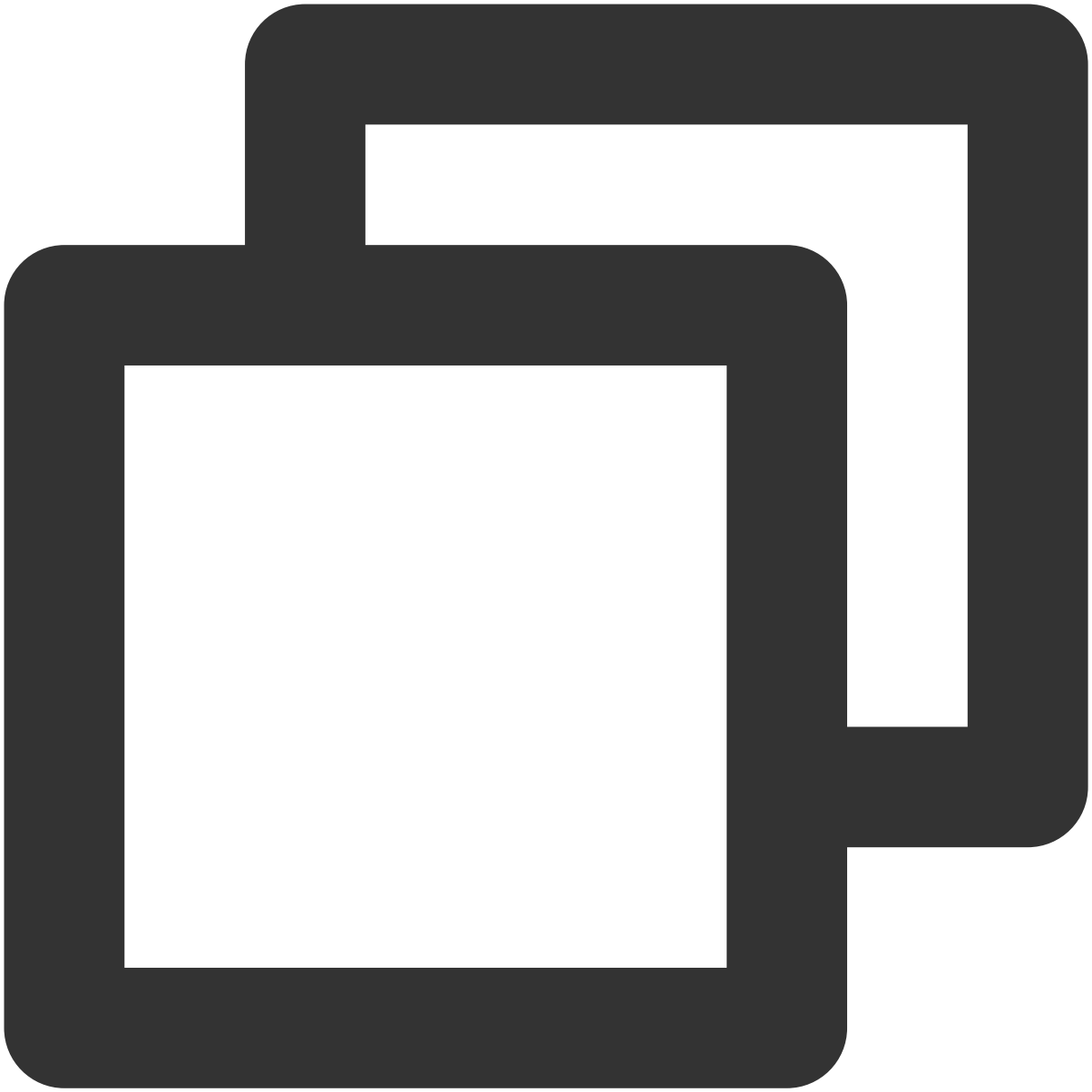

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",    // Group ID belonging to the permissio
    "PermissionGroupId": "@PMG#_test_permission_group",  // Permission group ID
    "PermissionGroupName": "test_permission_group", // Permission group name
    "Permission": 123,  // Specific permission
    "CustomString": "test_custom_string"   // Custom field
}
```

Description of Request Packet Fields

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Field	Type	Attribute	Description
GroupId	String	Required	Group ID
PermissionGroupId	String	Optional	Permission group ID. To simplify the permission group ID and make it easier to remember and disseminate, Tencent Cloud allows you to customize permission group IDs in the app when creating a permission group through the RESTful API Customizing Permission Group IDs. If this parameter is not specified, the system will generate a default permission group ID and return it.
PermissionGroupName	String	Required	The name of the permission group. It can contain up to 150 UTF-8 encoded bytes, and 1 Chinese character occupies 3 bytes.
Permission	Integer	Required	The specific permissions associated with the permission group, where each bit represents a type of permission. For details on the permission bits, refer to Permission Bits.
CustomString	String	Optional	The custom fields of the permission group. It can contain up to 3000 bytes. The business layer can use this field to meet the needs of special scenarios.

Sample Response Packet

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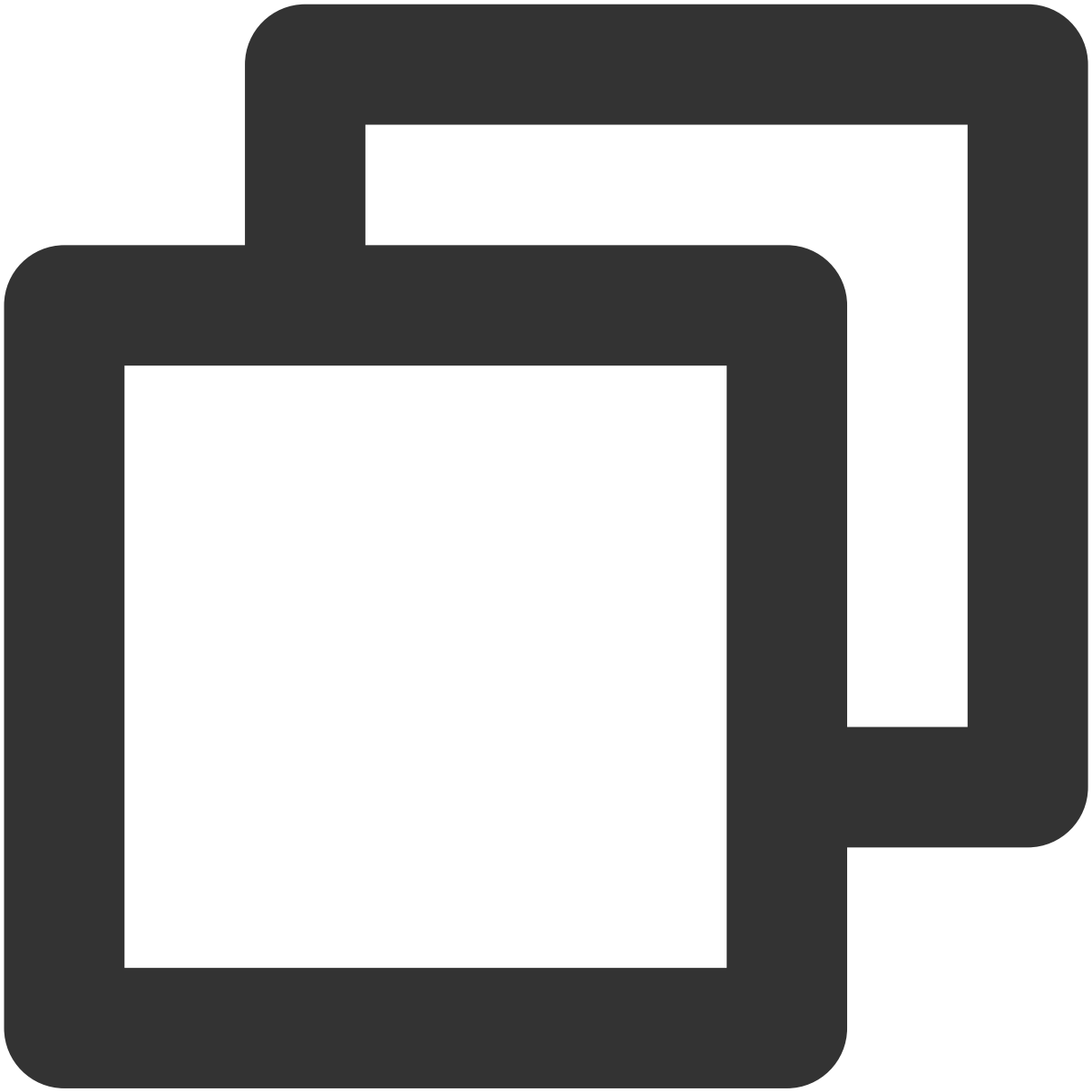

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "PermissionGroupId": "@PMG#_test_permission_group"
}
```

Response packet field description

Field	Type	Description

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ActionStatus	String	Result of the request processing: OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
PermissionGroupId	String	Returned permission group ID

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.
Common error codes (60000 to 79999) can be found in the Error Codes document.
The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
10019	The requested UserID does not exist. Check if all Member_Accounts in the MemberList are correct.
10021	The created permission group ID has been used, indicating a possible duplication in creating permission groups.
10037	The number of permission groups created exceeds the limit.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

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API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Terminating Permission Groups (Terminating Permission Groups)
Modifying Permission Group Information (Modifying Permission Group Information)
Obtaining Permission Group Information (Obtaining Permission Group Information)

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Terminating Permission Groups

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to terminate created permission groups.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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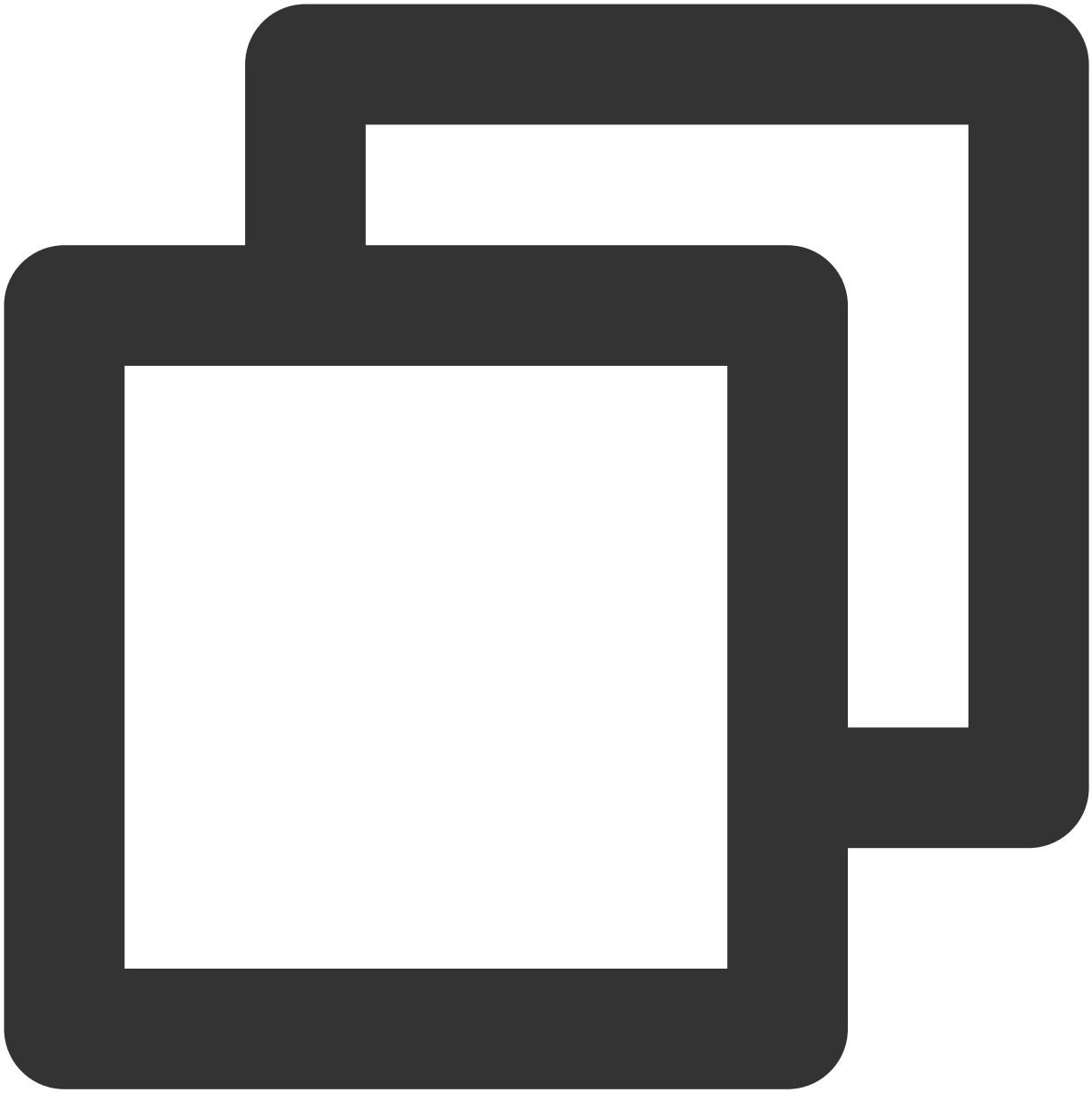

```
https://xxxxxx/v4/group_open_http_svc/destroy_permission_group?sdkappid=88888888&id
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/destroy_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

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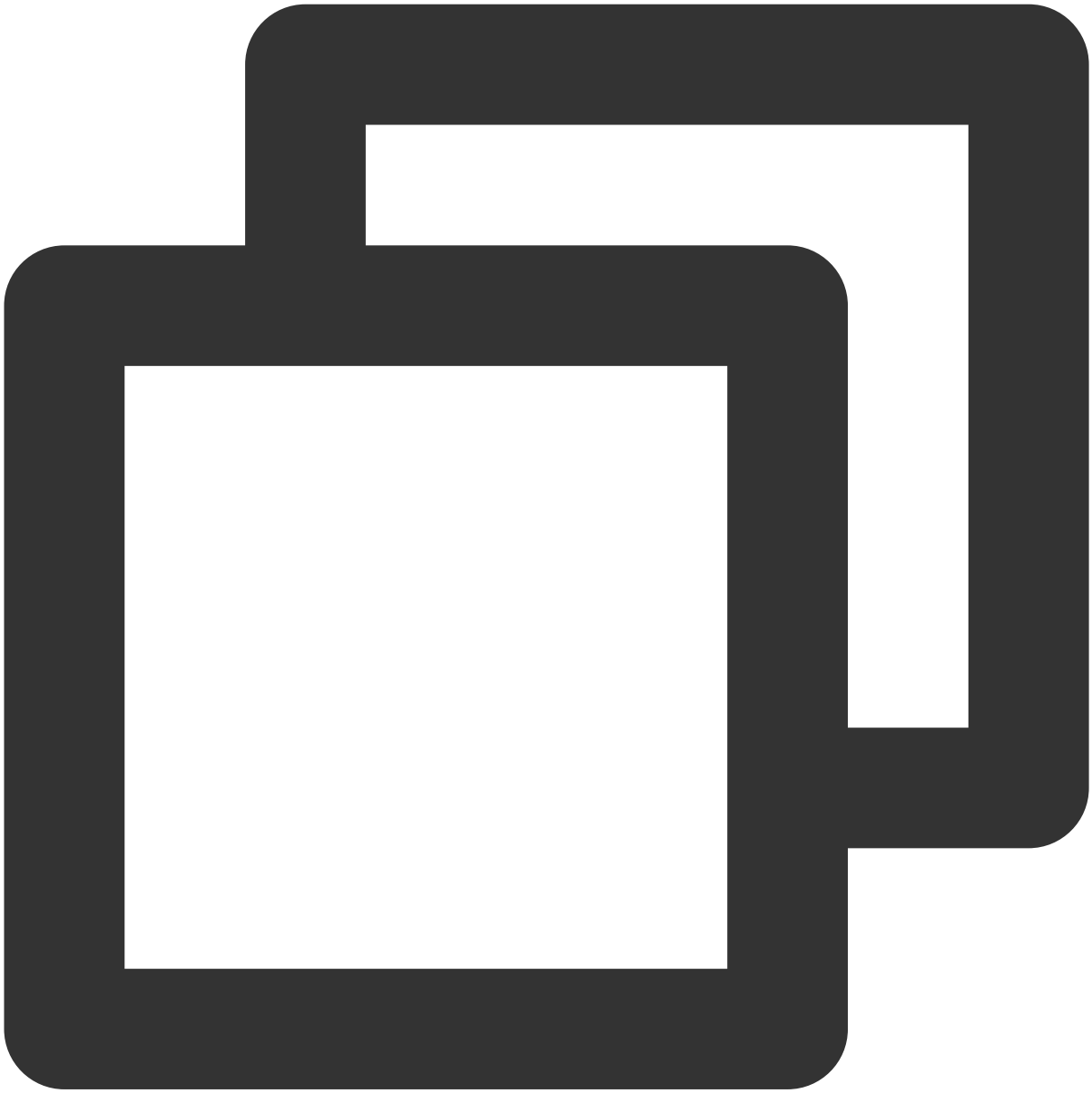

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4", // Group ID
    "PermissionGroupIdList": [    // List of permission group IDs to be terminated.
        "@PMG#_@PMG#cM2",
        "@PMG#_@PMG#cN3"
    ]
}
```

Description of Request Packet Fields

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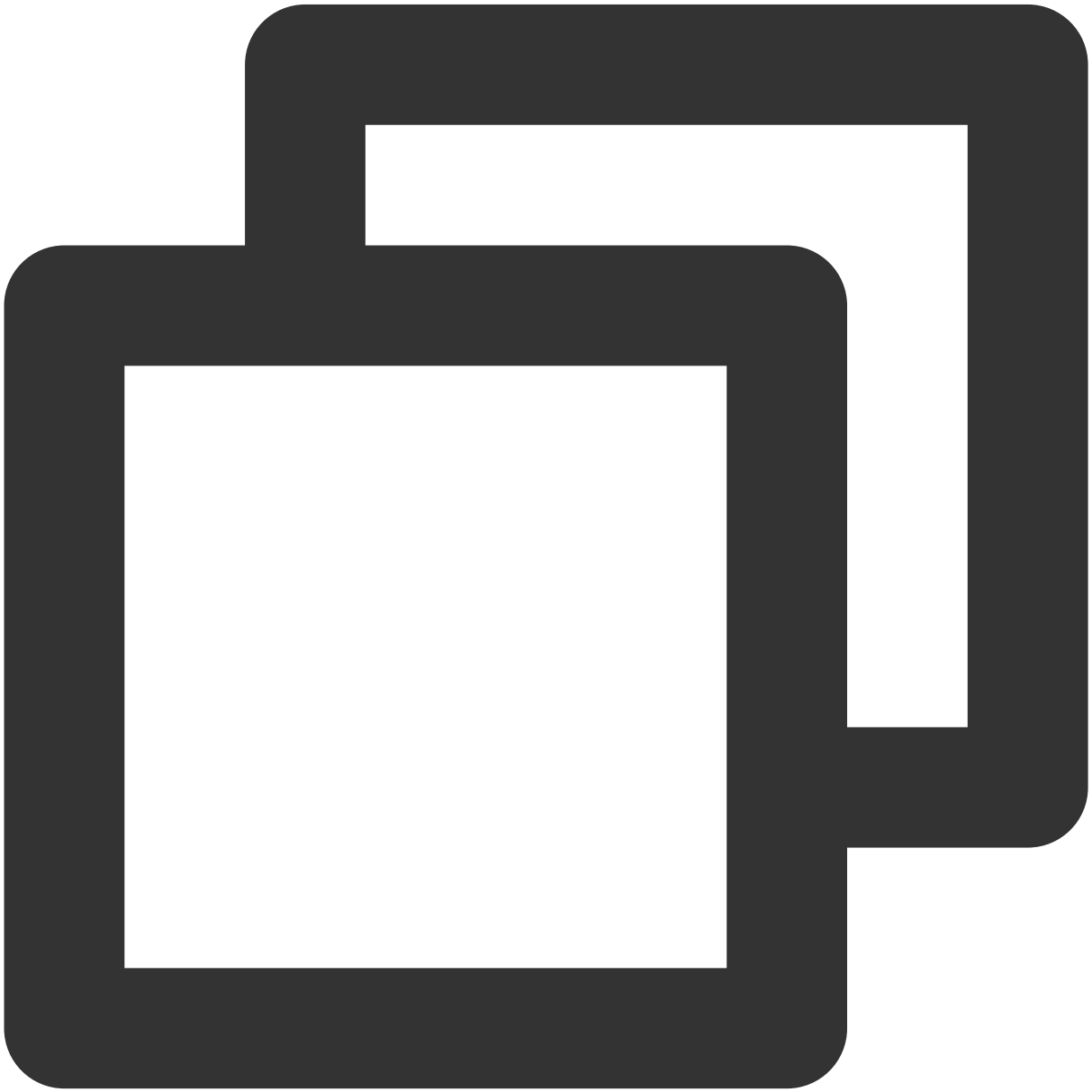
Field	Type	Attribute	Description
GroupId	String	Required	ID of the group to operate on
PermissionGroupIdList	Array	Required	Permission group ID list. Up to 20 permission groups can be terminated at a time.

Sample Response Packet



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode": 0,
    "PermissionGroupResultList": [    // Returned results
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cM2"
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cN3"
        }
    ]
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
PermissionGroupResultList	Array	Returned results of permission group termination. Each item represents the execution result of terminating a permission group, with only ErrorCode 0 indicating successful termination.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description

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10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
11000	The requested SDKAppID does not support communities or communities with topics. Apply for a qualified SDKAppID, configure it, and then make a request again.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110007	Failed to dissolve the permission group.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Creating Permission Groups (Creating Permission Groups)

Modifying Permission Group Information (Modifying Permission Group Information)

Obtaining Permission Group Information (Obtaining Permission Group Information)

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Modifying Permission Group Information

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to modify information related to the permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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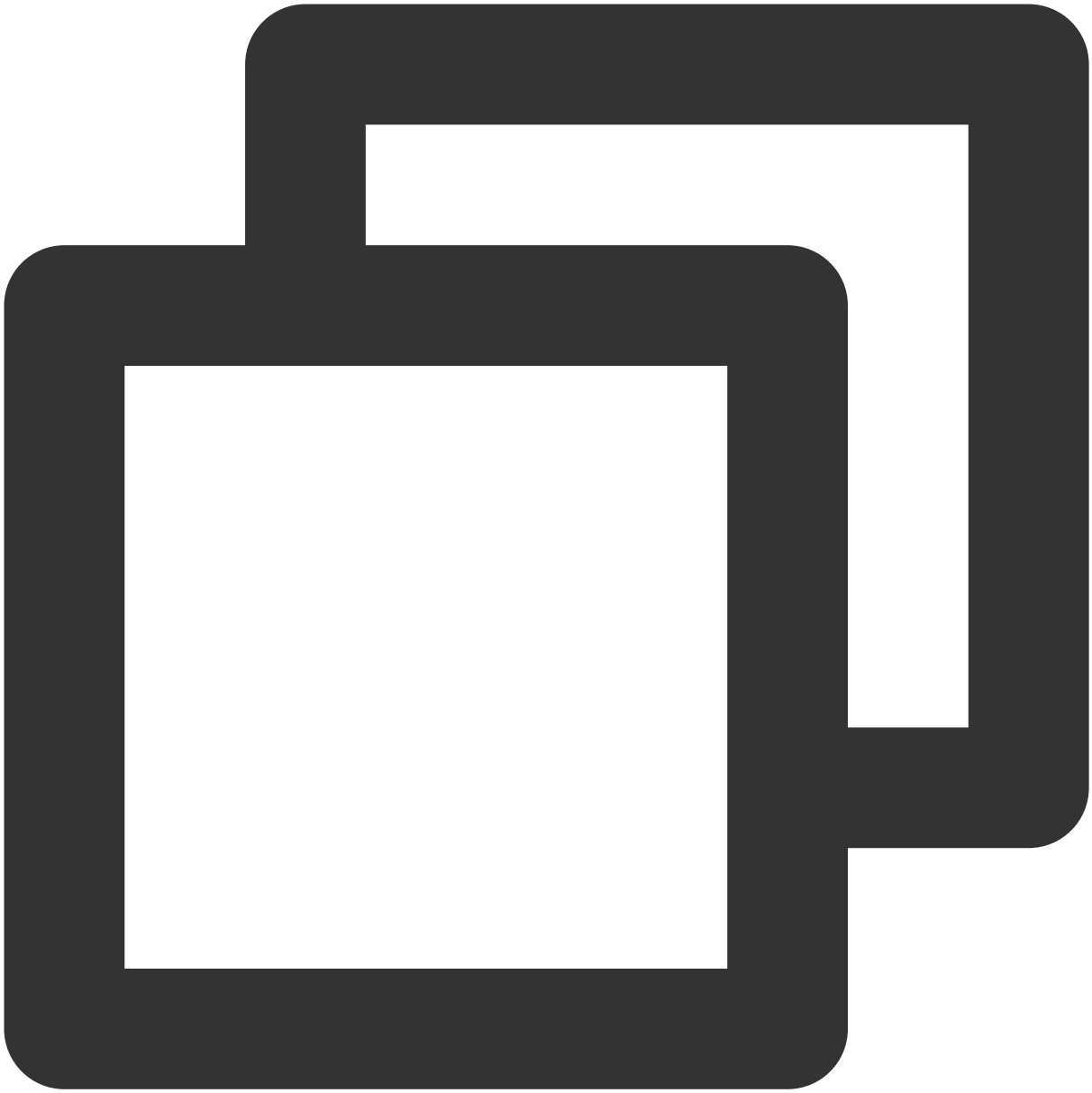

```
https://xxxxxx/v4/group_open_http_svc/modify_permission_group?sdkappid=88888888&ide
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

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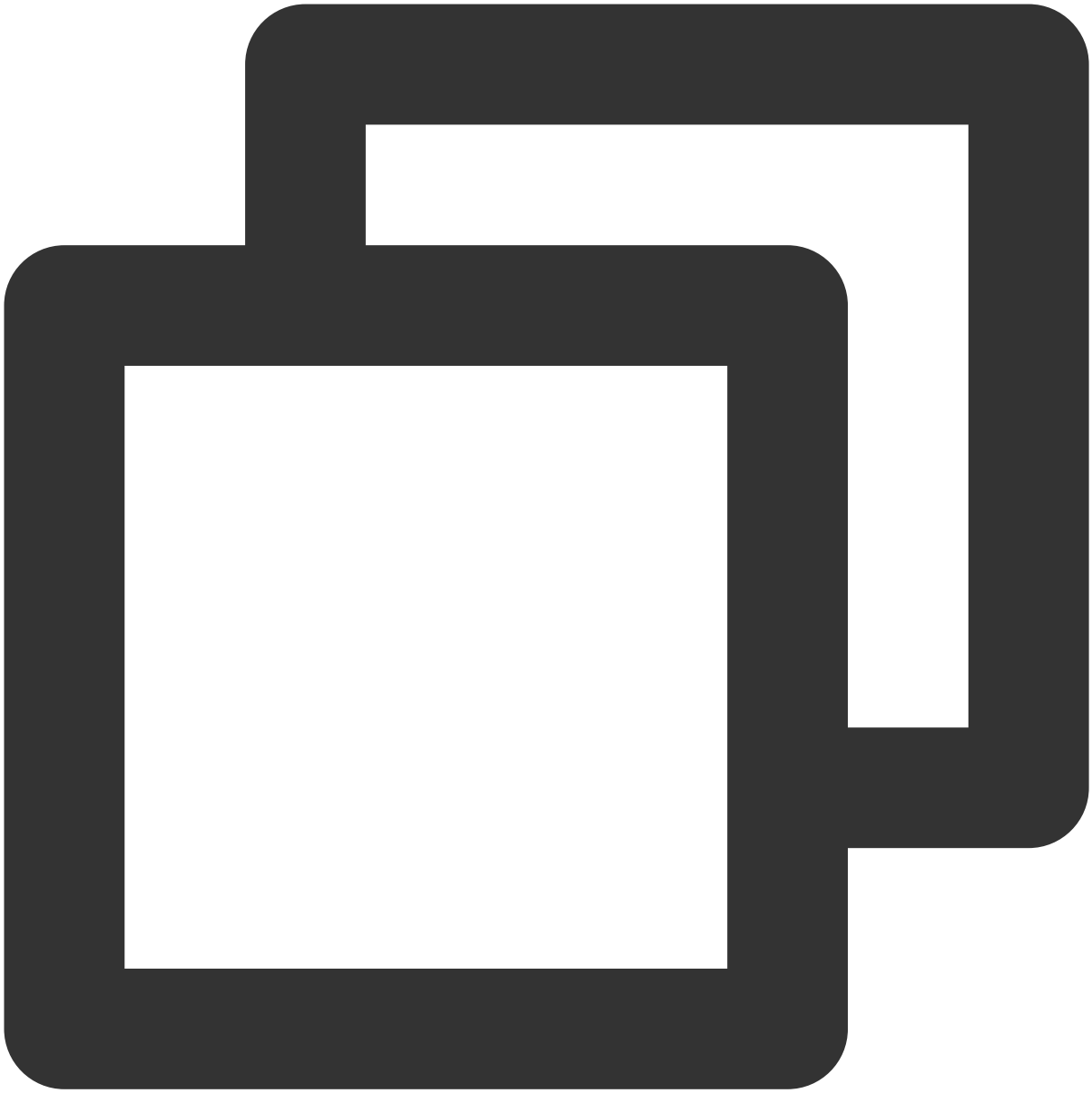

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group",
    "Permission": 123,
    "PermissionGroupName": "test_modify_group_name",
    "CustomString": "test_modify_custom_string",
}
```

Description of Request Packet Fields

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Field	Type	Attribute	Description
GroupId	String	Required	ID of the group to operate on
PermissionGroupId	String	Required	Permission group ID
PermissionGroupName	String	Optional	The name of the permission group. It can contain up to 150 UTF-8 encoded bytes, and 1 Chinese character occupies 3 bytes.
Permission	Integer	Optional	Specific permissions associated with the permission group
CustomString	String	Optional	The custom fields of the permission group. It can contain up to 3000 bytes. The business layer can use this field to meet the needs of special scenarios.

Sample Response Packet

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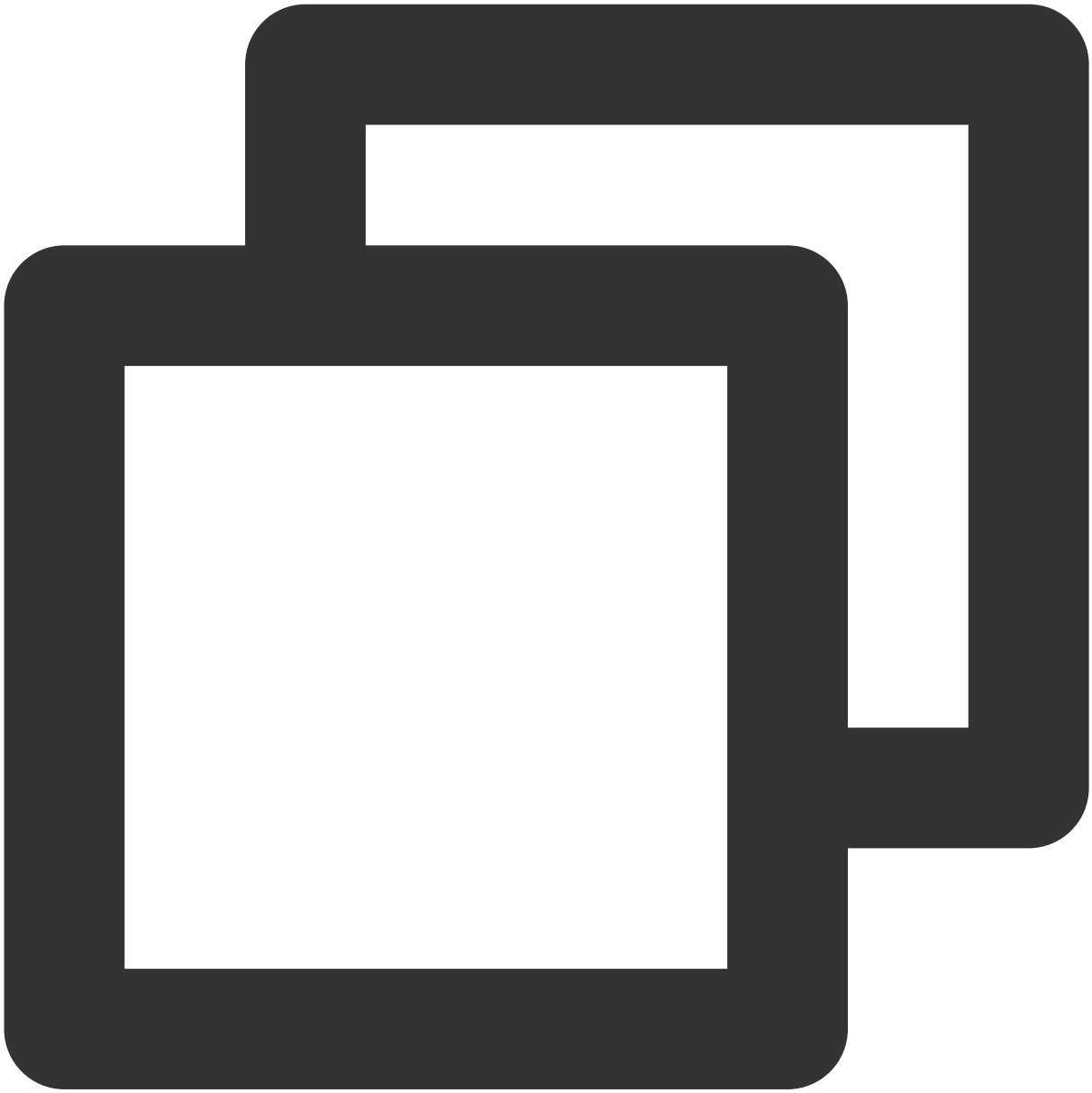

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response Packet Fields

Field	Type	Description

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ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.
Common error codes (60000 to 79999) can be found in the Error Codes document.
The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
11000	The requested SDKAppID does not support communities or communities with topics. Apply for a qualified SDKAppID, configure it, and then make a request again.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

API Debugging Tool

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Use the RESTful API Online Debugging Tool to debug this API.

References

Creating Permission Groups (Creating Permission Groups)

Terminating Permission Groups (Terminating Permission Groups)

Obtaining Permission Group Information (Obtaining Permission Group Information)

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Obtaining Permission Group Information

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to obtain relevant information about the permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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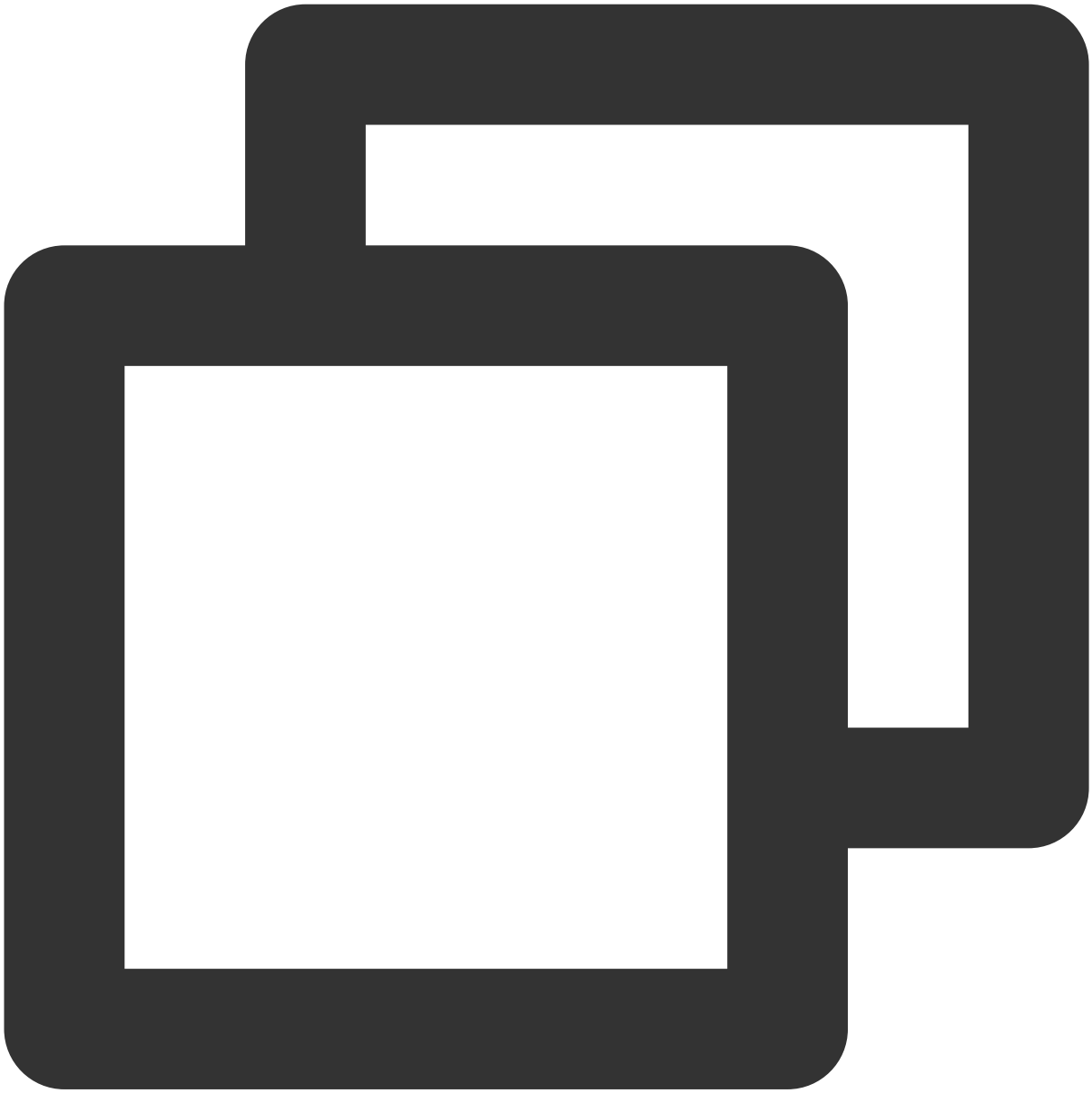

```
https://xxxxxx/v4/group_open_http_svc/get_permission_group?sdkappid=88888888&identi
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Obtaining All Permission Groups

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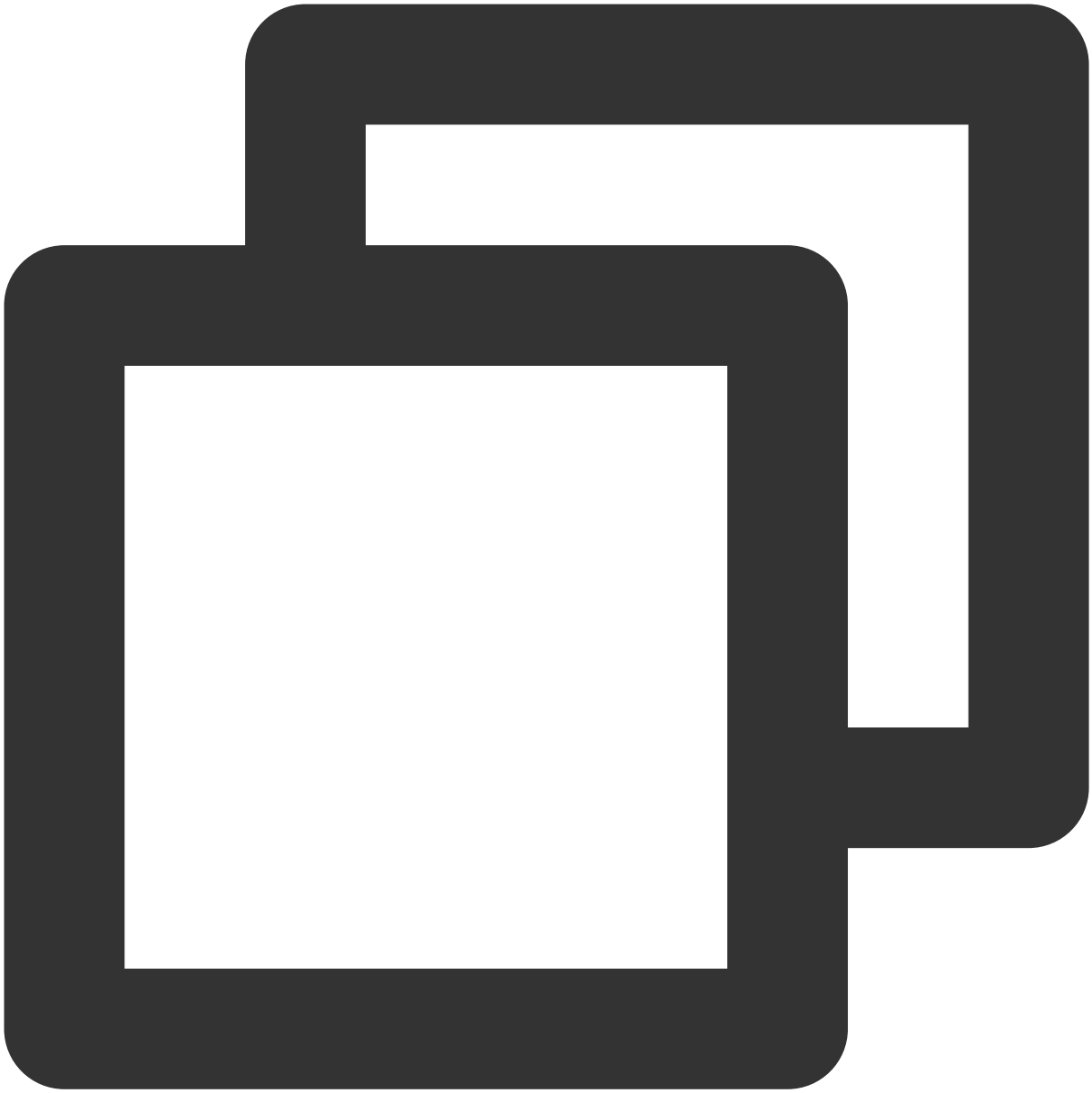

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "Limit": 20,
    "Next": ""
}
```

Obtaining Specified Permission Group

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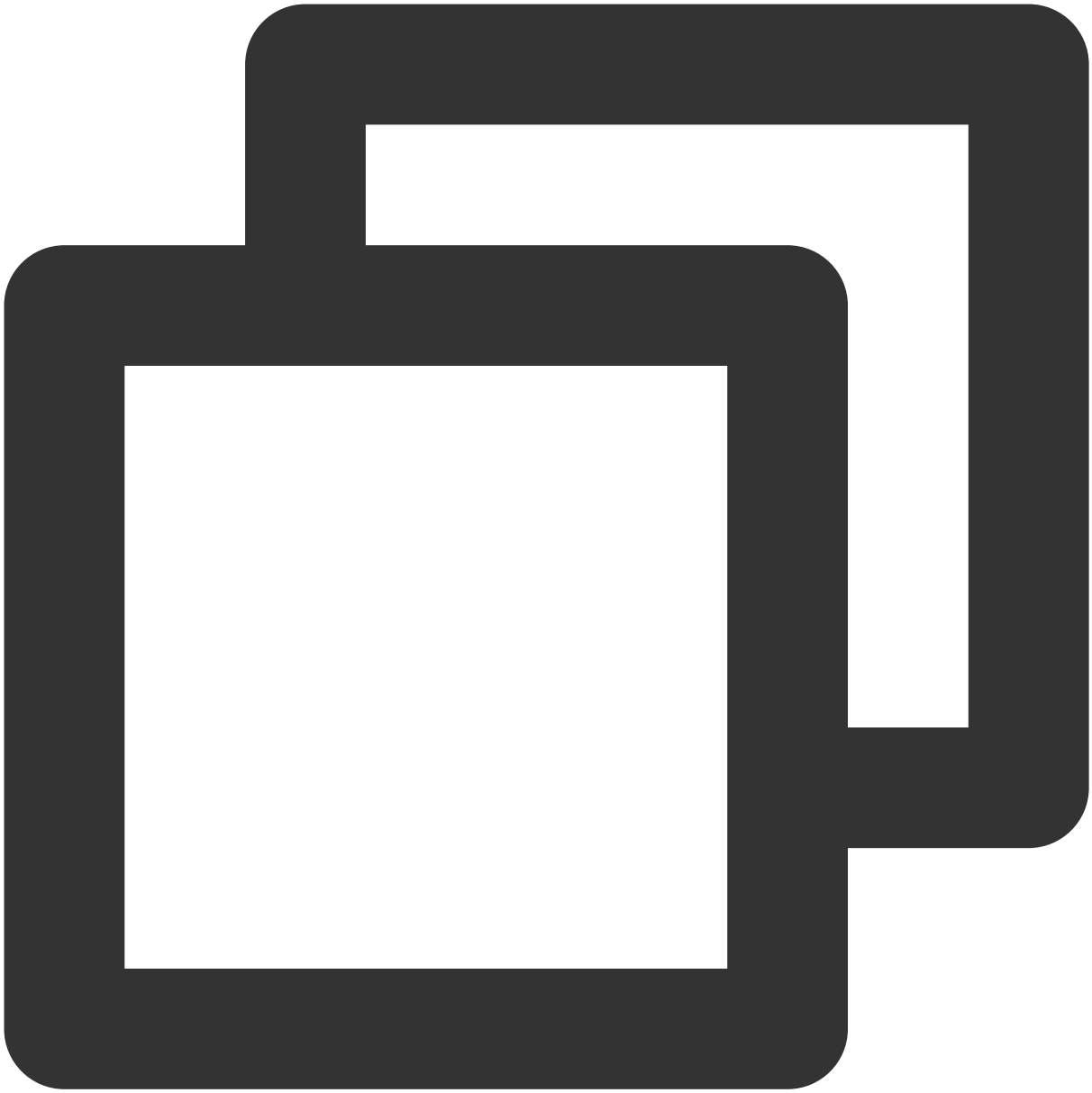

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupIdList": [
        "@PMG#_test_permission_group_with_topic",
        "@PMG#_@PMG#cA7VPIIM62CJ"
    ]
}
```

Description of Request Packet Fields

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Field	Type	Attribute	Description
GroupId	String	Required	ID of the group to operate on
PermissionGroupIdList	String	Optional	The list of permission groups to be obtained. If this field is empty, it means all permission groups are obtained.
Limit	Integer	Optional	How many permission groups' information can be obtained at one time. It cannot exceed 20 and is used for pagination to obtain all permission groups.
Next	Integer	Optional	The position of the last permission group obtained. Fill in "" for the first call, and fill in the Next Value returned in the response for subsequent pulling.

Sample Response Packet

Obtaining All Permission Groups

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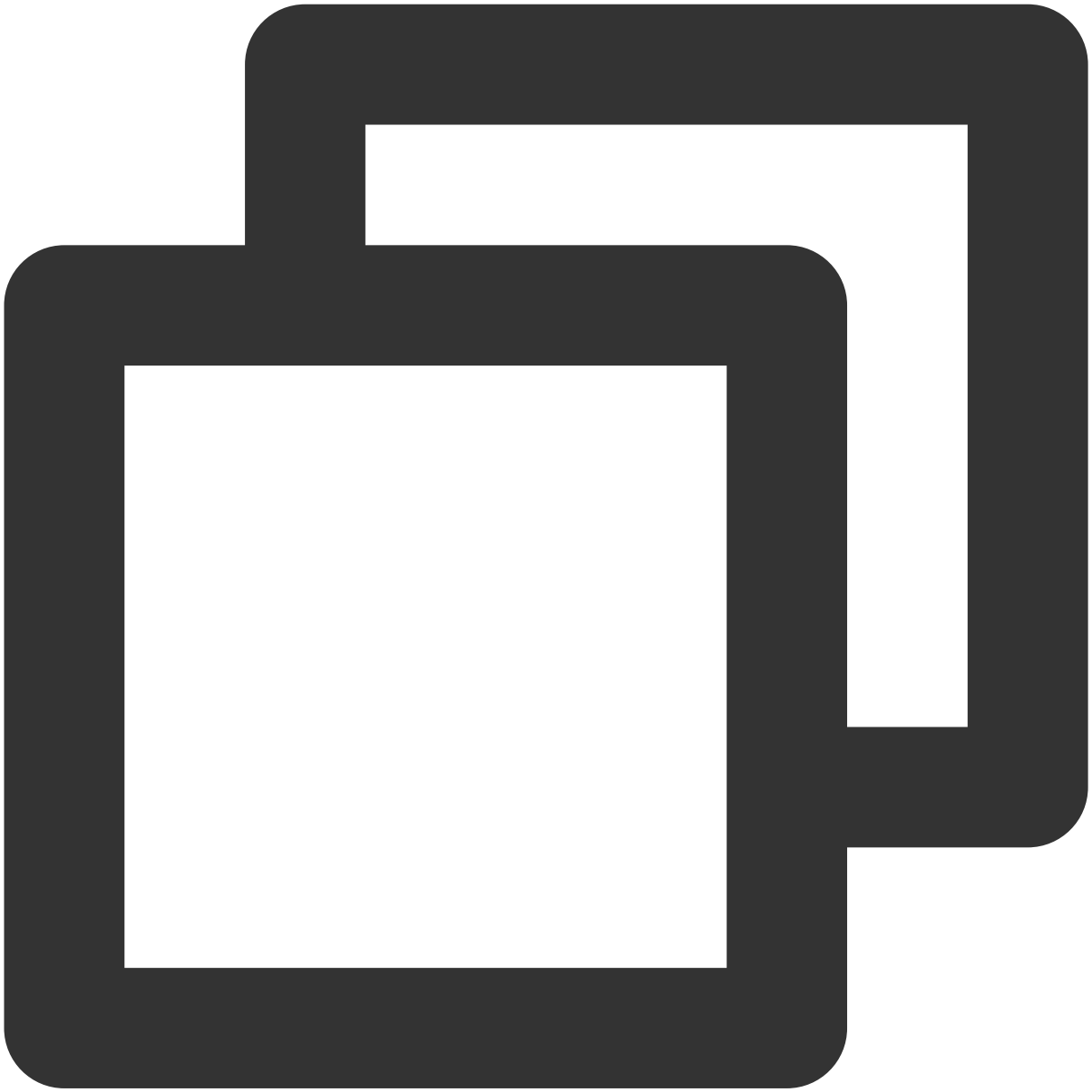

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "PermissionGroupInfoList": [    // The permission group information returned. E
        {
            "ErrorCode": 0,    // The result of obtaining this permission group
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cO4",
            "PermissionGroupName": "test_permission_group",
            "CustomString": "test_custom_string",
```

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```
            "Permission": 123,
            "MemberCount": 0    // Number of members in the permission group
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cP5",
            "PermissionGroupName": "test_permission_group",
            "CustomString": "test_custom_string",
            "Permission": 123,
            "MemberCount": 0
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cQ6",
            "PermissionGroupName": "test_permission_group",
            "CustomString": "test_custom_string",
            "Permission": 123,
            "MemberCount": 0
        },
        // The following omits some permission group information.
    ],
    "Next": ""
}
```

Obtaining Specified Permission Group

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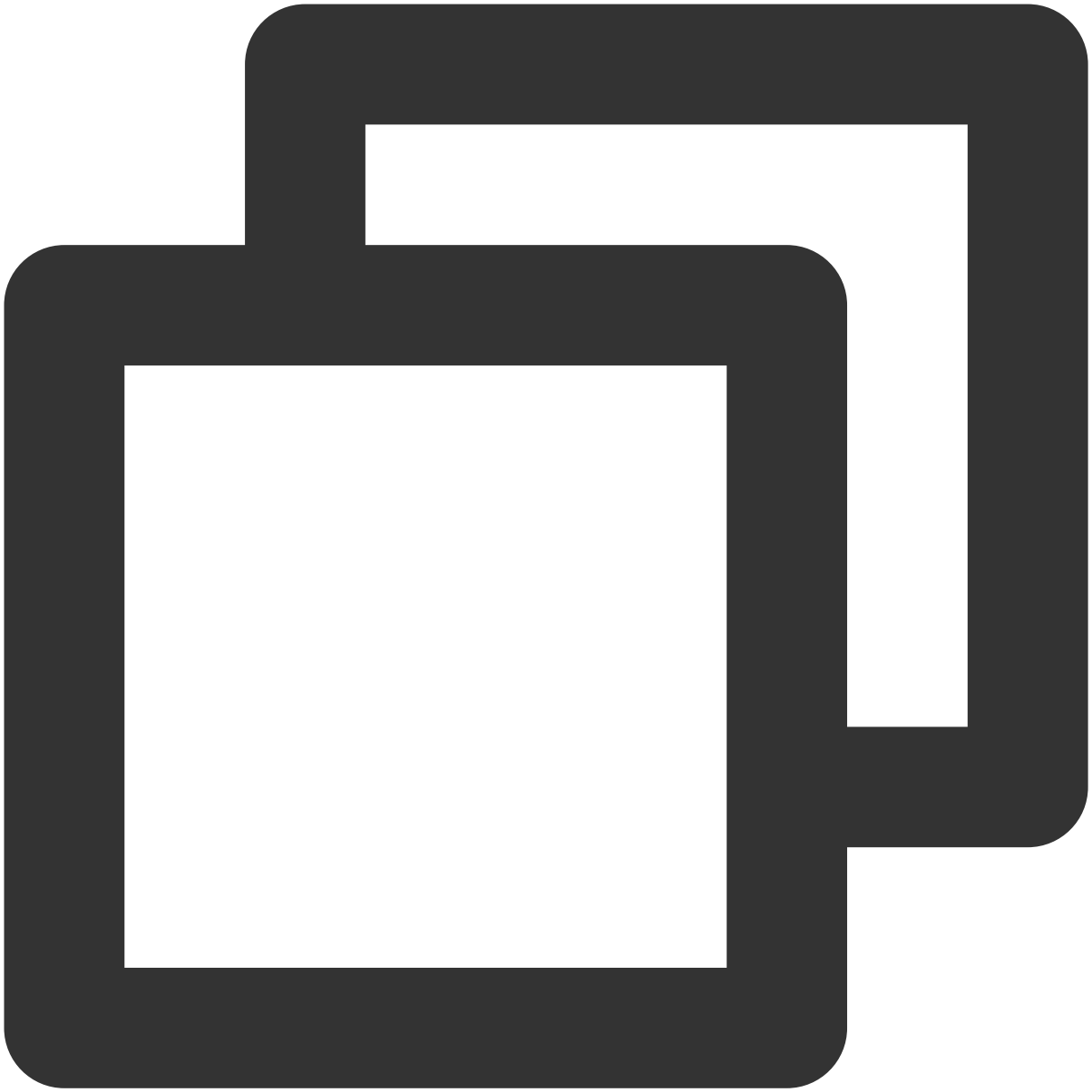


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "PermissionGroupInfoList": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_test_permission_group_with_topic",
            "PermissionGroupName": "test_permission_group",
            "CustomString": "test_custom_string",
```


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```
            "Permission": 123,
            "MemberCount": 1
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "PermissionGroupId": "@PMG#_@PMG#cP5",
            "PermissionGroupName": "test_permission_group",
            "CustomString": "test_custom_string",
            "Permission": 123,
            "MemberCount": 0
        }
    ],
    "Next": ""
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
PermissionGroupInfoList	Array	The obtained permission group data list (note that each permission group data includes ErrorCode and ErrorInfo. Only the data with ErrorCode as 0 is meaningful). For field details, refer to Permission Group Information.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description

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10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
11000	The requested SDKAppID does not support communities or communities with topics. Apply for a qualified SDKAppID, configure it, and then make a request again.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Creating Permission Groups (Creating Permission Groups)

Terminating Permission Groups (Terminating Permission Groups)

Modifying Permission Group Information (Modifying Permission Group Information)

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Adding Topic Permissions

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to add topic permissions to a permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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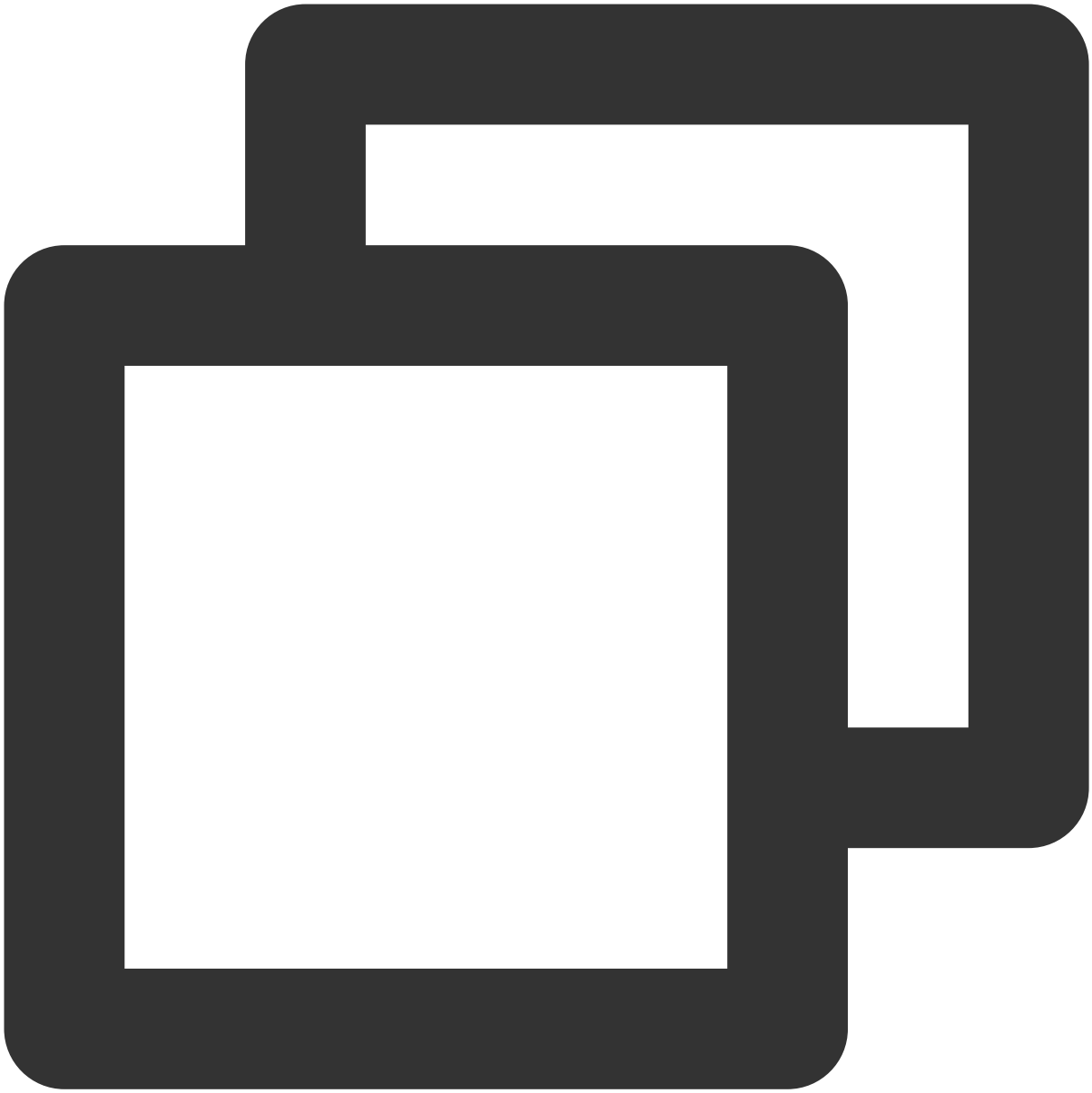

```
https://xxxxxx/v4/group_open_http_svc/add_topic_permission_group?sdkappid=88888888&
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/add_topic_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

It is used to add topic permissions to a permission group.

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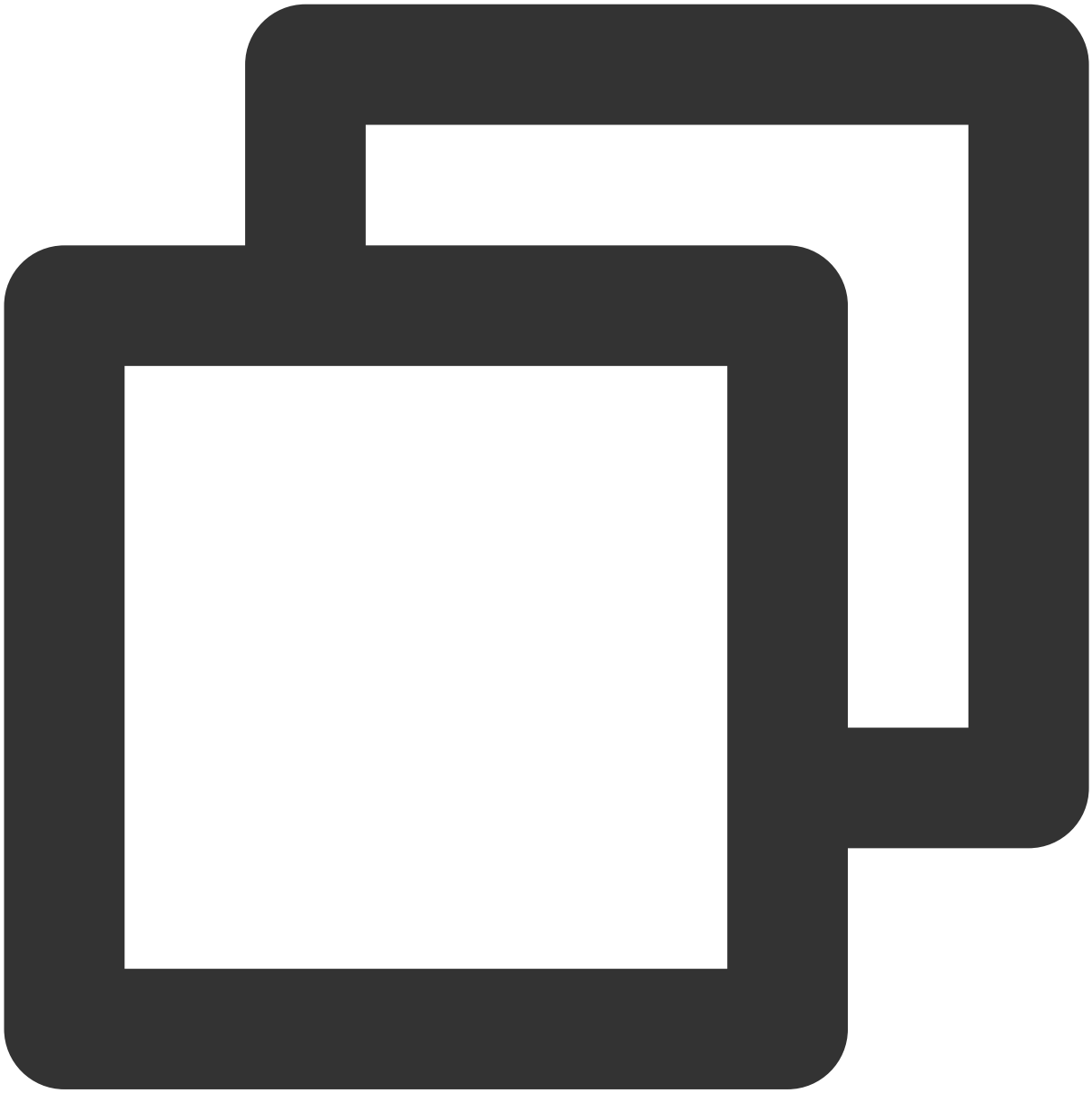

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group_with_topic",
    "TopicPermissionList": [
        {
            "Permission": 1234,
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cKXPQIIM62CD"
        }
    ]
}
```

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Description of Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	Group ID
PermissionGroupId	String	Required	Permission group ID
TopicPermissionList	Array	Required	The topic permissions added cannot exceed 50 in one request.
TopicId	String	Required	Added topic ID
Permission	Integer	Required	Similar to the permission bits of a permission group, each bit of topic permissions represents a specific permission. For detailed descriptions, refer to Topic Permission Bits.

Sample Response Packet

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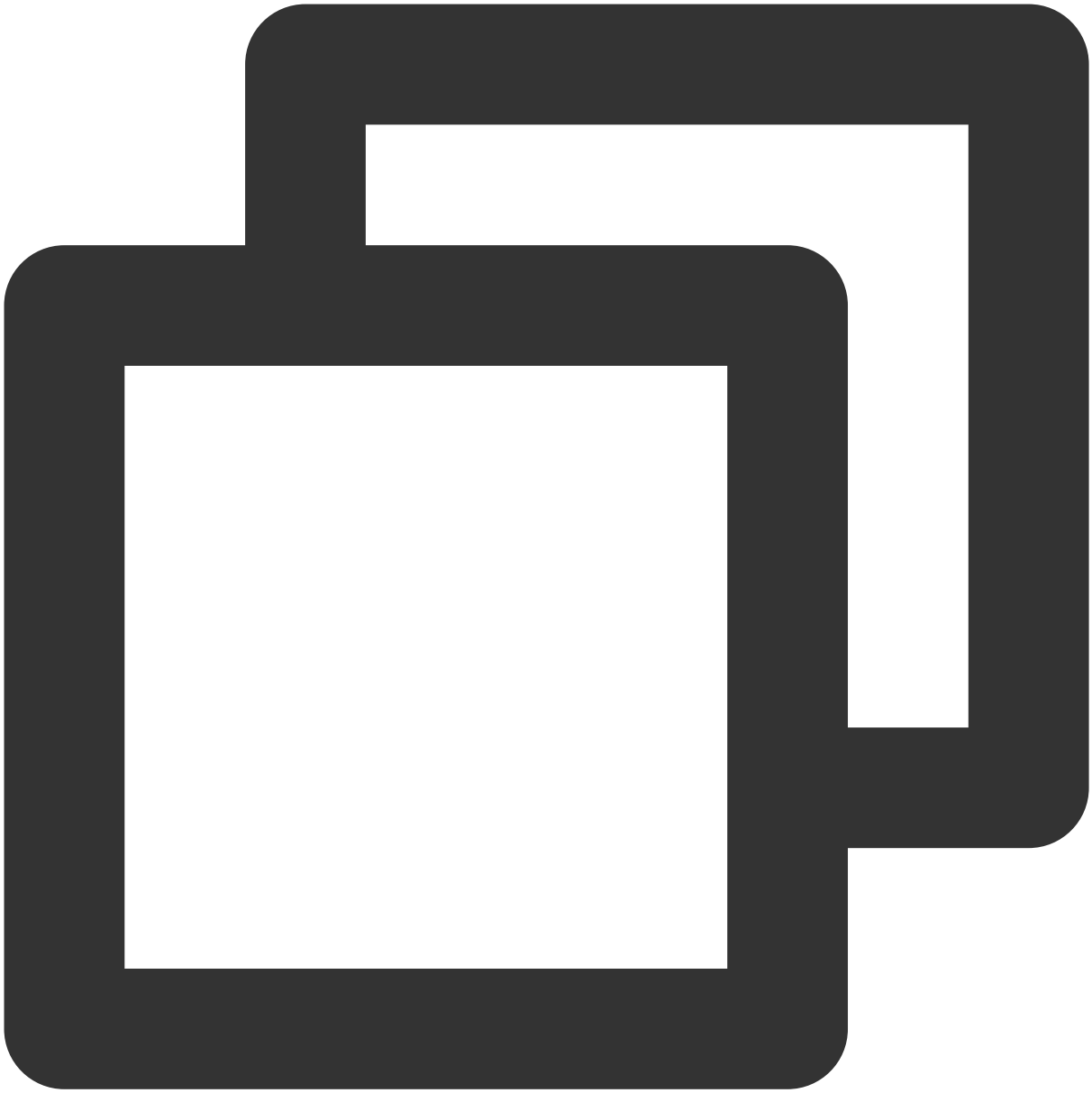

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TopicPermissionResultList": [
        {
            "ErrorCode": 0, // Returned results
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cKXPQIIM62CD"
        }
    ]
```

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```
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
TopicPermissionResultList	Array	Addition results of topic permissions. Each item represents a result. Only an ErrorCode of 0 indicates a successful addition.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.

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110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.
110010	The permission group or topic permission already exists.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Creating Permission Groups (Creating Permission Groups)

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Modifying Topic Permissions

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to modify the topic permissions in a permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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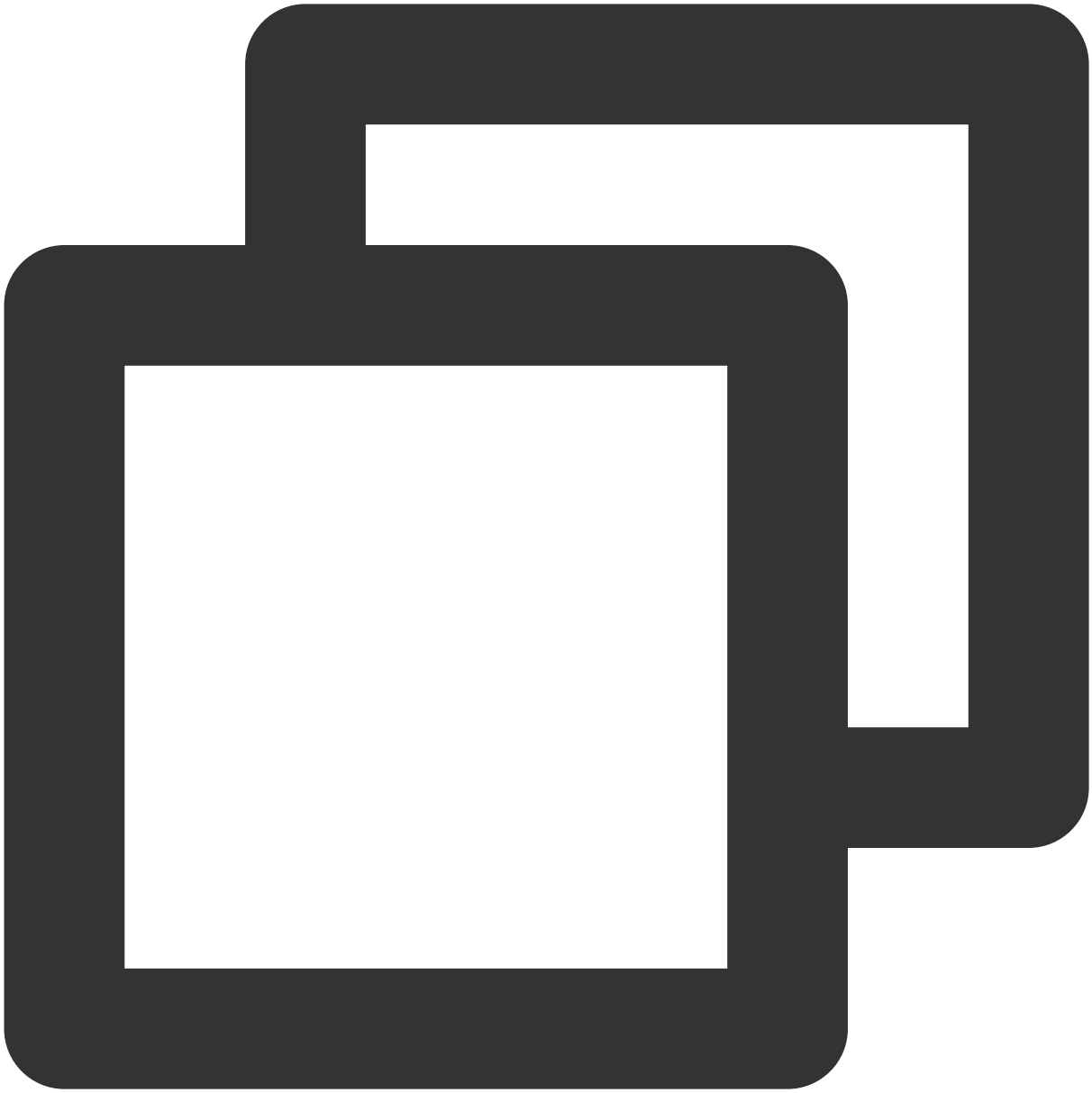

```
https://xxxxxx/v4/group_open_http_svc/set_topic_permission_group?sdkappid=88888888&
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/set_topic_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Modify topic permissions in a permission group

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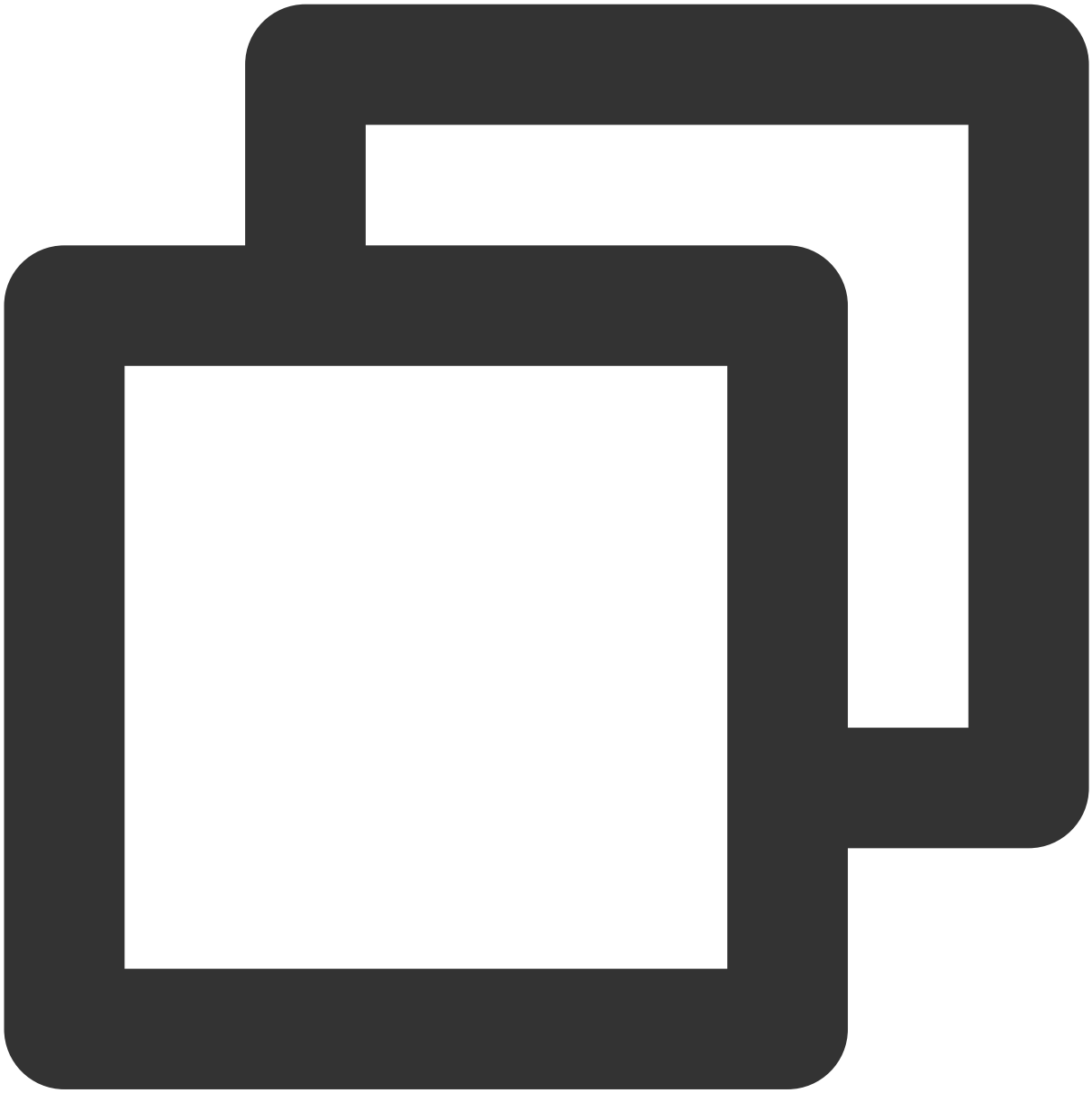

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group_with_topic",
    "TopicPermissionList": [
        {
            "Permission": 123456,
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cTEJHIIM62CJ"
        }
    ]
}
```

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Description of Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	Group ID
PermissionGroupId	String	Required	Permission group ID
TopicPermissionList	Array	Required	The topic permissions added cannot exceed 50 in one request.
TopicId	String	Required	Added topic ID
Permission	Integer	Required	Similar to the permission bits of a permission group, each bit of topic permissions represents a specific permission. For specific permission bit descriptions, refer to Introduction to Topic Permission Bits.

Sample Response Packet

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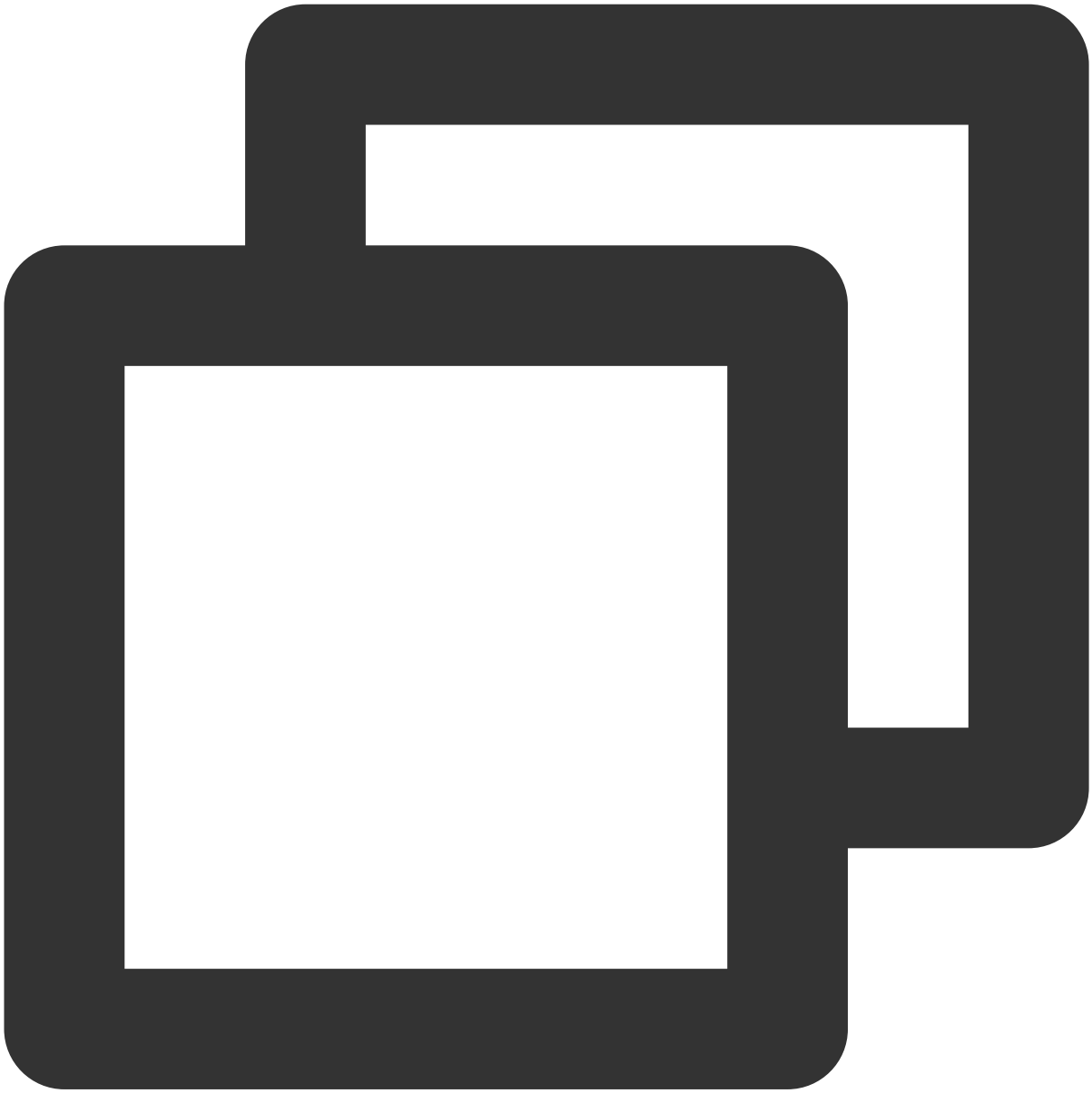


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TopicPermissionResultList": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cTEJHIIM62CJ"
        }
    ]
```


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```
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
TopicPermissionResultList	Array	The result of the added topic permissions. Each item represents a result. Only when the ErrorCode is 0, it indicates a successful modification.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to delete permission group members
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.

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110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.
110011	Topic permissions do not exist.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Adding Topic Permissions (Adding Topic Permissions)
Deleting Topic Permissions (Deleting Topic Permissions)
Obtaining Topic Permissions (Obtaining Topic Permissions)

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Deleting Topic Permissions

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to delete topic permissions in a permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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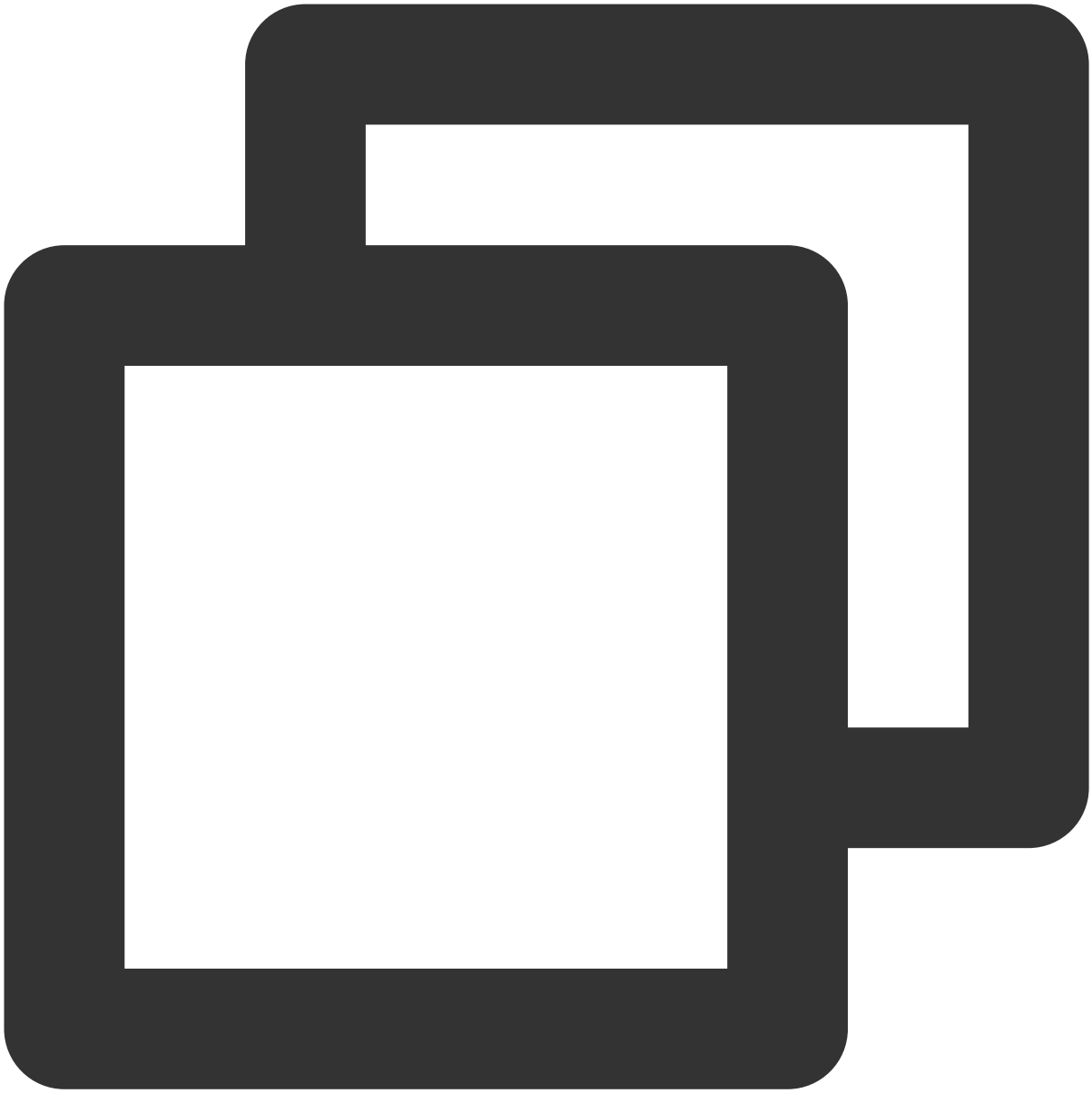

```
https://xxxxxx/v4/group_open_http_svc/delete_topic_permission_group?sdkappid=888888
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/delete_topic_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Delete topic permissions in a permission group

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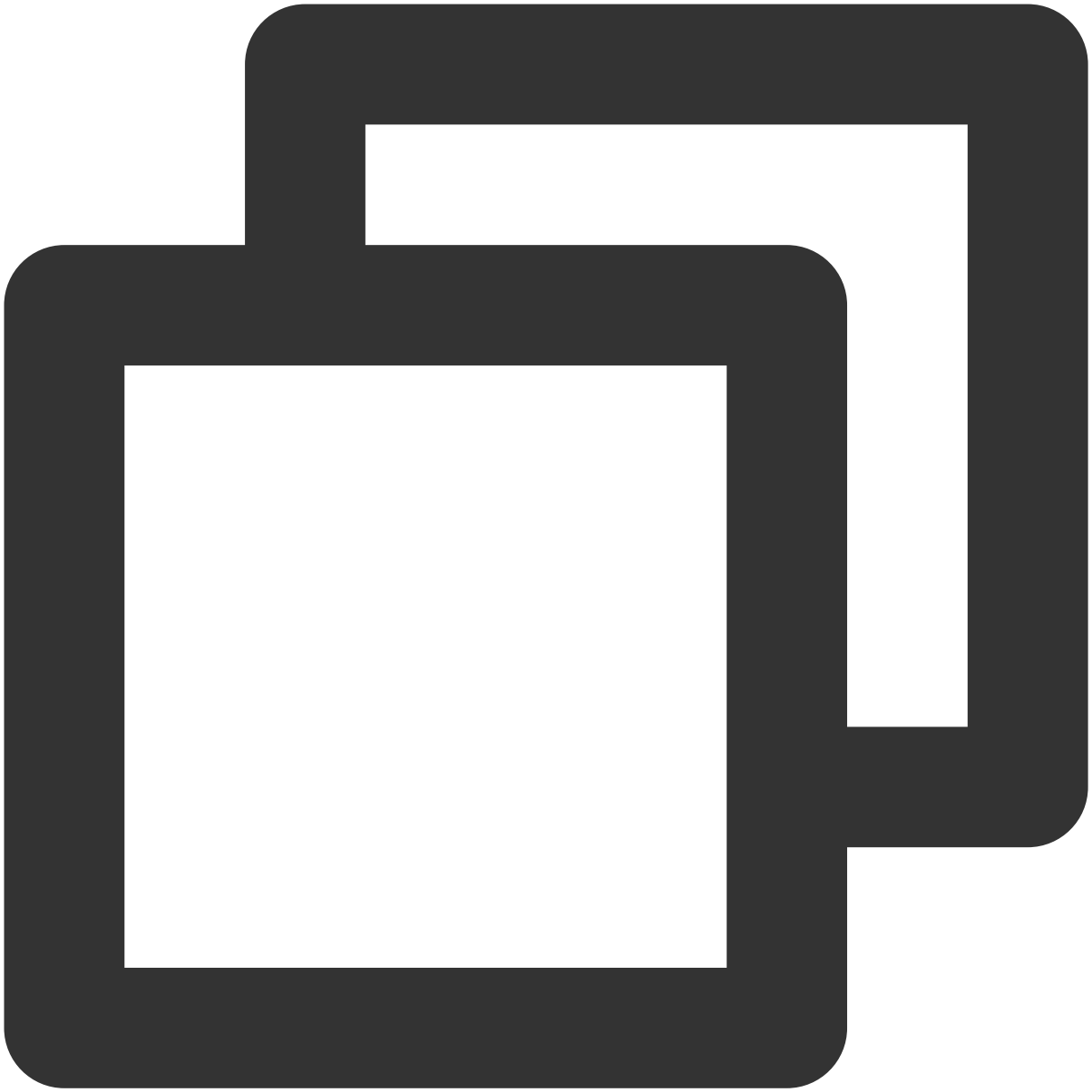

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group_with_topic",
    "TopicIdList": [
        "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cKXPQIIM62CD"
    ]
}
```

Description of Request Packet Fields

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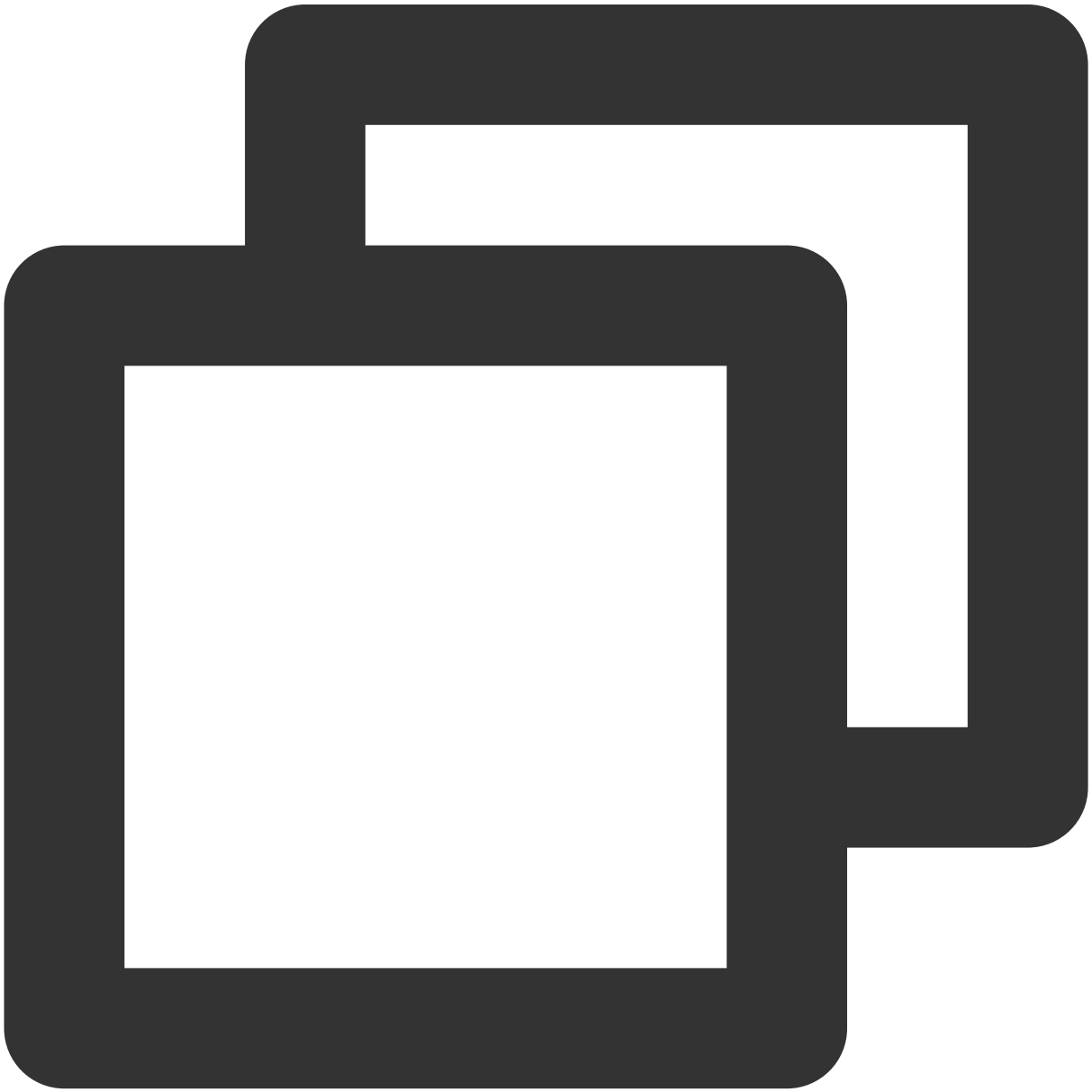
Field	Type	Attribute	Description
GroupId	String	Required	Group ID
PermissionGroupId	String	Required	Permission group ID
TopicIdList	Array	Required	List of topic IDs to be deleted. A maximum of 50 topics can be deleted per request.

Sample Response Packet



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```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TopicPermissionResultList": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cKXPQIIM62CD"
        }
    ]
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
TopicPermissionResultList	Array	Result of the deleted topic permissions. Each item represents a result. Only when the ErrorCode is 0, it indicates a successful modification.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word

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10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to delete permission group members
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.
110011	Topic permissions do not exist.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Adding Topic Permissions (Adding Topic Permissions)
Modifying Topic Permissions (Modifying Topic Permissions)

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Obtaining Topic Permissions

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to obtain topic permissions in a permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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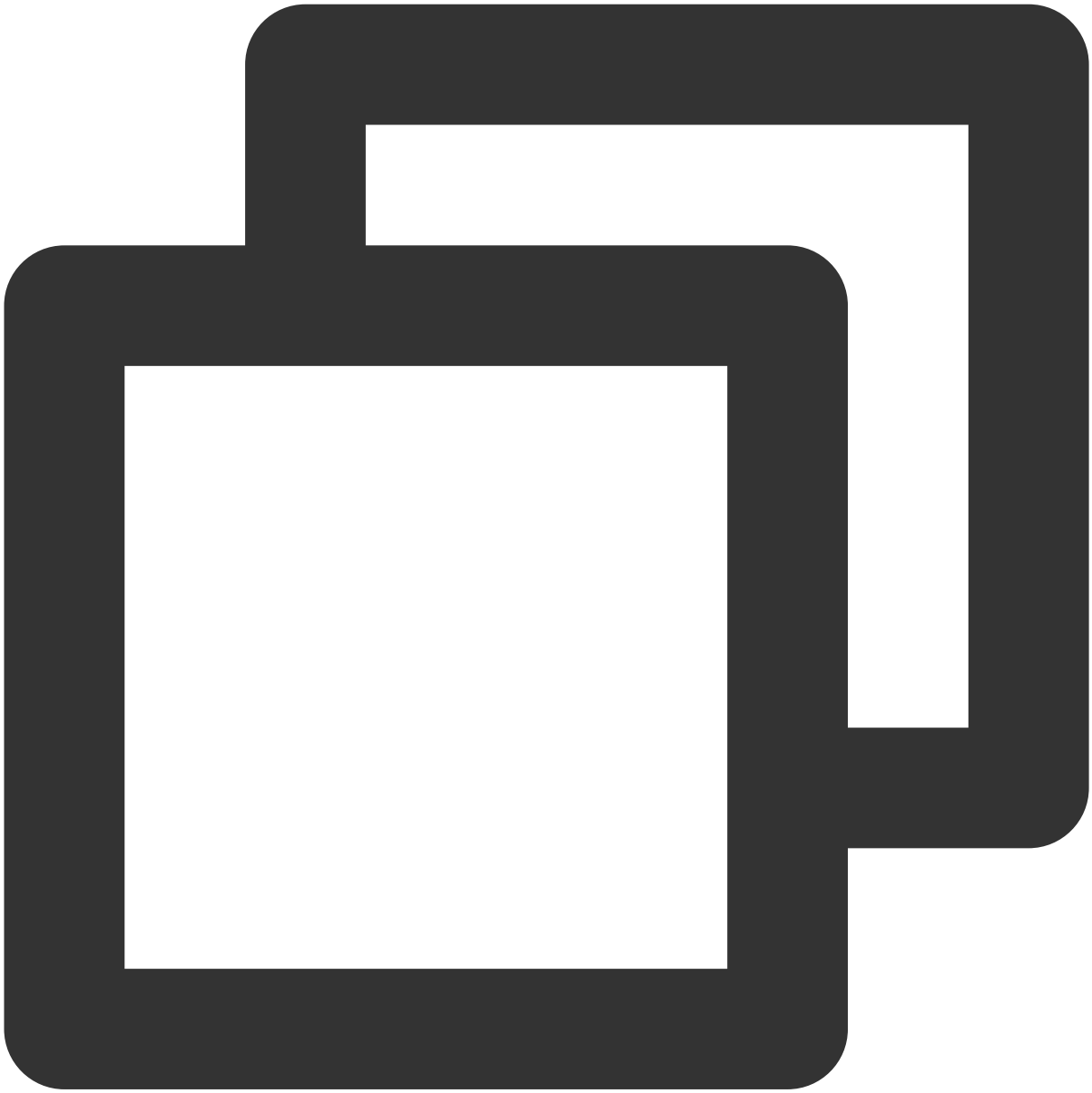

```
https://xxxxxx/v4/group_open_http_svc/get_topic_permission_group?sdkappid=88888888&
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_topic_permission_group	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Obtaining All Topic Permissions

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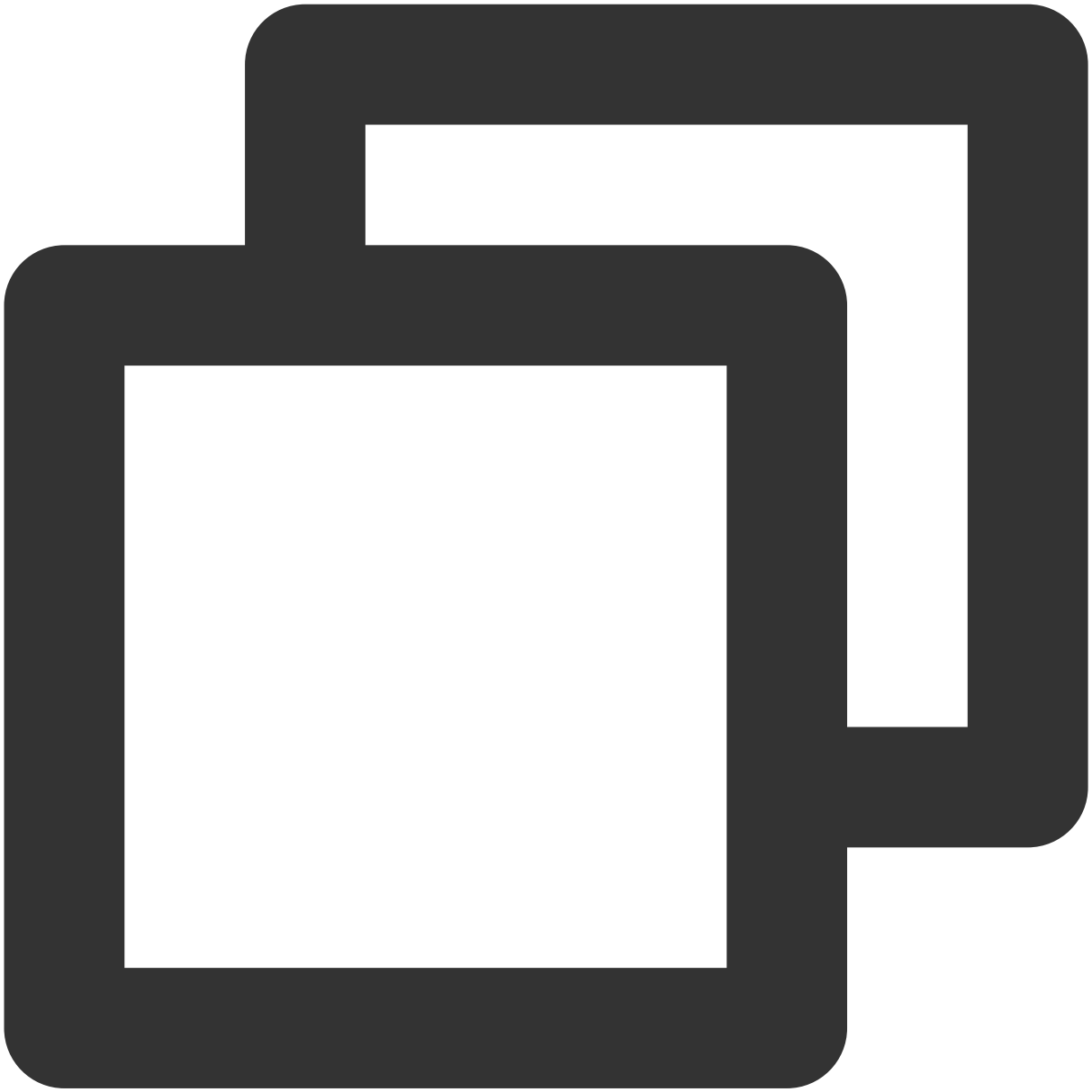

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group_with_topic"
}
```

Obtaining Specified Permission Group

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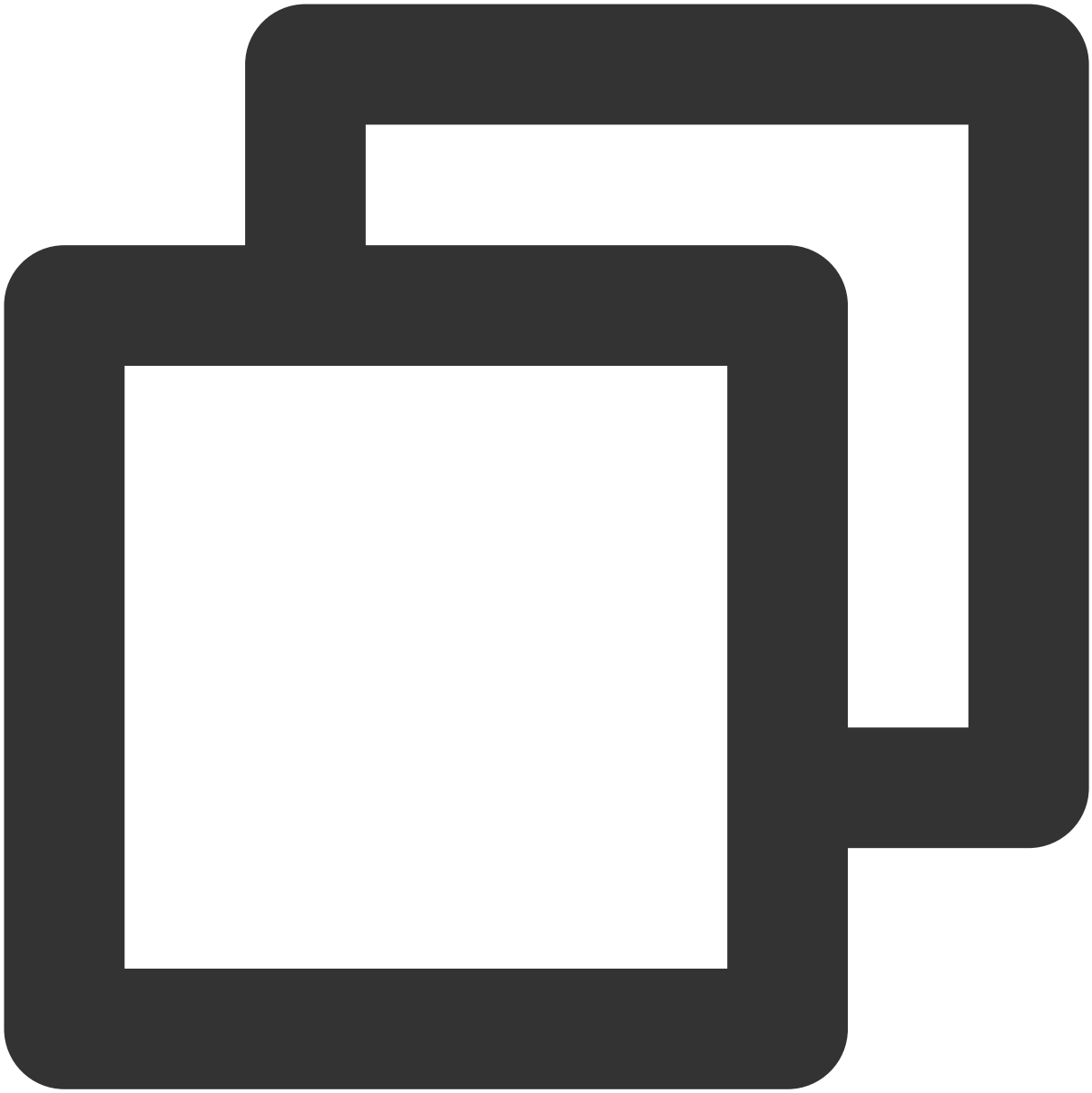

```
{
    "GroupId": "@TGS#_@TGS#cV6IHIIM62C4",
    "PermissionGroupId": "@PMG#_test_permission_group_with_topic",
    "TopicIdList": [
        "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cTEJHIIM62CJ"
    ]
}
```

Description of Request Packet Fields

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Field	Type	Attribute	Description
GroupId	String	Required	Group ID
PermissionGroupId	String	Required	Permission group ID
TopicIdList	Array	Required	The list of topic permissions to be retrieved. If this parameter is not specified, all topic permissions will be returned.

Sample Response Packet

Obtaining All Permission Groups

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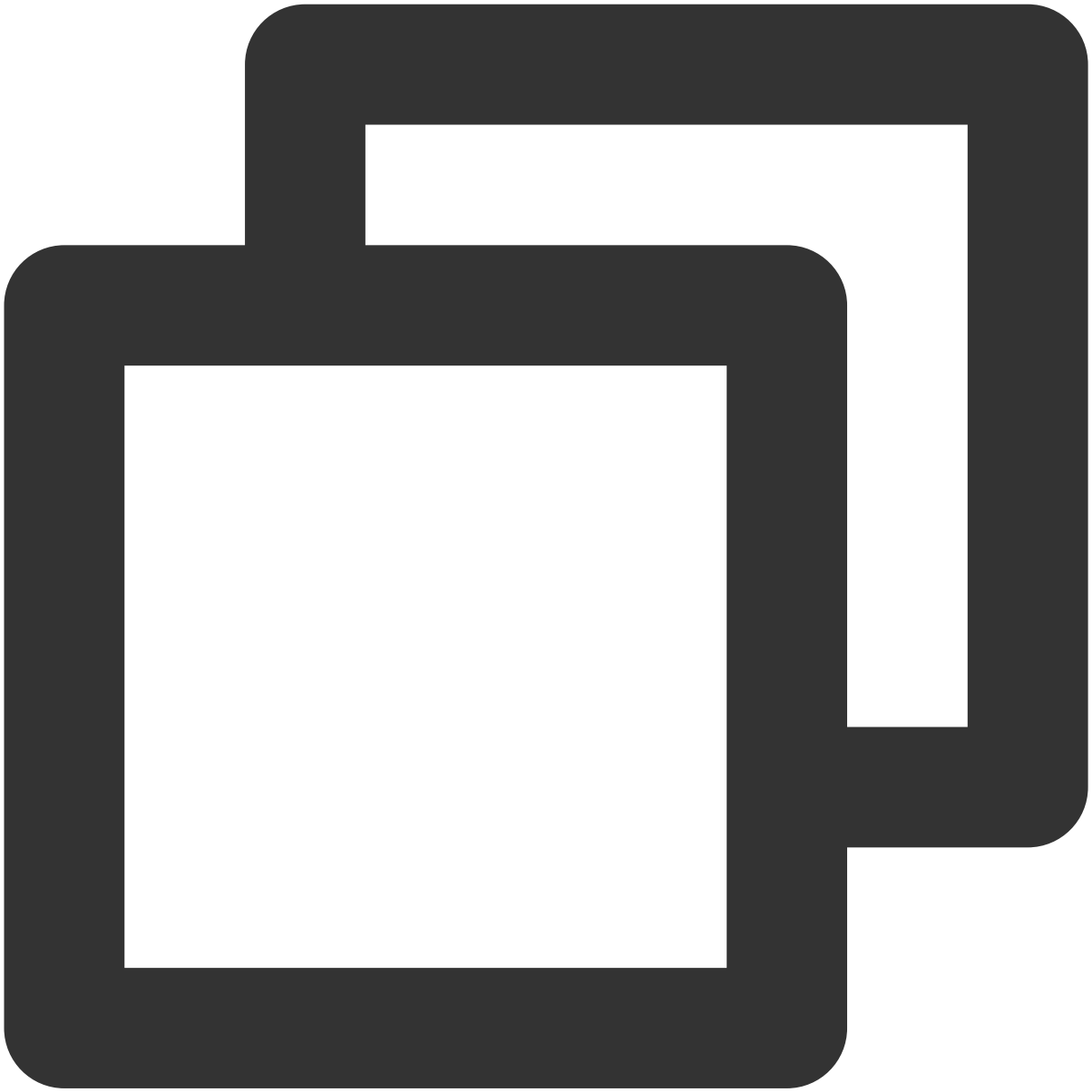


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TopicPermissionResultList": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cKXPQIIM62CD",
            "Permission": 1234
        },
```


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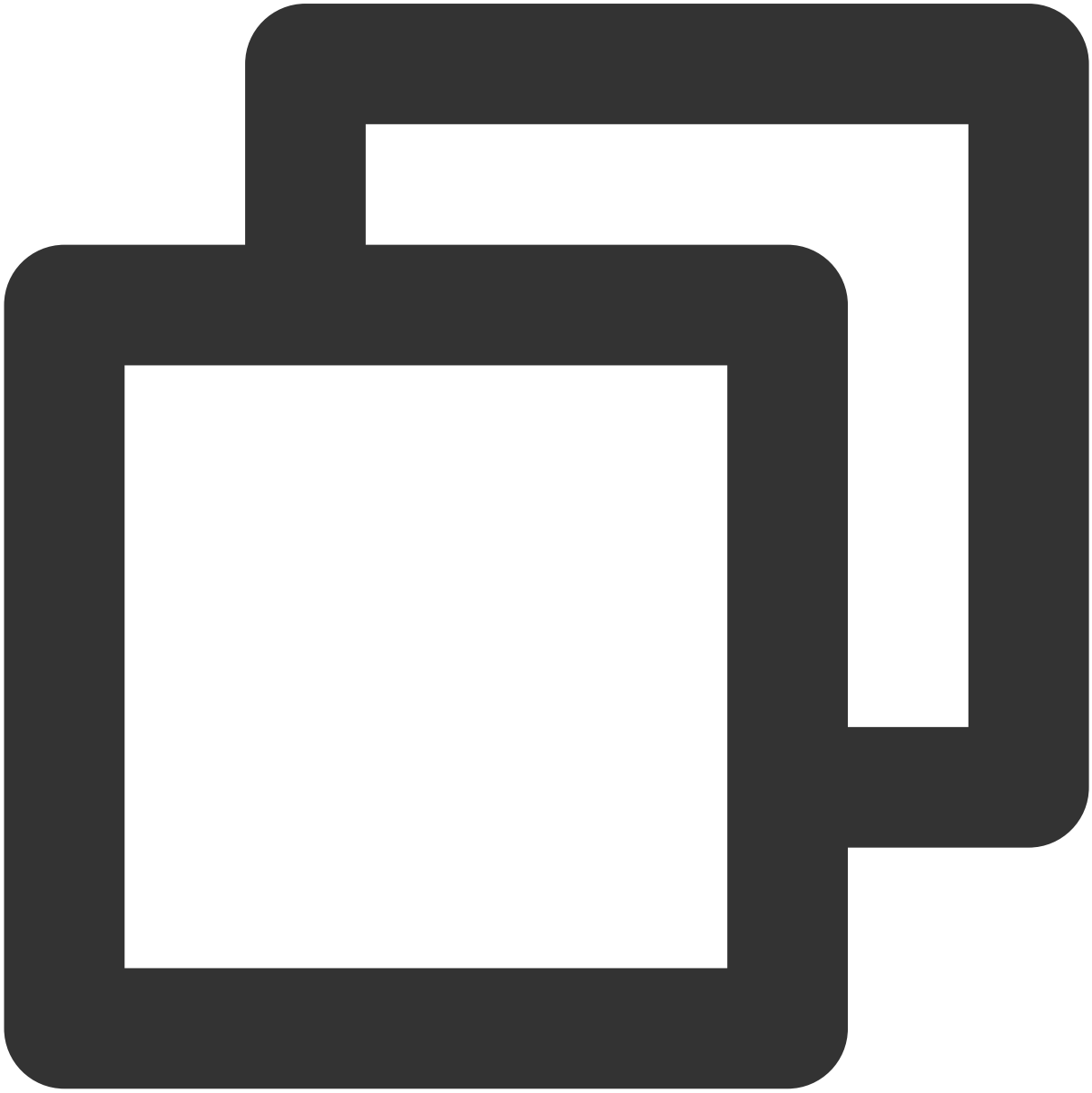
```
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cTEJHIIM62CJ",
            "Permission": 123456
        }
    ]
}
```

Obtaining Specified Permission Group



```
{
```

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```
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TopicPermissionResultList": [
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "TopicId": "@TGS#_@TGS#cV6IHIIM62C4@TOPIC#_@TOPIC#cTEJHIIM62CJ",
            "Permission": 123456
        }
    ]
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
TopicPermissionResultList	Array	The results of obtained topic permissions. Each item represents a result. Only the topic permissions with an ErrorCode of 0 are meaningful.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word

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10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to create a permission group
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.
110014	Topic permissions deleted

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Adding Topic Permissions (Adding Topic Permissions)
Modifying Topic Permissions (Modifying Topic Permissions)
Deleting Topic Permissions (Deleting Topic Permissions)

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Adding Members to a Permission Group

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to add new members to a specified permission group.

API Calling Description

Applicable Group Types

Group Type	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned four types of groups. For details, refer to Group System.

Sample Request URL

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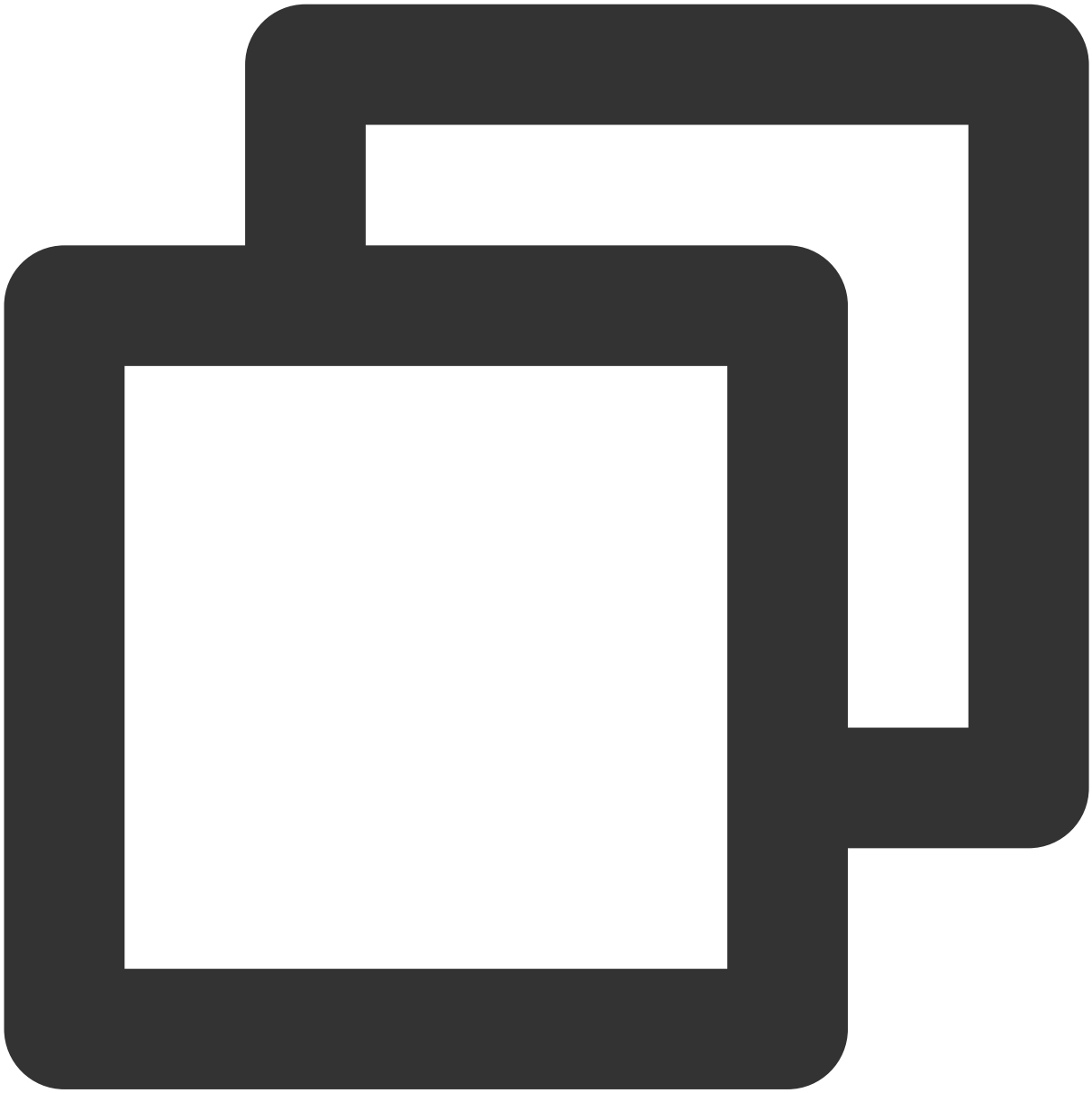

```
https://xxxxxx/v4/group_open_http_svc/add_permission_group_member?sdkappid=88888888
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is located:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/add_permission_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an application is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

It is used to add members to the permission group. A maximum of 100 members can be added per request.

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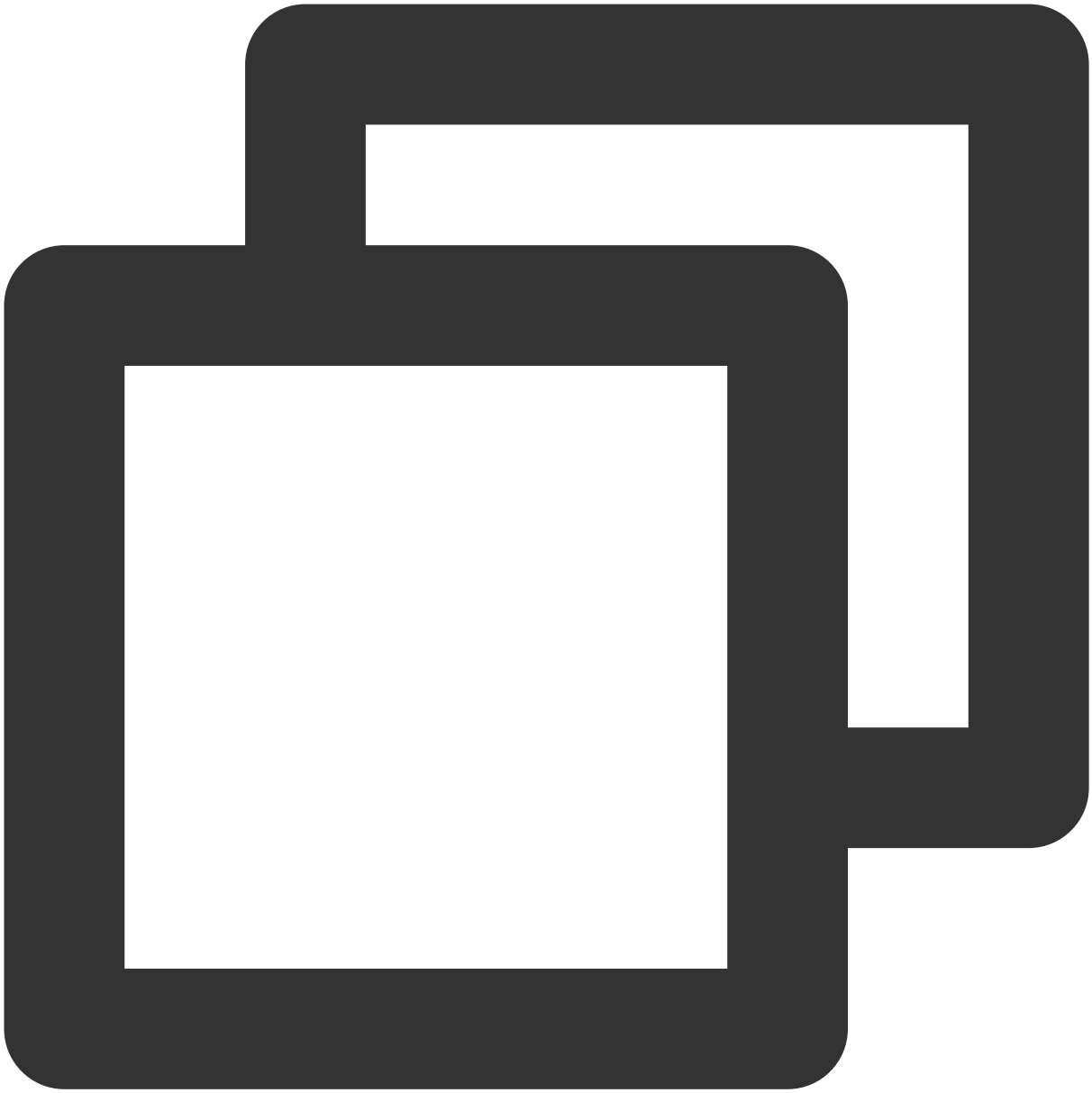

```
{
  "GroupId": "@TGS#_@TGS#cAVQXXXXXX", // Group to operate on (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group to operate on (required)
  "MemberList": [ // A maximum of 100 members can be added at once.
  {
      "Member_Account": "tommy" // Permission group member ID to be added (required
  },
  {
      "Member_Account": "jared"
  }]
}
```

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Description of Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the group to operate on
PermissionGroupId	String	Required	ID of the permission group to operate on
MemberList	Array	Required	Array of permission group members to be added
Member_Account	String	Required	UserID of the permission group member to be added

Sample Response Packet

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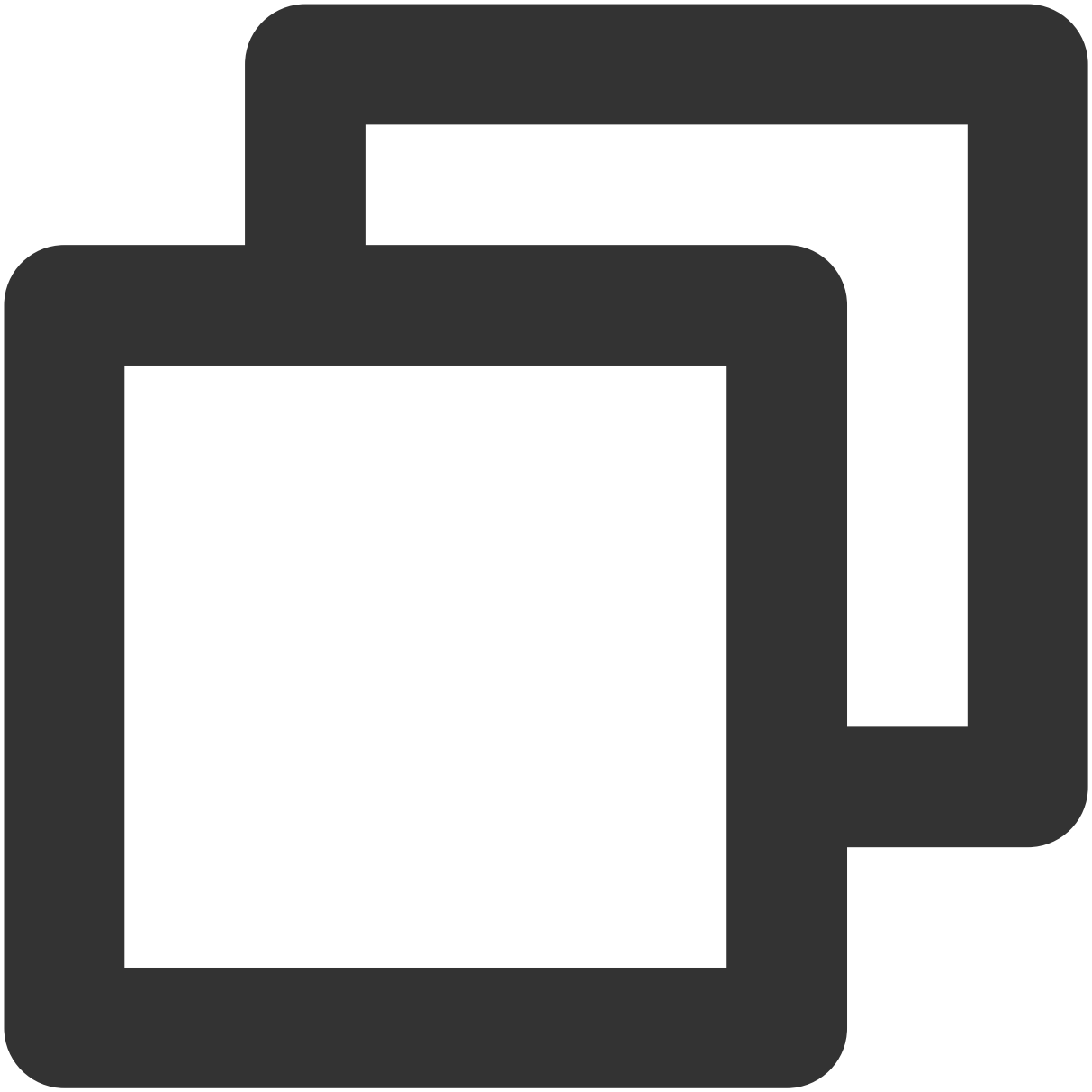

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MemberList": [
    {
        "Member_Account": "tommy",
        "Result": 0 // Addition result: 0 indicates success, and 10013 indicates i
    },
    {
        "Member_Account": "jared",
```

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```
            "Result": 10013
        }]
    }
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
MemberList	Array	Returned result of added group members
Member_Account	String	Returned group member UserID
Result	Integer	Addition result: 0: success 10013: Already a group member For other results, refer to the error codes.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error, Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to add members to the permission group

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10013	Already a permission group member
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
10019	The requested UserID does not exist. Check if all Member_Accounts in the MemberList are correct.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.
110012	The number of permission group members exceeds the limit.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Deleting Permission Group Members (Deleting Permission Group Members)

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Deleting Permission Group Members

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to delete members from permission groups.

API Calling Description

Applicable Group Types

Group Type ID	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned group types. For details, refer to Group System.

Sample Request URL

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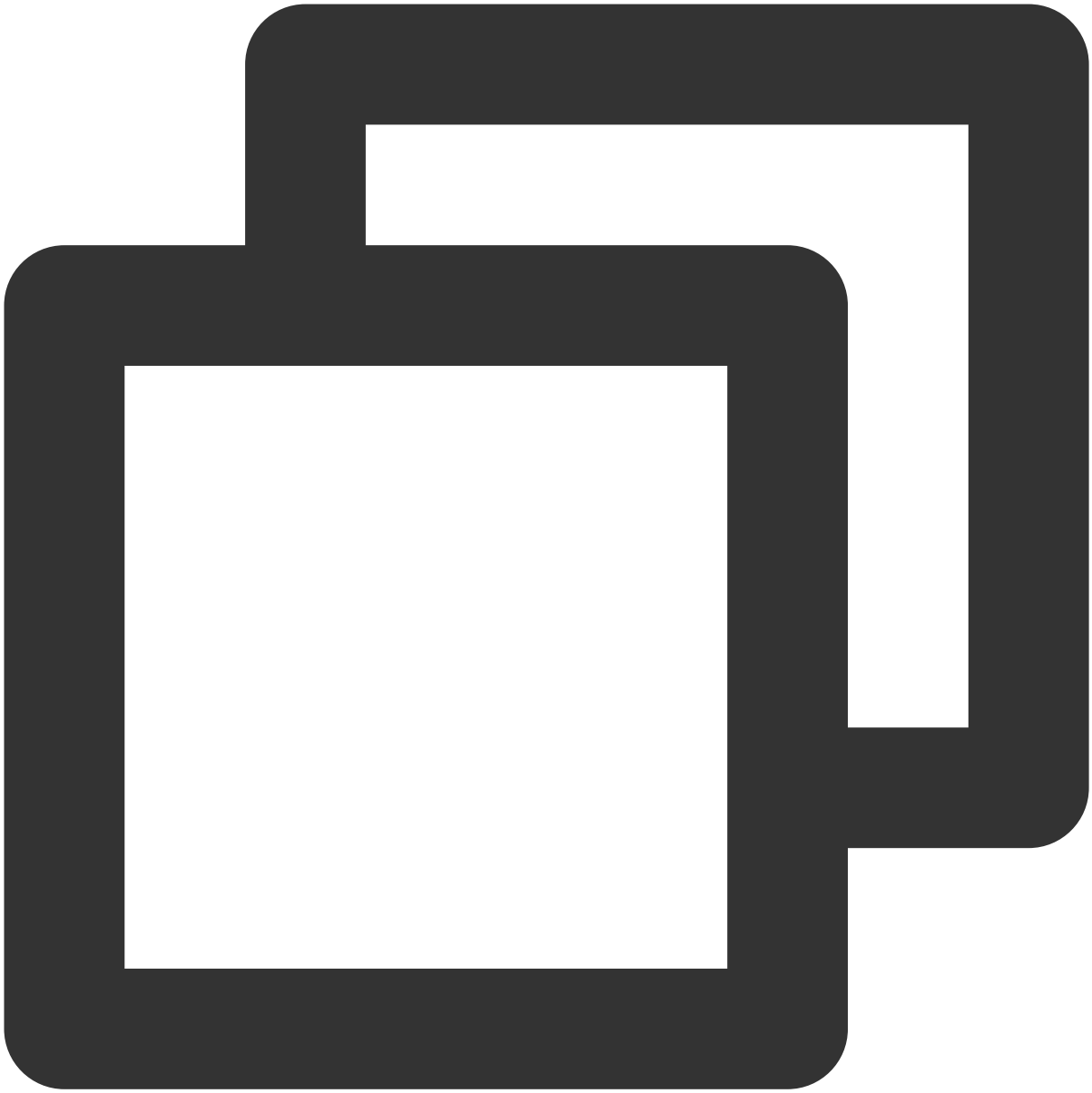

```
https://xxxxxx/v4/group_open_http_svc/delete_permission_group_member?sdkappid=88888
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is

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	located: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/delete_permission_group_member	Request API
sdkappid	SDKAppID assigned by the Chat console when an application is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

It is used to delete members from the permission group. A maximum of 100 members can be deleted per request. By default, a system notification for the deletion of group members is sent to all members in the group.

If the user to be deleted is not in the permission group, the API still returns success.

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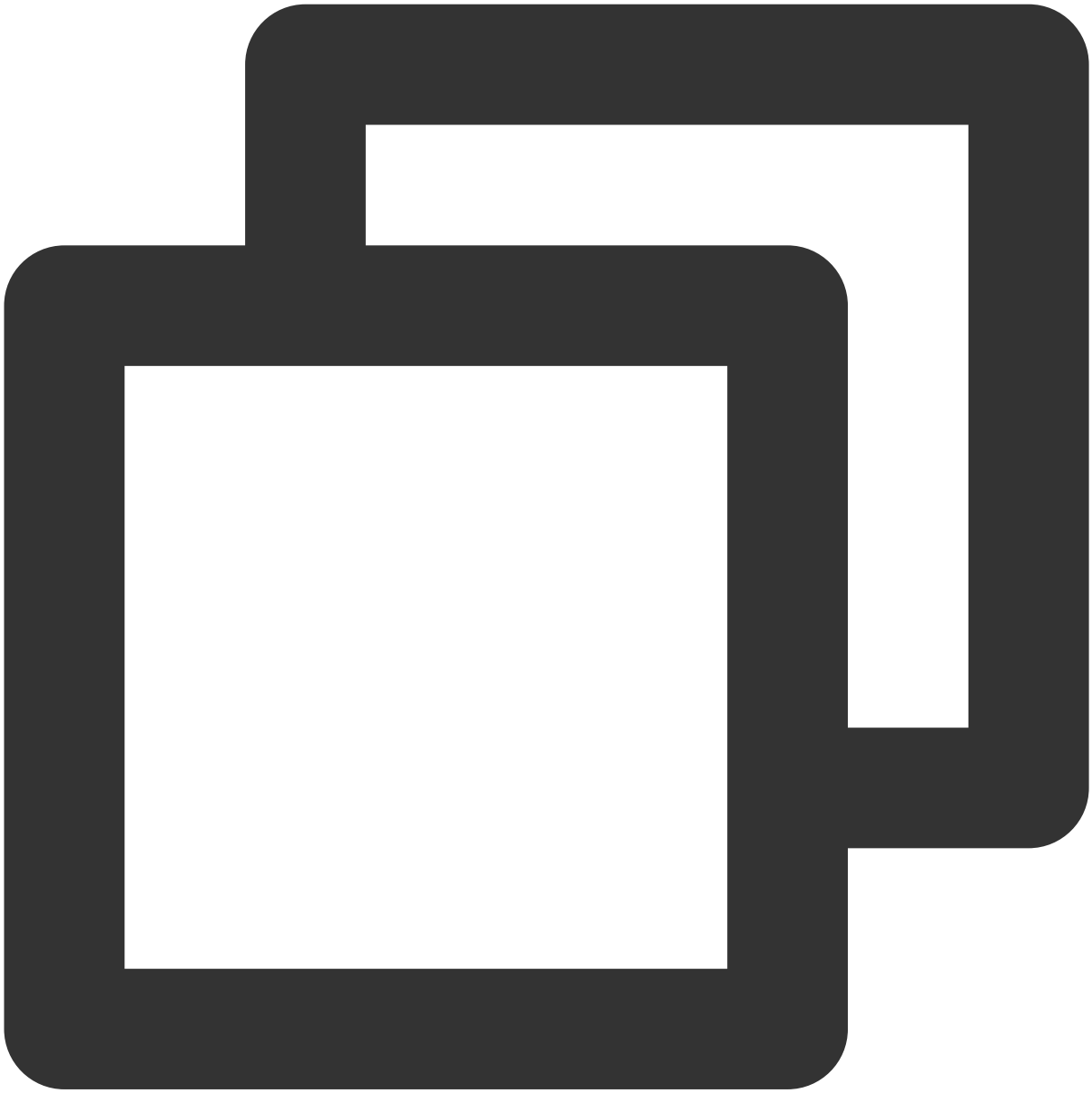

```
{
  "GroupId": "@TGS#_@TGS#cQVLVHIM62CJ", // Group to operate on (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group to operate on (required)
  "MemberList": [ // Up to 100 members can be deleted at once.
  {
      "Member_Account": "tommy" // ID of the permission group member to be deleted
  },
  {
      "Member_Account": "jared"
  }]
}
```

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Description of Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the group to operate on
PermissionGroupId	String	Required	ID of the permission group to operate on
MemberList	Array	Required	Array of permission group members to be deleted
Member_Account	String	Required	UserID of the permission group member to be deleted

Sample Response Packet

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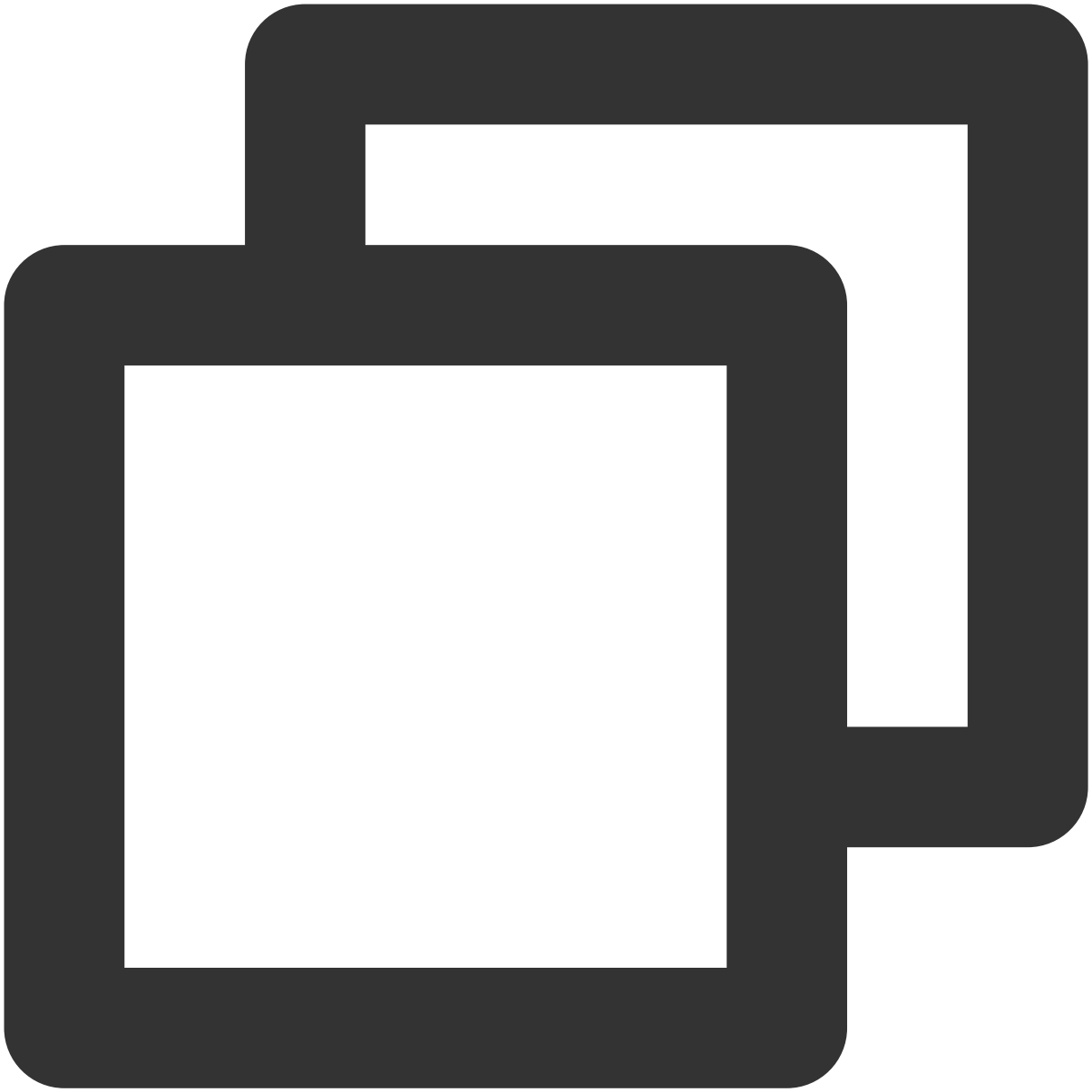


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "MemberList": [
    {
        "Member_Account": "tommy",
        "Result": 0 // Deletion result: 0 indicates success. For other results, re
    },
    {
        "Member_Account": "jared",
```


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```
            "Result": 10013
        }]
    }
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing OK: Indicates successful processing. FAIL: Indicates failure.
ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
MemberList	Array	Returned result of deleted group members
Member_Account	String	Returned group member UserID
Result	Integer	Addition result: 0: success For other results, refer to the error codes.

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions, such as lacking the permission to delete permission group members

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10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
10016	The developer backend has denied this operation through third-party callback.
10019	The requested UserID does not exist. Check if all Member_Accounts in the MemberList are correct.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

API Debugging Tool

Use the RESTful API Online Debugging Tool to debug this API.

References

Adding Members to a Permission Group (Adding Members to a Permission Group)

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Obtaining Permission Group Member List

Last updated：2024-07-16 11:20:06

Feature Overview

App admins can call this API to obtain group member information based on the group ID.

API Calling Description

Applicable Group Types

Group Type ID	Whether This RESTful API Is Supported
Private	Not supported, same as Work (Work Friend Group) in the new version
Public	Not supported
ChatRoom	Not supported, same as Meeting (Temporary Meeting Group) in the new version
AVChatRoom	Not supported
Community	Supported

Chat provides the aforementioned group types. For details, refer to Group System.

Sample Request URL

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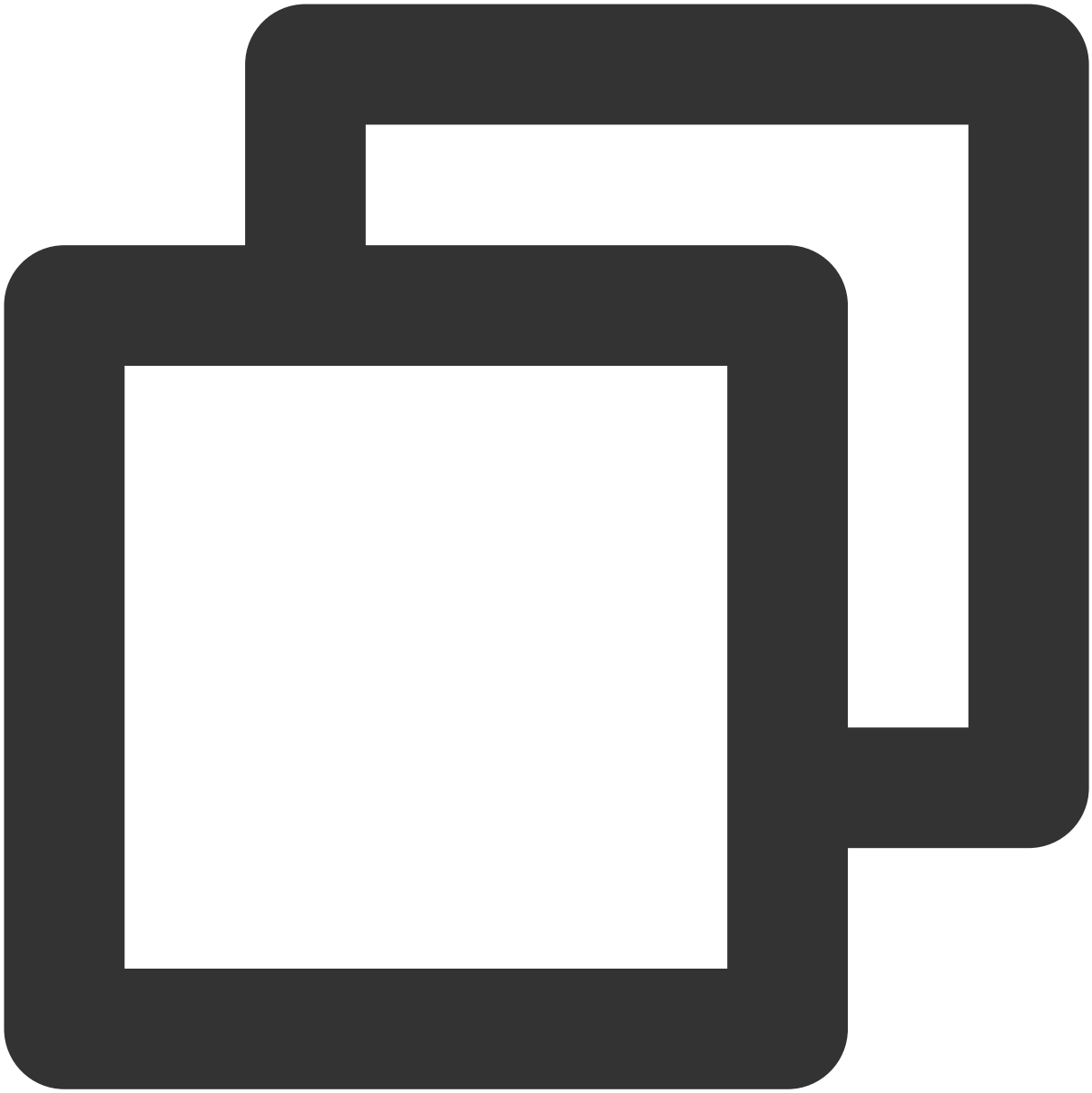

```
https://xxxxxx/v4/group_open_http_svc/get_permission_group_member_list?sdkappid=888
```

Request Parameters

The table below only lists the parameters modified when calling this API and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name for the country/region where your SDKAppID is

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	located: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/get_permission_group_member_list	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	You must be an app admin account. For details, refer to App Admins.
usersig	The signature generated by the app admin account. For details, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format fixed value: `json`

Maximum Calling Frequency

200 queries/sec.

Sample Request Packet

Basic Form

It is used to obtain detailed information of permission group members (including group member information and group member dimensions from the Definition field). The request only contains the group ID and permission group ID.

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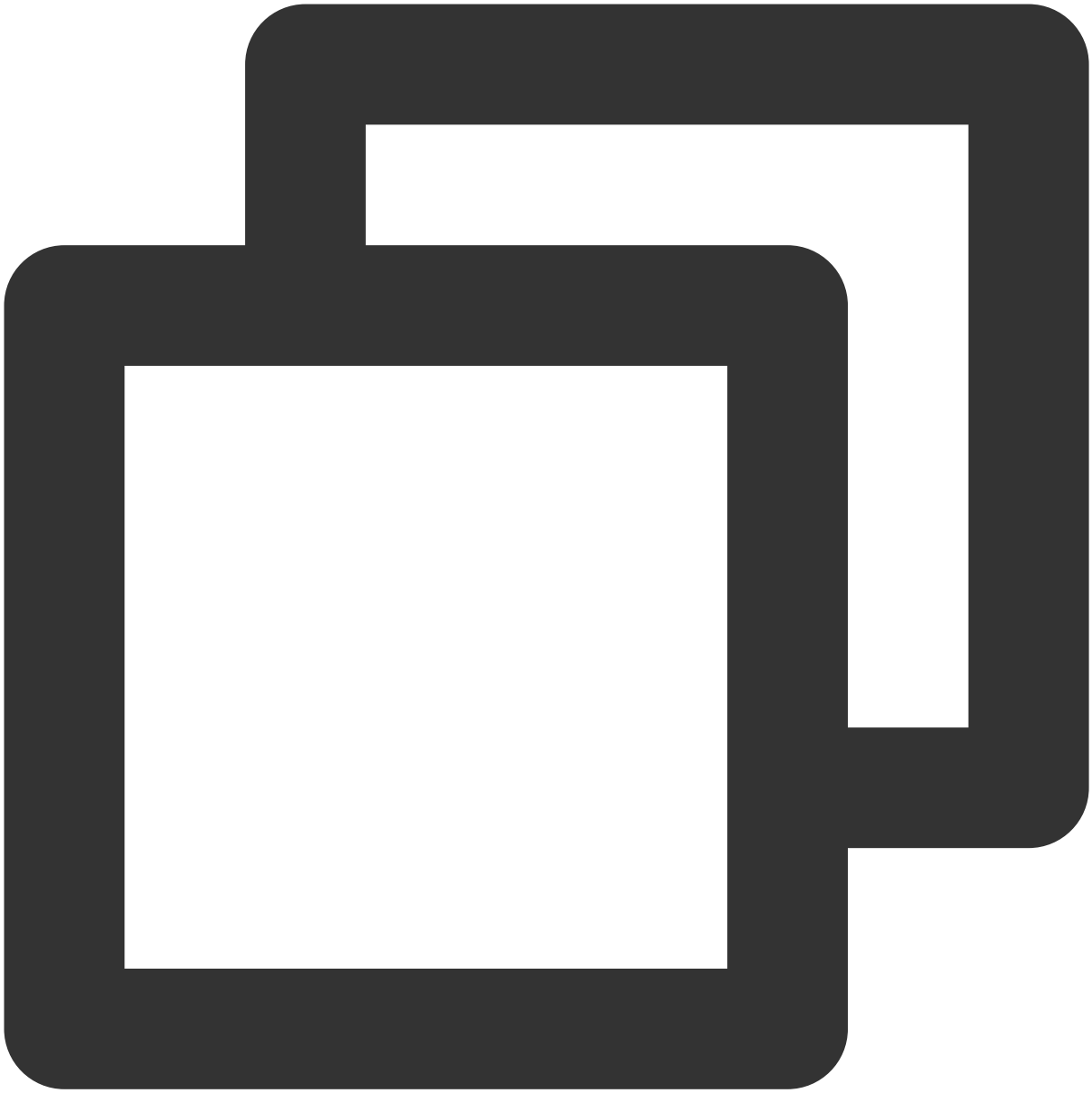

```
{
  "GroupId": "@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group ID (required)
}
```

Batch Acquisition

Use Limit and Next values to control pagination retrieval:

Limit restricts the number of members in the MemberList array in the response packet, which cannot exceed 50.

Next controls the retrieval of subsequent information from a certain member's position. In the first request, the client's request parameter for Next shall be ""; when the server's return for Next is "" after the last request, it indicates the end

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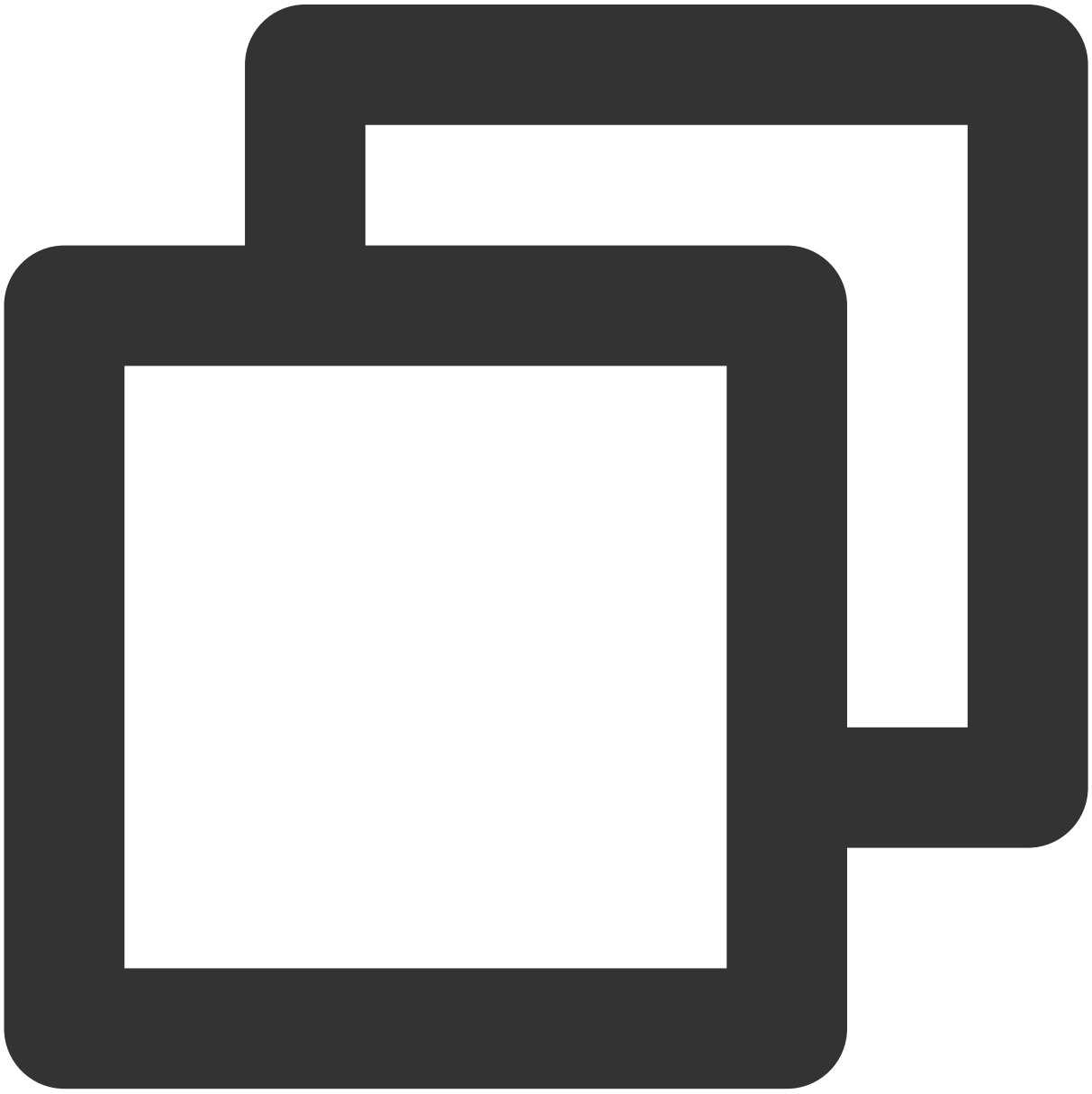
of retrieval.

For requests in between, the client's Next shall use the Next returned by the server from the previous request. It is similar to the scan cursor query of Redis.

For example: Suppose you need to batch pull, the request parameters for the first time shall be: `{"Limit": 20, "Next": ""}` , and the server returns the following content.



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
```

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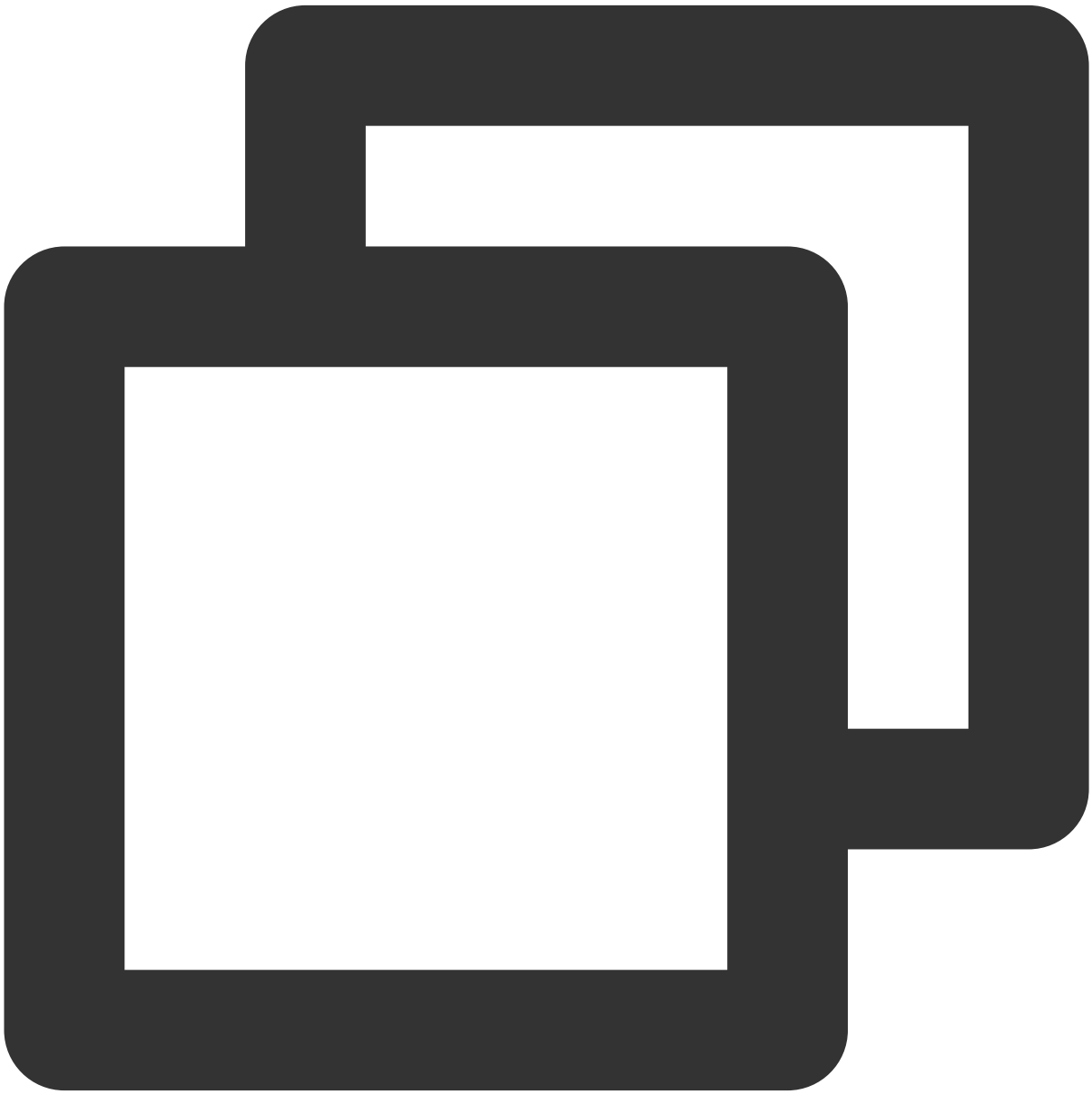
```
    "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1",
    "MemberList": [
            ....
```

The request parameters for the second time shall be `{"Limit": 20, "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1"}`.

And so on, until the server's response packet returns Next as "", indicating there is no subsequent member information, and the client shall end the query.



```
{
    "GroupId":"@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
```

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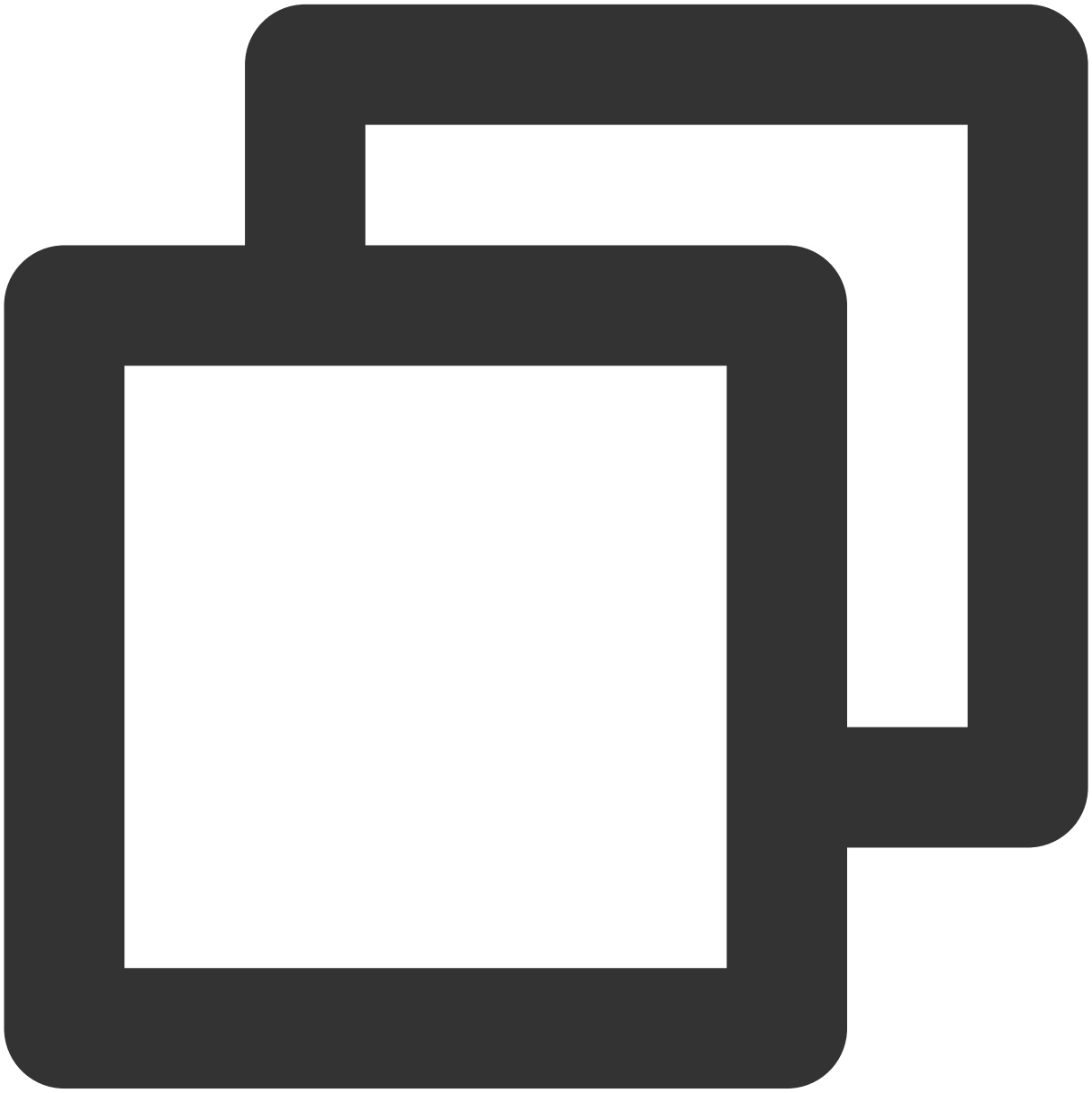
```
    "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group ID (required)
    "Limit": 50, // The maximum number of members whose information to be obtained
    "Next": "" // Start pulling from the end of the last pull
}
```

Specifying the Information to Be Pulled

Select the fields to be pulled through the MemberInfoFilter filter. Fields not specified in the filter will not be pulled.



```
{
  "GroupId":"@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group ID (required)
```

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```
    "MemberInfoFilter": [ // Which information is needed (Member_Account is included
        "Role",
        "JoinTime",
        "MsgSeq",
        "MsgFlag",
        "LastSendMsgTime",
        "JoinPermissionGroupTime",
        "MuteUntil",
        "NameCard"
    ]
}
```

Pulling Custom Field for Group Members

Select the custom field for group member to be pulled through the AppDefinedDataFilter_GroupMember filter. Fields not specified in the filter will not be pulled.

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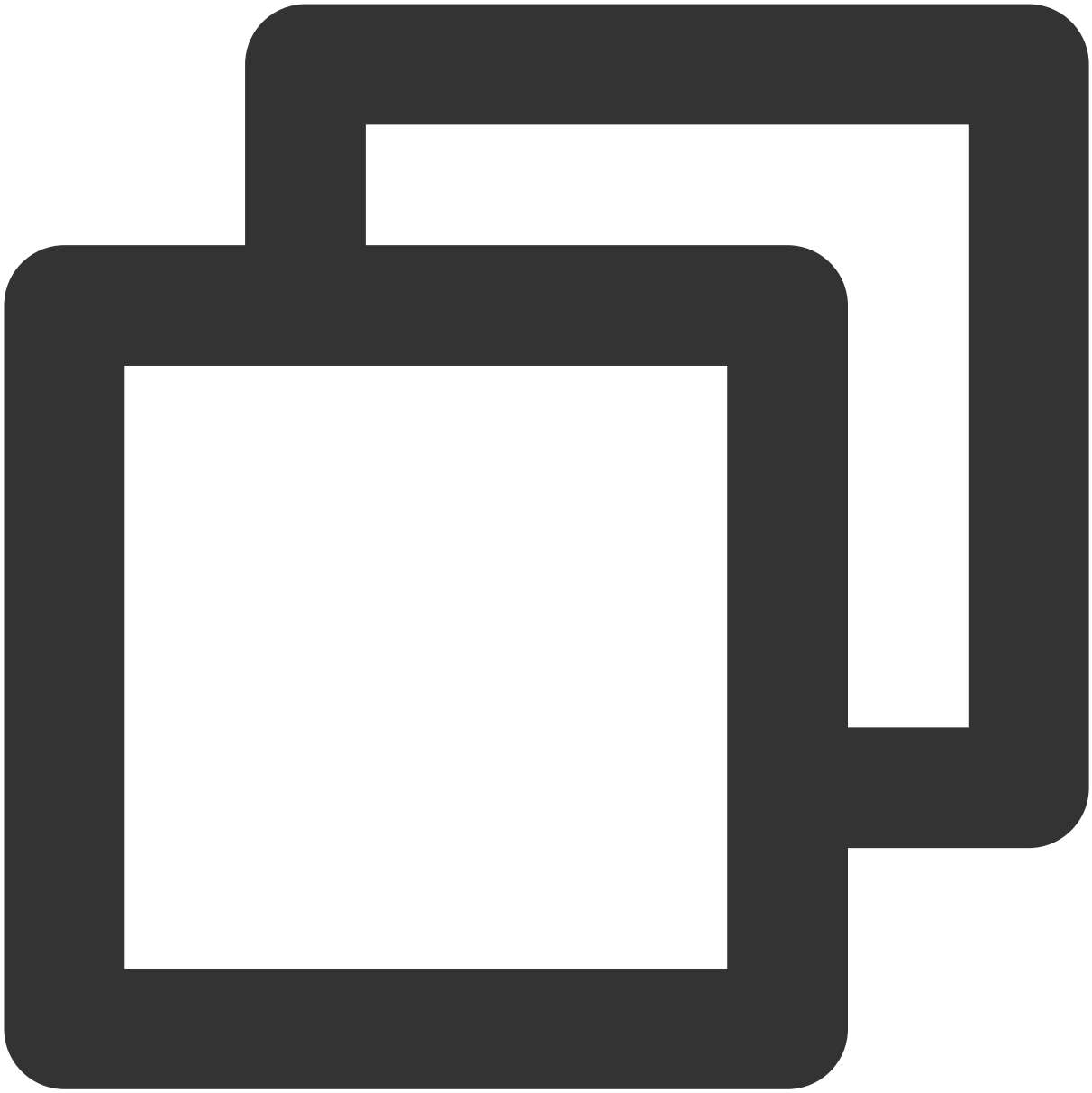

```
{
  "GroupId":"@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group ID (required)
  "AppDefinedDataFilter_GroupMember": [ // Filter for custom field of group members
      "MemberDefined2" // Key of the custom field for group members
  ]
}
```

ALL IN ONE

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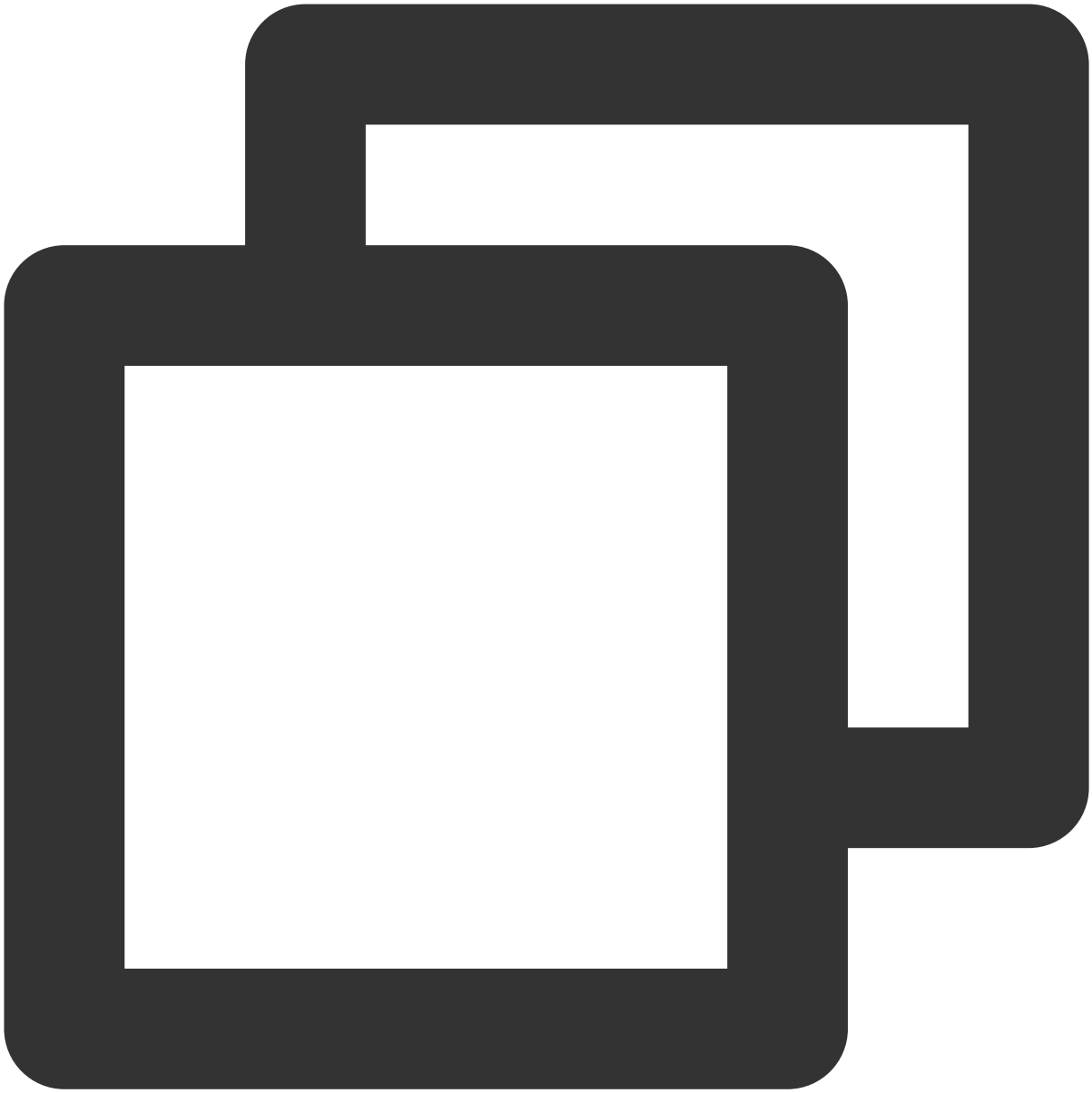

```
{
  "GroupId":"@TGS#_@TGS#cAVQXXXXXX", // Group ID (required)
  "PermissionGroupId":"@PMG#_@PMG#cDR",// Permission group ID (required)
  "MemberInfoFilter": [ // Which information is needed. If this field is not specif
      "Role",
      "JoinTime",
      "JoinPermissionGroupTime",
      "MsgSeq",
      "MsgFlag",
      "LastSendMsgTime",
      "MuteUntil",
```

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```
        "NameCard"
    ],
    "AppDefinedDataFilter_GroupMember": [ // Filter for custom field of group members
        "MemberDefined2", // Key of the custom field for group members
        "MemberDefined1"
    ],
    "Limit": 50, // The maximum number of members whose information to be obtained
    "Offset": 0 // The starting point to obtain member information
}
```

Description of Request Packet Fields

Field	Type	Attribute	Description
GroupId	String	Required	ID of the group from which member information needs to be obtained
PermissionGroupId	String	Required	ID of the permission group to operate on
MemberInfoFilter	Array	Optional	Which information is needed. If this field is not specified, then information of all members is included. For details on member information fields, refer to Group Member Information.
AppDefinedDataFilter_GroupMember	Array	Optional	By default, this is not available. This field is used as a filter for custom fields in the group member dimension, specifying the custom fields of the group member dimension that need to be obtained For details, refer to Custom Fields.
Next	String	Optional	The member location obtained last time. It is required for communities, as communities do not support the Offset parameter. Use the Next parameter instead. Fill in "" for the first call, and use the Next value returned for subsequent retrievals.

Sample response packets

Basic Form and Pagination Retrieval

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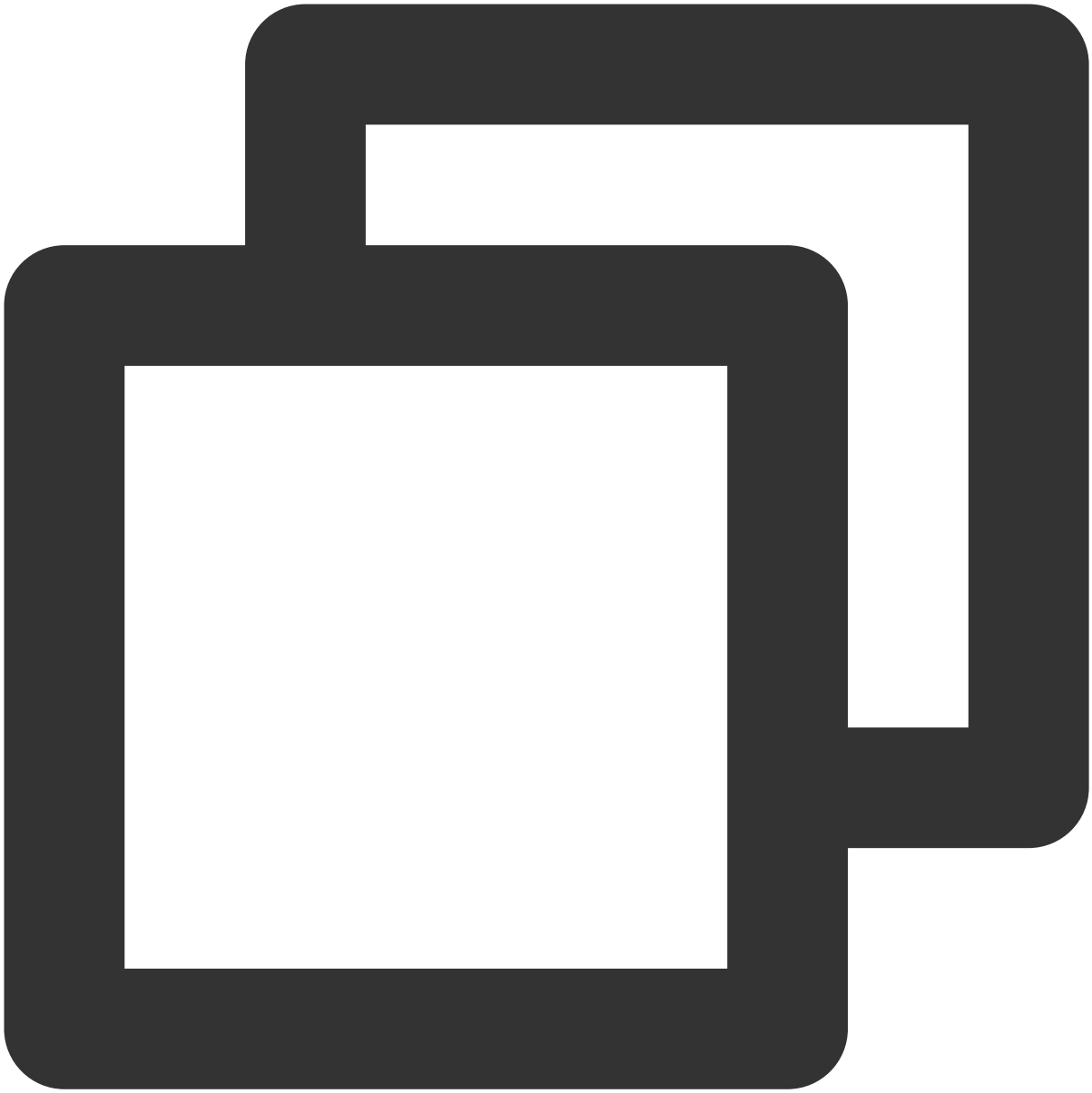

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1",
  "MemberNum": 2, // Total number of members in this permission group
  "MemberList": [ // Permission group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Join time
```

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```
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last message sent time
            "MuteUntil": 1431069882, // Mute until (seconds)
            "AppMemberDefinedData": [ // Group member's custom definition field
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member ",
            "JoinTime": 1425976500, // Join time
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // 0 indicates not muted; otherwise, it's the mute expiry
            "AppMemberDefinedData": [ // Group member's custom definition field
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

Pulling Specified Fields

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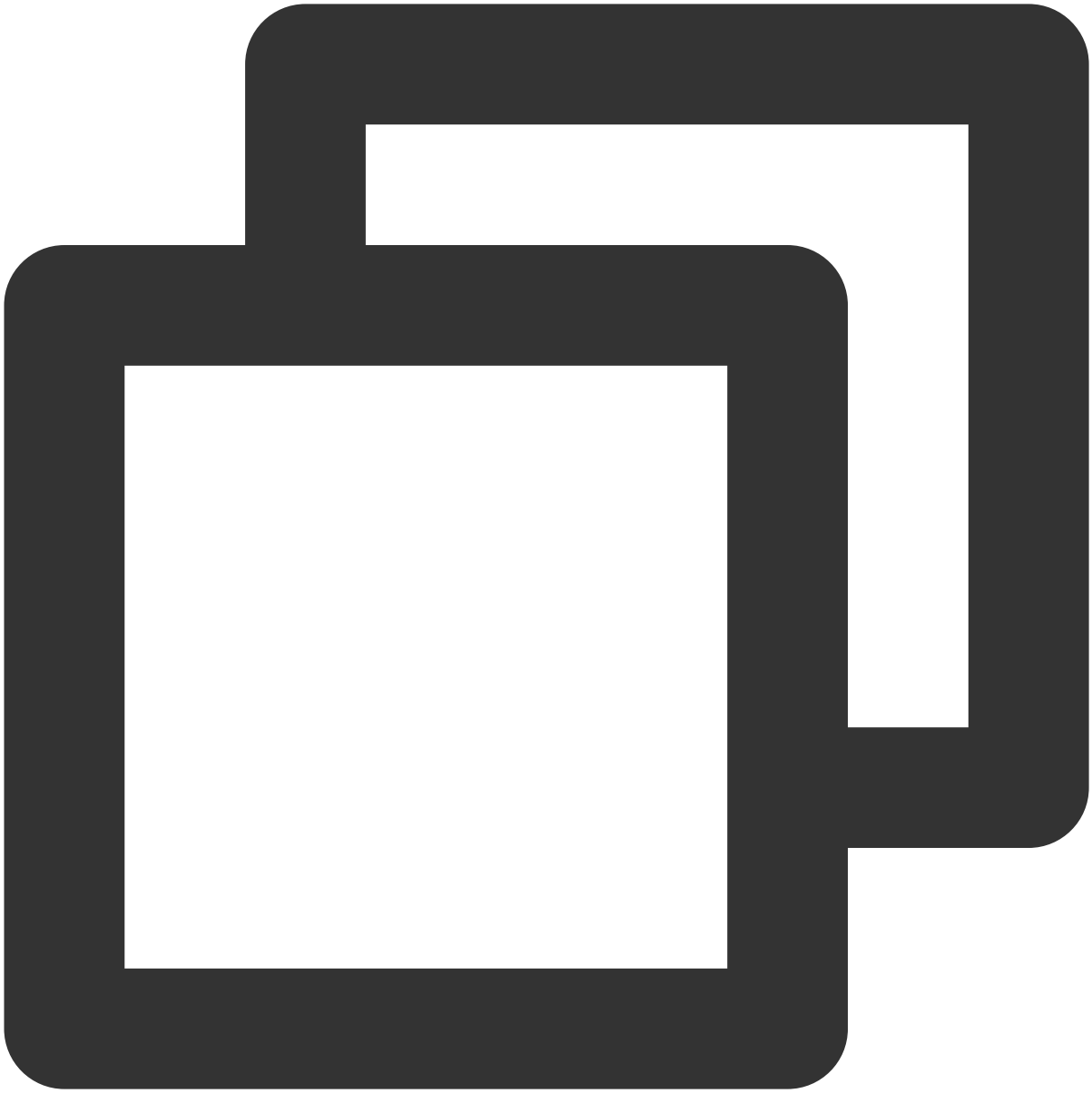

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1",
  "MemberNum": 2, // Total number of members in this permission group
  "MemberList": [ // Permission group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Join time
```

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```
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last message sent time
            "MuteUntil": 1431069882, // Mute until (seconds)
        },
        {
            "Member_Account": "peter",
            "Role": "Member ",
            "JoinTime": 1425976500, // Join time
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // 0 indicates not muted; otherwise, it's the mute expiry
        }
    ]
}
```

Pulling Custom Field for Group Members

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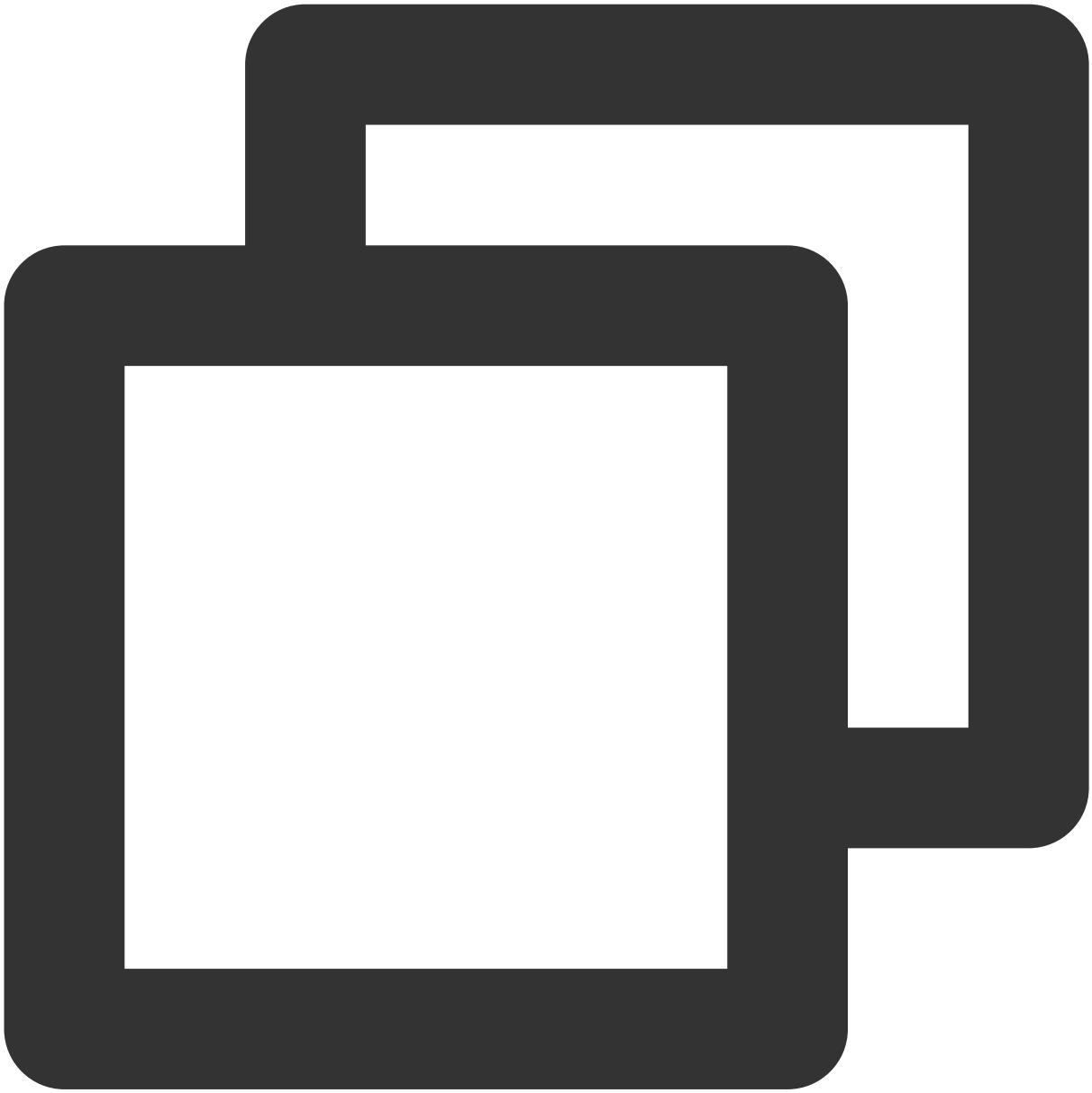

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1",
  "MemberNum": 2, // Total number of members in this permission group
  "MemberList": [ // Permission group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Join time
```

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```
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last message sent time
            "MuteUntil": 1431069882, // Mute until (seconds)
             "AppMemberDefinedData": [ // Custom fields for group members
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member",
            "JoinTime": 1425976500, // Join time
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // 0 indicates not muted; otherwise, it's the mute expiry
            "AppMemberDefinedData": [ // Group member's custom definition field
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

ALL IN ONE

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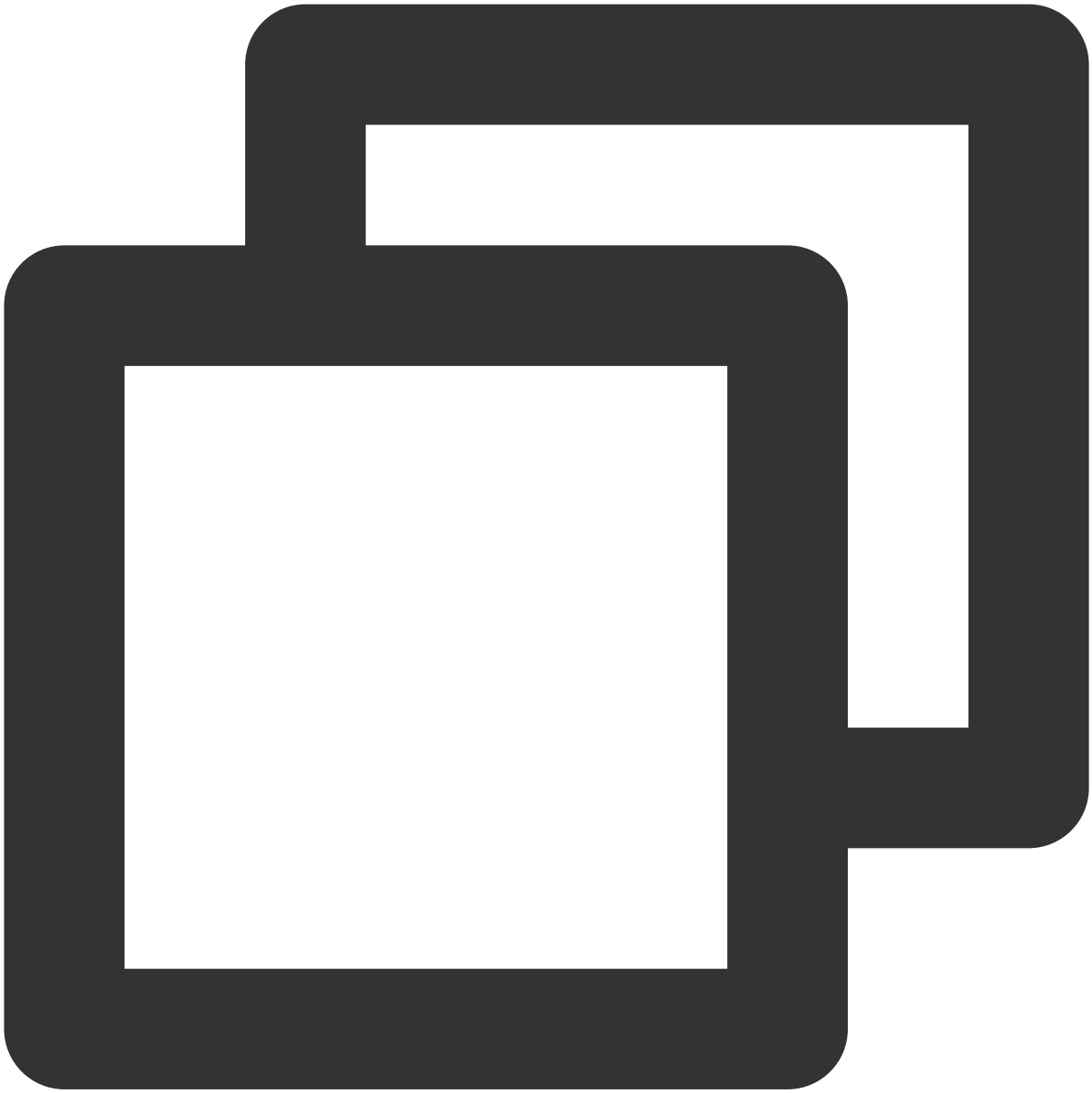

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0,
  "Next": "TGSMTQ0MTE1MjM1MTUyNDI0MzY1",
  "MemberNum": 2, // Total number of members in this permission group
  "MemberList": [ // Permission group member list
      {
          "Member_Account": "bob",
          "Role": "Owner",
          "JoinTime": 1425976500, // Join time
```

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```
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500, // Last message sent time
            "MuteUntil": 1431069882, // Mute until (seconds)
            "AppMemberDefinedData":[ // Custom fields for group members
                {
                   "Key":"MemberDefined1",
                   "Value":"ModifyDefined1"
                },
                {
                    "Key":"MemberDefined2",
                    "Value":"ModifyDefined2"
                }
             ]
        },
        {
            "Member_Account": "peter",
            "Role": "Member",
            "JoinTime": 1425976500, // Join time
            "JoinPermissionGroupTime": 1704804868, // Time joined the permission grou
            "MsgSeq": 1233,
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 1425976500,
            "MuteUntil": 0, // 0 indicates not muted; otherwise, it's the mute expiry
            "AppMemberDefinedData": [ // Group member's custom definition field
                {
                   "Key": "MemberDefined1",
                   "Value": "ModifyDefined1"
                },
                {
                    "Key": "MemberDefined2",
                    "Value": "ModifyDefined2"
                }
             ]
        }
    ]
}
```

Description of Response Packet Fields

Field	Type	Description
ActionStatus	String	Result of the request processing: OK: Indicates successful processing. FAIL: Indicates failure.

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ErrorCode	Integer	Error code 0: Indicates success. Non-zero: Indicates failure.
ErrorInfo	String	Error message
MemberNum	Integer	Total number of members in this permission group
MemberList	Array	Obtained permission group members list, which includes all or specified group member information. For details on member information fields, refer to Group Member Information.
AppMemberDefinedData	Array	Returned group member custom field information
Next	String	Next value that shall be passed in the next request

Error Codes

Unless a network error (such as a 502 error) occurs, the HTTP return code for this API is always 200. The real error code and error message are indicated by ErrorCode and ErrorInfo in the response packet body.

Common error codes (60000 to 79999) can be found in the Error Codes document.

The private error codes for this API are as follows:

Error Code	Description
10002	Internal server error. Try again.
10003	Illegal request command word
10004	Invalid parameter. Check if the request is correct based on the error description.
10007	Insufficient operation permissions. Confirm whether the operator is an app admin or has permission to read the fields in the request.
10010	The group does not exist, or it existed in the past but has now been dissolved.
10015	Invalid group ID. Check if the group ID is filled in correctly.
110006	The permission group does not exist, or it existed in the past but has now been dissolved.
110008	Invalid permission group ID. Check if the permission group ID is filled in correctly.

API Debugging Tool

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Use the RESTful API Online Debugging Tool to debug this API.

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Group Counter
Getting Group Counters

Last updated：2024-07-16 11:20:06

Feature Overview

The app admin can use this API to get group counters.

To use this feature, you need to purchase the Premium edition.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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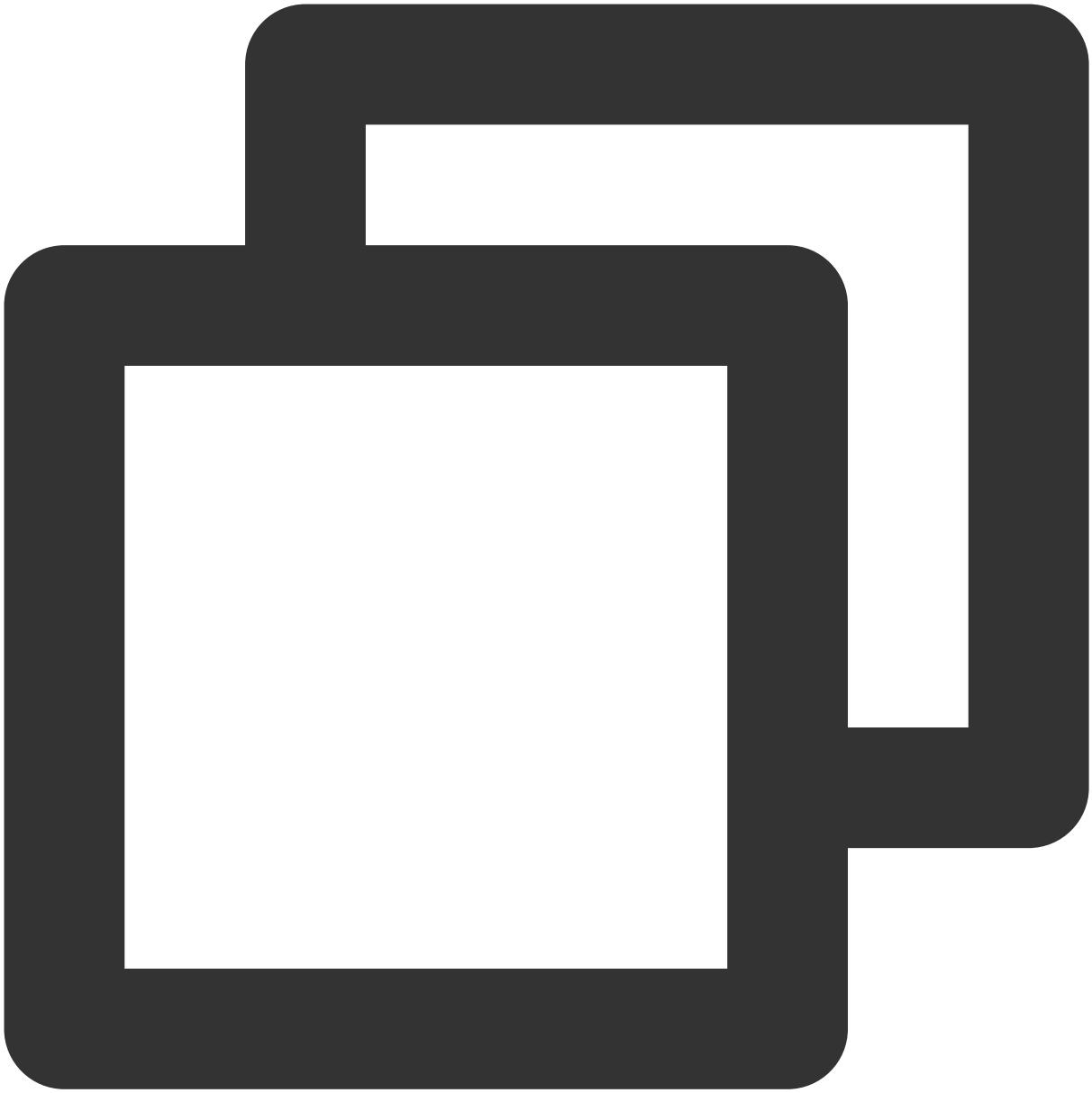

```
https://xxxxxx/v4/group_open_http_svc/get_group_counter?sdkappid=88888888&identifie
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Get group counters:

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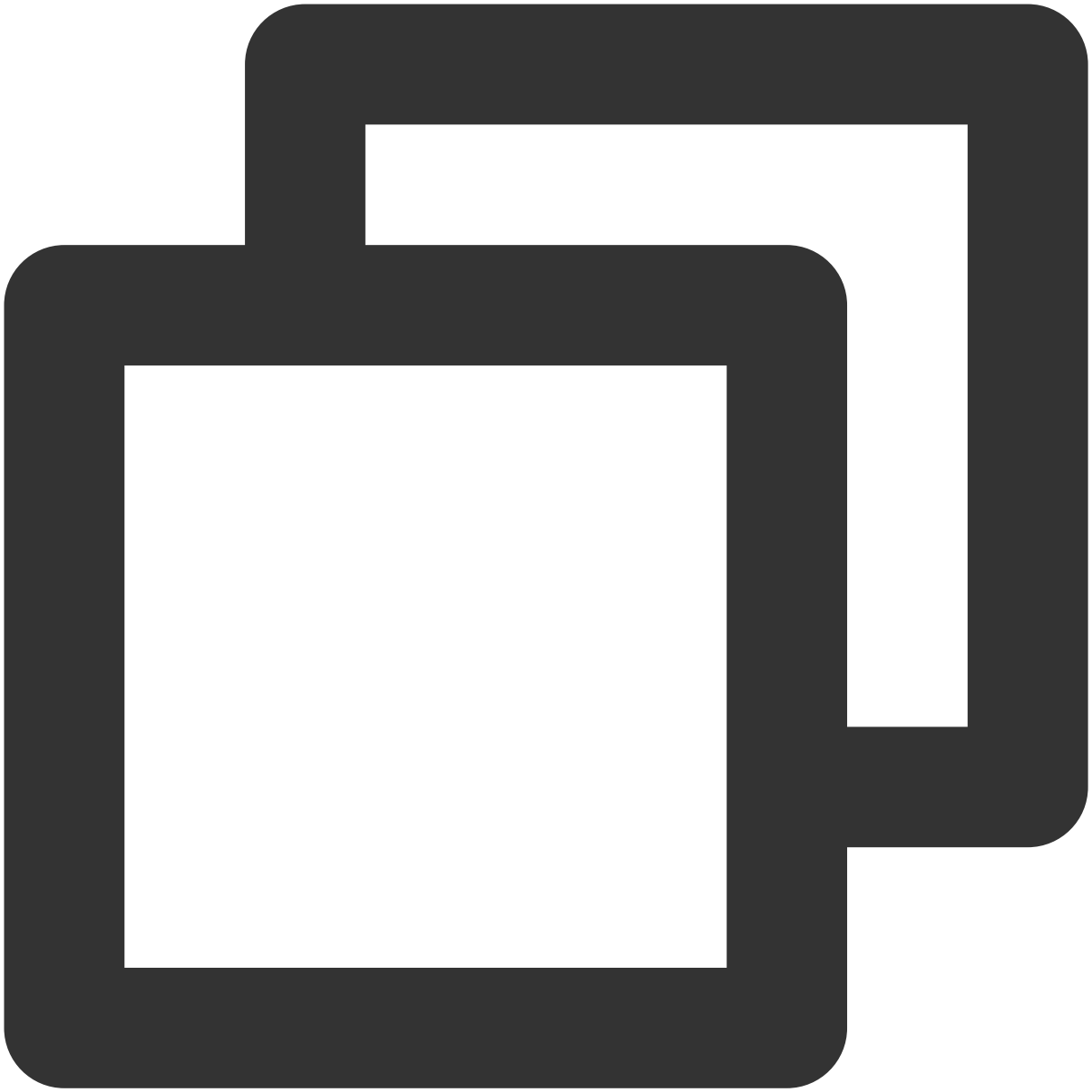

```
{
    "GroupId": "@TGS#aC5SZEAEF",
    "GroupCounterKeys":[    // List of group counter keys to get. If no value is pa
        "like",
        "unlike"
    ]
}
```

Request fields

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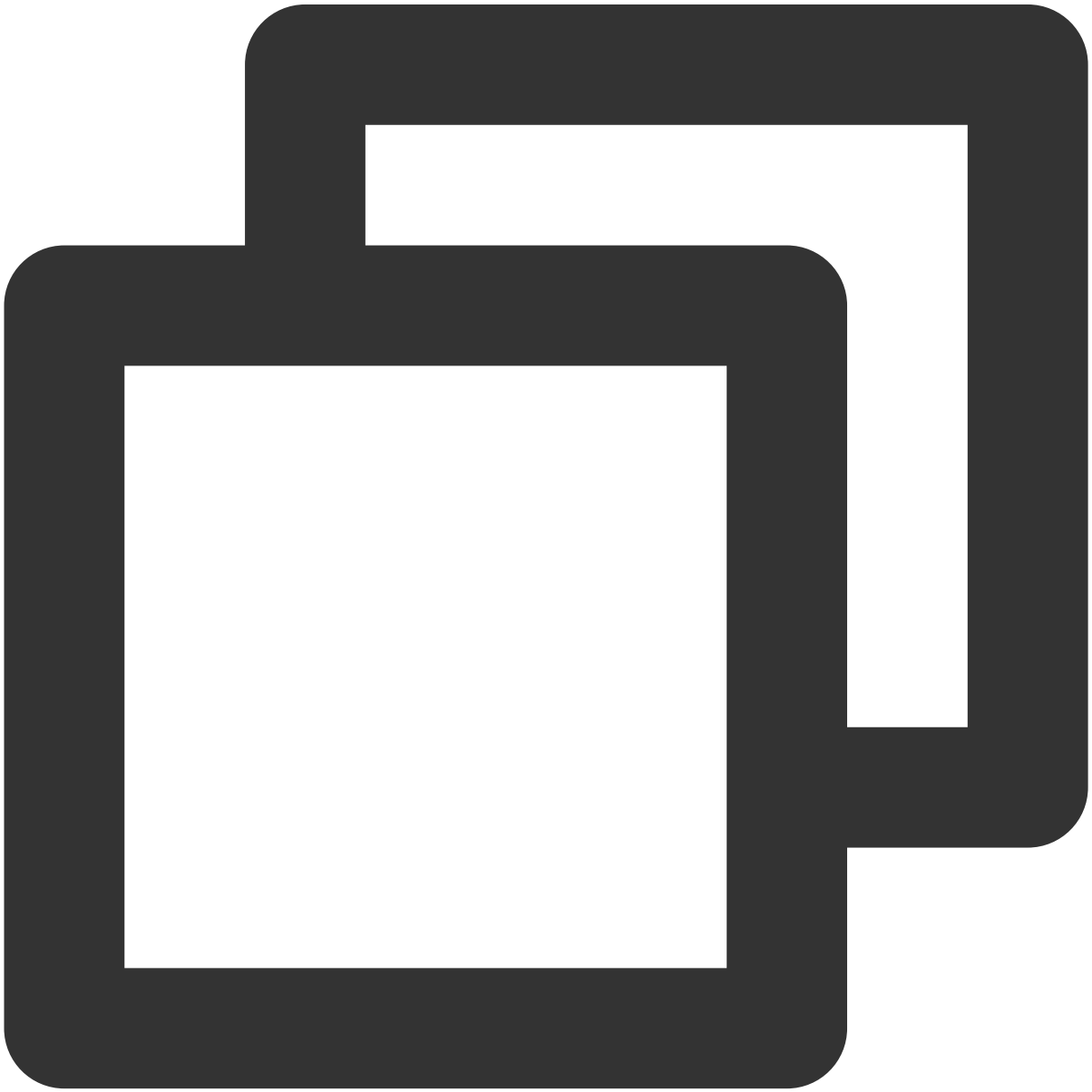
Field	Type	Required	Description
GroupId	String	Yes	Group ID
GroupCounterKeys	Array	No	List of group counter keys to get. If no value is passed in, all group counter keys will be returned.

Sample response



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupCounter":[
        {
            "Key":"like", // Group counter key
            "Value":5 // Latest group counter value
        },
        {
            "Key":"unlike",
            "Value":1
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupCounter	Array	List of the latest group counter key-value pairs to get

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	Insufficient operation permission. For example, the current user is not a group member.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.

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10059	To use this feature, you need to purchase the Premium edition.

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Updating Group Counters

Last updated：2024-07-16 11:20:06

Feature Overview

The app admin can use this API to update (set/increase/decrease) group counters.

To use this feature, you need to purchase the Premium edition.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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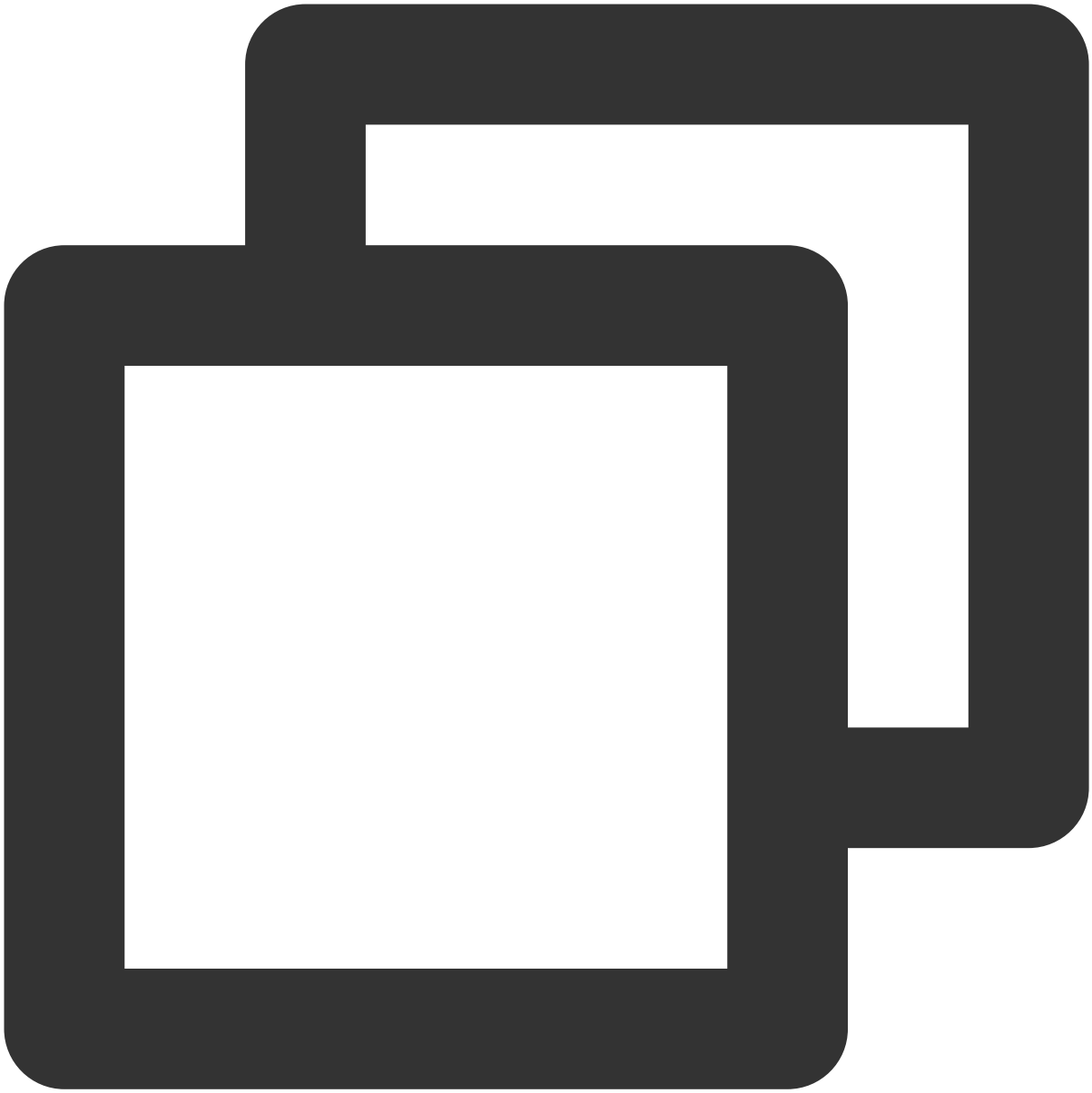

```
https://xxxxxx/v4/group_open_http_svc/update_group_counter?sdkappid=88888888&identi
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json`.

Maximum call frequency

200 calls per second

Sample request

Basic format

Update group counters:

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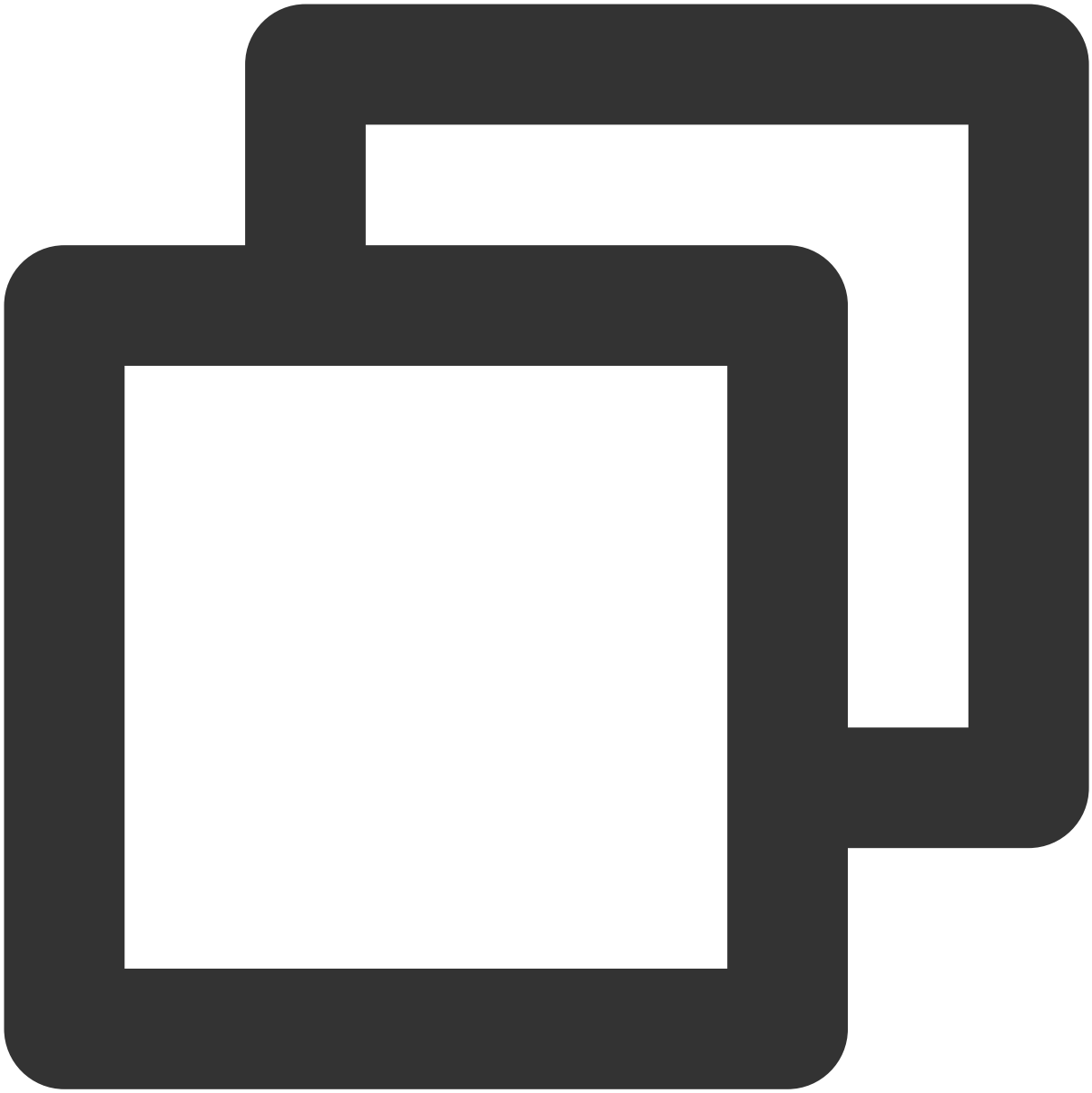

```
{
    "GroupId": "@TGS#aC5SZEAEF",
    "GroupCounter":[
        {
            "Key":"like", // Group counter key
            "Value":5 // Group counter value
        },
        {
            "Key":"unlike",
            "Value":1
        }
```

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```
    ],
    "Mode": "Set"  // `Set`, `Increase`, `Decrease`
}
```

Request fields

Field	Type	Required	Description
GroupId	String	Yes	Group ID
GroupCounter	Array	Yes	List of group counters. `Key` indicates the key of the group counter. The list can contain up to 20 keys, with each key containing no more than 128 bytes. `Value` indicates the value of the group counter, which is a 64-bit signed integer.
Mode	String	No	`Increase` and `Decrease` indicate increasing or decreasing the original value respectively. If the `Key` does not exist, create one with `Value` being 0 and then increase or decrease the value. `Set` indicates setting `Value` corresponding to the `Key`.

Sample response

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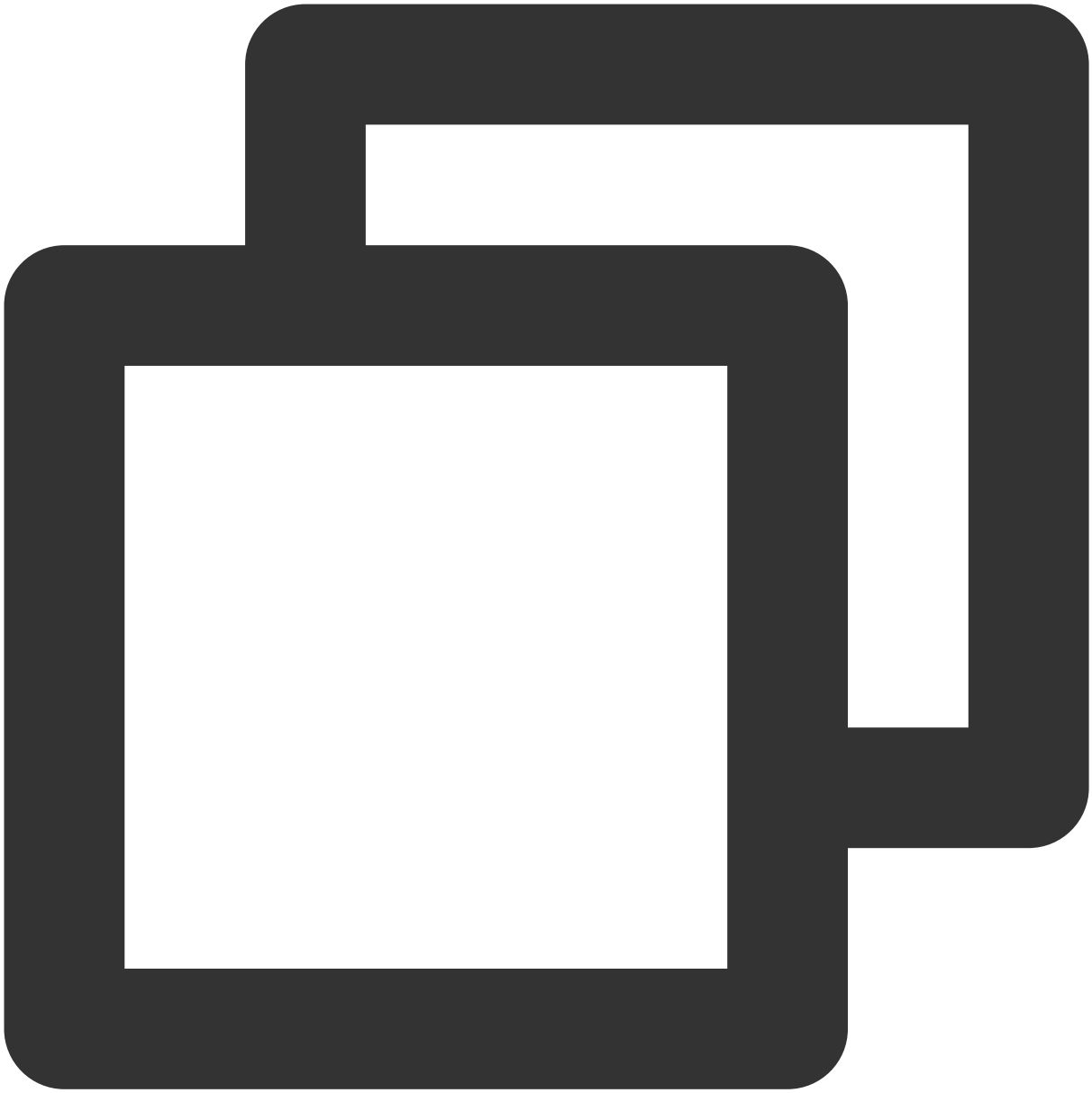

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "GroupCounter":[  // List of the latest group counter key-value pairs updated
        {
            "Key":"like", // Group counter key
            "Value":5 // Latest group counter value
        },
        {
            "Key":"unlike",
```

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```
            "Value":1
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
GroupCounter	Array	List of the latest group counter key-value pairs updated

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	Insufficient operation permission. For example, the current user is not a group member.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.
10059	To use this feature, you need to purchase the Premium edition.
10063	The number of keys in the group counter exceeds the limit of 20.

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Deleting Group Counters

Last updated：2024-07-16 11:20:06

Feature Overview

The app admin can use this API to delete group counters.

To use this feature, you need to purchase the Premium edition.

API Calling Description

Applicable group types

Group Type ID	RESTful API Support
Private	Yes. Same as work groups (Work) in the new version.
Public	Yes
ChatRoom	Yes. Same as the meeting group (Meeting) in the new version.
AVChatRoom	Yes
Community	No

These are the preset group types in Chat. For more information, see Group System.

Sample request URL

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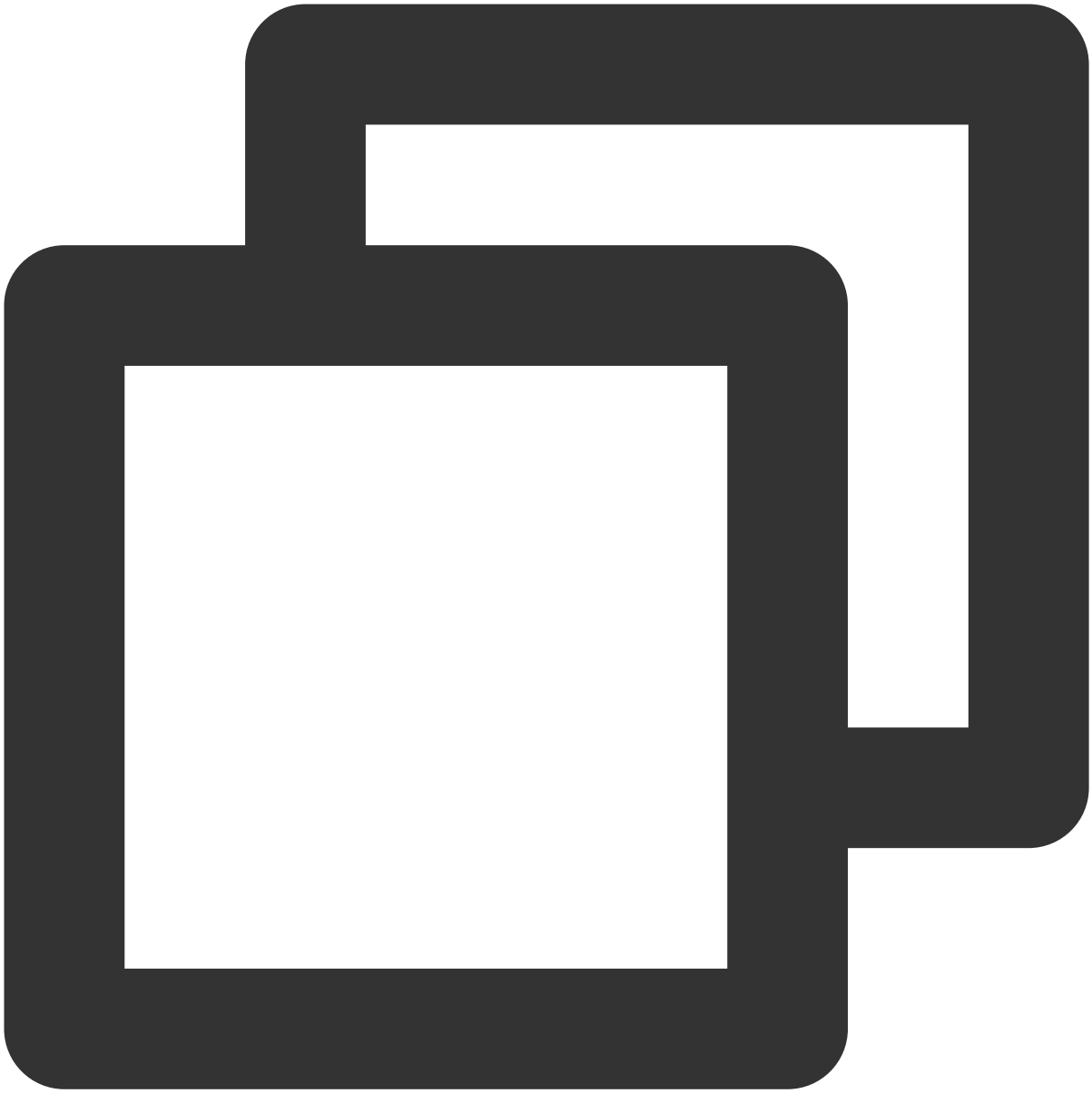

```
https://xxxxxx/v4/group_open_http_svc/delete_group_counter?sdkappid=88888888&identi
```

Request parameters

The following table describes only the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/group_open_http_svc/modify_group_attr	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

Deleting group counters:

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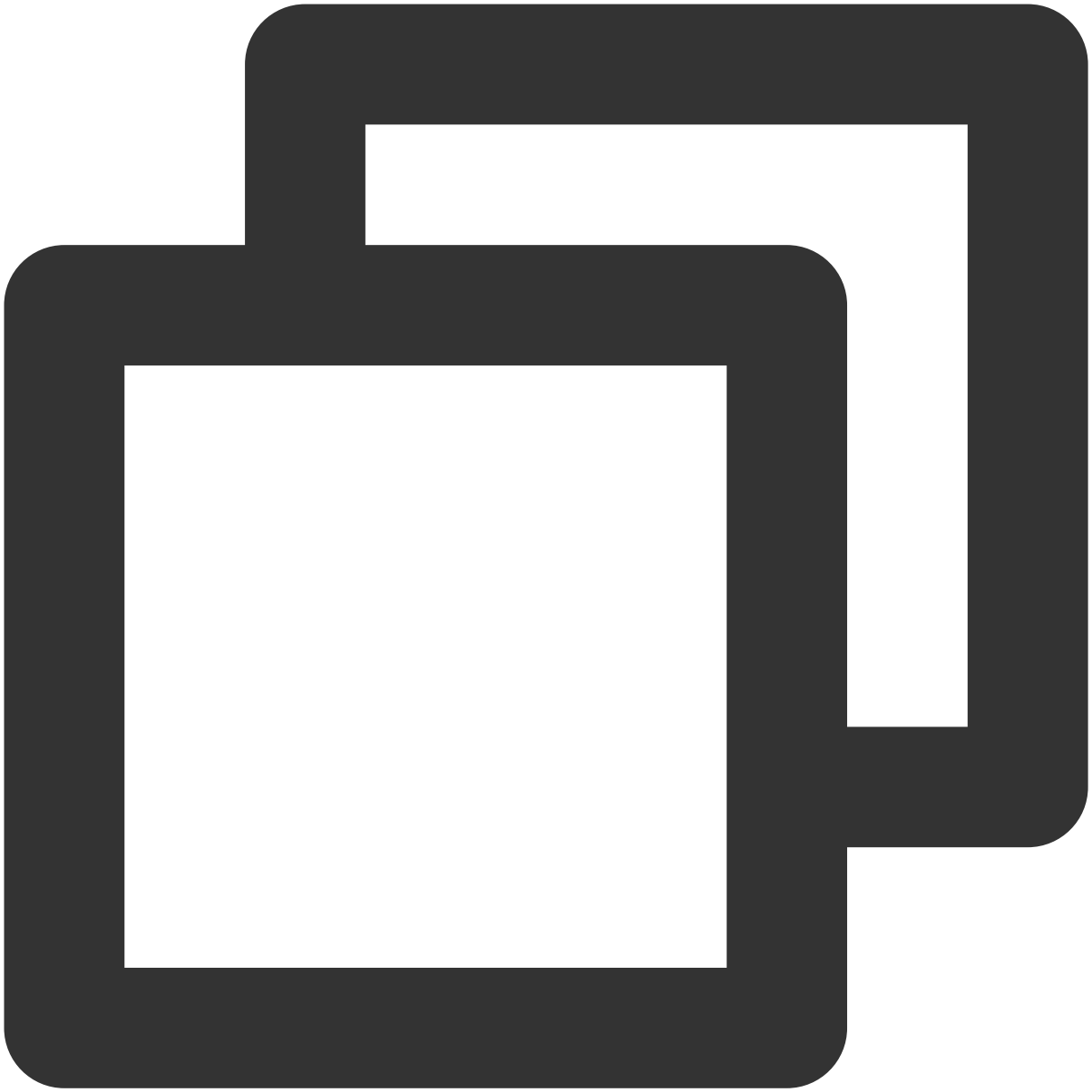

```
{
    "GroupId": "@TGS#aC5SZEAEF",
    "GroupCounterKeys":[    // List of group counter keys to delete. If no value is
        "like",
        "unlike"
    ]
}
```

Request fields

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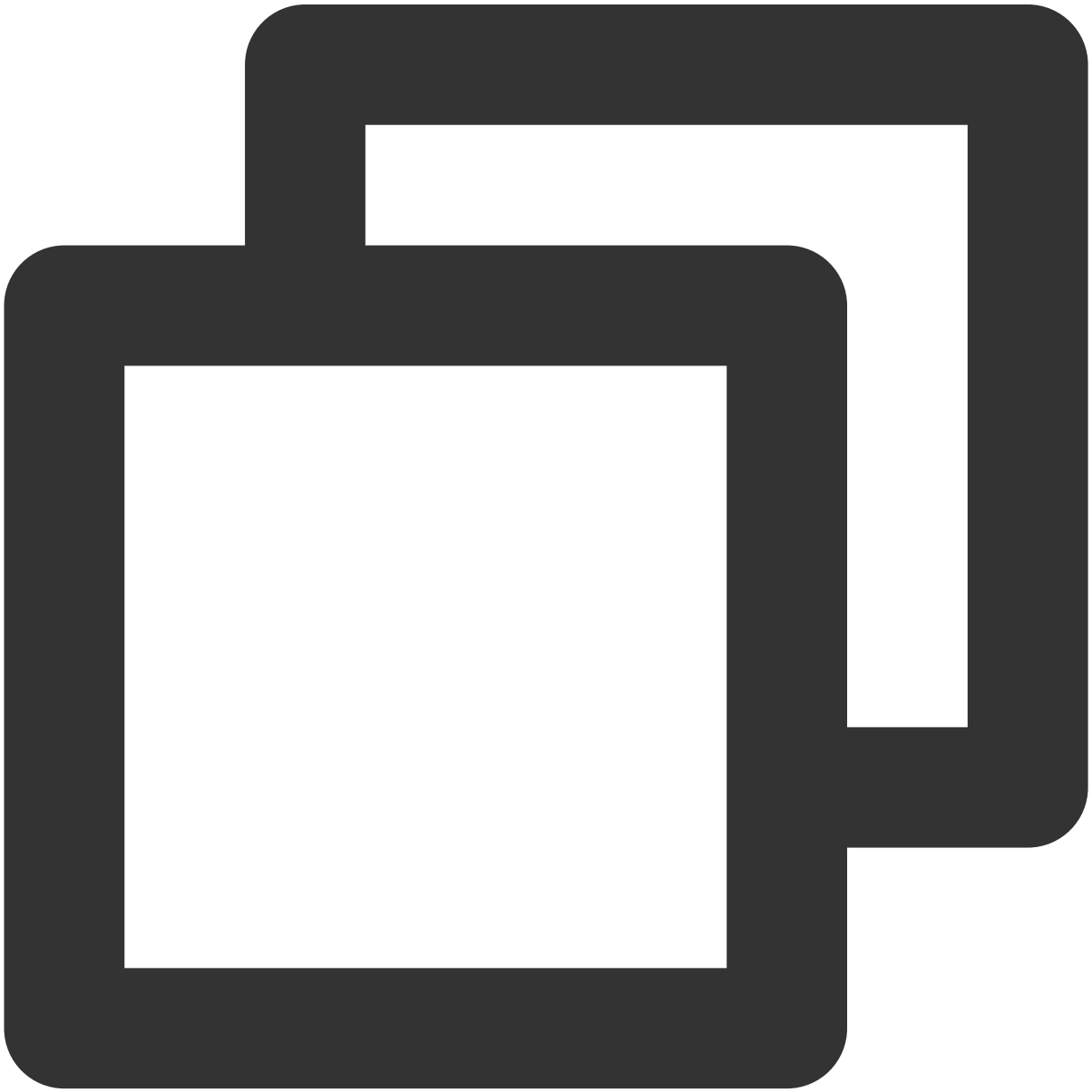
Field	Type	Required	Description
GroupId	String	Yes	Group ID
GroupCounterKeys	Array	No	List of group counter keys to delete. If no value is passed in, all group counter keys will be deleted.

Sample response



```
{
    "ActionStatus": "OK",
```

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```
    "ErrorInfo": "",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal server error. Try again.
10004	Invalid parameter. Check the error description and troubleshoot the issue.
10007	Insufficient operation permission. For example, the current user is not a group member.
10010	The group does not exist or has been deleted.
10015	Invalid group ID. Check whether the group ID is entered correctly and whether the group exists.
10059	To use this feature, you need to purchase the Premium edition.

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User Management
Account Management
Importing a Single Account

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to import an app-owned account to Chat and create an internal ID for the account to ensure that the account can use the Chat service.

Note:

If the same account is imported to Chat repeatedly, only one internal ID will be created for the account.

API Calling Description

Sample request URL

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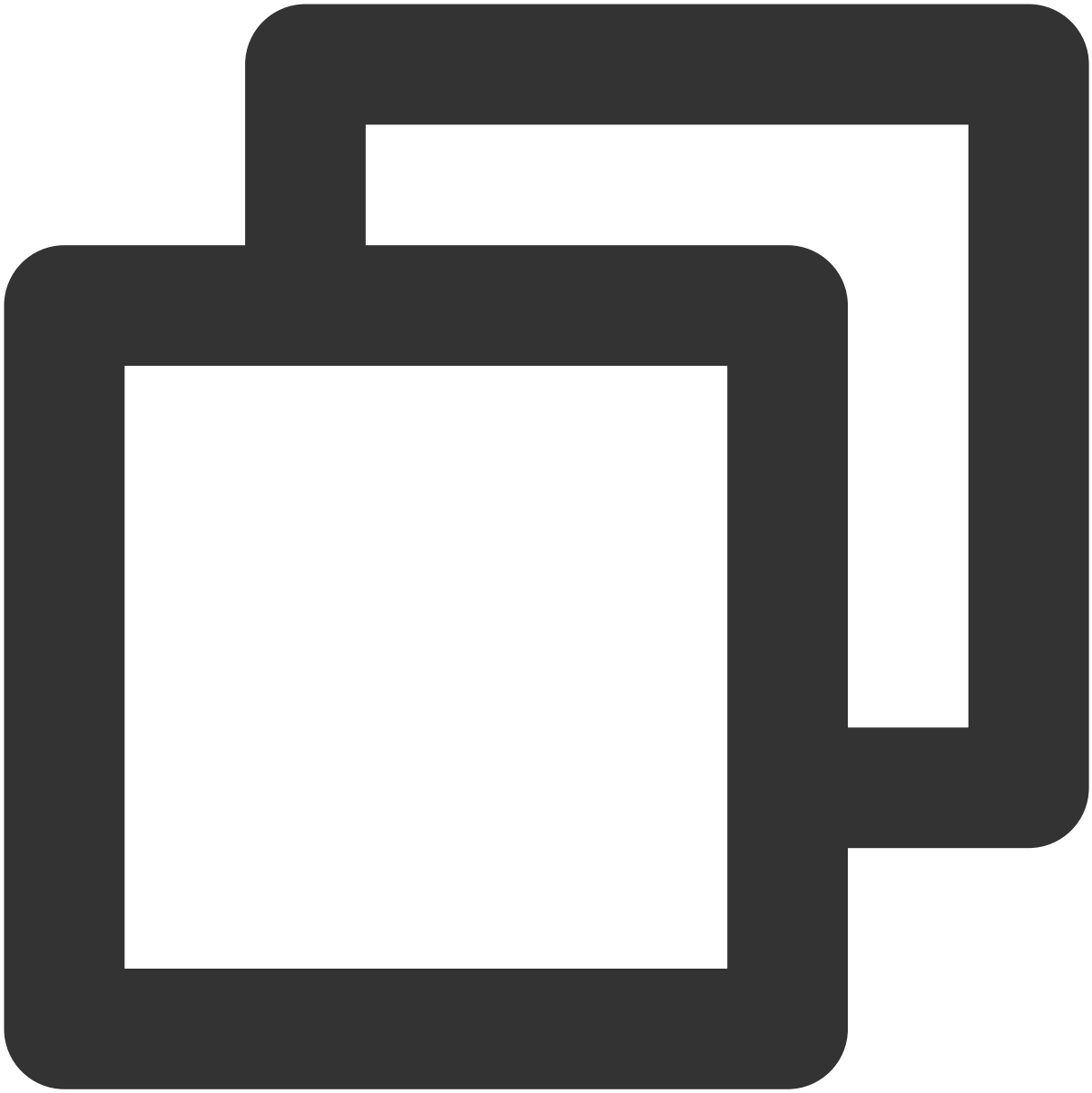

```
https://xxxxxx/v4/im_open_login_svc/account_import?sdkappid=88888888&identifier=adm
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/im_open_login_svc/account_import	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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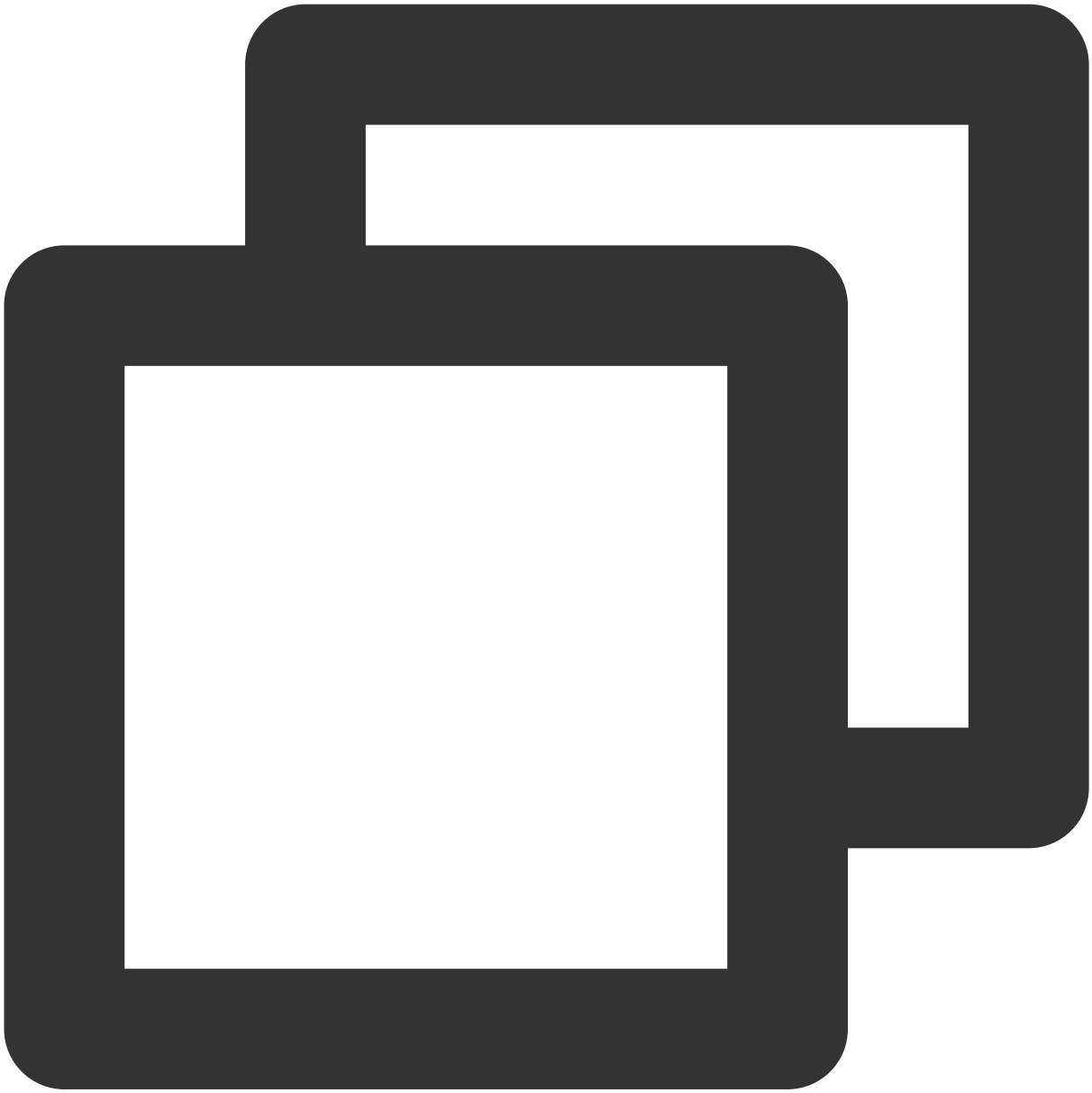

```
{
    "UserID":"test",
    "Nick":"test",
    "FaceUrl":"http://www.qq.com"
}
```

Request fields

Field	Type	Required	Description

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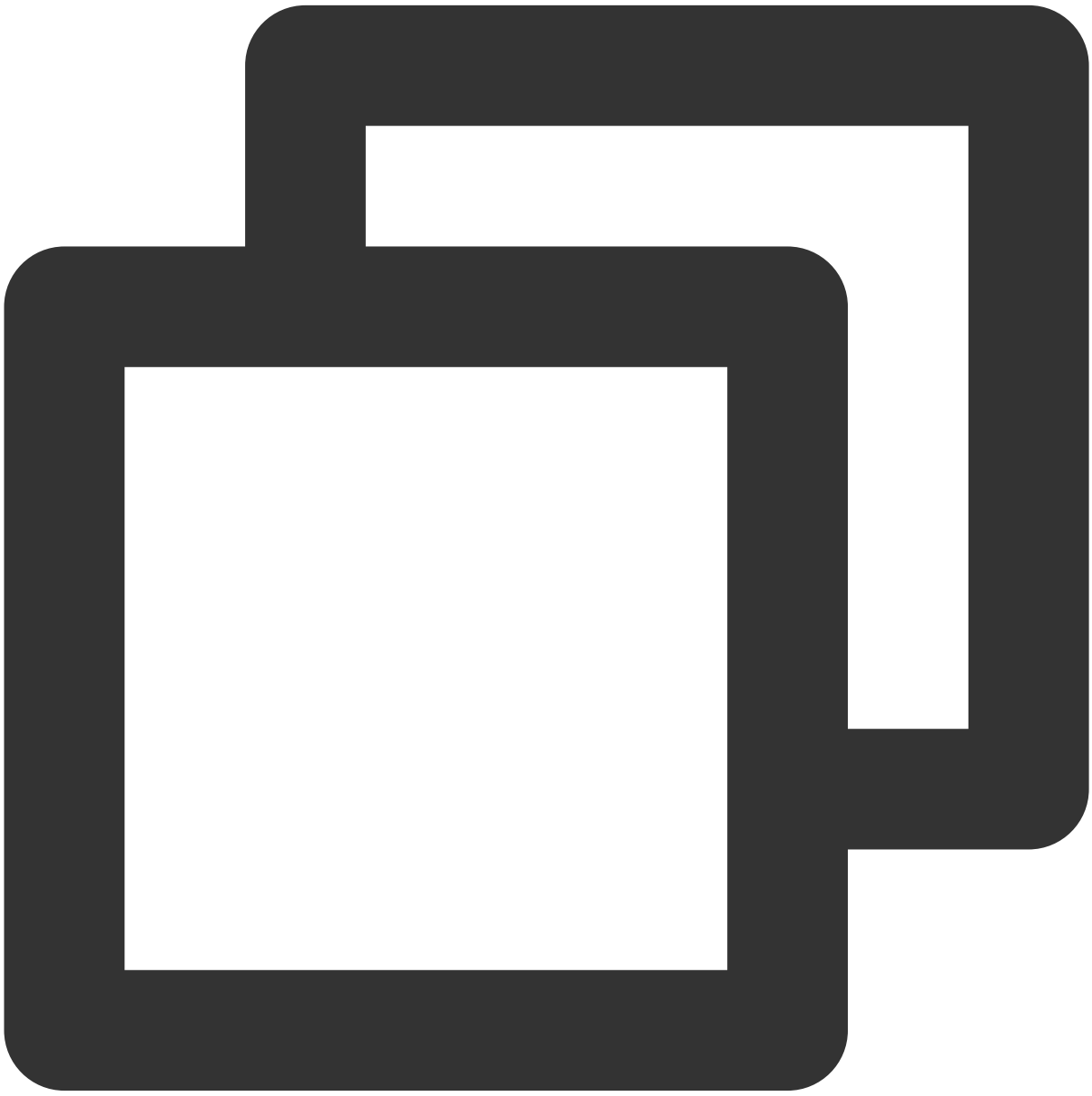
UserID	String	Yes	Username, which is a string of up to 32 bytes in length
Nick	String	No	User nickname
FaceUrl	String	No	URL of the user's profile photo

Sample response



```
{
   "ActionStatus":"OK",
   "ErrorInfo":"",
```

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```
    "ErrorCode":0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful. `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
40006	An internal server error occurred during profile setting. Try again later.
40601	The value of the profile field exceeds the length limit of 500 bytes.
70169	Server timeout. Try again later.
70398	The number of accounts exceeds the limit allowed. To create more than 100 accounts, upgrade your app to the Pro edition. For specific steps, see Purchase Guide.
70402	Invalid parameters. Check whether the required fields have been specified or whether the fields are set according to protocol requirements.
70403	The request failed. It requires the app admin’s permissions.
70500	Internal server error. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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References

Importing Multiple Accounts (v4/im_open_login_svc/multiaccount_import)

Deleting an account (v4/im_open_login_svc/account_delete)

Querying Accounts (v4/im_open_login_svc/account_check)

Setting Profiles (v4/profile/portrait_set)

Invalidating Account Login States (v4/im_open_login_svc/kick)

Querying Account Online Status (v4/openim/query_online_status)

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Importing Multiple Accounts

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to batch import app-owned accounts to Tencent Cloud Chat and create an internal ID for each of these accounts to ensure that these accounts can use the Chat service.

Note:

This API can import up to 100 accounts at a time. If an account is imported repeatedly, only one internal ID will be created for it.

This API is unable to import account nicknames and profile photos. You can call the Setting Profiles API to set account nicknames and profile photos.

API Calling Description

Sample request URL

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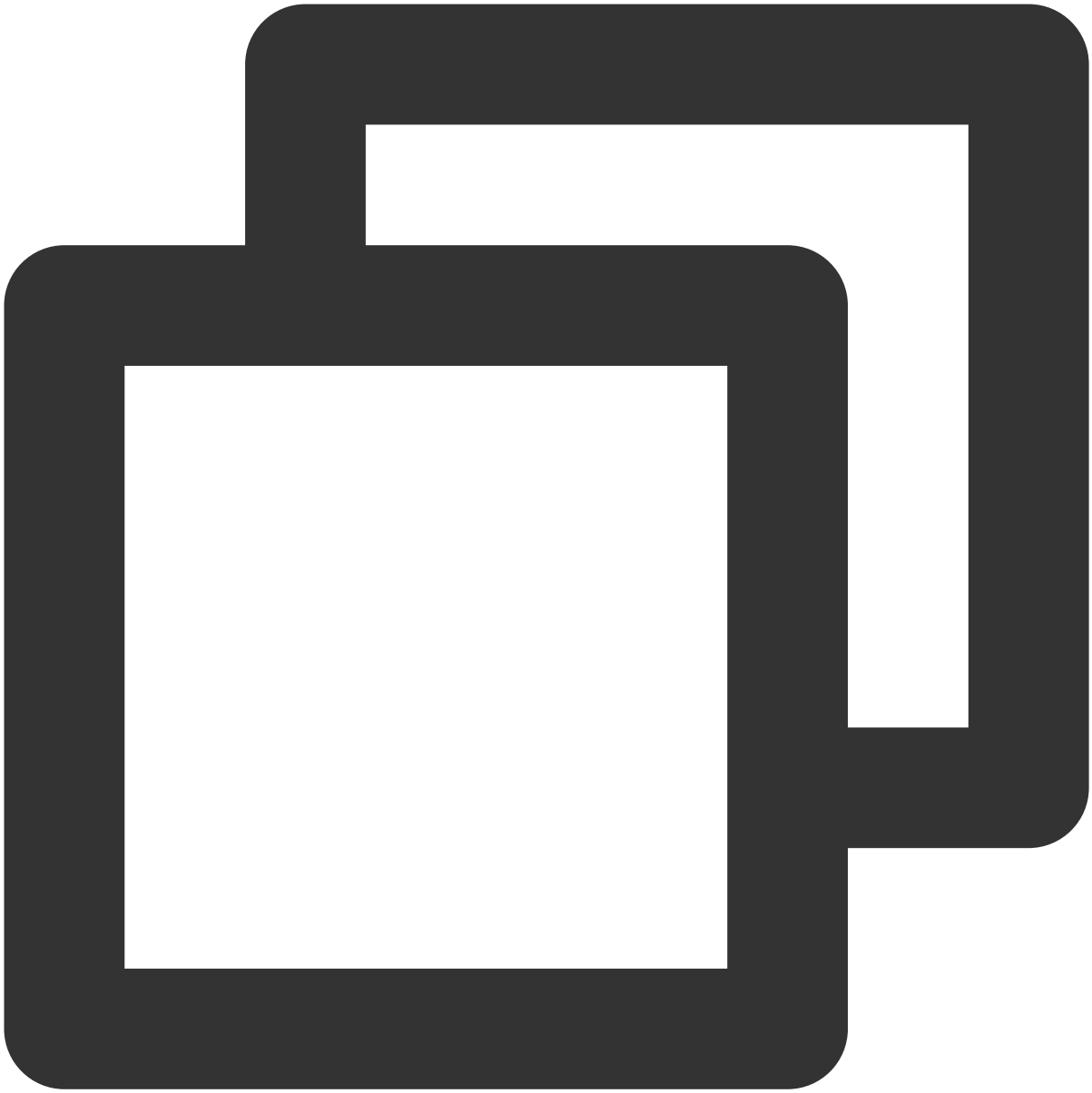

```
https://xxxxxx/v4/im_open_login_svc/multiaccount_import?sdkappid=88888888&identifie
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/im_open_login_svc/multiaccount_import	The request API that is used.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

100 times/second

Sample request

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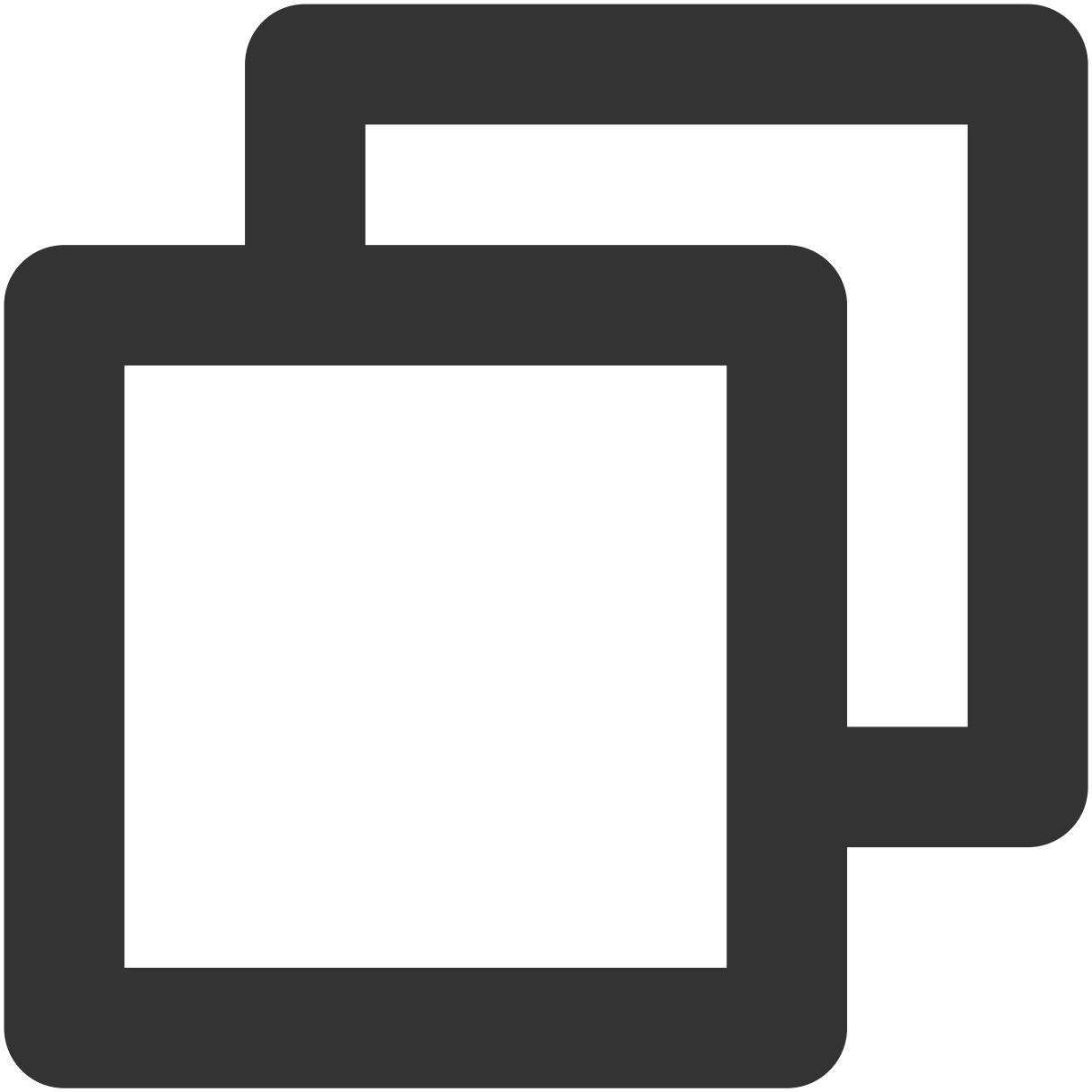

```
{
"Accounts":["test1","test2","test3","test4","test5"]
}
```

Request fields

Field	Type	Required	Description
Accounts	Array	Required	The user name of the account. A single user name cannot exceed 32 bytes in length. Up to 100 user names can be imported at a time.

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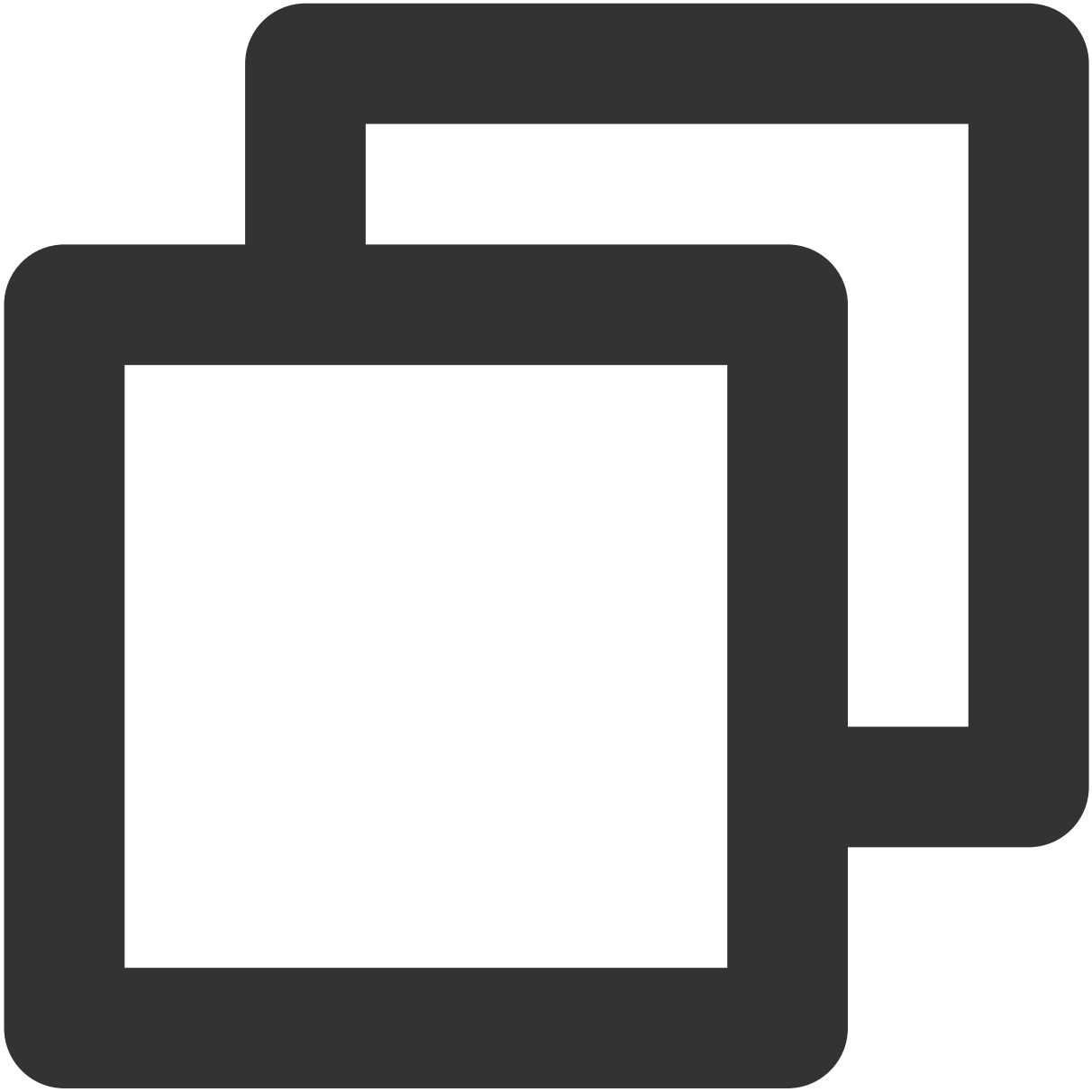
Sample response



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "FailAccounts": [
        "test3",
        "test4"
    ]
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful. `FAIL` : failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information
FailAccounts	Array	A list of accounts that failed to be imported.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
70169	The server timed out. Try again later.
70202	The server timed out. Try again later.
70398	The number of accounts exceeds the limit allowed. To create more than 100 accounts, upgrade your app to the Pro edition. For specific steps, see Purchase Guide.
70402	Invalid parameters. Check whether the required fields have been specified or whether the fields are set according to protocol requirements.
70403	The request failed. It requires the app admin’s permissions.
70500	Internal server error. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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References

Importing a Single Account (v4/im_open_login_svc/account_import)

Deleting an account (v4/im_open_login_svc/account_delete)

Querying Accounts (v4/im_open_login_svc/account_check)

Invalidating Account Login States (v4/im_open_login_svc/kick)

Querying Account Online Status (v4/openim/query_online_status)

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Deleting Accounts

Last updated：2024-08-20 17:02:58

Feature Description

The Chat trial edition and Chat developer edition applications support account deletion by default. For other types of applications (such as: TRTC, whiteboard, professional edition, ultimate edition), it needs to be enabled in the console.

Note:

For specific package types, you can enter the application page in the Console, and click **Application** > **Application Details** > **Plan** to view.

Note:

After deleting an account, **the user's data will be irrecoverable**, please use this interface with caution.

When deleting an account, that user's contacts, profile, groups, sessions, and other data will also be deleted.

The Chat trial edition and Chat free trial edition support importing deleted UserIDs. For other types of applications (such as: TRTC, whiteboard, professional edition, ultimate edition), **deleted UserIDs are not allowed to be re-imported within 3 months**.

API Calling Description

Sample request URL

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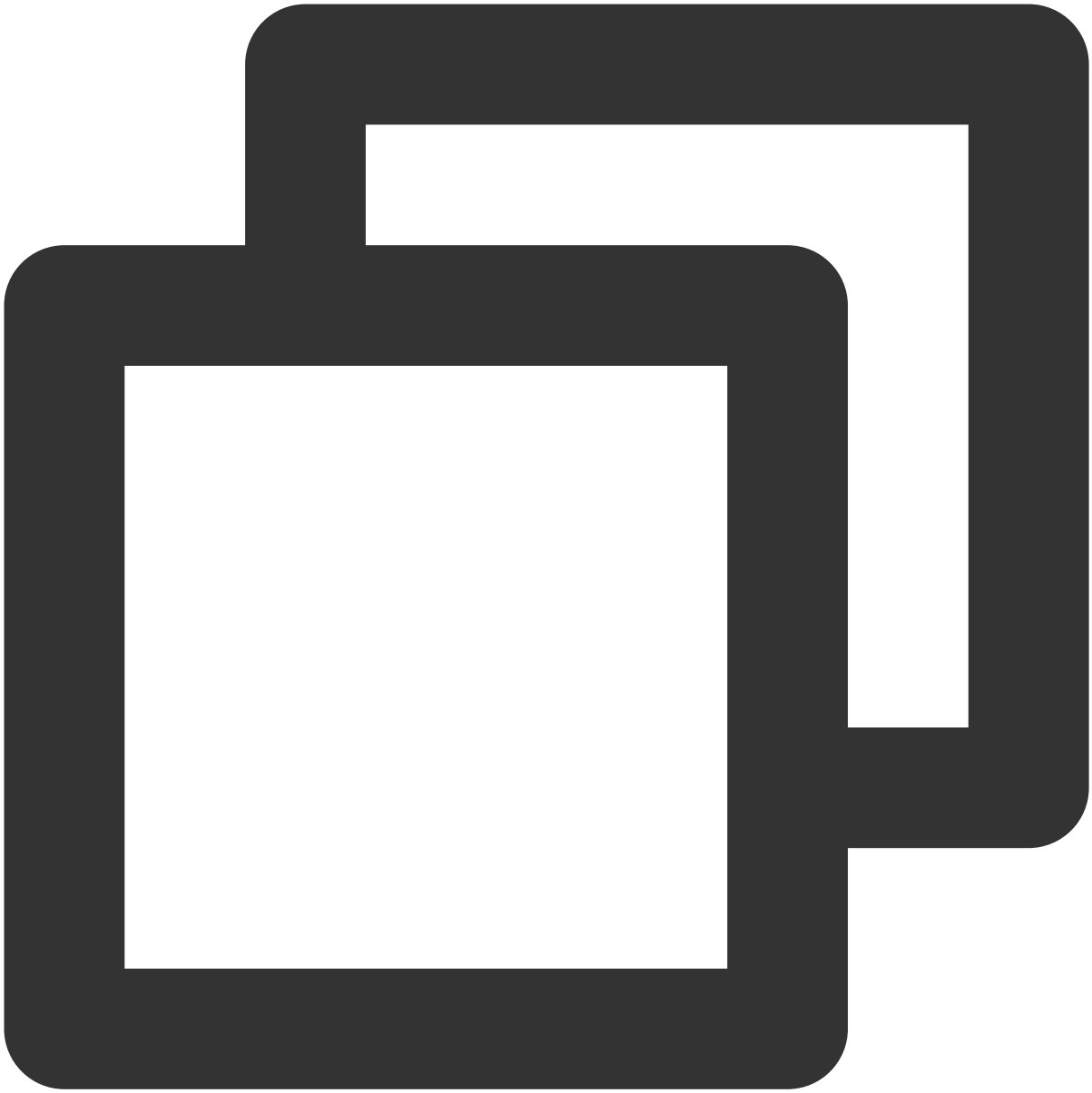

```
https://xxxxxx/v4/im_open_login_svc/account_delete?sdkappid=88888888&identifier=adm
```

Request parameters

The following table only describes the modified parameters when this API is called. For more information on other parameters, please see RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/im_open_login_svc/account_delete	Request API
sdkappid	`SDKAppID` assigned by the console when the app is created
identifier	App admin account. For more information, please see the **App Admin** section in Login Authentication.
usersig	Signature generated in the app admin account. For details on how to generate the signature, please see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format. The value is always `json` .

Maximum calling frequency

100 calls per second

Sample request packet

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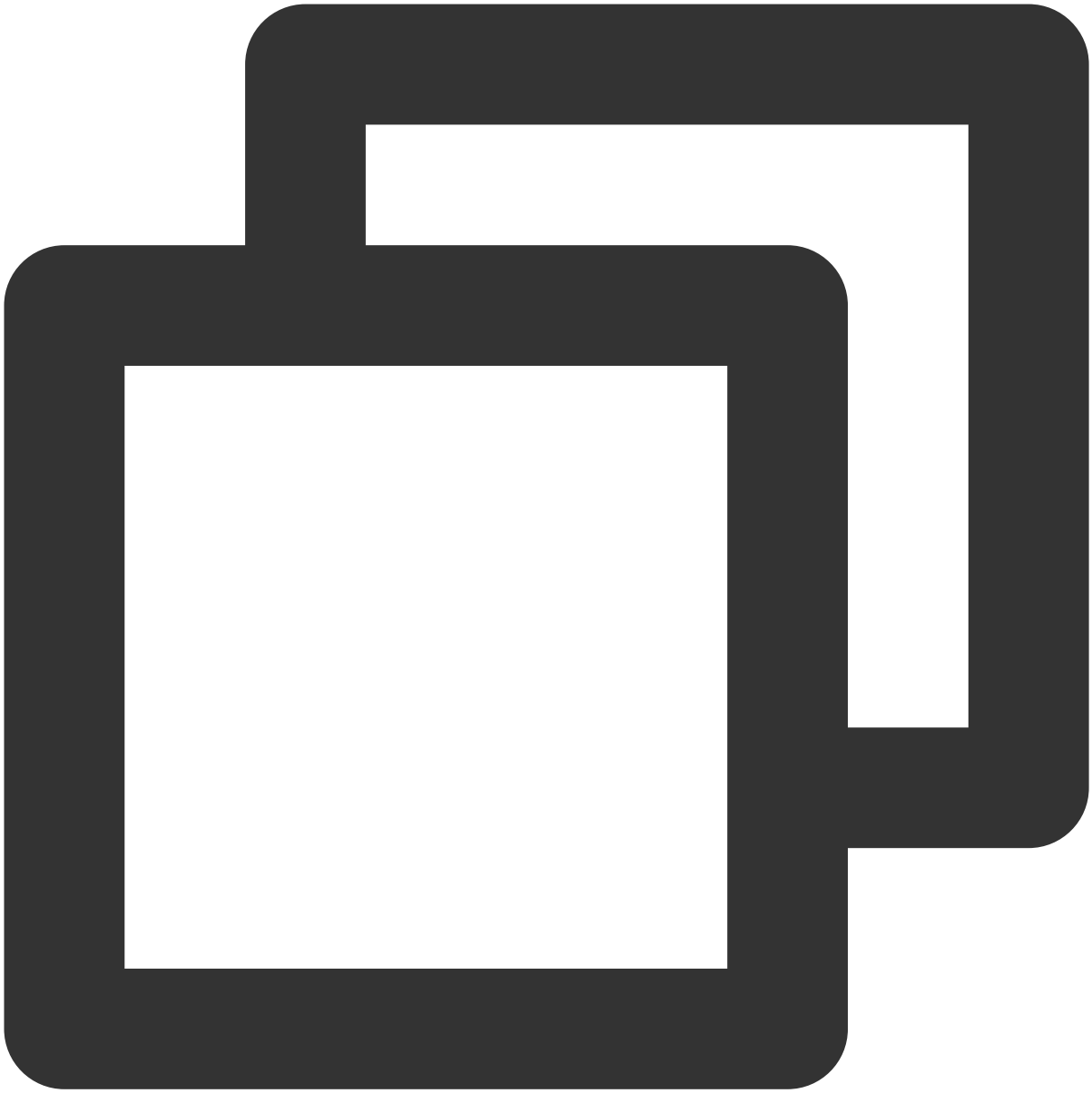

```
{
  "DeleteItem":
  [
      {
          "UserID":"UserID_1"
      },
      {
          "UserID":"UserID_2"
      }
  ]
}
```

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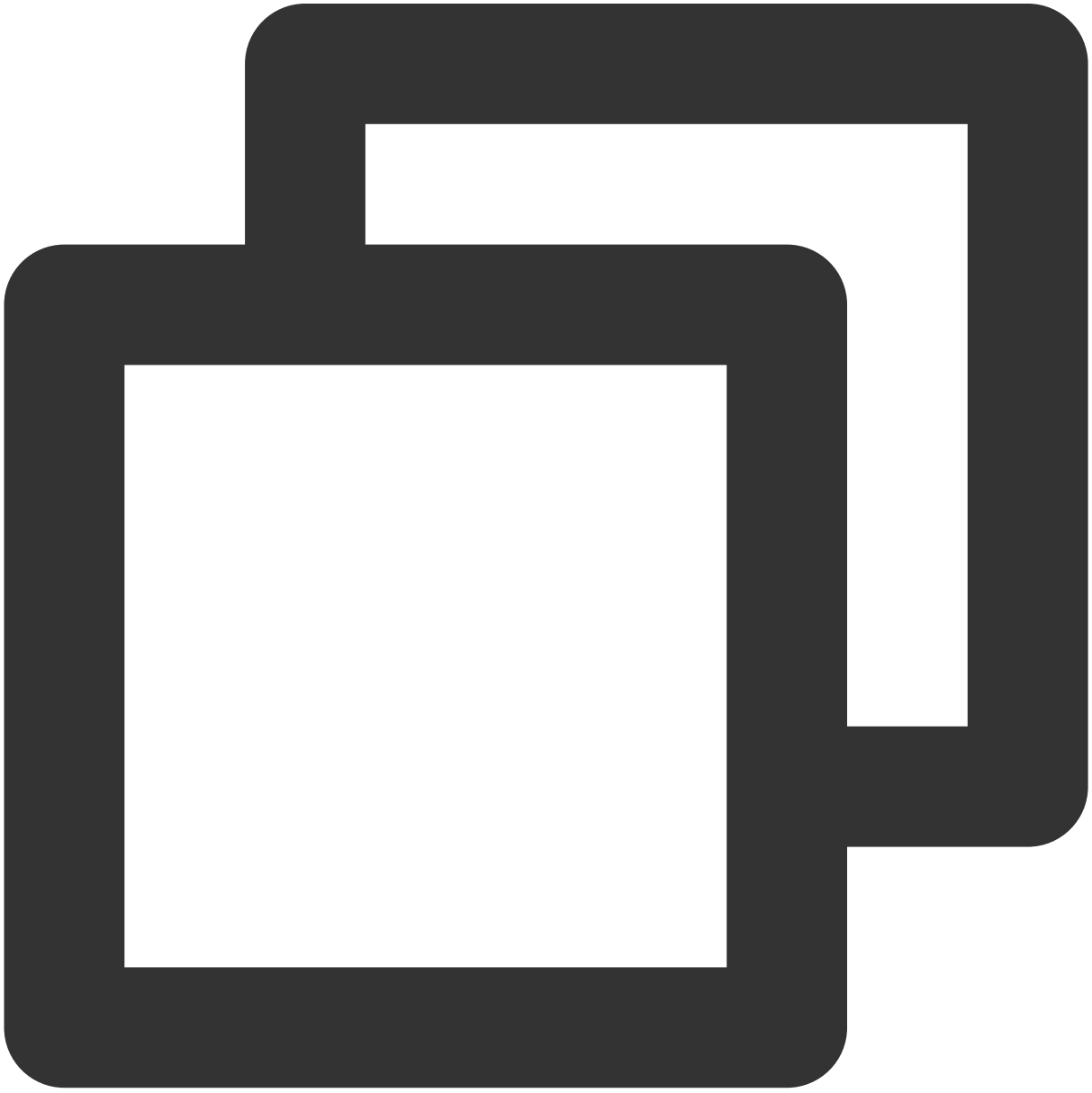
Request packet fields

Field	Type	Required	Description
DeleteItem	Array	Yes	Account array to delete. A single request can contain up to 100 accounts.
UserID	String	Yes	`UserID` of the account to delete

Sample response packet



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```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ResultItem": [
        {
            "ResultCode": 0,
            "ResultInfo": "",
            "UserID": "UserID_1"
        },
        {
            "ResultCode": 70107,
            "ResultInfo": "Err_TLS_PT_Open_Login_Account_Not_Exist",
            "UserID": "UserID_2"
        }
    ]
}
```

Response packet fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed
ErrorInfo	String	Error information about the request failure
ResultItem	Array	Array of results for different accounts
ResultCode	Integer	Error code for the account. `0` : successful; other values: failed
ResultInfo	String	Error information about the failure to delete the account
UserID	String	`UserID` of the account to delete

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error	Description

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Code	
30006	An internal server error occurred while clearing contacts data. Try again later.
30007	Internal server timeout occurred while clearing contacts data. Try again later.
30008	A write conflict occurred while writing contacts data. You are advised to use the batch mode.
40006	An internal server error occurred while clearing profiles. Try again later.
70107	The `UserID` to delete does not exist. Make sure that the `UserID` is valid.
70169	Server timeout. Try again later.
70202	Server timeout. Try again later.
70402	Invalid parameters. Make sure that the required fields are all entered and the parameter settings meet the protocol requirements.
70403	Request failed. App admin permissions are required to perform this operation.
70500	Internal server error. Try again later.
71000	Failed to delete accounts. Only accounts of apps using the Chat Trial plan can be deleted. Your current app is using the Pro plan and therefore does not support deleting accounts.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Importing a Single Account (v4/im_open_login_svc/account_import)
Importing Multiple Accounts (v4/im_open_login_svc/multiaccount_import)
Querying Accounts (v4/im_open_login_svc/account_check)
Invalidating Account Login States (v4/im_open_login_svc/kick)
Querying Account Online Status (v4/openim/query_online_status)

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Querying Accounts

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to query whether app-owned accounts have been imported to Chat. Batch query is supported.

API Calling Description

Sample request URL

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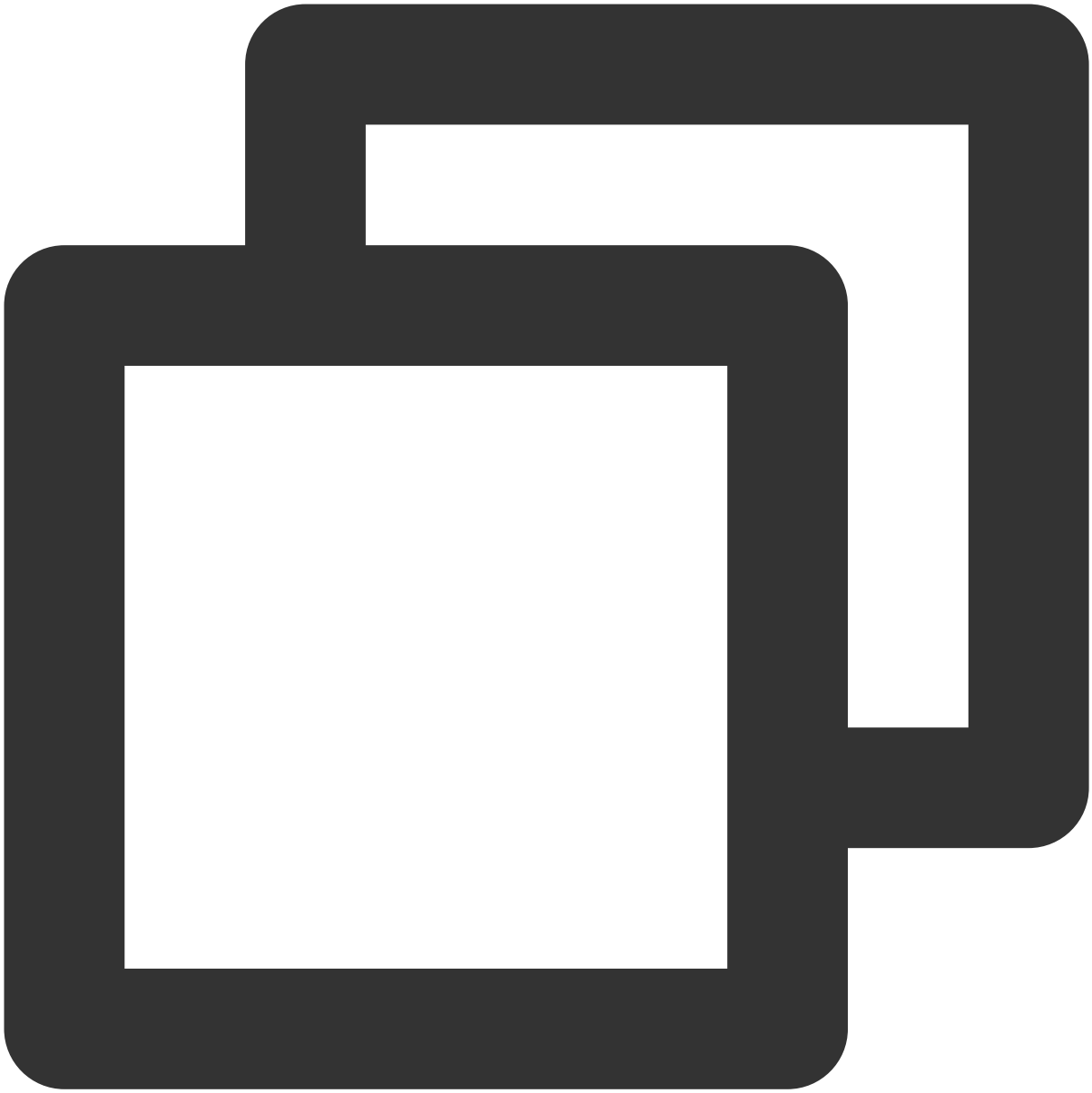

```
https://xxxxxx/v4/im_open_login_svc/account_check?sdkappid=88888888&identifier=admi
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/im_open_login_svc/account_check	Request API
sdkappid	`SDKAppID` assigned by the console when the app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format, which should always be `json` .

Maximum call frequency

100 times/second

Sample request

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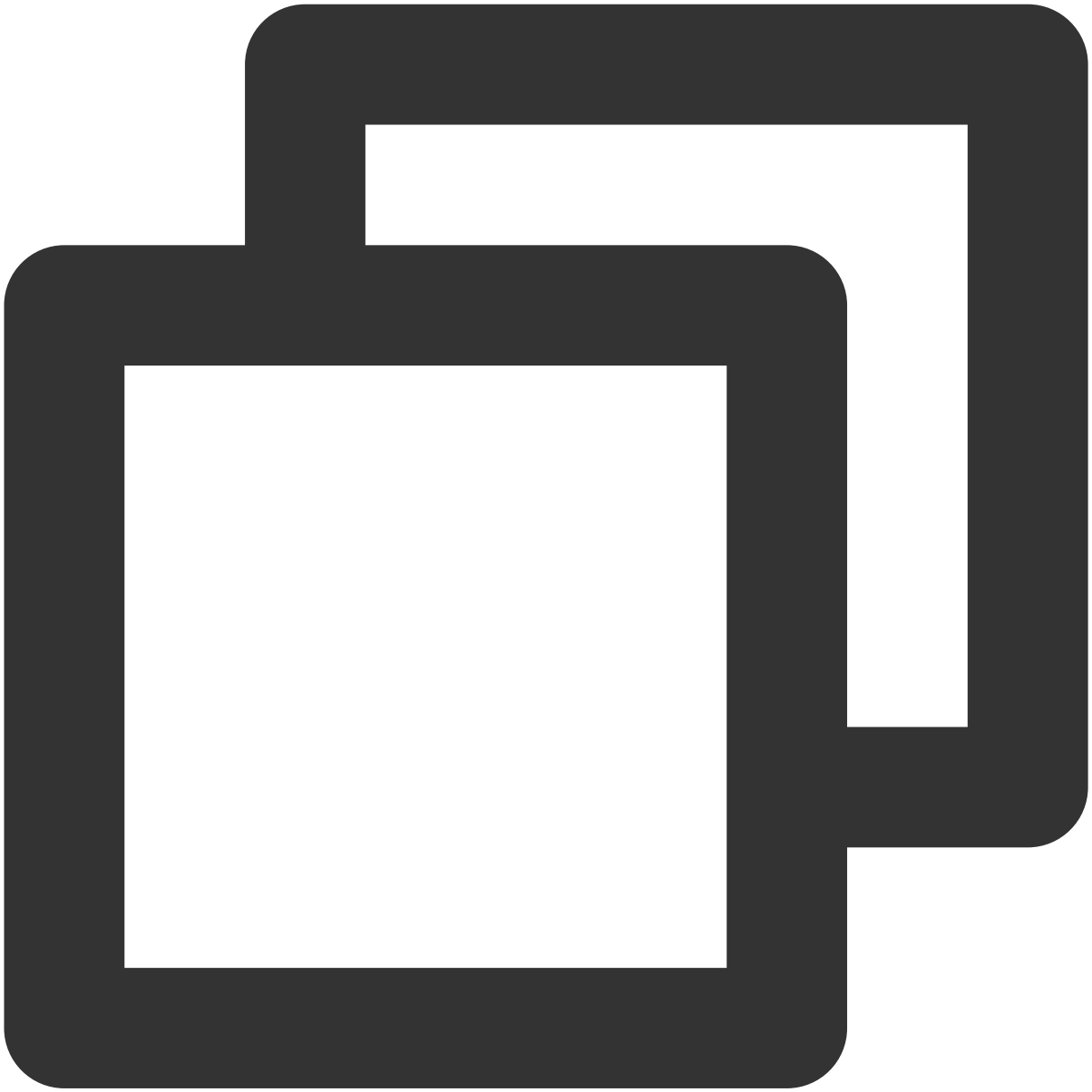

```
{
  "CheckItem":
  [
      {
          "UserID":"UserID_1"
      },
      {
          "UserID":"UserID_2"
      }
  ]
}
```

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Request fields

Field	Type	Required	Description
CheckItem	Array	Yes	Account object array to check. A single request can contain up to 100 accounts.
UserID	String	Yes	UserID of the account to check

Sample response

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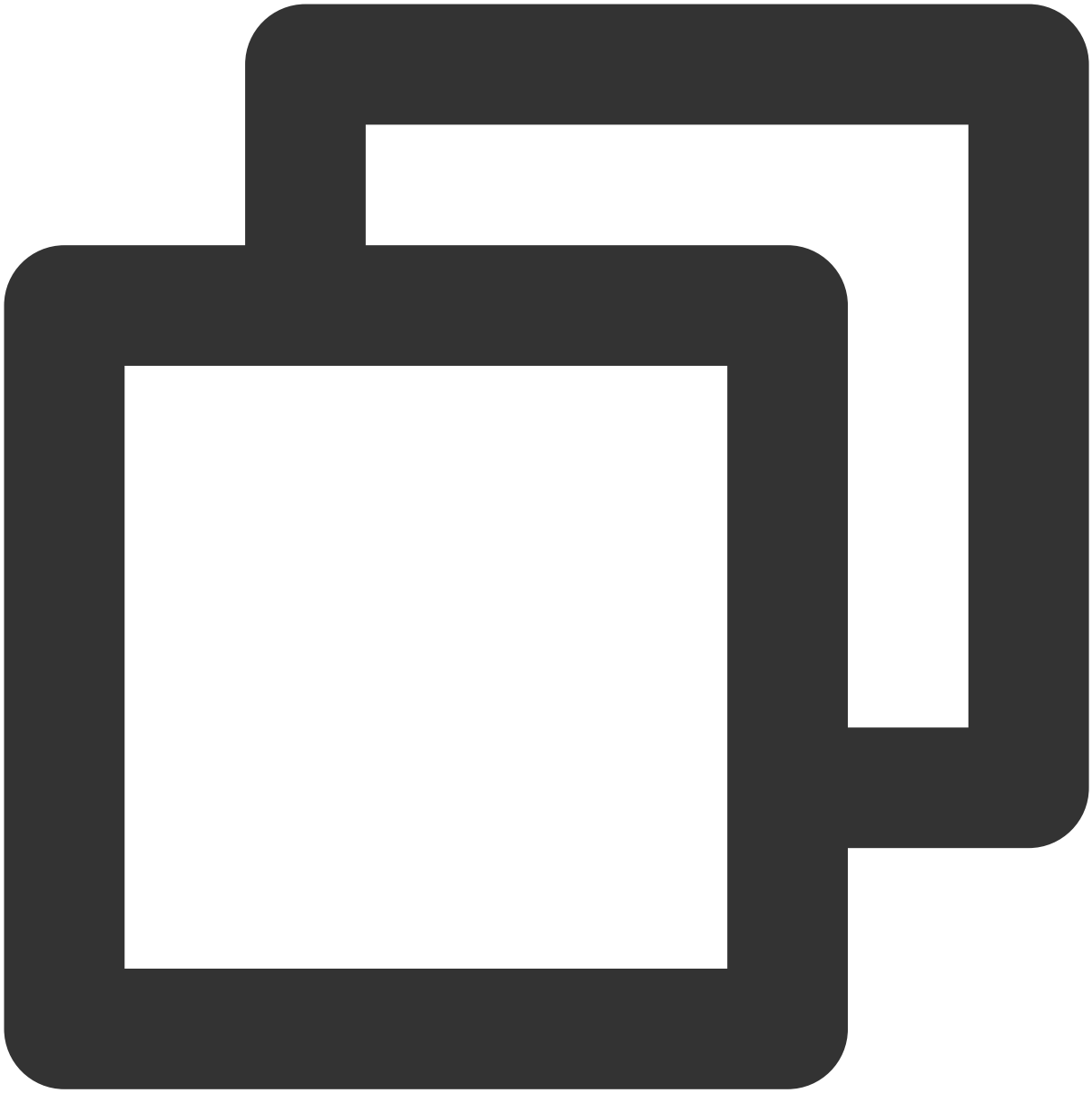


```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ResultItem": [
        {
            "UserID": "UserID_1",
            "ResultCode": 0,
            "ResultInfo": "",
            "AccountStatus": "Imported"
        },
```


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```
        {
            "UserID": "UserID_2",
            "ResultCode": 0,
            "ResultInfo": "",
            "AccountStatus": "NotImported"
        }
    ]
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information about the request failure
ResultItem	Array	Array of results for different accounts
UserID	String	UserID of the account to check
ResultCode	Integer	Check result for the account. `0` : Successful. Other values: Failed
ResultInfo	String	Error information about the failure to check the account
AccountStatus	String	Import status of an account. Valid values: `Imported` and `NotImported`

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
70169	Server timeout. Try again later.
70202	Server timeout. Try again later.
70402	Invalid parameters. Make sure that the required fields are all entered and the parameter settings meet the protocol requirements.

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70403	Request failed. App admin permissions are required to perform this operation.
70500	Internal server error. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Importing a Single Account (v4/im_open_login_svc/account_import)
Importing Multiple Accounts (v4/im_open_login_svc/multiaccount_import)
Deleting an account (v4/im_open_login_svc/account_delete)
Invalidating Account Login States (v4/im_open_login_svc/kick)
Querying Account Online Status (v4/openim/query_online_status)

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User Information
Setting Profiles

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to set standard profile fields and custom profile fields.

API Calling Description

Sample request URL

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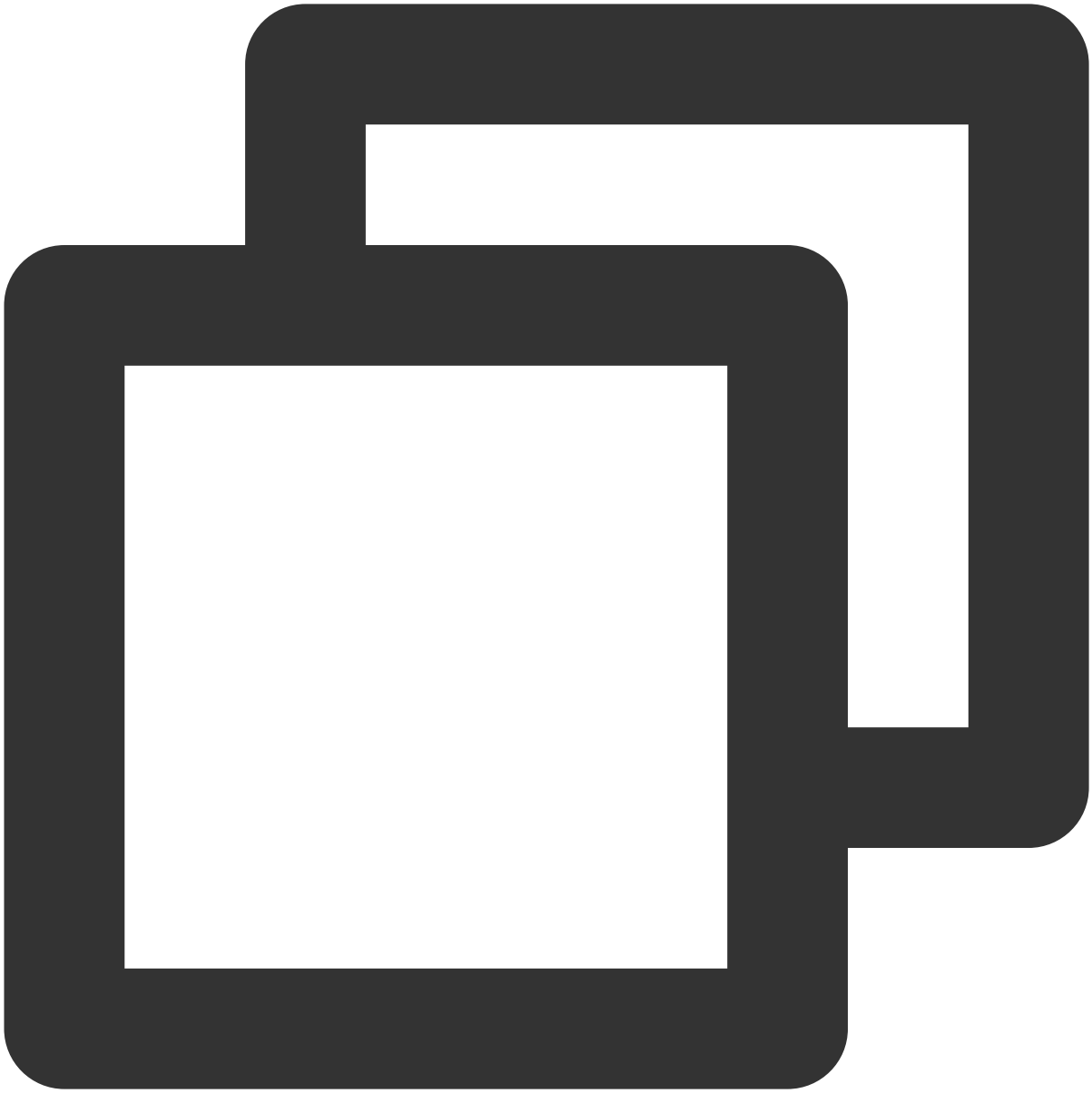

```
https://xxxxxx/v4/profile/portrait_set?sdkappid=88888888&identifier=admin&usersig=x
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/profile/portrait_set	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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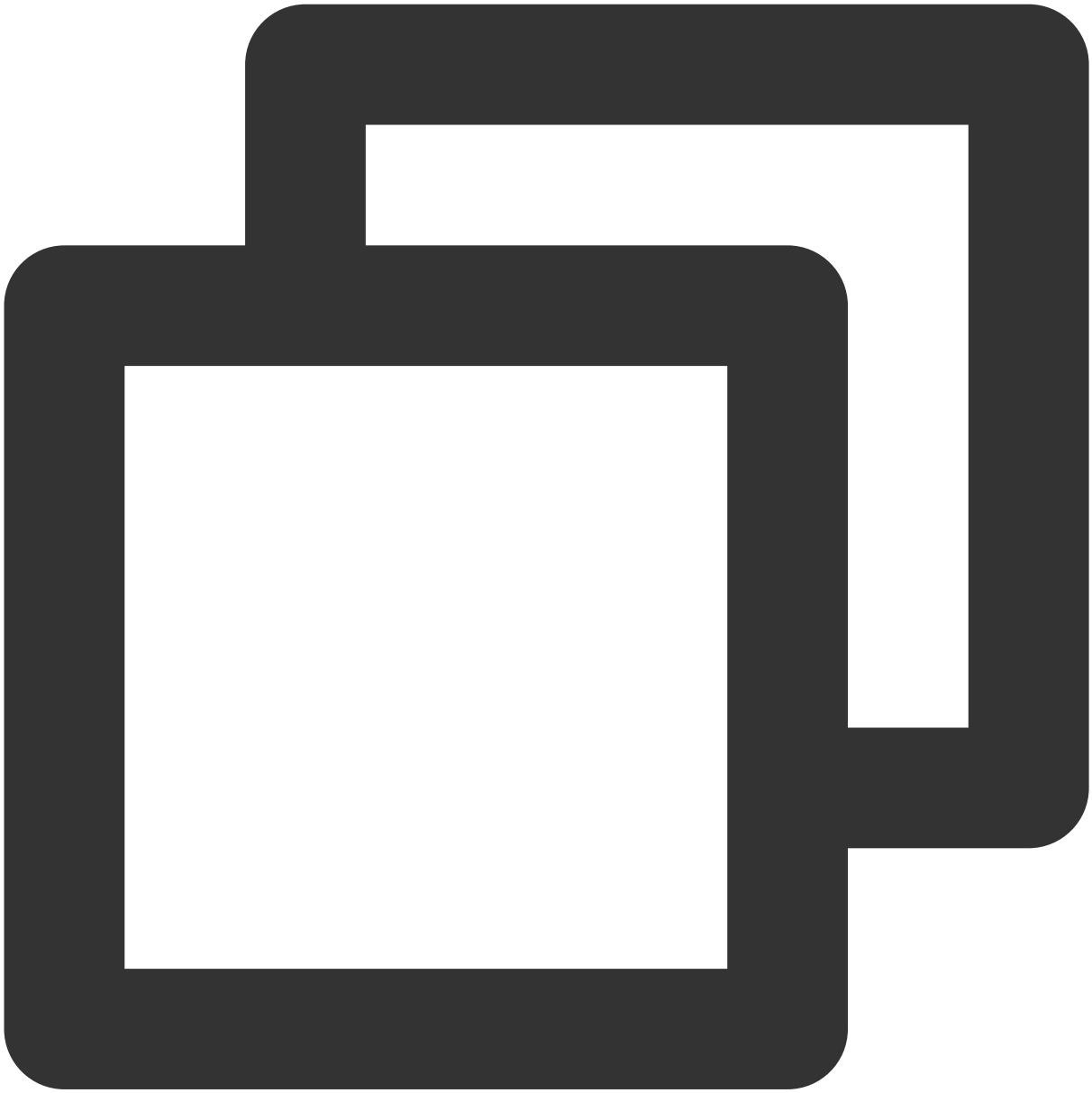

```
{
    "From_Account":"id",
    "ProfileItem":
    [
        {
            "Tag":"Tag_Profile_IM_Nick",
            "Value":"MyNickName"
        }
    ]
}
```

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Request fields

Field	Type	Required	Description
From_Account	String	Yes	UserID of the user whose profile needs to be set
ProfileItem	Array	Yes	Profile object array of the target user. Each object in the array contains a tag and a value.
Tag	String	Yes	Profile field to be set. Profile fields that can be set include: 1. Standard Profile Fields 2. Custom Profile Fields
Value	uint64_t/string/bytes	Yes	Value of the profile field to be set. For details, see Profile Fields.

Sample response

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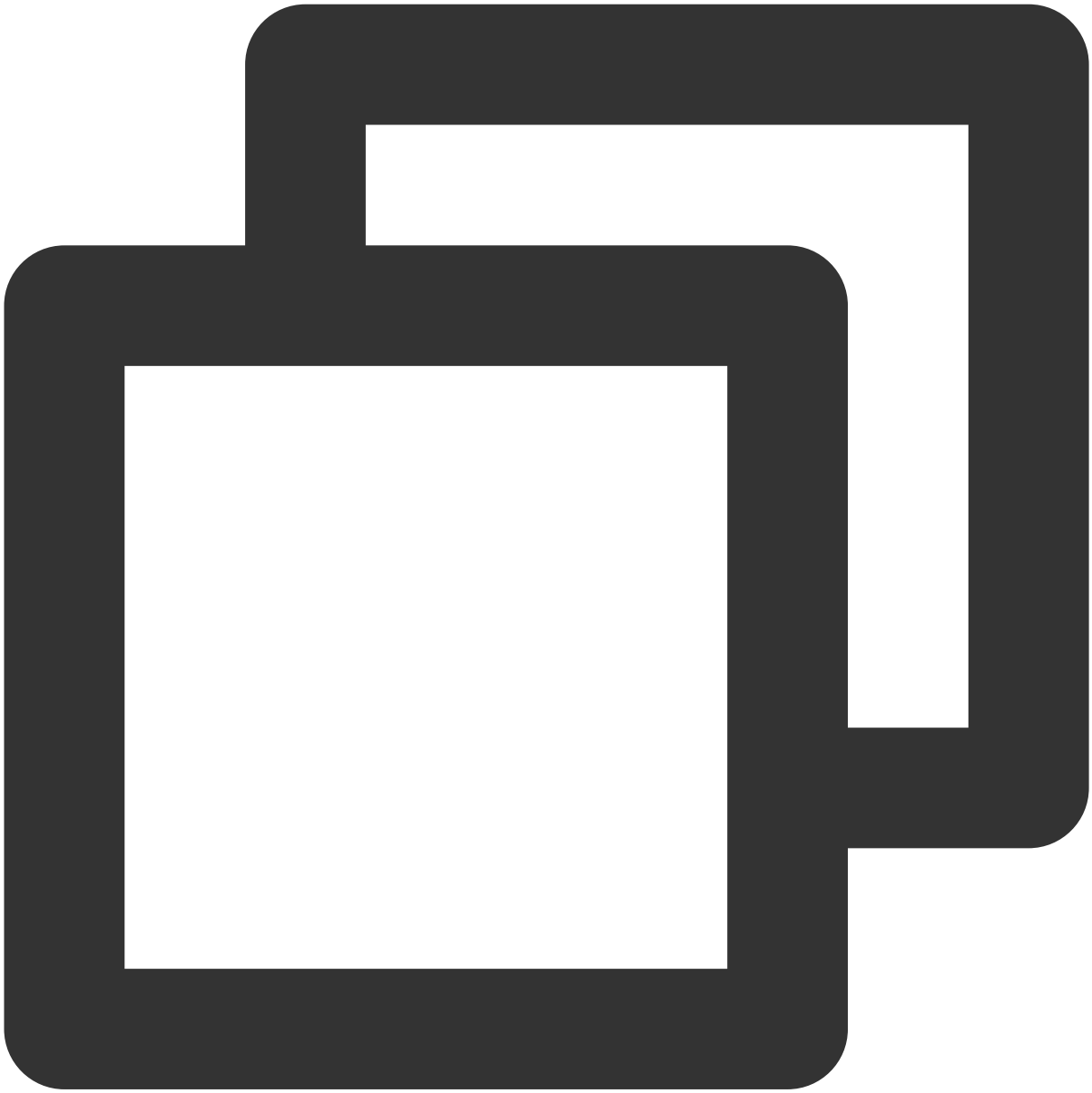

```
{
    "ActionStatus":"FAIL",
    "ErrorCode":40001,
    "ErrorInfo":"Err_Profile_Comm_Decode_Fail",
    "ErrorDisplay":""
}
```

Response fields

Field	Type	Description

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ActionStatus	String	The result of the request. `OK` means the request was successful. `FAIL` means the request failed.
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
40001	Incorrect request parameter. Check your request according to the error description.
40003	The requested account does not exist.
40004	The request requires app admin permission.
40006	Internal server error. Try again later.
40008	No permission to write profile fields. For more information, see Profile Fields.
40009	The tag of a profile field does not exist.
40601	The value of the profile field exceeds the length limit of 500 bytes.
40605	Incorrect value of the standard profile field. For more information, see Standard Profile Fields.
40610	Incorrect value type of the standard profile field. For more information, see Standard Profile Fields.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

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Pulling profiles (v4/profile/portrait_get)

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Pulling Profiles

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to pull profile fields of friends and other users.
This API can pull standard profile fields and custom profile fields.
We recommend that you pull the profile fields of no more than 100 users at a time to avoid response packet failure due to excessive data volume.
Ensure that all accounts in the request are imported into the Chat console. Otherwise, an error will be displayed at the Chat backend.

API Calling Description

Sample request URL

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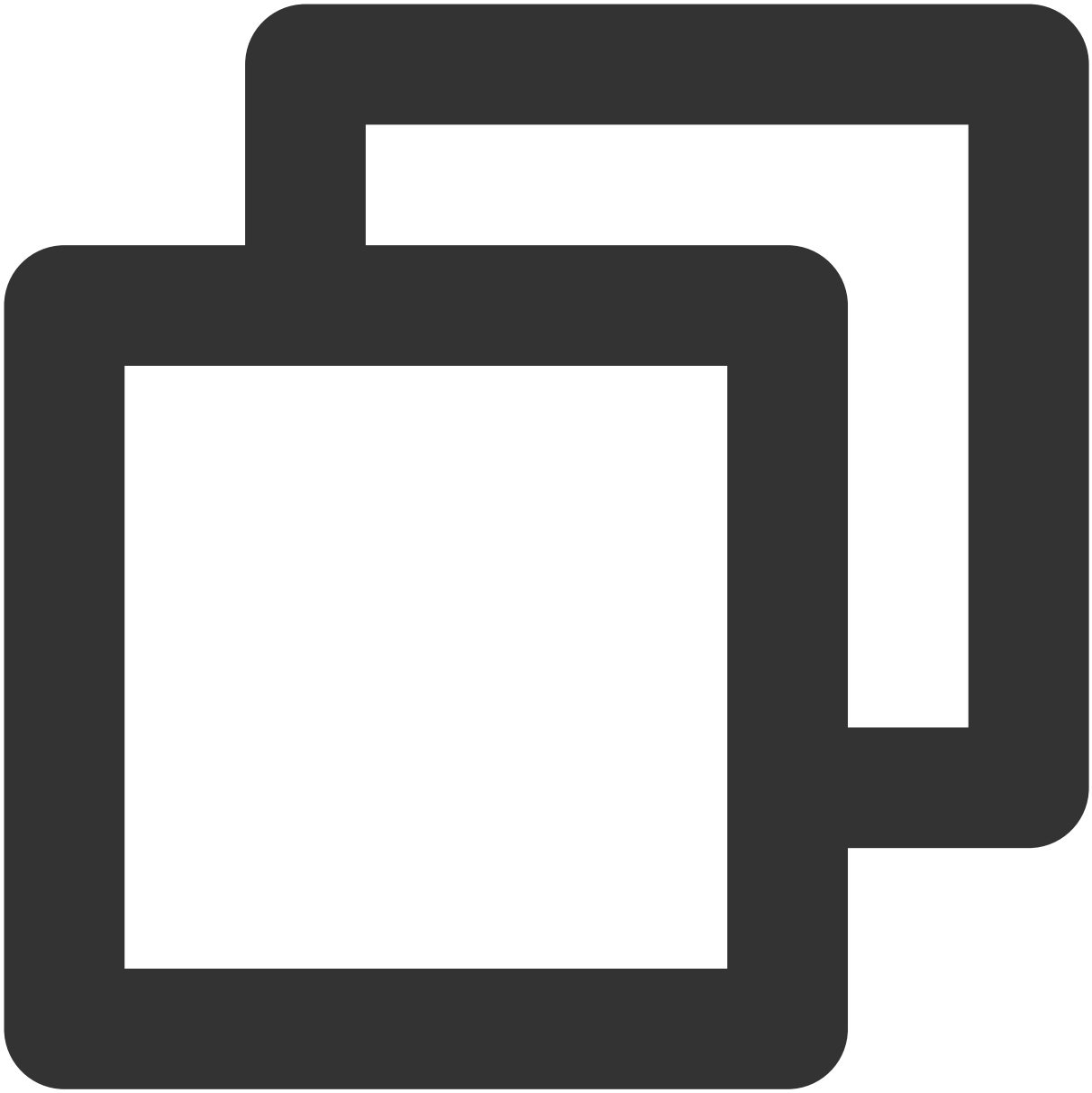

```
https://xxxxxx/v4/profile/portrait_get?sdkappid=88888888&identifier=admin&usersig=x
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/profile/portrait_get	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Read a profile field of a user

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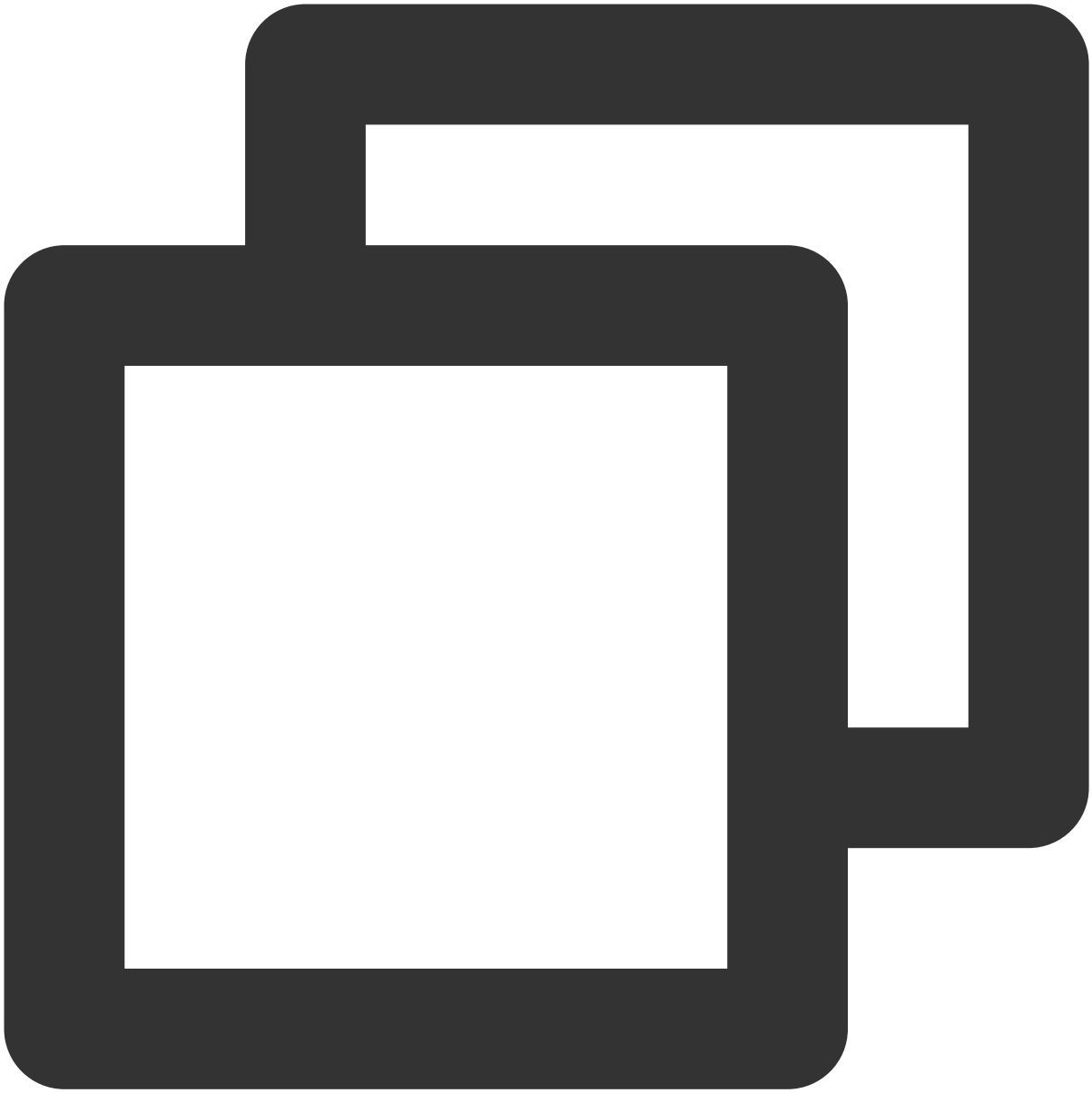

```
{
  "To_Account":["id1"],
  "TagList":
  [
      "Tag_Profile_IM_Nick"
  ]
}
```

Read multiple profile fields of a user

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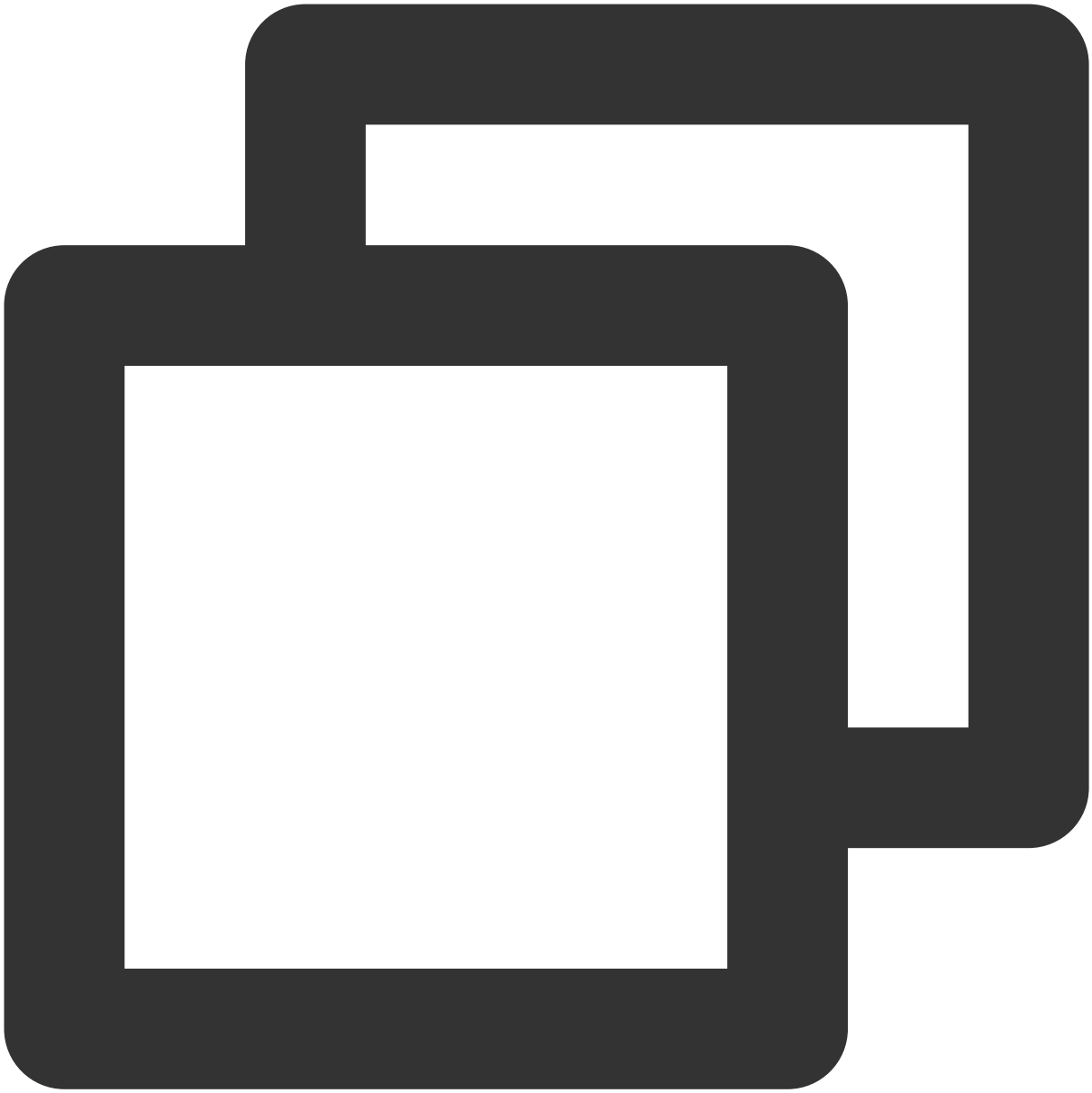

```
{
  "To_Account":["id1"],
  "TagList":
  [
      "Tag_Profile_IM_Nick",
      "Tag_Profile_IM_AllowType",
      "Tag_Profile_IM_SelfSignature",
      "Tag_Profile_Custom_Test"
  ]
}
```

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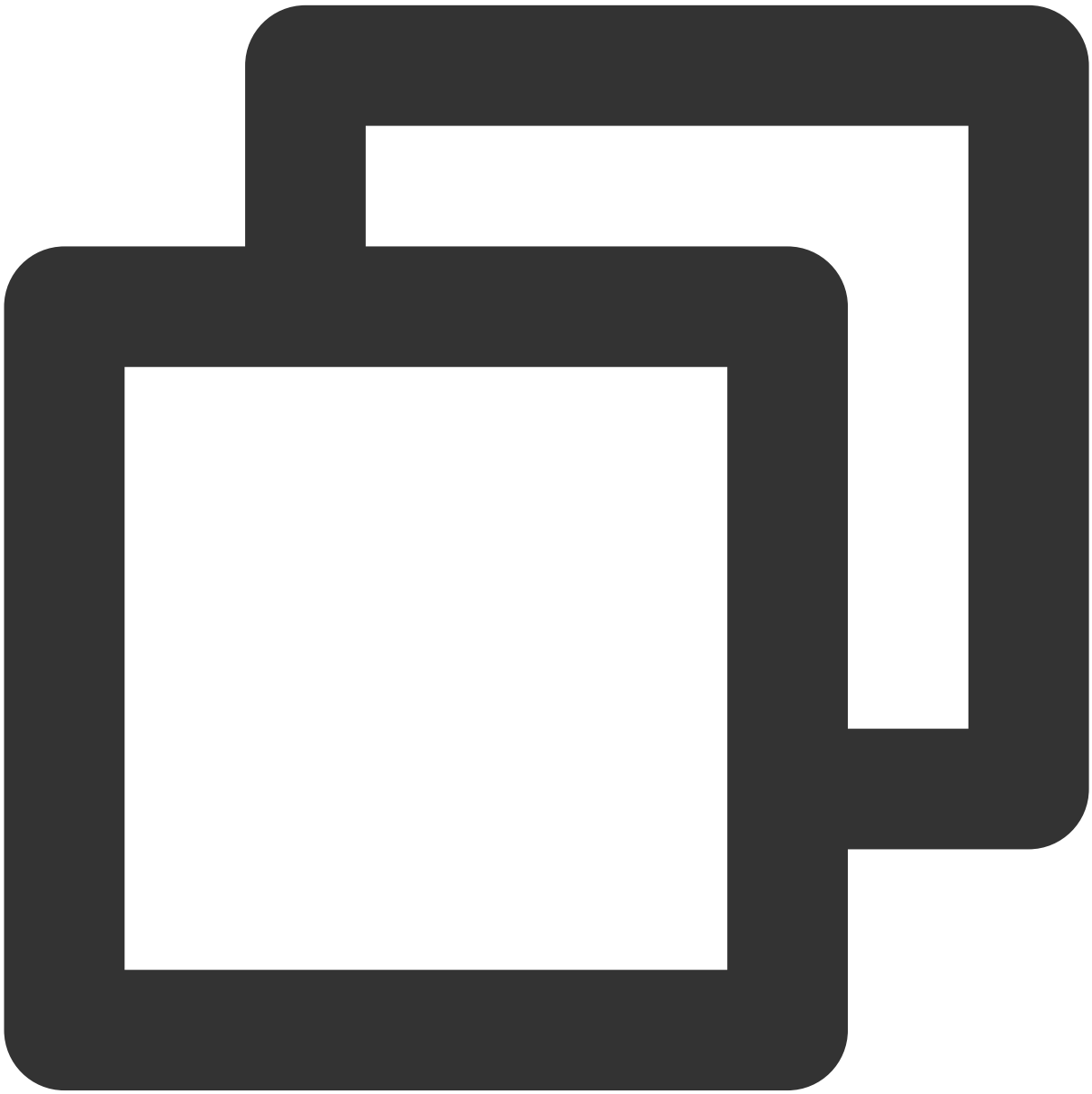
Read a profile field of multiple users



```
{
  "To_Account":["id1","id2","id3"],
  "TagList":
  [
      "Tag_Profile_IM_Nick"
  ]
}
```

Read multiple profile fields of multiple users

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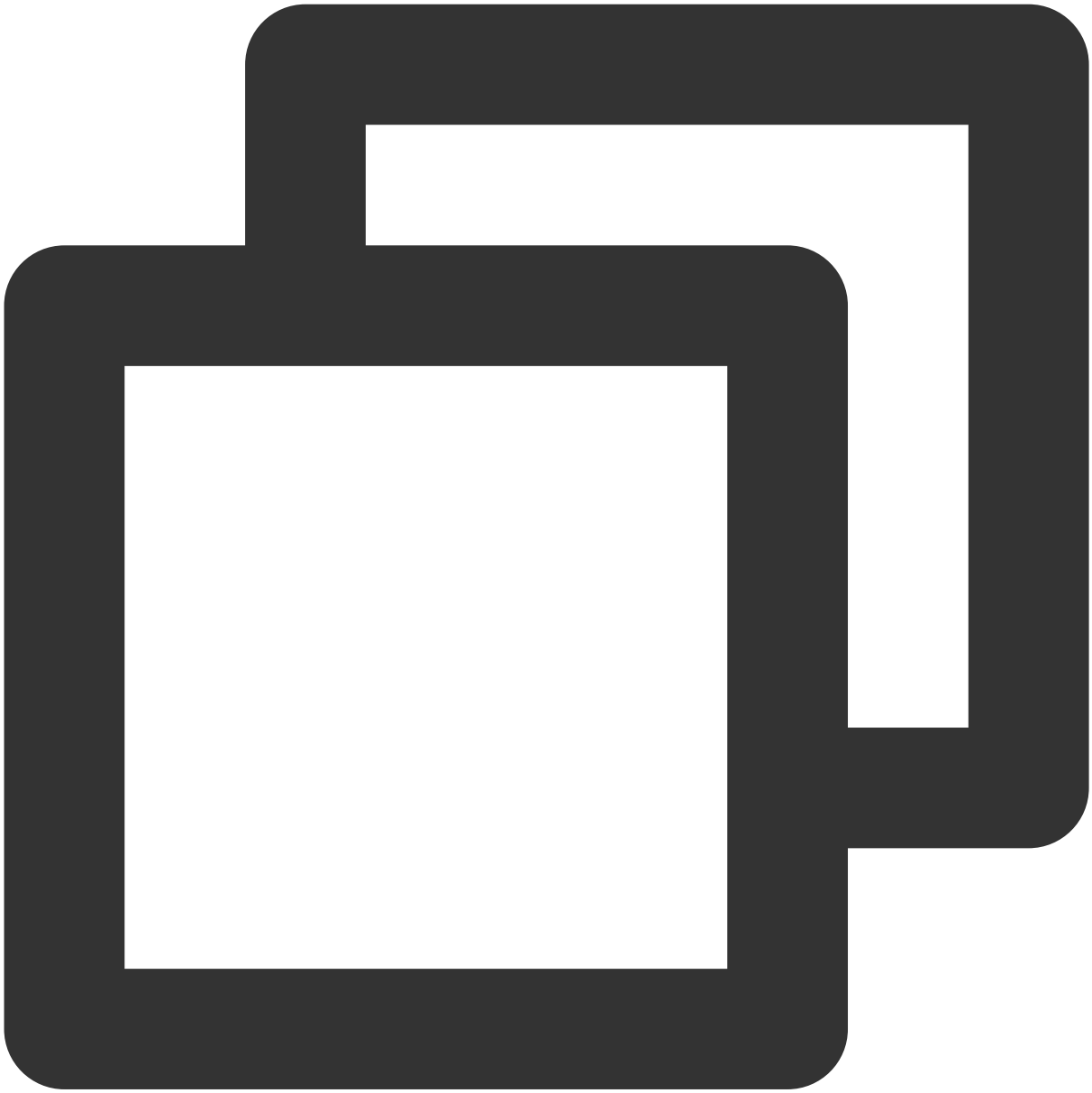

```
{
  "To_Account":["id1","id2","id3","id4"],
  "TagList":
  [
      "Tag_Profile_IM_Nick",
      "Tag_Profile_IM_AllowType",
      "Tag_Profile_IM_SelfSignature",
      "Tag_Profile_Custom_Test"
  ]
}
```

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Request fields

Field	Type	Required	Description
To_Account	Array	Required	The UserID of users whose profile fields need to be pulled. Note: profile fields of no more than 100 users can be pulled each time to prevent a response packet failure due to excessive data.
TagList	Array	Required	The tag of a profile field to be pulled. Supported fields include: 1. Standard profile fields. For more information, see Standard Profile Fields. 2. Custom profile fields. For more information, see Custom profile fields.

Sample response

Read a profile field of a user

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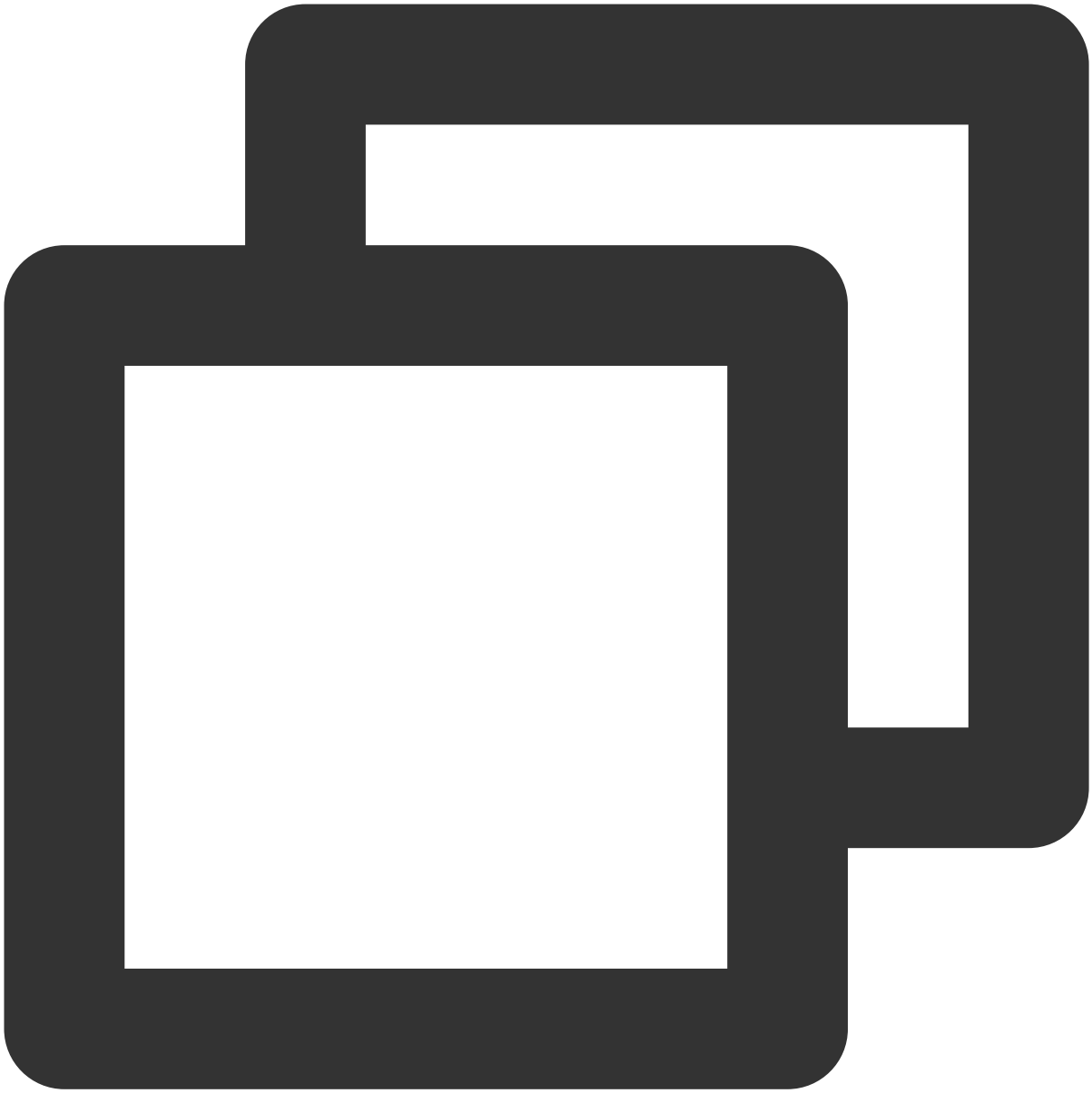

```
{
  "UserProfileItem":
  [
      {
          "To_Account":"id1",
          "ProfileItem":
          [
              {
                  "Tag":"Tag_Profile_IM_Nick",
                  "Value":"NickNameTest1"
              }
```

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```
            ],
            "ResultCode":0,
            "ResultInfo":""
        }
    ],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```

Read multiple profile fields of a user

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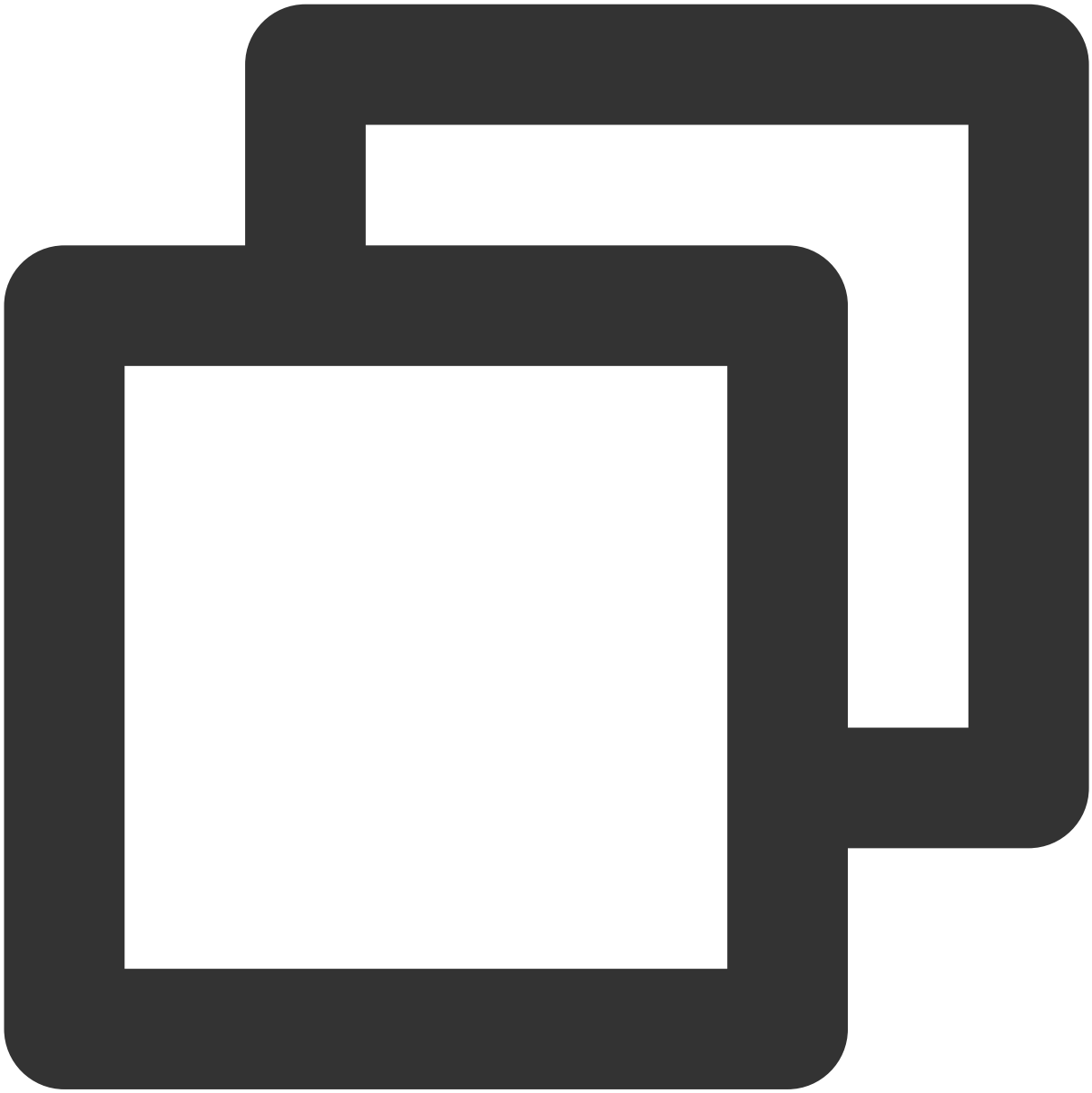

```
{
  "UserProfileItem":
  [
      {
          "To_Account":"id1",
          "ProfileItem":
          [
              {
                  "Tag":"Tag_Profile_IM_Nick",
                  "Value":"NickNameTest1"
              },
```

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```
                {
                    "Tag":"Tag_Profile_IM_AllowType",
                    "Value":"AllowType_Type_NeedConfirm"
                },
                {
                    "Tag":"Tag_Profile_IM_SelfSignature",
                    "Value":"I'm Test1"
                },
                {
                    "Tag":"Tag_Profile_Custom_Test",
                    "Value":"Custom Data1"
                }
            ],
            "ResultCode":0,
            "ResultInfo":""
        }
    ],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```


Read a profile field of multiple users

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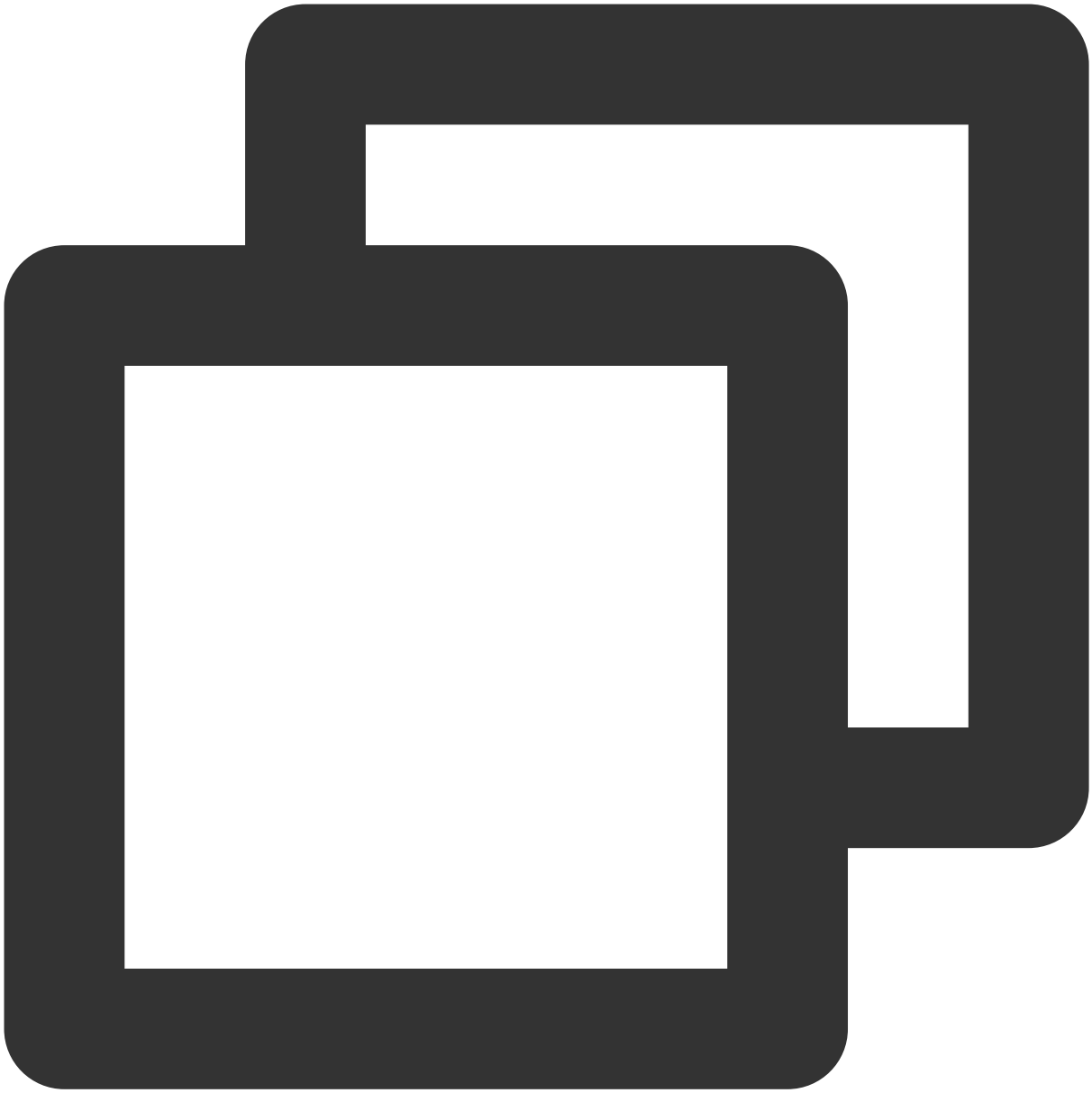

```
{
  "UserProfileItem":
  [
      {
          "To_Account":"id1",
          "ProfileItem":
          [
              {
                  "Tag":"Tag_Profile_IM_Nick",
                  "Value":"NickNameTest1"
              }
```

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```
            ],
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ProfileItem":
            [
                {
                    "Tag":"Tag_Profile_IM_Nick",
                    "Value":"NickNameTest2"
                }
            ],
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id3",
            "ProfileItem":
            [
                {
                    "Tag":"Tag_Profile_IM_Nick",
                    "Value":"NickNameTest3"
                }
            ],
            "ResultCode":0,
            "ResultInfo":""
        }
    ],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```


Read multiple profile fields of multiple users

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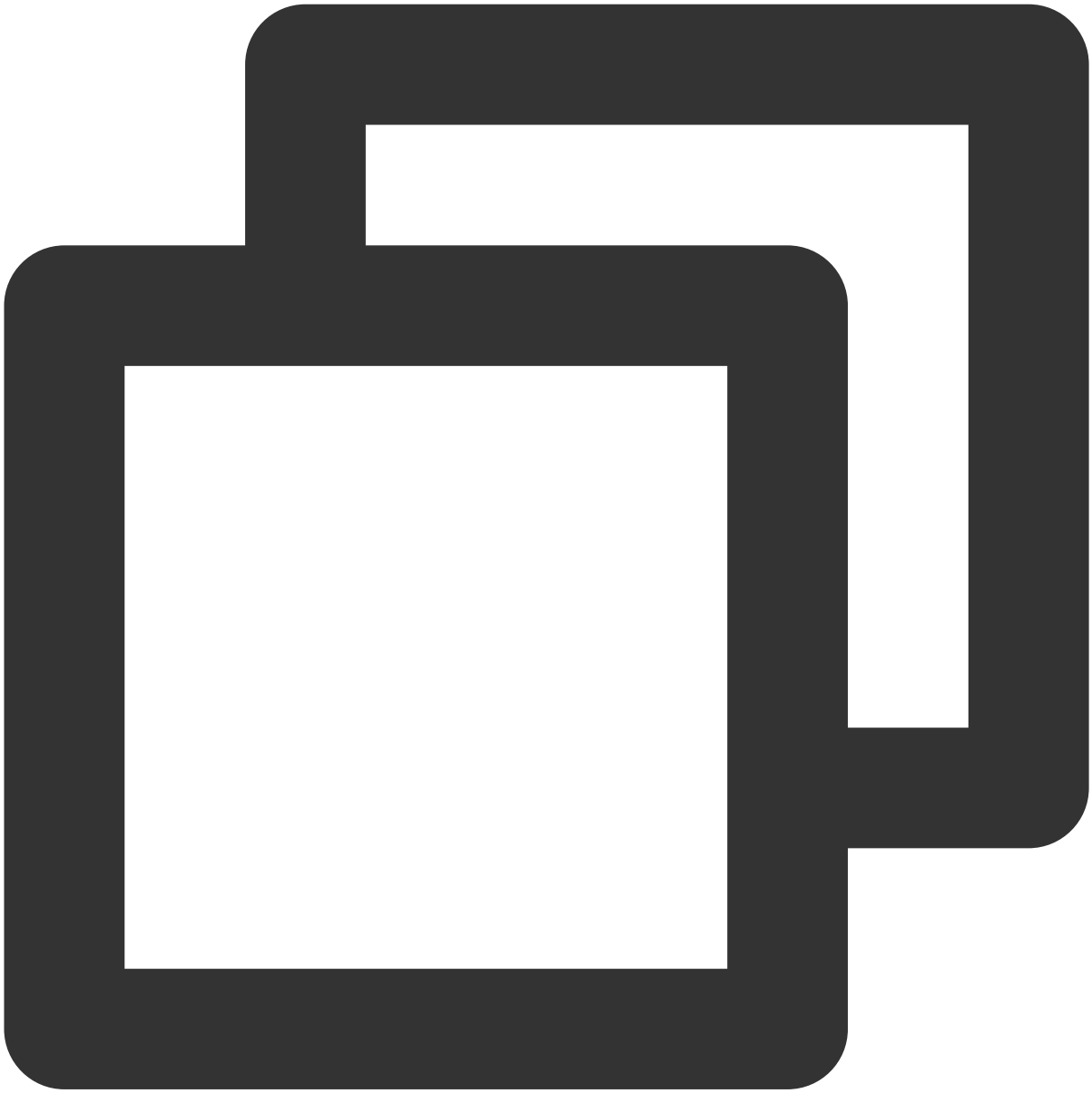

```
{
  "UserProfileItem":
  [
      {
          "To_Account":"id1",
          "ProfileItem":
          [
              {
                  "Tag":"Tag_Profile_IM_Nick",
                  "Value":"NickNameTest1"
              },
```

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```
            {
                "Tag":"Tag_Profile_IM_AllowType",
                "Value":"AllowType_Type_NeedConfirm"
            },
            {
                "Tag":"Tag_Profile_IM_SelfSignature",
                "Value":"I'm Test1"
            },
            {
                "Tag":"Tag_Profile_Custom_Test",
                "Value":"Custom Data1"
            }
        ],
        "ResultCode":0,
        "ResultInfo":""
    },
    {
        "To_Account":"id2",
        "ProfileItem":
        [
            {
                "Tag":"Tag_Profile_IM_Nick",
                "Value":"NickNameTest2"
            },
            {
                "Tag":"Tag_Profile_IM_AllowType",
                "Value":"AllowType_Type_DenyAny"
            },
            {
                "Tag":"Tag_Profile_IM_SelfSignature",
                "Value":"I'm Test2"
            },
            {
                "Tag":"Tag_Profile_Custom_Test",
                "Value":"Custom Data2"
            }
        ],
        "ResultCode":0,
        "ResultInfo":""
    },
    {
        "To_Account":"id3",
        "ProfileItem":
        [
            {
                "Tag":"Tag_Profile_IM_Nick",
                "Value":"NickNameTest3"
```


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```
                },
                {
                    "Tag":"Tag_Profile_IM_AllowType",
                    "Value":"AllowType_Type_AllowAny"
                },
                {
                    "Tag":"Tag_Profile_IM_SelfSignature",
                    "Value":"I'm Test3"
                },
                {
                    "Tag":"Tag_Profile_Custom_Test",
                    "Value":"Custom Data3"
                }
            ],
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id4",
            "ResultCode":40006,
            "ResultInfo":"Err_Profile_PortraitGet_Read_Custom_Data_Fail"
        }
    ],
    "Fail_Account":["id4"],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```


Response fields

Field	Type	Description
UserProfileItem	Array	Structured information of the returned user profile.
To_Account	String	UserID of a user.
ProfileItem	Array	The returned user profile object array. Each object in the array contains a tag and a value.
Tag	String	The returned profile object name. The profile objects include: 1. Standard profile fields. For more information, see Standard Profile Fields 2. Custom profile fields. For more information, see Custom Profile Fields.
Value	uint64_t/string/bytes	The value of a pulled profile object. For more information, see

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		Profile Fields.
ResultCode	Integer	The processing result of To_Account. 0: Succeeded. Other values: Failed.
ResultInfo	String	Error description of `To_Account`. This field is empty if the request is successful.
Fail_Account	Array	List of users whose processing failed. This field is only returned when at least one user fails.
ActionStatus	String	The result of the request. `OK` means the request was successful. `FAIL` means the request failed.
ErrorCode	Integer	Error code. `0`: Successful; other values: Failed
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
40001	Incorrect request parameter. Check your request according to the error description.
40002	Request parameter error. To_Account is not specified.
40003	The requested account does not exist.
40004	The request requires app admin permission.
40006	Internal server error. Try again later.
40007	No permission to read profile fields. For more information, see Profile Fields.
40009	The tag of a profile field does not exist.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

References

Configuring Profiles (v4/profile/portrait_set).

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User Status

Invalidating Account Login States

Last updated：2024-07-16 11:25:50

Feature Description

This API is used to invalidate the login state (for example, UserSig) of an app account.
For example, when a developer finds a malicious account, the developer can call this API to invalidate the user's login state. When the user uses the original UserSig state to log in to IM, the login fails.

Note

After a user's login state is invalidated using this API, the user can use a newly generated UserSig state to log in to IM.
This API can invalidate only one account at a time.

Call Description

Example request URL

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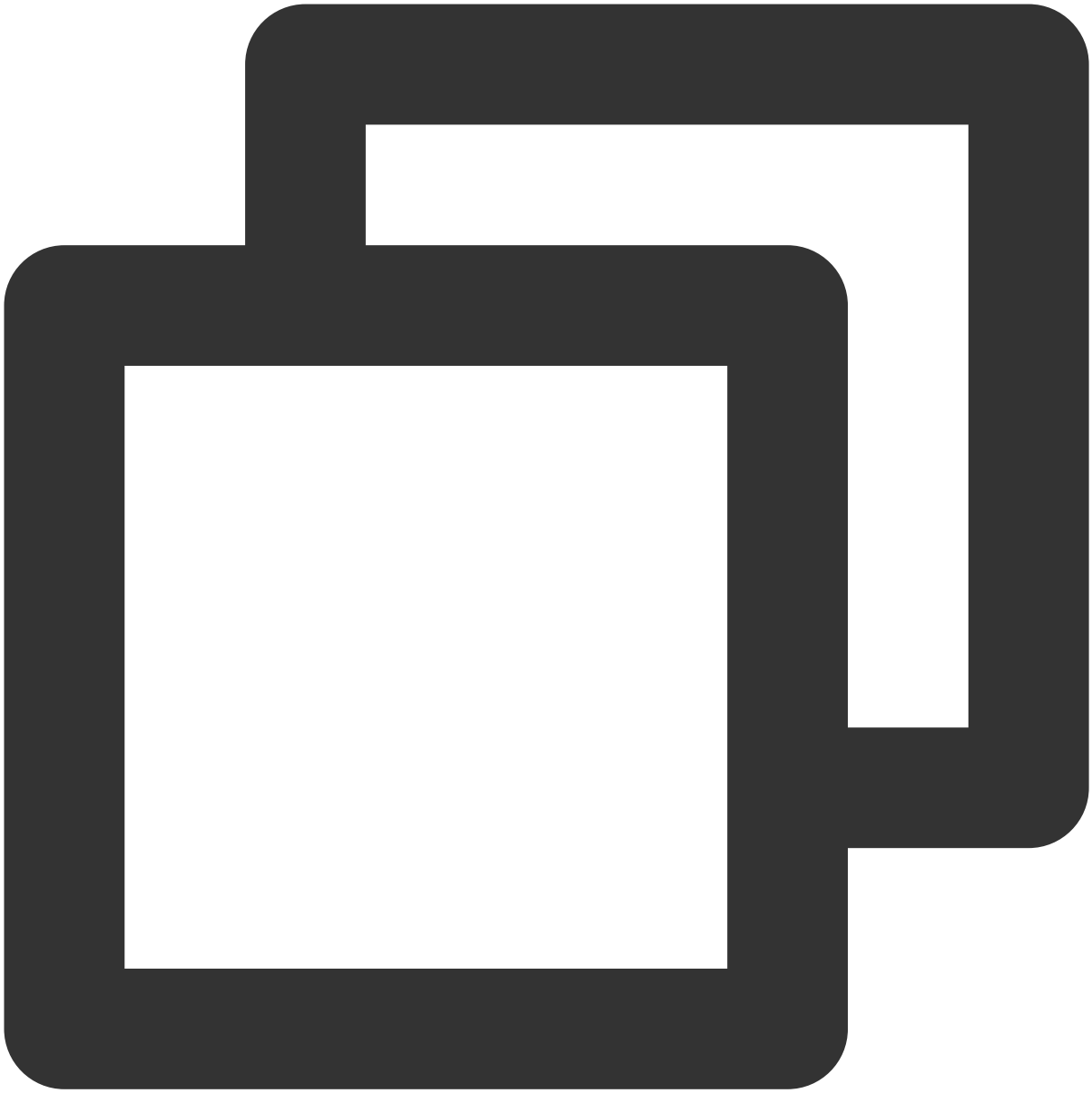

```
https://xxxxxx/v4/im_open_login_svc/kick?sdkappid=88888888&identifier=admin&usersig
```

Request parameters

The following table only describes the parameters that are modified when this API is called. For more information on other parameters, see RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/im_open_login_svc/kick	The request API.
sdkappid	The SDKAppID assigned by the IM console when an app is created.
identifier	The value of this parameter must be an app admin account. For more information, see App Admin.
usersig	The signature generated by the app admin account. For details on the operation, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is always `json` .

Maximum call frequency

200 times/second

Example request packet

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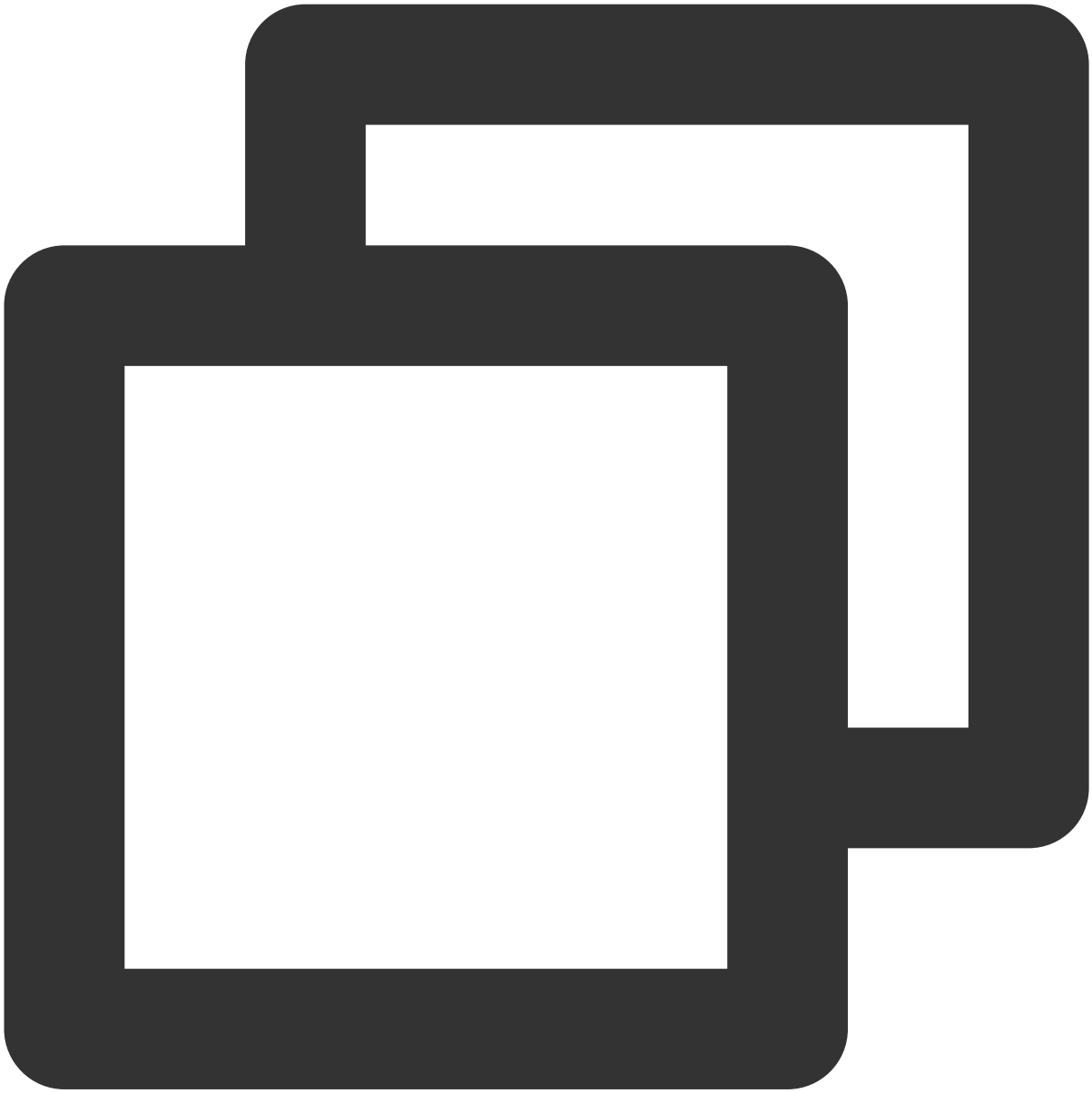

```
{
   "UserID":"test"
}
```

Request packet fields

Field	Type	Attribute	Description
UserID	String	Required	Username

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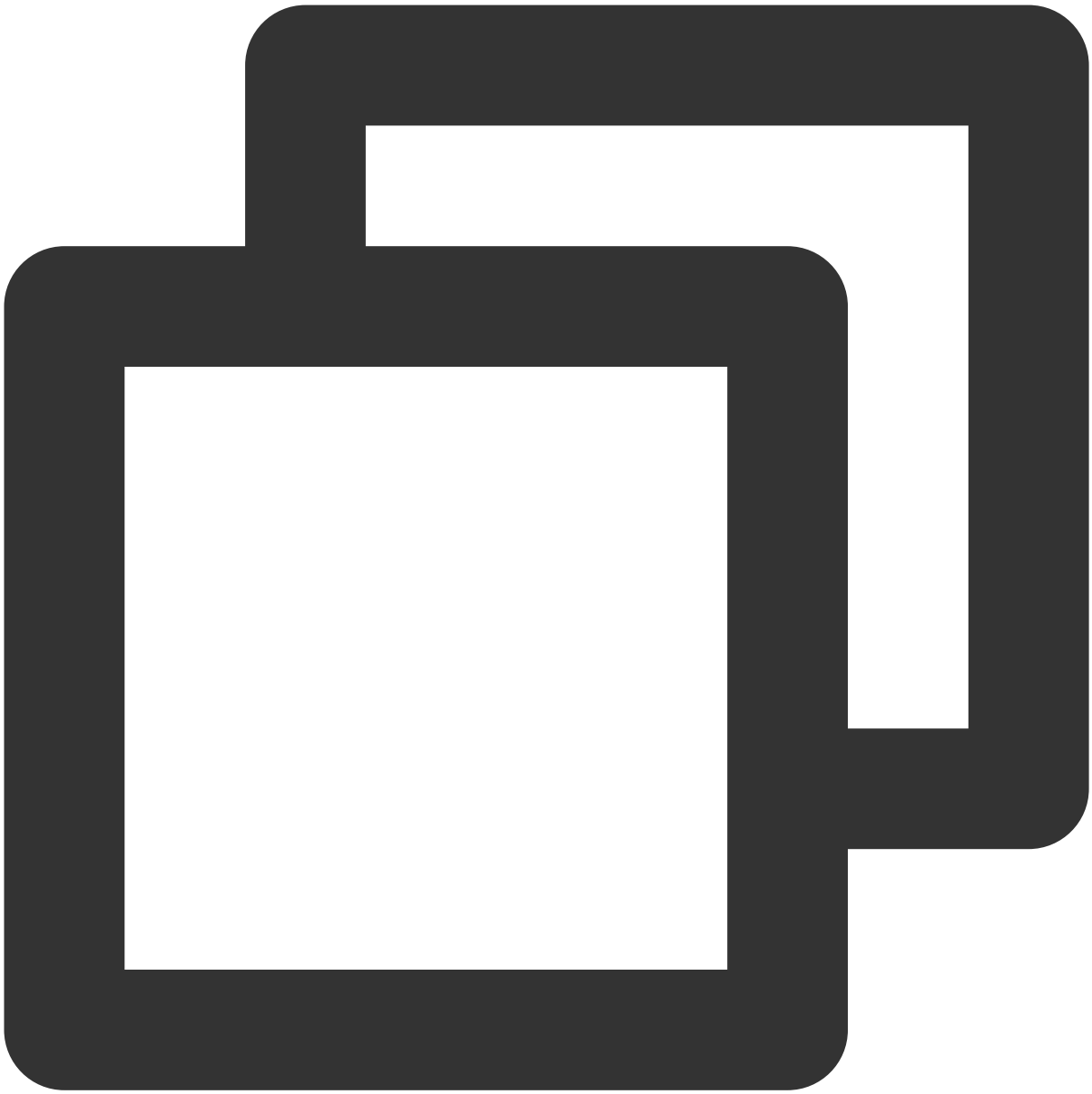
Example response packet



```
{
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode":0
}
```

Response packet fields

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Field	Type	Description
ActionStatus	String	The request processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	The error code. 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packet represent the actual error code and error information.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API.

Error Code	Description
70107	The requested user account does not exist.
70169	An internal server timeout has occurred. Please try again later.
70402	The parameters are invalid. Check whether required fields are specified and specified fields meet protocol requirements.
70403	The request requires app admin permissions.
70500	An internal server error has occurred. Please try again later.

Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Importing an account (v4/im_open_login_svc/account_import)

Importing multiple accounts (v4/im_open_login_svc/multiaccount_import)

Deleting accounts (v4/im_open_login_svc/account_delete)

Querying accounts (v4/im_open_login_svc/account_check)

Querying the online status of an account (v4/openim/query_online_status)

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Querying Account Online Status

Last updated：2024-07-16 11:25:50

Feature Description

This API is used to query the current login status of a user.

API Call Description

Sample request URL

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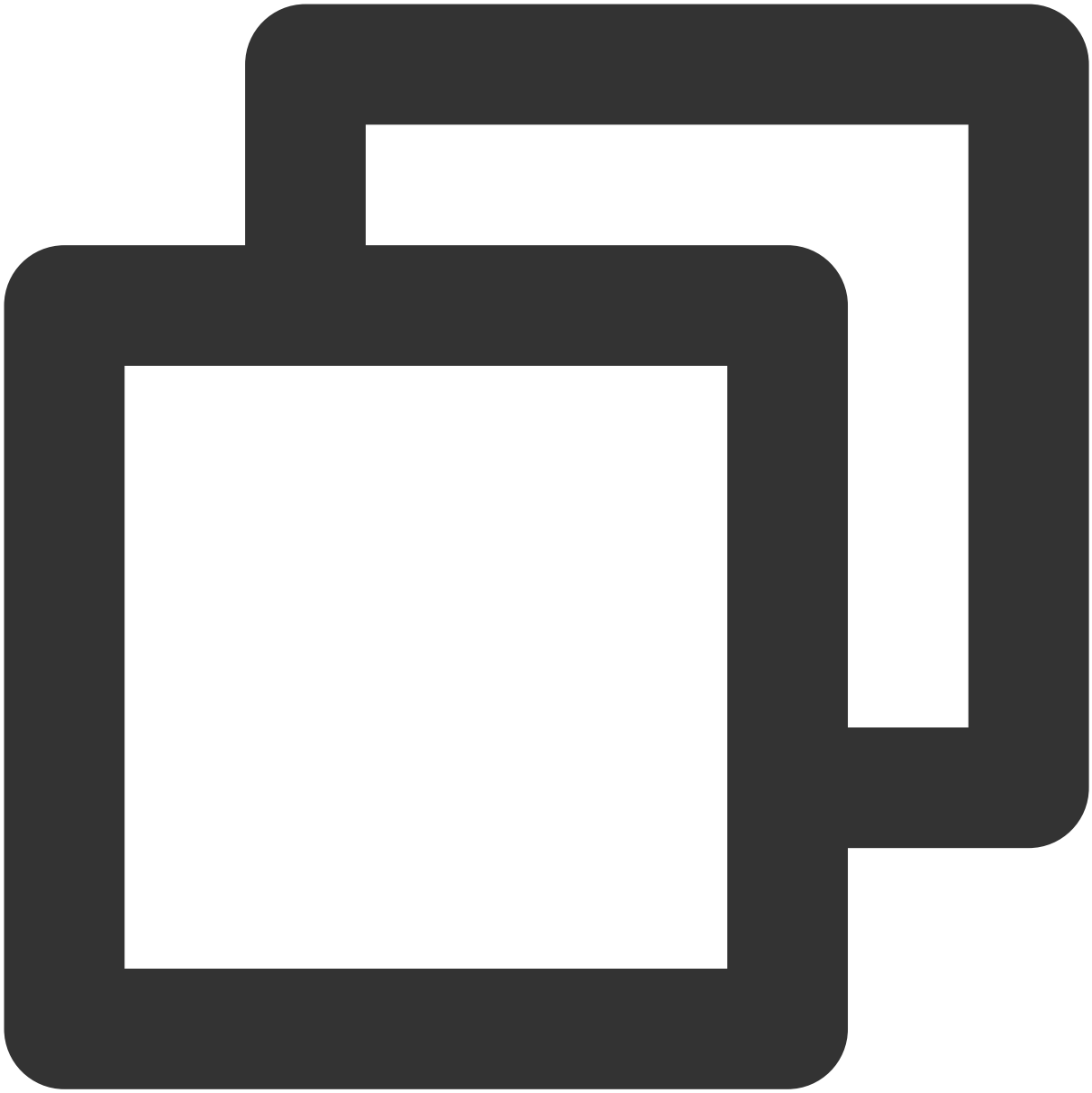

```
https://xxxxxx/v4/openim/query_online_status?sdkappid=88888888&identifier=admin&use
```

Request parameters

The following is a list of the parameters commonly used when calling this API and their descriptions. For more parameters, see the RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim/query_online_status	The request API that is used.
sdkappid	The SDKAppID assigned via the IM console when the application is created.
identifier	The value must be the app admin account. For more information, see App Admin.
usersig	The signature generated by the app admin account. For more information on the operation, see Generating UserSig.
random	The value must be a random 32-bit unsigned integer. Value range: 0 to 4294967295.
contenttype	Request format. The value is always `json` .

Maximum call frequency

This API can be called up to 200 times per second.

Sample request packets

When detailed login platform information is not needed

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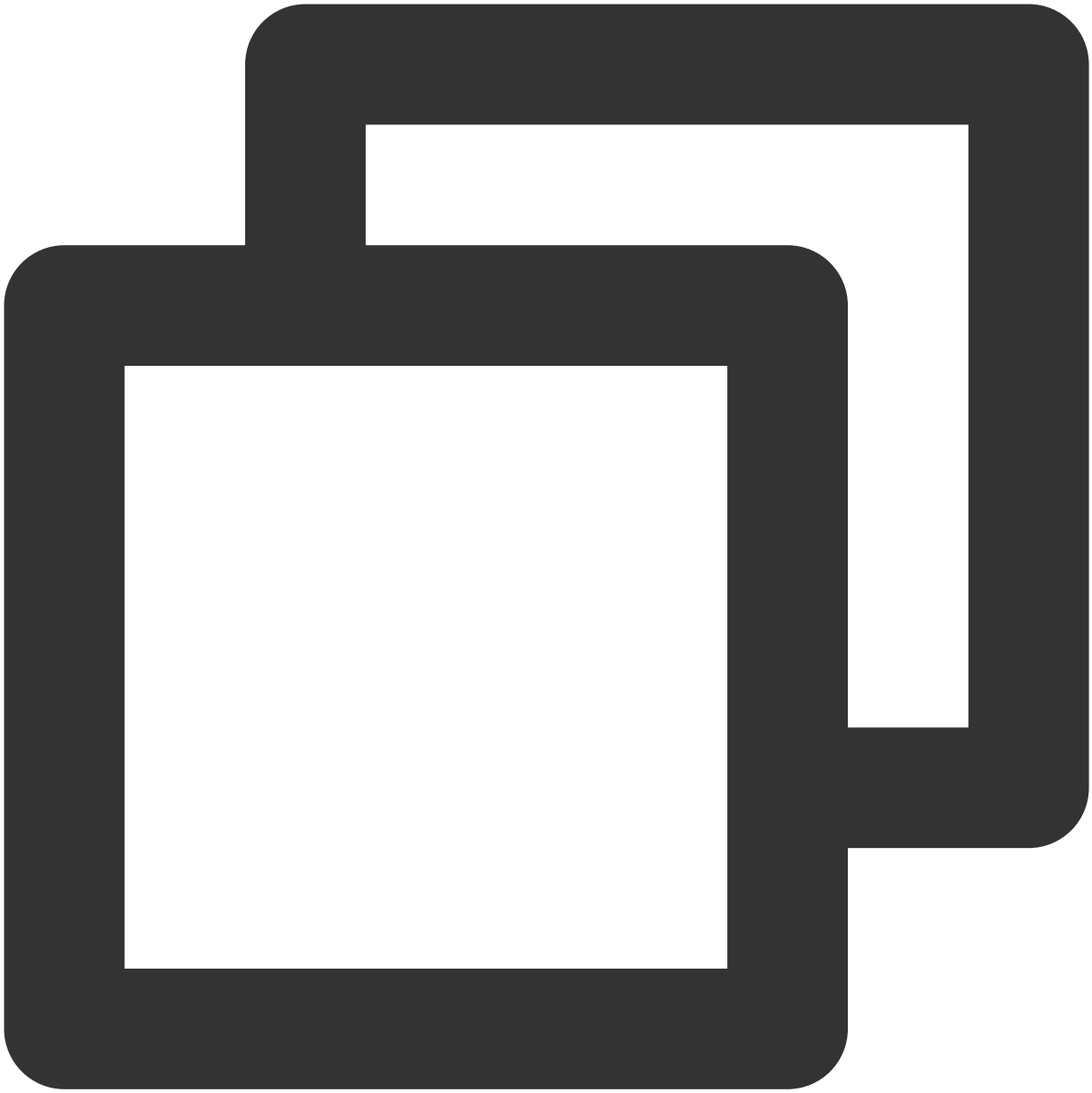

```
{
    "To_Account":["id1","id2","id3","id4"],
}
```

When detailed login platform information is needed

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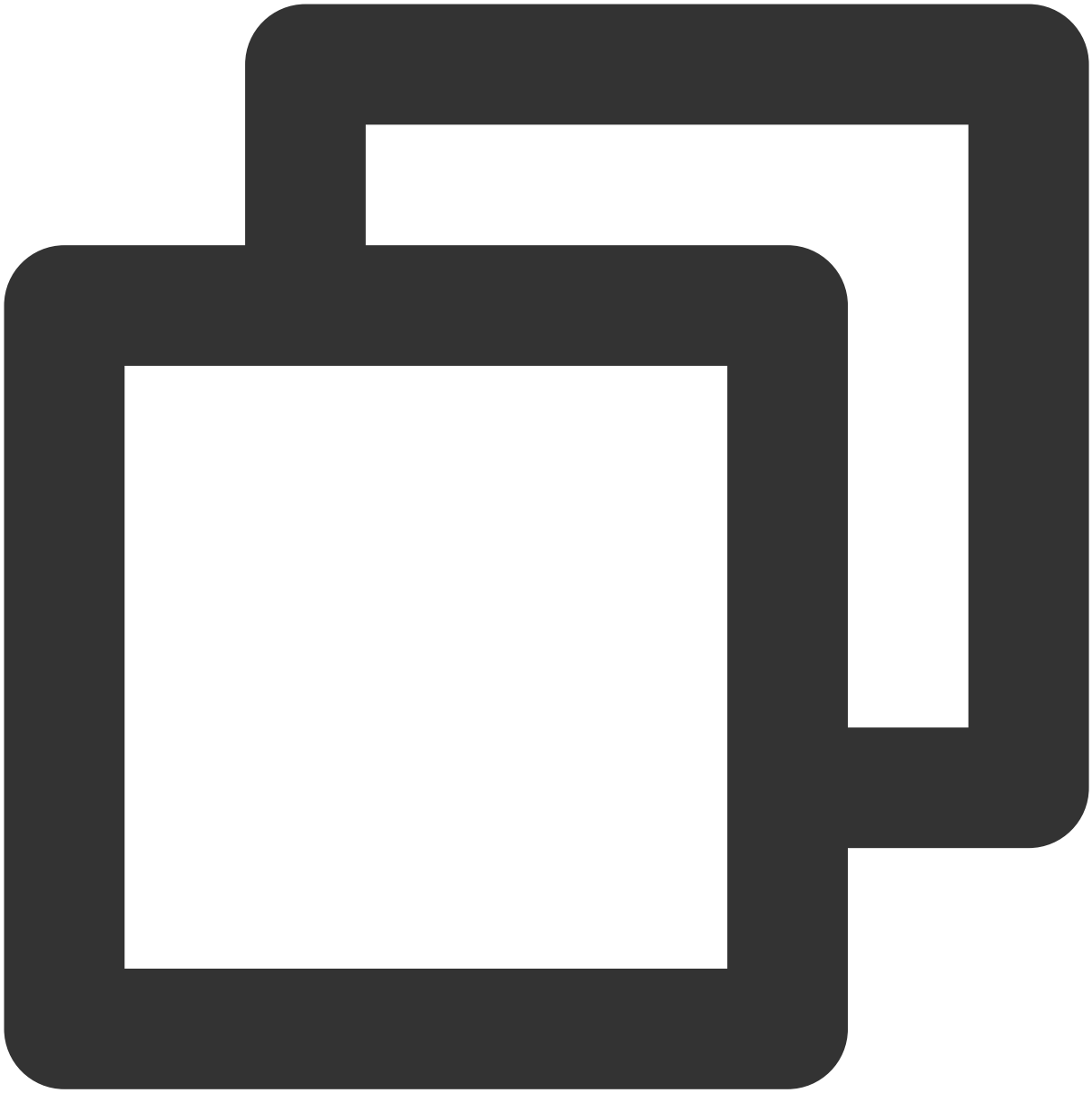

```
{
    "IsNeedDetail": 1,
    "To_Account": ["id1", "id2", "id4"]
}
```

Request packet fields

Field	Type	Property	Description
To_Account	Array	Required	The one or more UserIDs whose login statuses are to be queried. This

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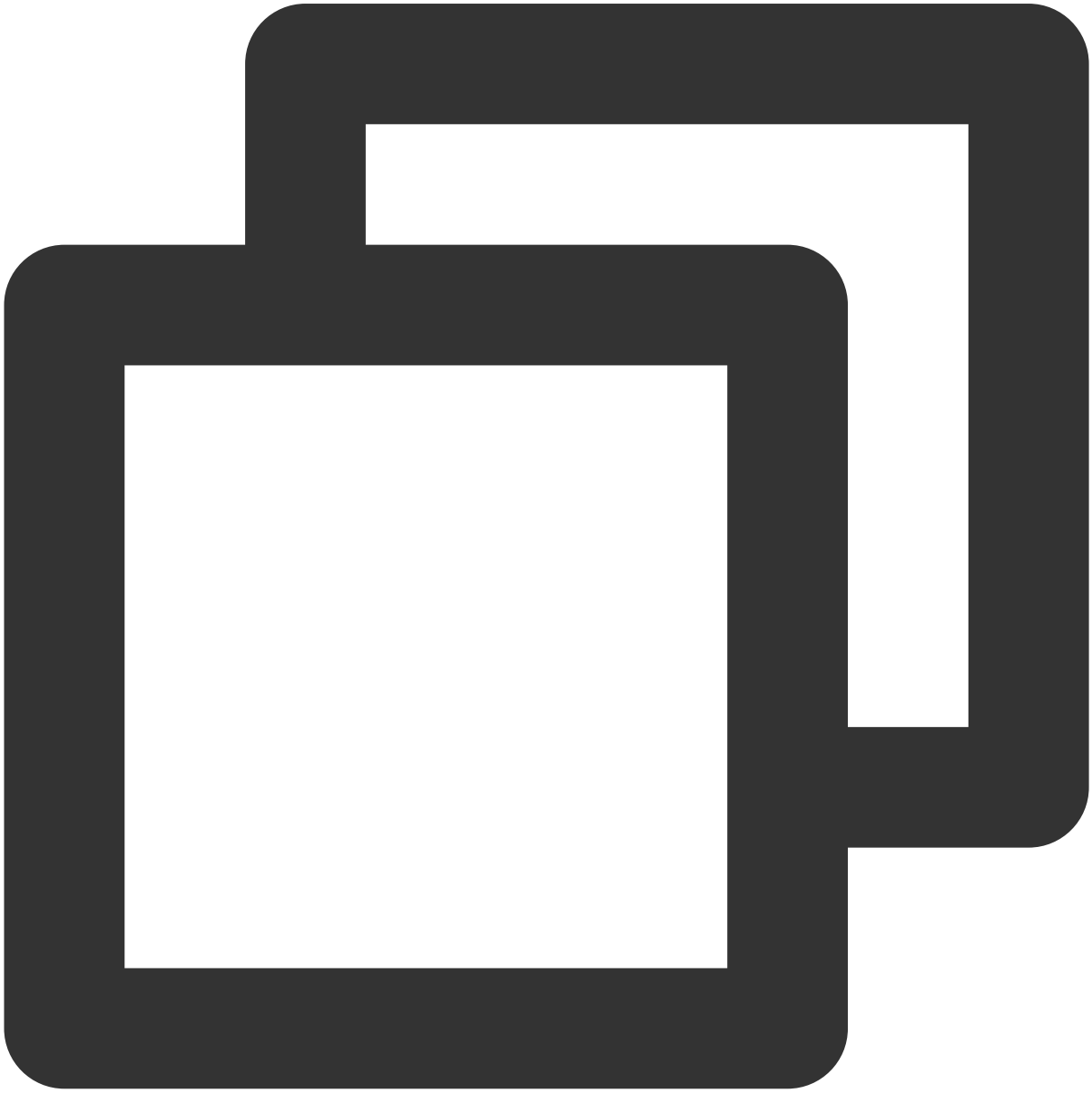
			API can be used to query the login statuses of up to 500 UserIDs at a time.
IsNeedDetail	Integer	Optional	Specifies whether detailed login platform information is needed in the response. 0: not needed. 1: needed.

Sample response packet body

When detailed login platform information is not needed



```
{
```

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```
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode": 0
    "QueryResult": [
        {
            "To_Account": "id1",
            "State": "Offline"
        },
        {
            "To_Account": "id2",
            "State": "Online"
        },
        {
            "To_Account": "id3",
            "State": "PushOnline"
        }
    ],
    "ErrorList": [
        {
            "To_Account": "id4",
            "ErrorCode": 70107
        }
    ]
}
```

When detailed login platform information is needed

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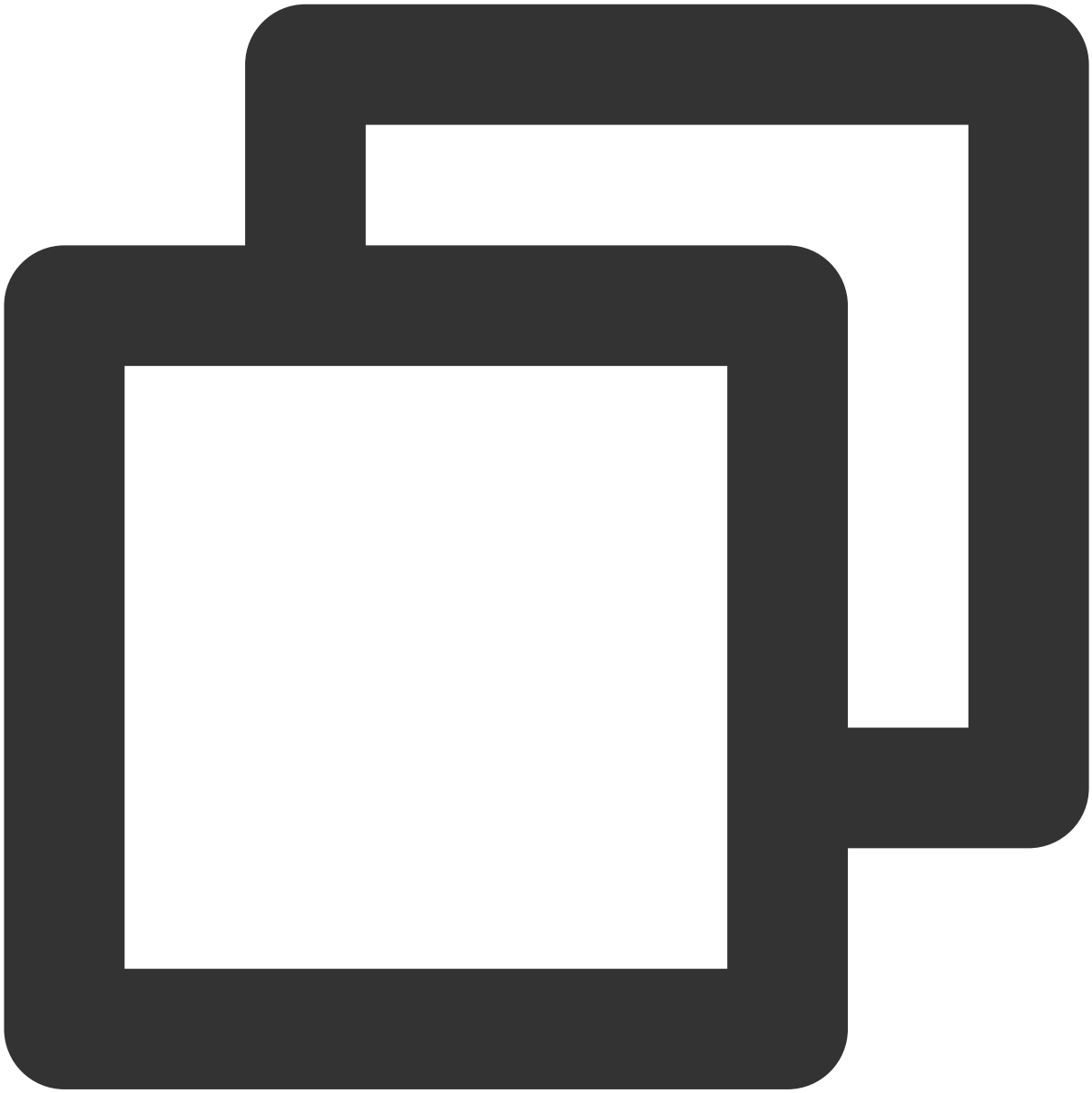

```
{
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode": 0
    "QueryResult": [
        {
            "To_Account": "id1",
            "State": "Online",
            "Detail": [
                {
                    "Platform": "IPhone",
```

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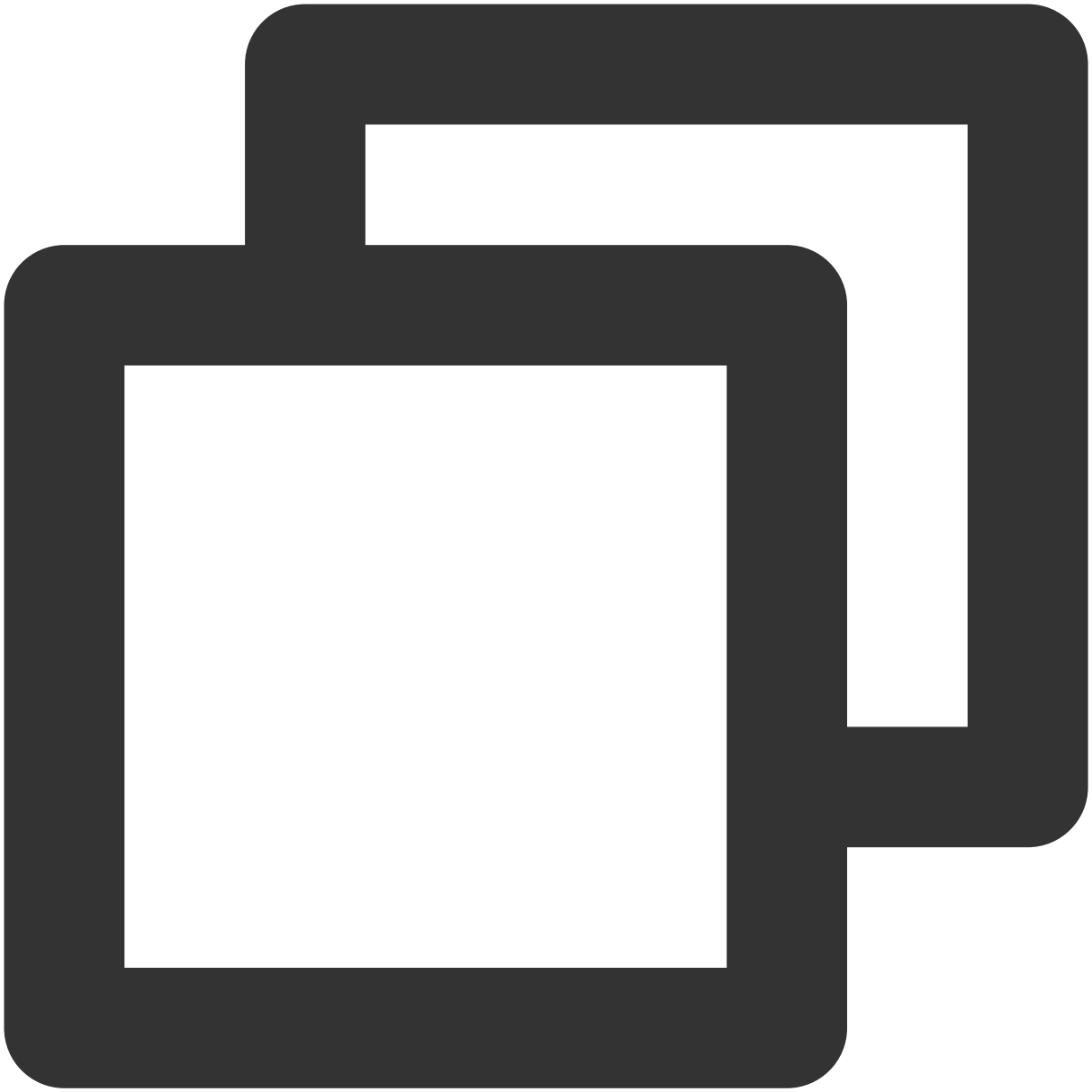
```
                    "Status": "PushOnline"
                },
                {
                    "Platform": "Web",
                    "Status": "Online"
                }
            ]
        },
        {
            "To_Account": "id2",
            "State": "Offline",
        }
    ],
    "ErrorList": [
        {
            "To_Account": "id4",
            "ErrorCode": 70107
        }
    ]
}
```

Request error



```
{
    "ActionStatus": "FAIL",
    "ErrorInfo": "Fail to Parse json data of body, Please check it",
    "ErrorCode": 90001
}
```

Response packet fields

Field	Type	Description

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ActionStatus	String	The processing result of the request. OK: succeeded. FAIL: failed.
ErrorInfo	String	Detailed information on the error.
ErrorCode	Integer	The error code returned for the request. If the status query for any account succeed, the value is 0. If the query for all the accounts failed, the return value is not 0.
QueryResult	Array	The returned structured information of the login status of the user.
QueryResult.To_Account	String	The UserID of the user whose status is returned.
QueryResult.Status	String	The returned login status. Valid values: Online: after the user logs in to the client, the client remains in a persistent connection with the IM backend. PushOnline: the client enters the PushOnline state when the iOS or Android process is disconnected due to a network error or is killed by the operating system. In this state, the client still can receive offline messages. However, if the client's process is not terminated by the operating system after the client is switched to the background, the client is in Online state. Offline: the user has logged out of the client properly or has not logged in to the client for at least 7 days since the last login. If the user logs in to the client on multiple devices, the value is Online provided that the client is in the Online state on any device.
QueryResult.Detail	Object	The detailed information on the login platform.
QueryResult.Detail.Platform	String	The type of the login platform. Valid values: "iPhone", "Android", "Web", "PC", "iPad", and "Mac".
ErrorList	Array	The list of accounts whose statuses failed to be queried. The target accounts in this list were not found or their statuses failed to be queried. If the status query for all accounts succeeded, the value of the ErrorList field is blank.
ErrorList.To_Account	String	The target account whose status failed to be queried.
ErrorList.ErrorCode	Integer	The error code indicating that the status query failed. If the error code for a target account is 70107, the account was not found.

Caution

The IM backend stores the PushOnline state for only 7 days. If a user has not logged in to the client within 7 days since the previous login, the user enters the Offline state.

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Error Codes

The HTTP return code for this API is 200 unless an network error such as error 502 occurs. The actual error code and error information are indicated by ErrorCode and ErrorInfo respectively in the response packet body.
For public error codes 60000 to 79999, see Error Codes.
The private error codes for this API are as follows:

Error Code	Description
70107	The requested UserID does not exist.
70169	The server timed out. Try again later.
90001	JSON format parsing failed. Check whether the request packet meets the JSON specification, or whether To_Account is a null array.
90003	The value of the To_Account field in the JSON format request packet does not meet the message format requirements. Please check whether the type of the To_Account field is String.
90009	The request requires the app admin's permissions.
90011	The number of target accounts to which the message is to be sent exceeds 500. Reduce the number of target accounts in To_Account.
90992	The backend service timed out. Please try again.
90994	An internal service error occurred. Please try again.
90995	An internal service error occurred. Please try again.
91000	An internal service error occurred. Please try again.

API Debugging Tool

To debug this API, you can use the Online RESTful API Debugging Tool.

References

Importing an Account (v4/im_open_login_svc/account_import)
Batch Importing Multiple Accounts (v4/im_open_login_svc/multiaccount_import)
Deleting an Account (v4/im_open_login_svc/account_delete)

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Querying an Account (v4/im_open_login_svc/account_check)

Invalidating the Login Status of an Account (v4/im_open_login_svc/kick)

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Friend Management
Adding Friends

Last updated：2024-08-20 17:03:40

Feature Overview

This API is used to add one or multiple users to the friend list.

API Calling Description

Sample request URL

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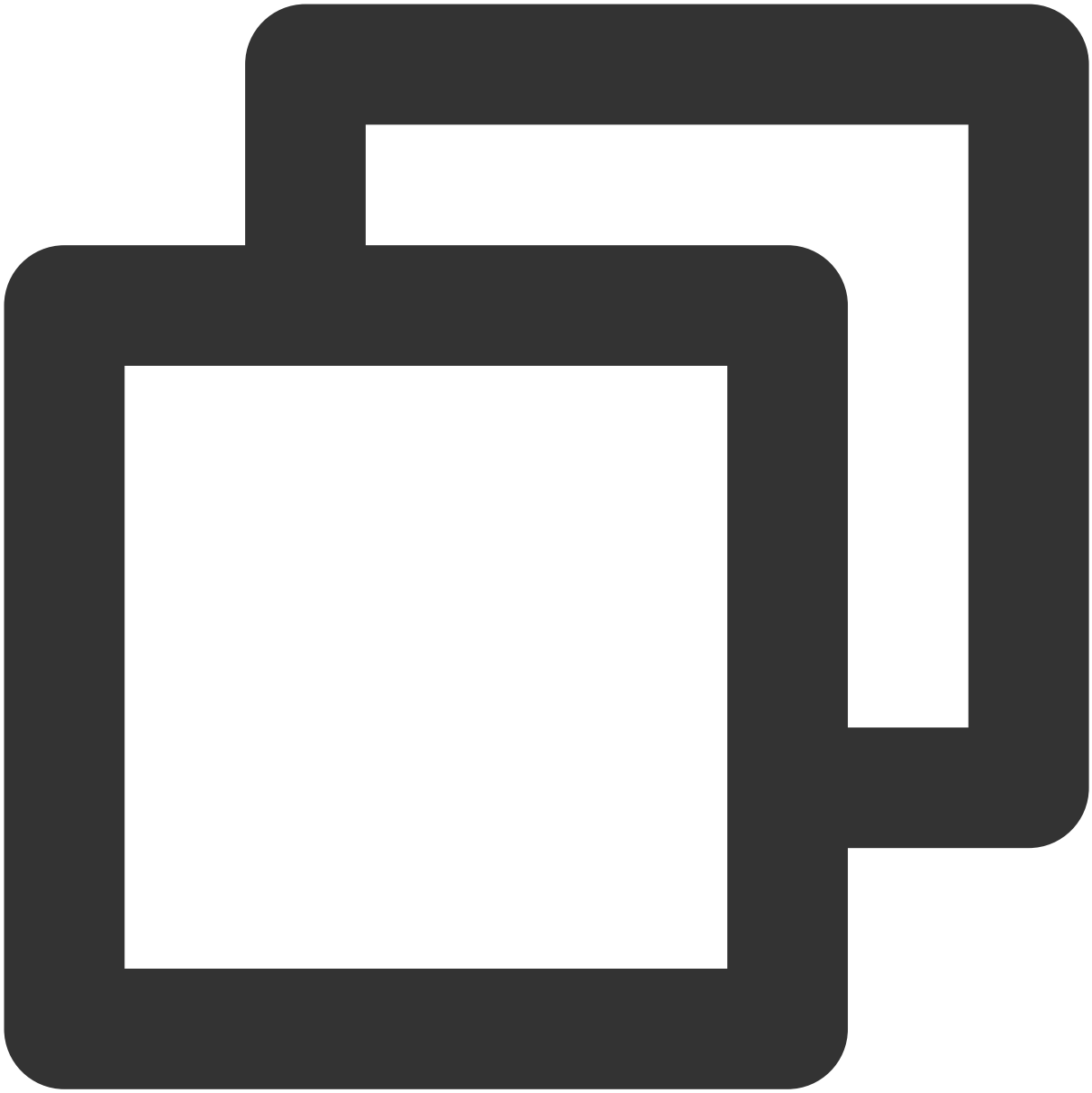

```
https://xxxxxx/v4/sns/friend_add?sdkappid=88888888&identifier=admin&usersig=xxx&ran
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/sns/friend_add	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

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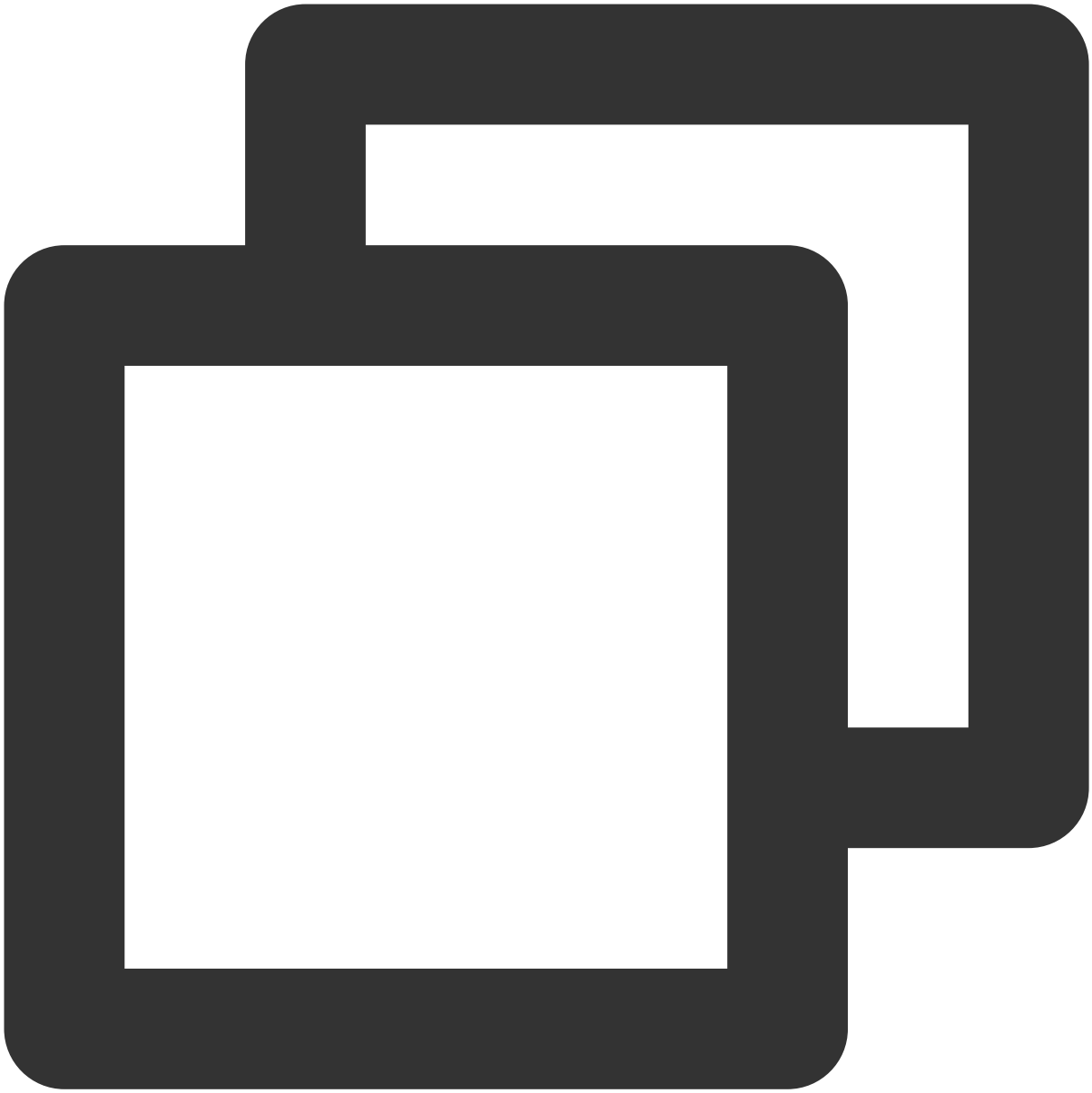

```
{
  "From_Account":"id",
  "AddFriendItem":
  [
      {
          "To_Account":"id1",
          "AddSource":"AddSource_Type_XXXXXXXX"
      }
  ]
}
```

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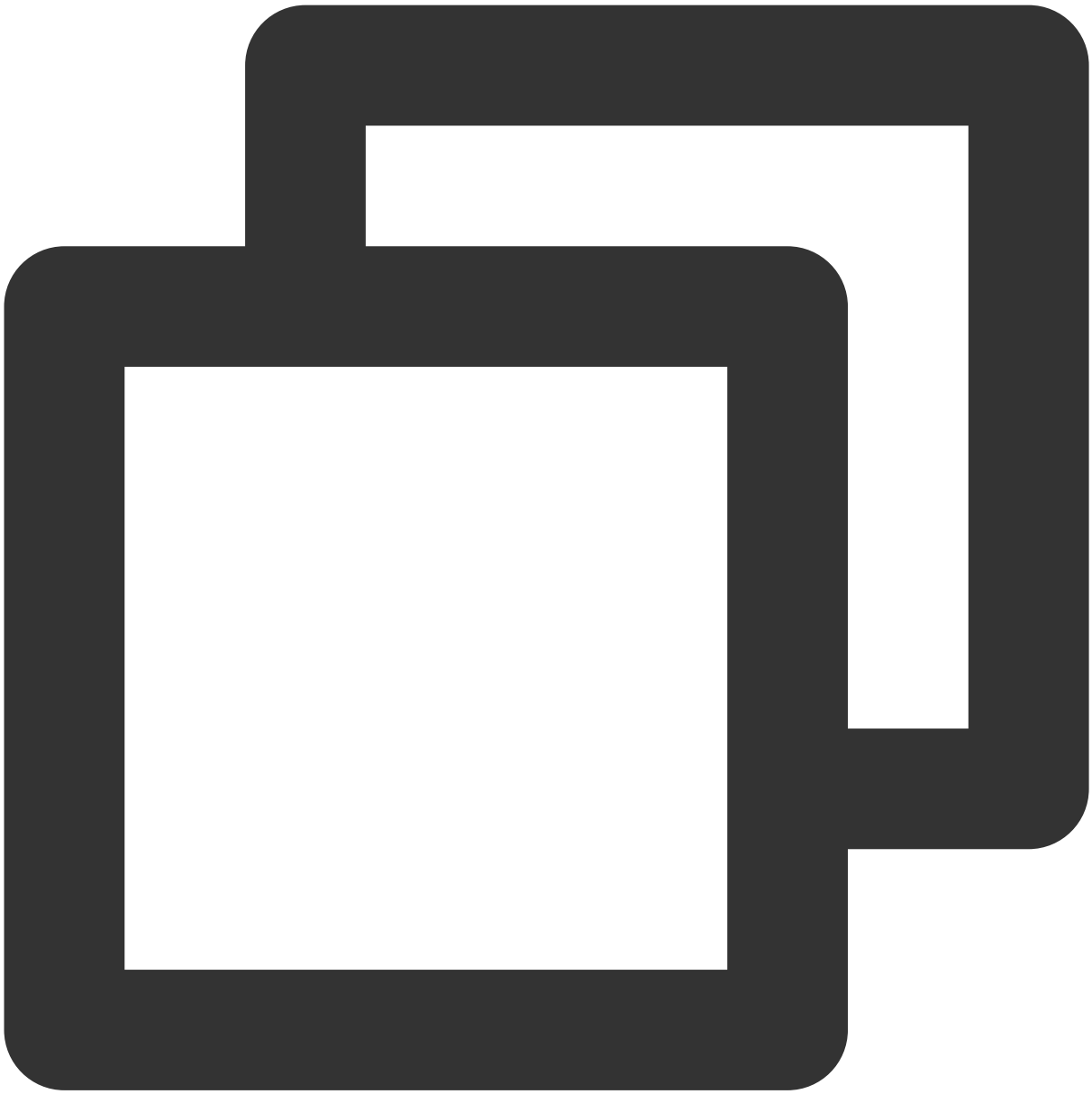
Response to a complete request



```
{
  "From_Account":"id",
  "AddFriendItem":
  [
      {
          "To_Account":"id1",
          "Remark":"remark1",
          "GroupName":"Classmates", // Each user can only be assigned to one friend
          "AddSource":"AddSource_Type_XXXXXXXX",
```

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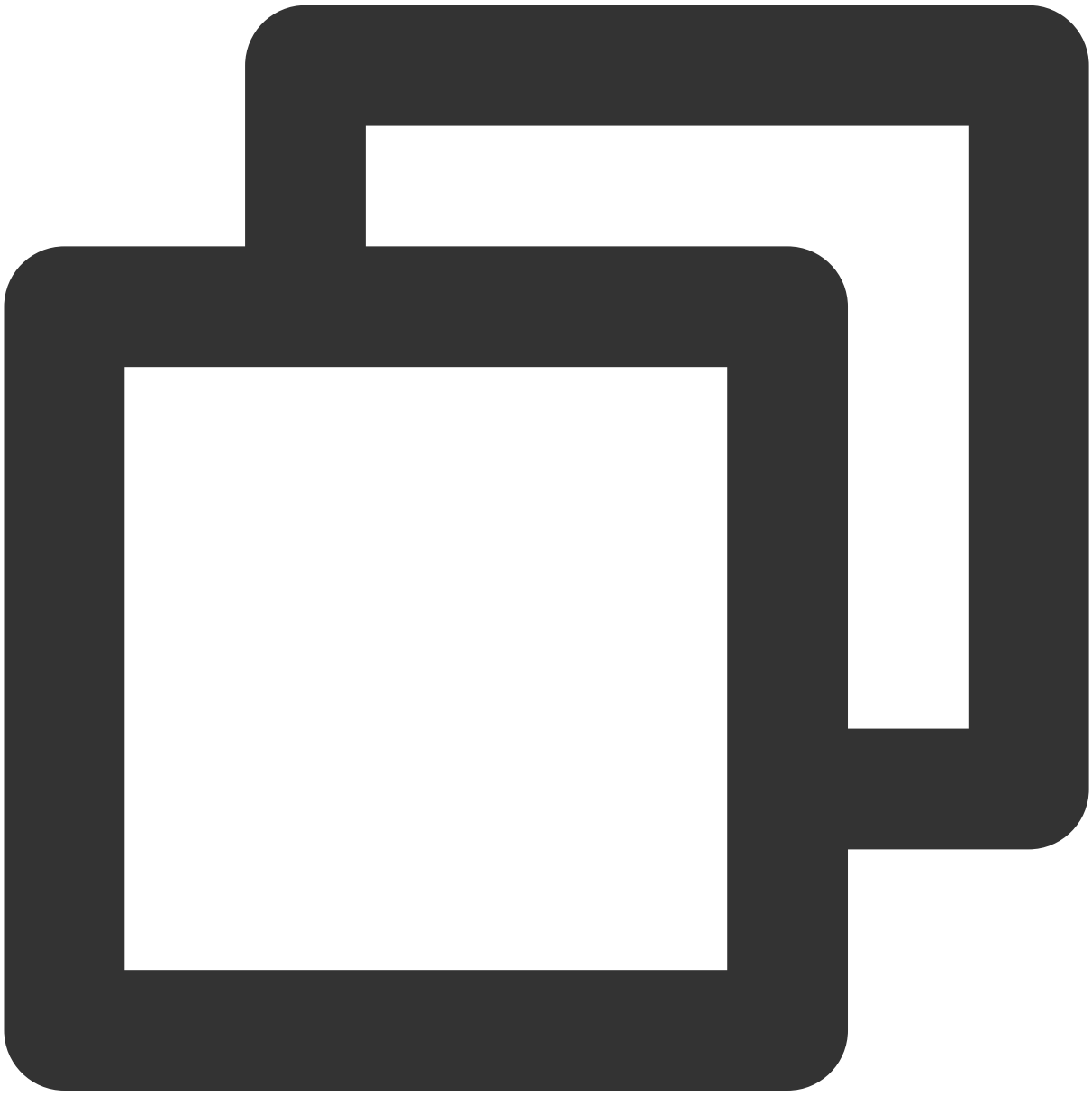
```
            "AddWording":"I'm Test1"
        }
    ],
    "AddType":"Add_Type_Both",
    "ForceAddFlags":1
}
```

Response to a batch request



```
{
    "From_Account":"id",
    "AddFriendItem":
```

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```
    [
        {
            "To_Account":"id1",
            "AddSource":"AddSource_Type_XXXXXXXX"
        },
        {
            "To_Account":"id2",
            "Remark":"remark2",
            "GroupName":"Classmates", // Each user can only be assigned to one friend
            "AddSource":"AddSource_Type_XXXXXXXX",
            "AddWording":"I'm Test2"
        },
        {
            "To_Account":"id3",
            "Remark":"remark3",
            "GroupName":"Colleagues", // Each user can only be assigned to one friend
            "AddSource":"AddSource_Type_XXXXXXXX",
            "AddWording":"I'm Test3"
        }
    ],
    "AddType":"Add_Type_Both",
    "ForceAddFlags":1
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID that initiates the request.
AddFriendItem	Array	Yes	An array of friend objects.
To_Account	String	Yes	The UserID to add as a friend.
Remark	String	No	Friend remarks set by `From_Account` for `To_Account`. For more information, see the **Standard friend fields** section in Contacts Management.
GroupName	String	No	The friend list that the user who initiates the friend request assigns to the user to be added. Each user can only be assigned to one friend list. Therefore, we can use the `String` data type. For details, see the standard friend fields section in Contacts Management.
AddSource	String	No	Source from which a friend is added. For more information, see the `Standard friend fields` section in Contacts Management.

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AddWording	String	No	Remarks that the user who initiates the friend request writes about the user to be added. For details, see the standard friend fields section in Contacts Management.
AddType	String	No	Friend adding type: Add_Type_Single: one-sided Add_Type_Both (default): mutual
ForceAddFlags	Integer	No	Flag denoting the friend is force added by an administrator: 1 means force added while 0 means the friend is added normally.

Sample response

Response to a basic or complete request

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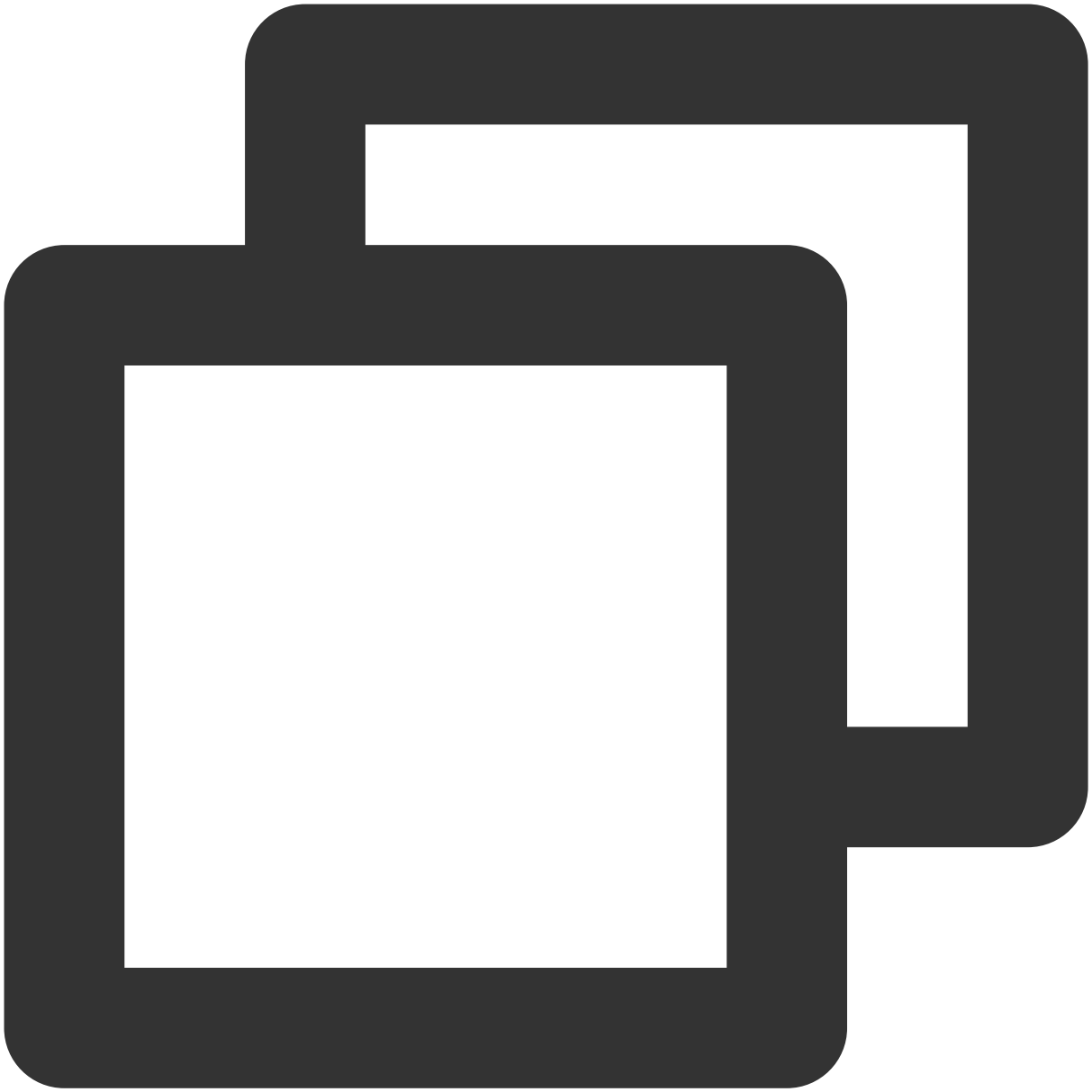


```
{
  "ResultItem":
  [
      {
          "To_Account":"id1",
          "ResultCode":0,
          "ResultInfo":""
      }
  ],
  "ActionStatus":"OK",
  "ErrorCode":0,
```


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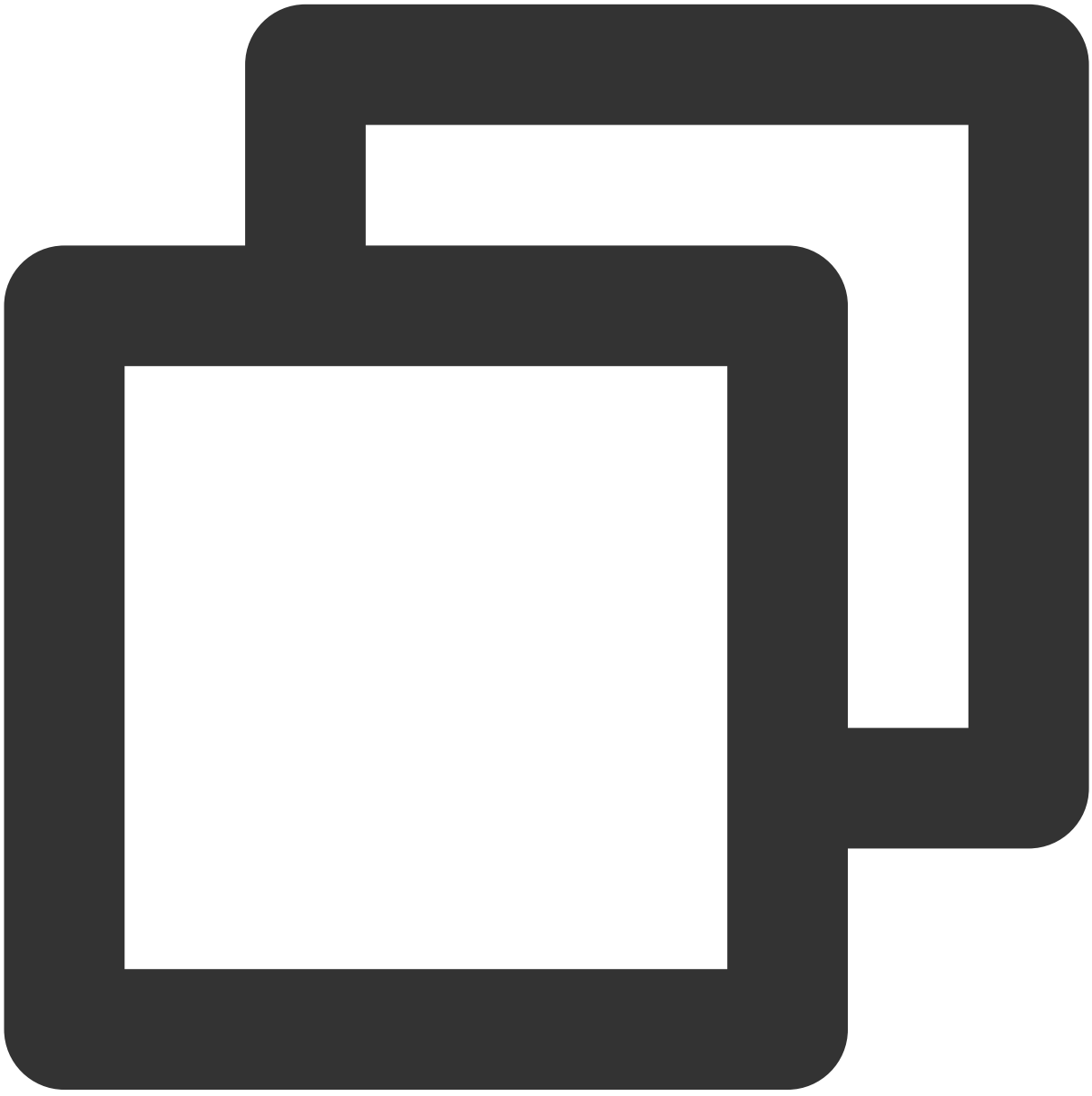
```
   "ErrorInfo":"",
   "ErrorDisplay":""
}
```

Response to a batch request



```
{
   "ResultItem":
   [
       {
           "To_Account":"id1",
           "ResultCode":0,
```

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```
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ResultCode":30006,
            "ResultInfo":"Err_SNS_FriendAdd_Unpack_Profile_Data_Fail"
        },
        {
            "To_Account":"id3",
            "ResultCode":30002,
            "ResultInfo":"Err_SNS_FriendAdd_SdkAppId_Illegal"
        }
    ],
    "Fail_Account":["id2","id3"],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```


Response fields

Field	Type	Description
ResultItem	Array	The result of adding friends in bulk, which is an array of UserIDs and corresponding results.
To_Account	String	The UserID that you requested to add as a friend.
ResultCode	Integer	The result. `0` means success and other values mean failure. For details on non-zero results, see Error Codes.
ResultInfo	String	Error description of `To_Account`. This field is empty if the request is successful.
Fail_Account	Array	List of users whose processing failed. This field is only returned when at least one user fails.
ActionStatus	String	The result of the request. `OK` means the request was successful. `FAIL` means the request failed.
ErrorCode	Integer	Error code. `0`: Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client.

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.
30009	You have been prohibited from adding friends.
30010	Your friend list is full.
30011	The maximum number of friend lists has been reached.
30012	You have too many pending friend requests.
30014	The user you are trying to add has too many friends.
30515	The user you are trying to add is on your blocklist. You cannot add this user.
30516	The user you are trying to add has disabled friend requests.
30525	You have been blocklisted by the user you are trying to add. You cannot add this user.
30539	The user you are trying to add has selected `AllowType_Type_NeeedConfirm` as their friend request authentication method. Your friend request is pending approval. This code is used to

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	differentiate a successful friend request, meaning the friend is added, and a pending friend request, so more helpful messages can be displayed.
30540	You have sent too many friend requests in a short amount of time. Request filtered for security reasons.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Importing Friends (v4/sns/friend_import)
Updating Friends (v4/sns/friend_update)
Deleting Friends (v4/sns/friend_delete)
Deleting All Friends (v4/sns/friend_delete_all)
Verifying Friends (v4/sns/friend_check)
Pulling Friends (v4/sns/friend_get)
Pulling Specified Friends (v4/sns/friend_get_list)

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Importing Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to import one-way friends in batches.

We recommend that you import friends for the same user in batches to avoid write conflicts due to concurrent writes.

API Calling Description

Sample request URL

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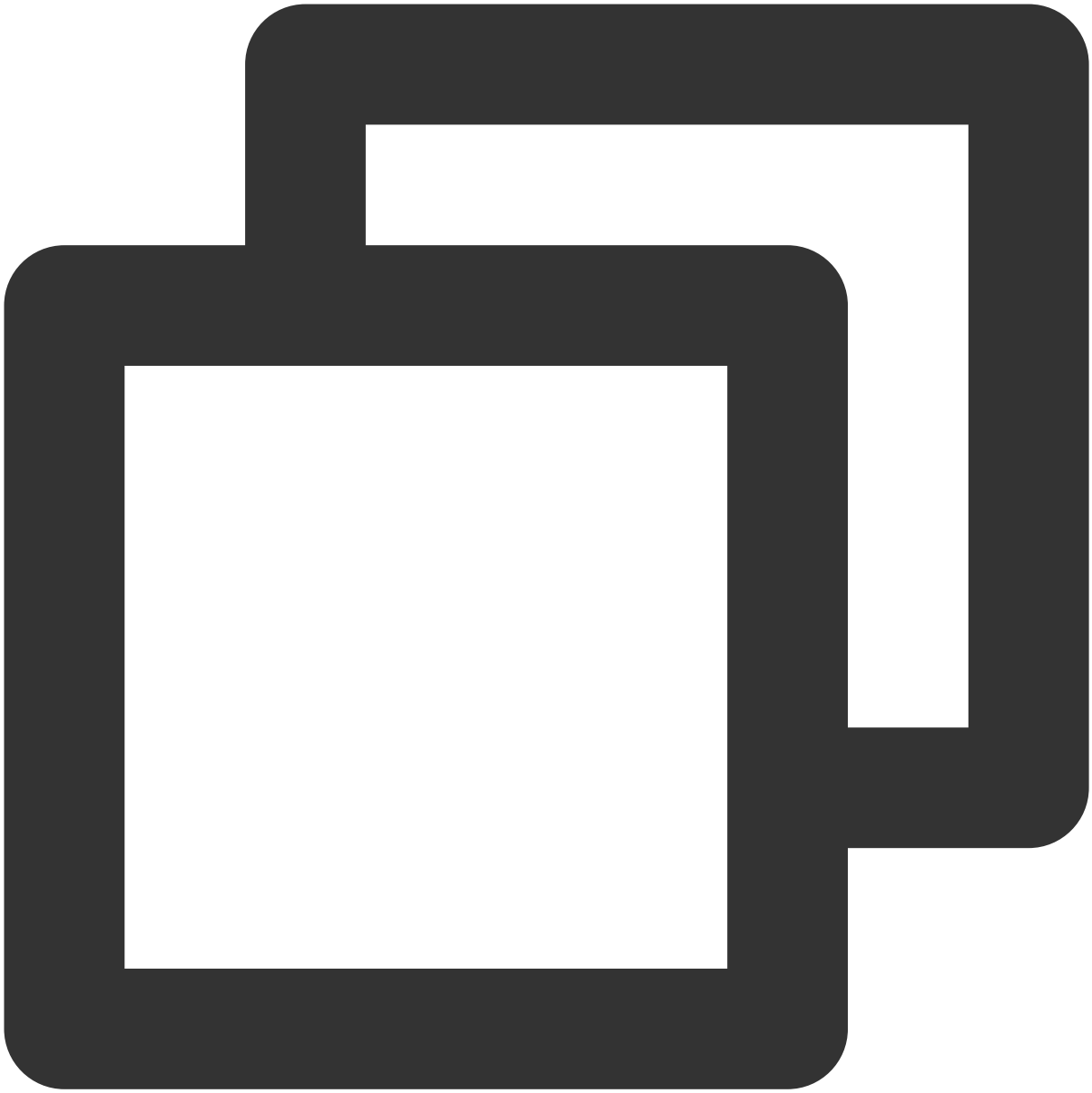

```
https://xxxxxx/v4/sns/friend_import?sdkappid=88888888&identifier=admin&usersig=xxx&
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_import	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

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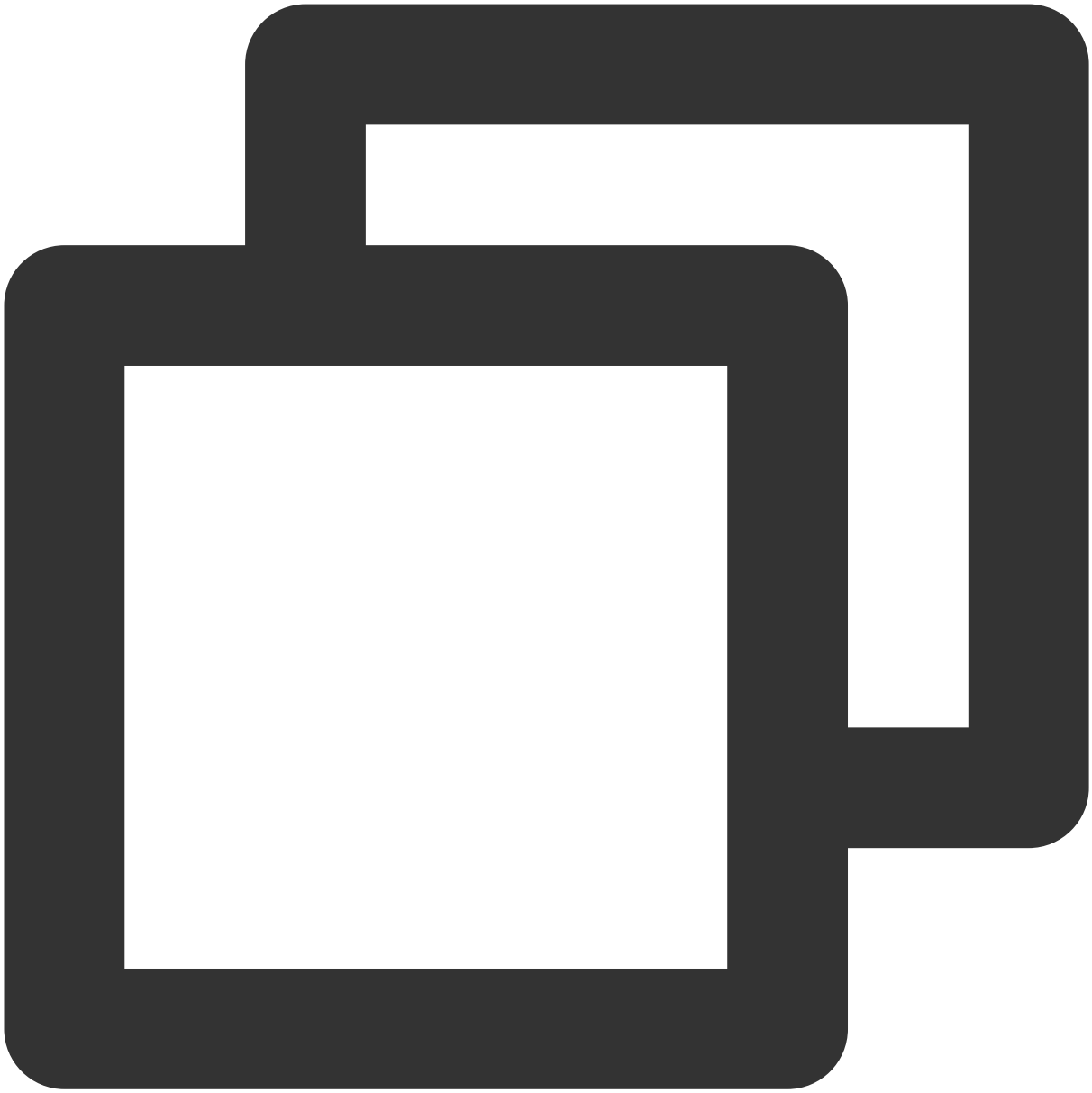

```
{
  "From_Account":"id",
  "AddFriendItem":
  [
      {
          "To_Account":"id1",
          "AddSource":"AddSource_Type_XXXXXXXX"
      }
  ]
}
```

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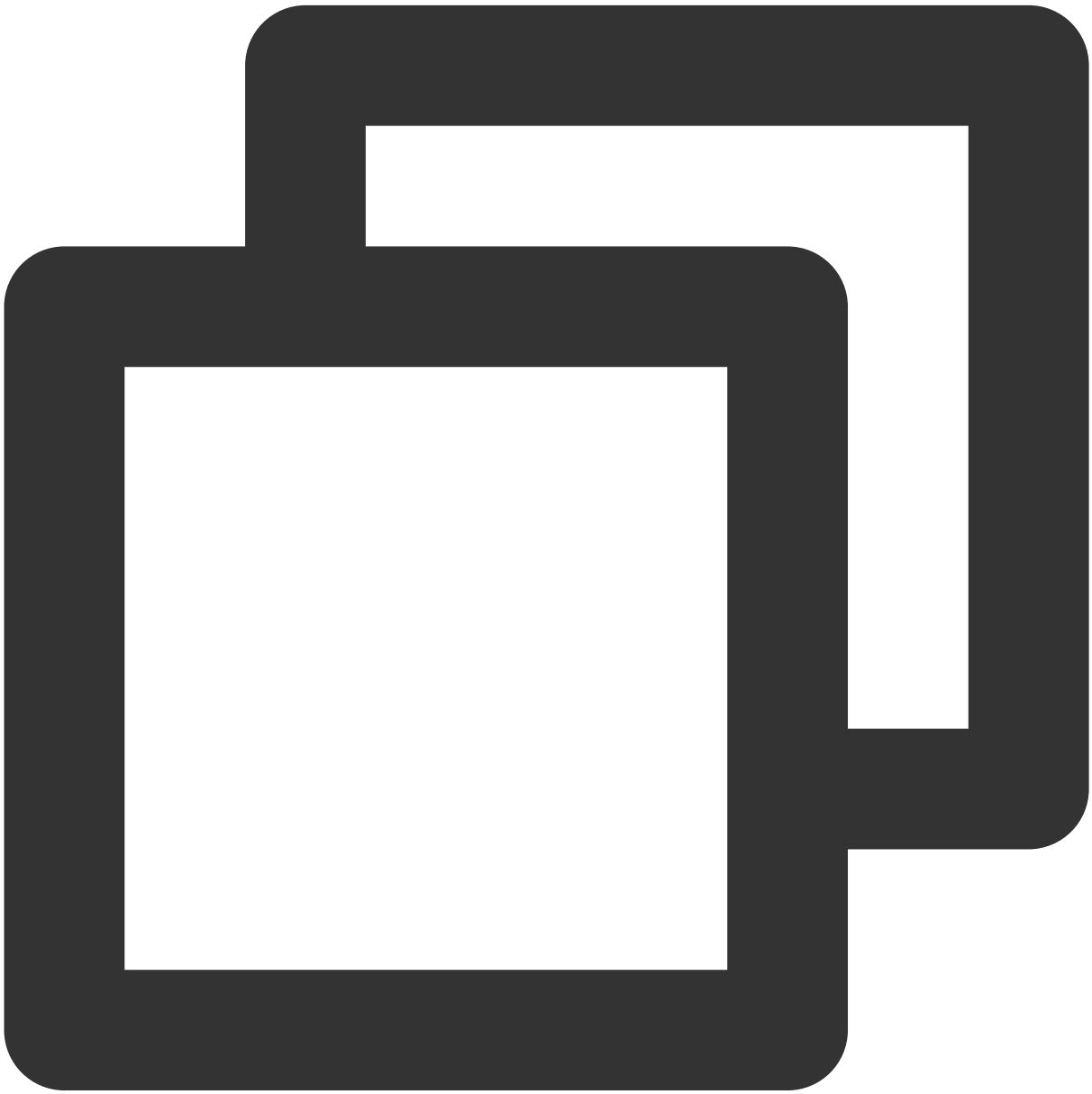
Response to a complete request



```
{
  "From_Account":"id",
  "AddFriendItem":
  [
      {
          "To_Account":"id1",
          "Remark":"remark1",
          "RemarkTime":1420000001,
          "GroupName":["Friends"],
```

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```
            "AddSource":"AddSource_Type_XXXXXXXX",
            "AddWording":"I'm Test1",
            "AddTime":1420000001,
            "CustomItem":
            [
                {
                    "Tag":"Tag_SNS_Custom_XXXX",
                    "Value":"Test"
                },
                {
                    "Tag":"Tag_SNS_Custom_YYYY",
                    "Value":0
                }
            ]
        }
    ]
}
```

Response to a batch request

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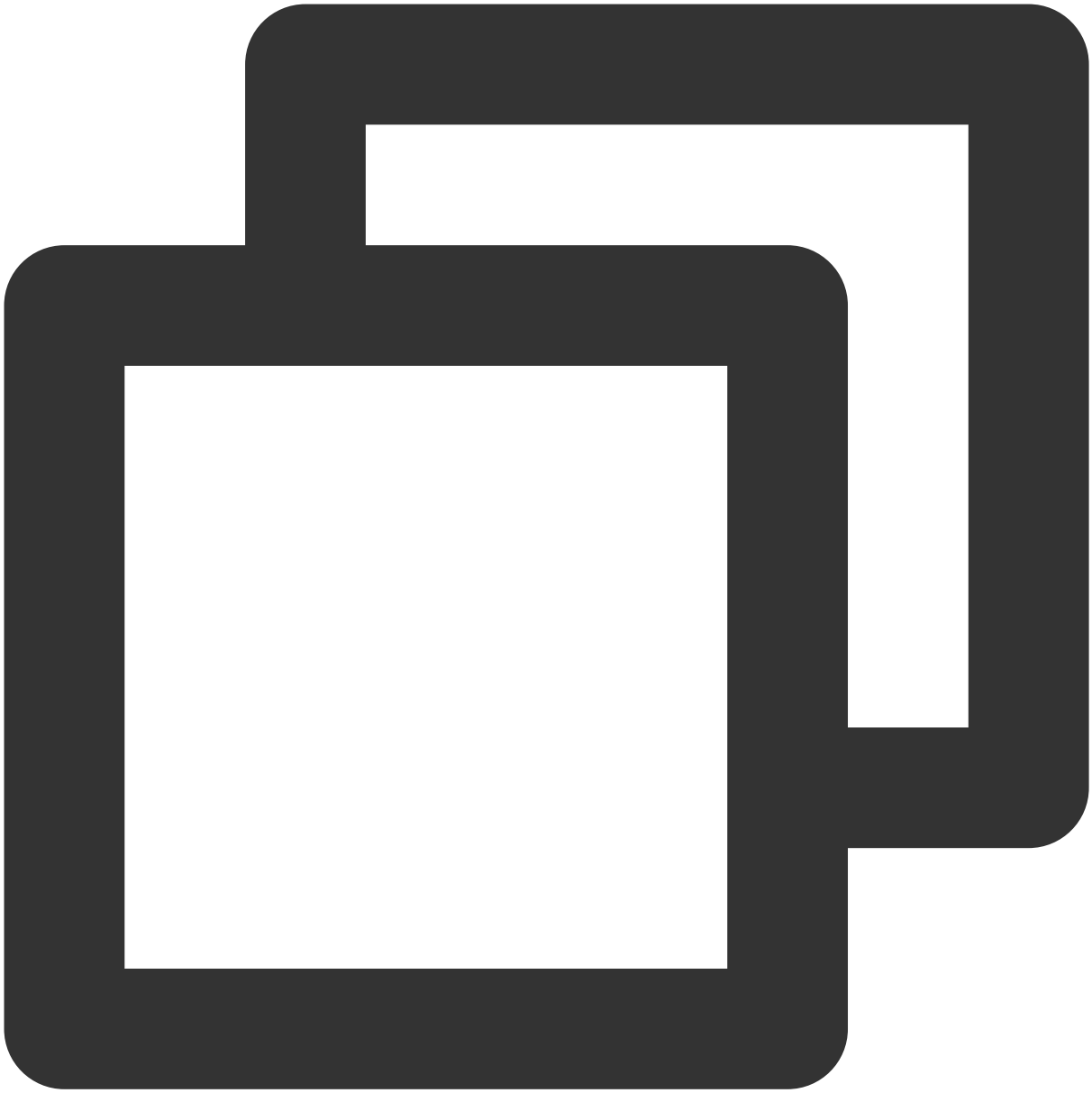

```
{
  "From_Account":"id",
  "AddFriendItem":
  [
      {
          "To_Account":"id1",
          "AddSource":"AddSource_Type_XXXXXXXX"
      },
      {
          "To_Account":"id2",
          "Remark":"remark2",
```

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```
            "RemarkTime":1420000001,
            "GroupName":["Friends"],
            "AddSource":"AddSource_Type_XXXXXXXX",
            "AddWording":"I'm Test2",
            "AddTime":1420000001
        },
        {
            "To_Account":"id3",
            "Remark":"remark3",
            "RemarkTime":1420000001,
            "GroupName":["Colleagues","Friends"],
            "AddSource":"AddSource_Type_XXXXXXXX",
            "AddWording":"I'm Test3",
            "AddTime":1420000001,
            "CustomItem":
            [
                {
                    "Tag":"Tag_SNS_Custom_XXXX",
                    "Value":"Test"
                },
                {
                    "Tag":"Tag_SNS_Custom_YYYY",
                    "Value":0
                }
            ]
        }
    ]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID that initiates the request.
AddFriendItem	Array	Yes	Structural object of the friend.
To_Account	String	Yes	`UserID` of a friend.
Remark	String	No	Friend remarks set by `From_Account` for `To_Account`. For more information, see Standard friend fields.
RemarkTime	Integer	No	Time of remarking `To_Account` by `From_Account`.
GroupName	Array	No	Group information of `To_Account` added by `From_Account`. For more information, see Standard

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			friend fields.
AddSource	String	Yes	Source from which a friend is added. For more information, see Standard friend fields.
AddWording	String	No	Remarks that the user who initiates the friend request writes about the user to be added. For more information, see Standard friend fields.
AddTime	Integer	No	Time of establishing a friend relationship between `From_Account` and `To_Account` .
CustomItem	Array	No	Custom friend data of `To_Account` set by `From_Account` . Each member has a Tag field and a Value field. For more information, see Custom friend fields.
Tag	String	No	Name of the custom friend field. To use it, first apply for a custom friend field in the Chat console by navigating to **App Configuration** > **eature Configuration**.
Value	String/Integer	No	Value of the custom friend field.

Sample response

Response to a basic or complete request

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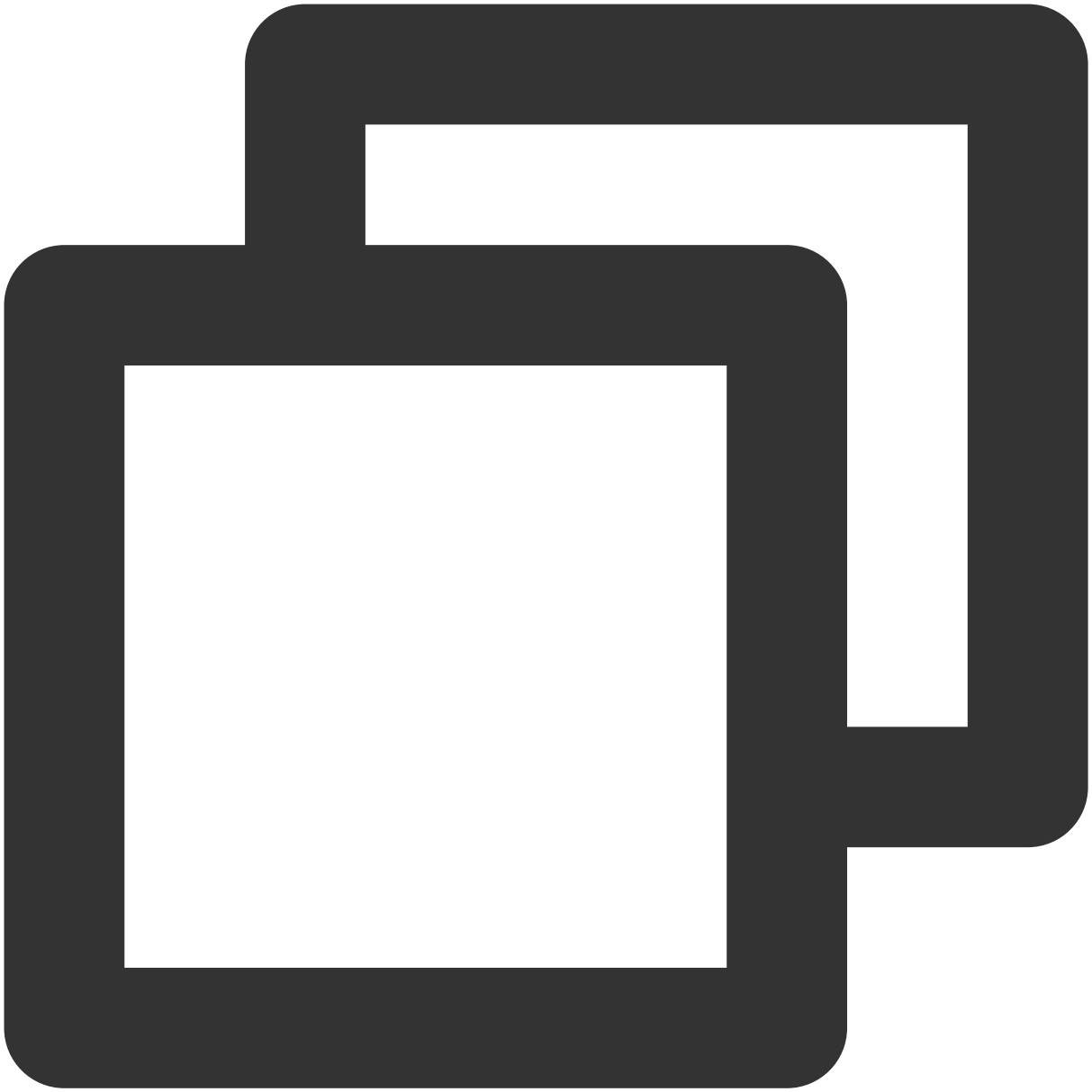


```
{
  "ResultItem":
  [
      {
          "To_Account":"id1",
          "ResultCode":0,
          "ResultInfo":""
      }
  ],
  "ActionStatus":"OK",
  "ErrorCode":0,
```


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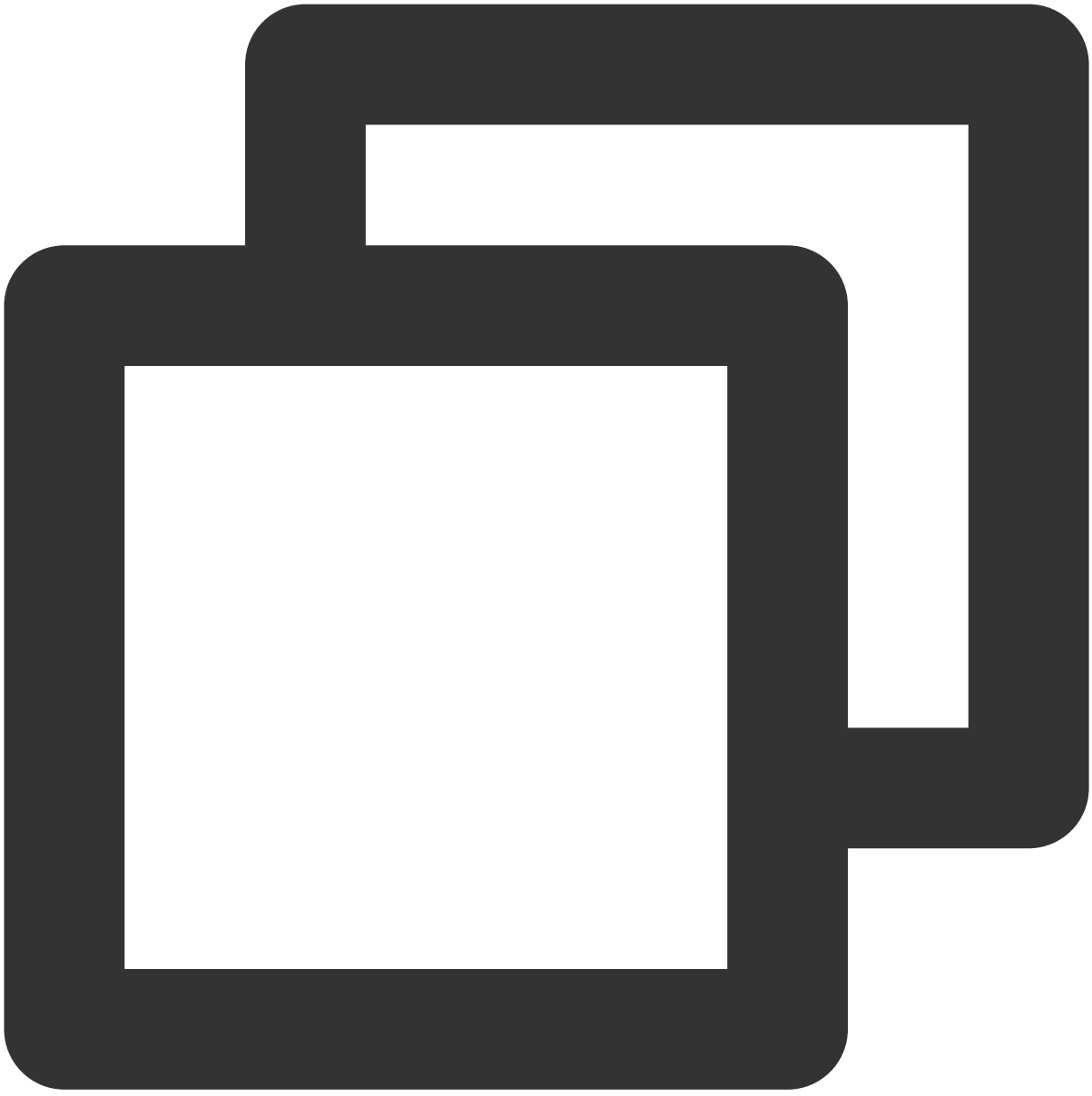
```
   "ErrorInfo":"",
   "ErrorDisplay":""
}
```

Response to a batch request



```
{
   "ResultItem":
   [
       {
           "To_Account":"id1",
           "ResultCode":0,
```

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```
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ResultCode":30010,
            "ResultInfo":"Err_SNS_FriendImport_My_Friend_Num_Exceed_Threshold"
        },
        {
            "To_Account":"id3",
            "ResultCode":30002,
            "ResultInfo":"Err_SNS_FriendImport_SdkAppId_Illegal"
        }
    ],
    "Fail_Account":["id2","id3"],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```

Response fields

Field	Type	Description
ResultItem	Array	Result of adding friends in bulk, which is an array of UserIDs and corresponding results.
To_Account	String	UserID that you requested to add as a friend.
ResultCode	Integer	Result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	Error description of `To_Account` . This field is empty if the request is successful.
Fail_Account	Array	List of users whose processing failed. This field is only returned when at least one user fails.
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed.
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.
30010	The number of friends has reached the upper limit of the system.
30011	The maximum number of friend lists has been reached.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Adding Friends

Updating Friends

Deleting Friends

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Deleting All Friends
Verifying Friends
Pulling Friends
Pulling Specified Friends

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Updating Friends

Last updated：2024-08-20 16:50:04

Feature Overview

This API is used to update the contacts data of multiple friends of a user at a time.

You are advised to update multiple friends of a user at a time to avoid write conflicts caused by concurrent writes.

API Calling Description

Sample request URL

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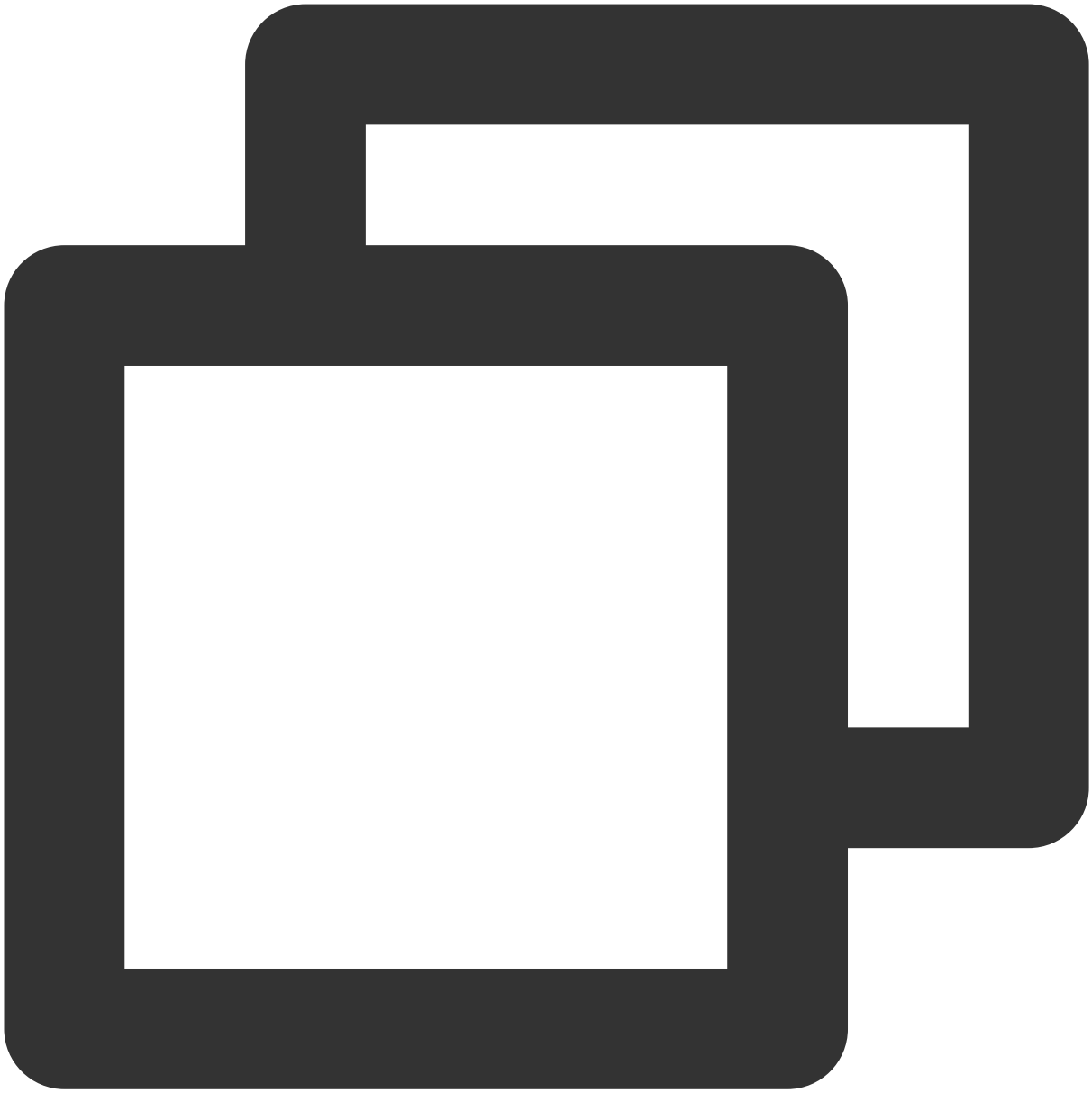

```
https://xxxxxx/v4/sns/friend_update?sdkappid=88888888&identifier=admin&usersig=xxx&
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_update	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

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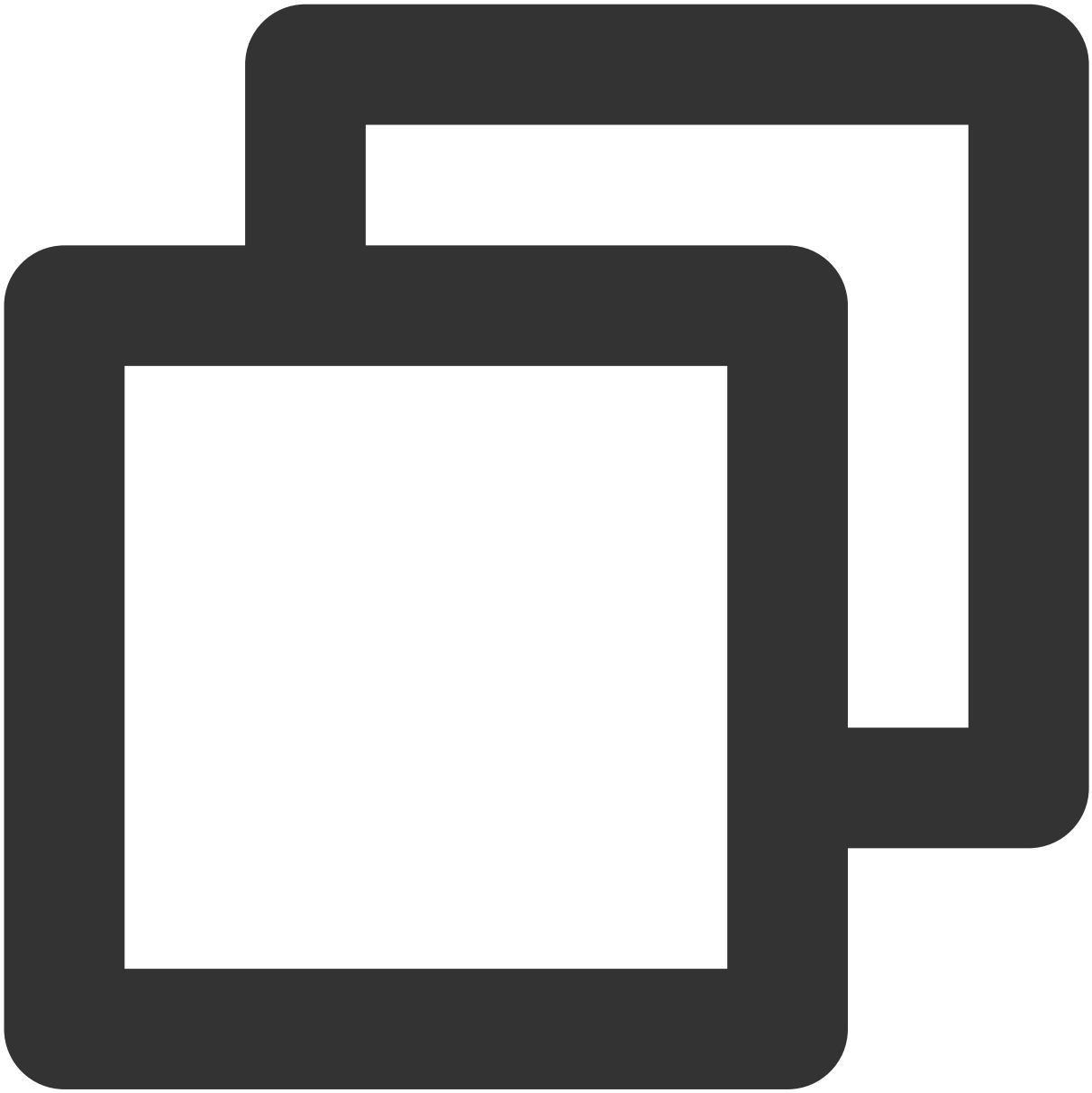

```
{
  "From_Account":"id",
  "UpdateItem":
  [
      {
          "To_Account":"id1",
          "SnsItem":
          [
              {
                  "Tag":"Tag_SNS_IM_Remark",
                  "Value":"remark1"
```

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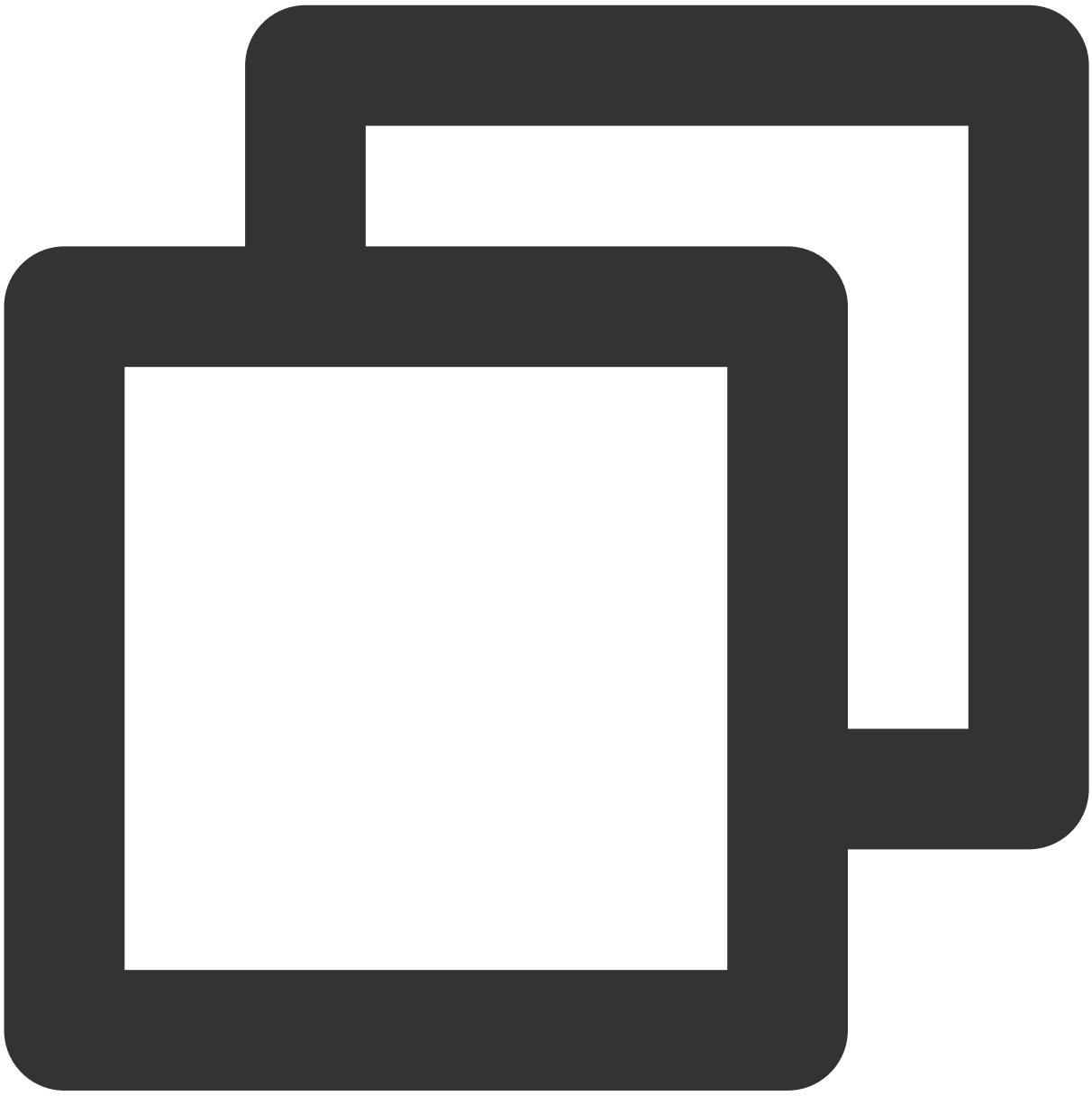
```
                }
            ]
        }
    ]
}
```

Response to a complete request



```
{
    "From_Account":"id",
    "UpdateItem":
    [
```

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```
        {
            "To_Account":"id1",
            "SnsItem":
            [
                {
                    "Tag":"Tag_SNS_IM_Remark",
                    "Value":"remark1"
                },
                {
                    "Tag":"Tag_SNS_IM_Group",
                    "Value":
                    [
                        "group1",
                        "group2"
                    ]
                },
                {
                    "Tag":"Tag_SNS_Custom_Test",
                    "Value":"test"
                }
            ]
        }
    ]
}
```

Response to a batch request

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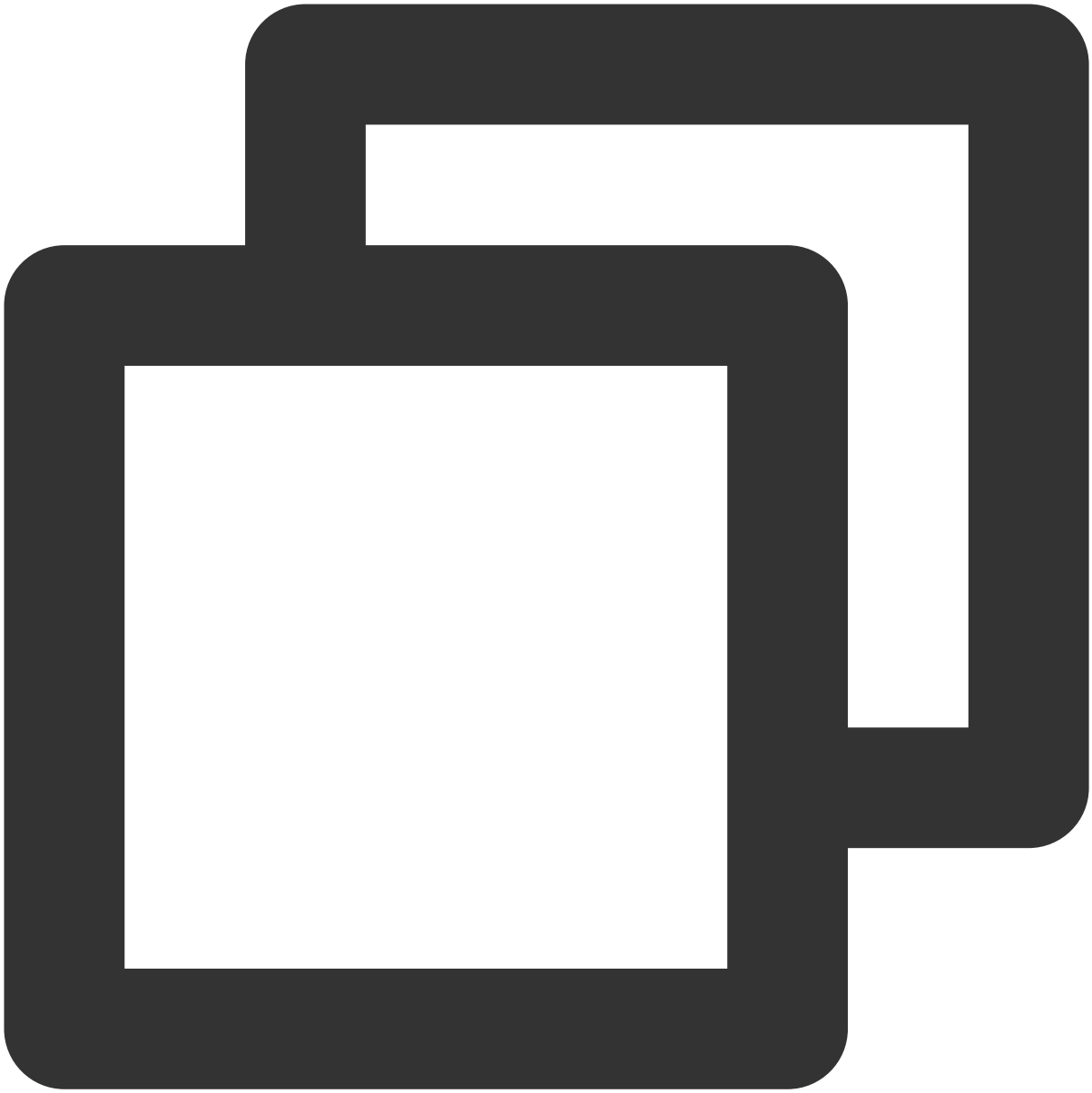

```
{
  "From_Account":"id",
  "UpdateItem":
  [
      {
          "To_Account":"id1",
          "SnsItem":
          [
              {
                  "Tag":"Tag_SNS_IM_Remark",
                  "Value":"remark1"
```

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```
                }
            ]
        },
        {
            "To_Account":"id2",
            "SnsItem":
            [
                {
                    "Tag":"Tag_SNS_IM_Remark",
                    "Value":"remark2"
                },
                {
                    "Tag":"Tag_SNS_IM_Group",
                    "Value":
                    [
                        "group1",
                        "group2"
                    ]
                }
            ]
        },
        {
            "To_Account":"id3",
            "SnsItem":
            [
                {
                    "Tag":"Tag_SNS_IM_Remark",
                    "Value":"remark3"
                },
                {
                    "Tag":"Tag_SNS_IM_Group",
                    "Value":
                    [
                        "group3"
                    ]
                },
                {
                    "Tag":"Tag_SNS_Custom_Test",
                    "Value":"test"
                }
            ]
        }
    ]
}
```

Request fields

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Field	Type	Required	Description
From_Account	String	Yes	`UserID` of the account for which to update contacts data.
UpdateItem	Array	Yes	An object array of friends to be updated.
To_Account	String	Yes	`UserID` of a friend.
SnsItem	Array	Yes	An object array of the contacts data to be updated.
Tag	String	Yes	The name of a contacts field to be updated. Users are only allowed to update the remarks, group, and custom fields of contacts. For more information on contacts fields, see the **Friend Lists** in Relationship Chain Management.
Value	Array/String/Integer	Yes	The value of a contacts field. For information on value types, see the **Friend Lists** section in Relationship Chain Management.

Sample response

Response to a basic or complete request

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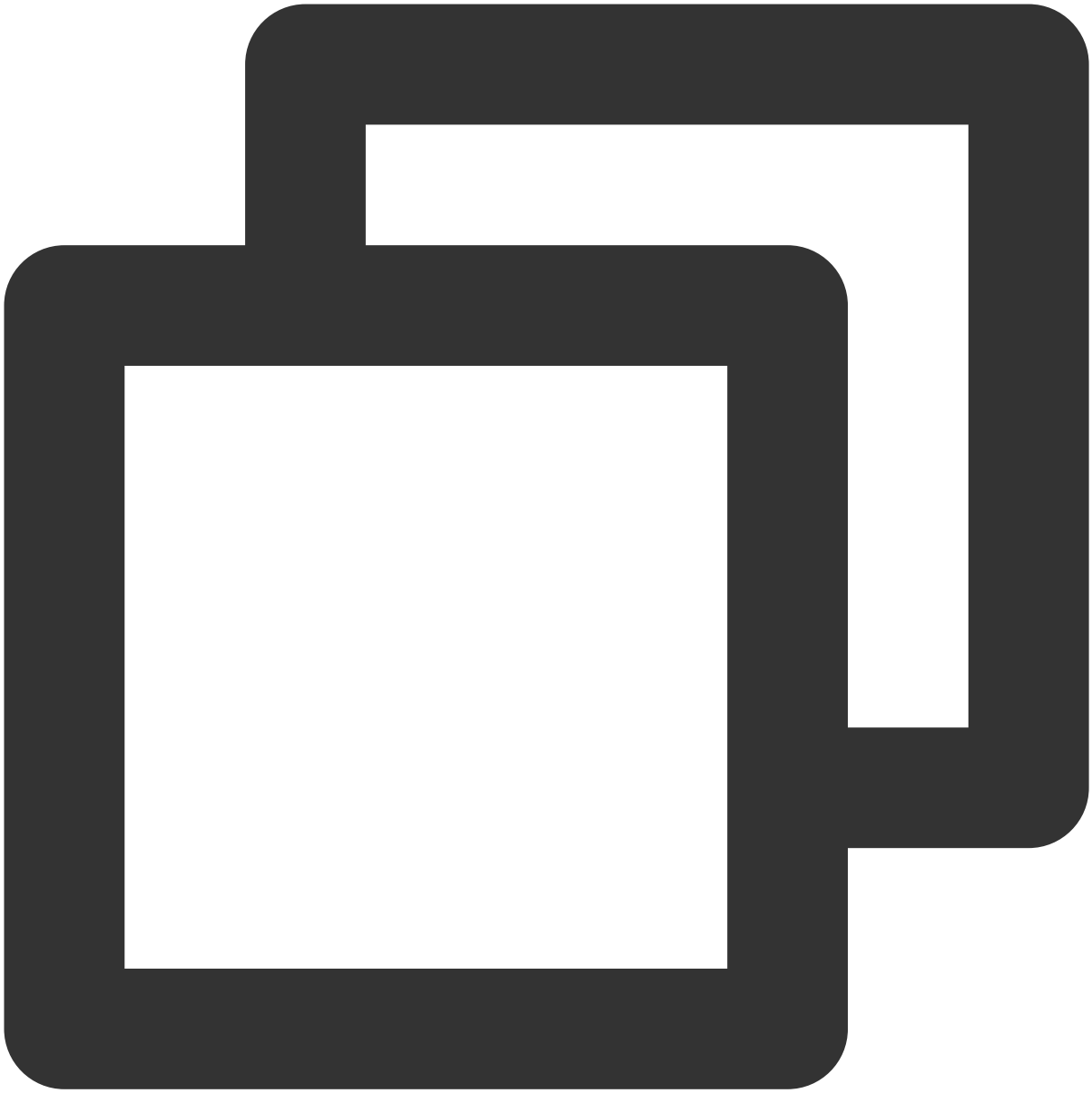


```
{
  "ResultItem":
  [
      {
          "To_Account":"id1",
          "ResultCode":0,
          "ResultInfo":""
      }
  ],
  "ActionStatus":"OK",
  "ErrorCode":0,
```


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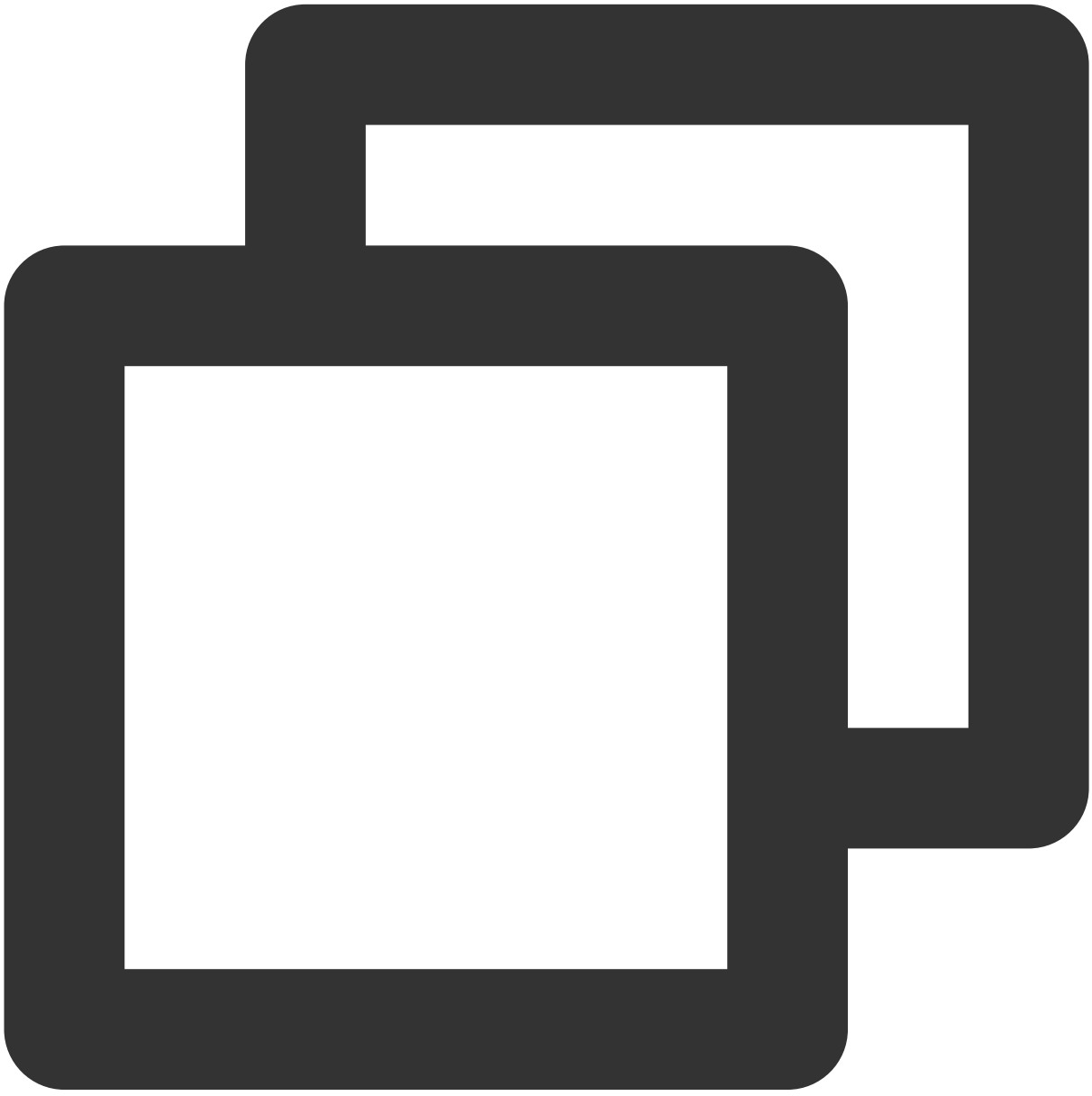
```
   "ErrorInfo":"",
   "ErrorDisplay":""
}
```

Response to a batch request



```
{
   "ResultItem":
   [
       {
           "To_Account":"id1",
           "ResultCode":0,
```

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```
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ResultCode":30011,
            "ResultInfo":"Err_SNS_FriendUpdate_Group_Num_Exceed_Threshold"
        },
        {
            "To_Account":"id3",
            "ResultCode":30002,
            "ResultInfo":"Err_SNS_FriendImport_SdkAppId_Illegal"
        }
    ],
    "Fail_Account":["id2","id3"],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```

Response fields

Field	Type	Description
ResultItem	Array	The result of updating friends, which is an array of UserIDs and corresponding results.
To_Account	String	`UserID` of the friend that you requested to update.
ResultCode	Integer	The result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	The error description of `To_Account` . This field is empty if the request succeeds.
Fail_Account	Array	The users that failed to be verified. This field is only returned when at least one user fails.
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed.
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.
30011	The maximum number of friend lists has been reached.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Adding Friends

Importing Friends

Deleting Friends

Deleting All Friends

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Verifying Friends
Pulling Friends
Pulling Specified Friends

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Deleting Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to delete friends. Both one-way deletion and two-way deletion are supported.

API Calling Description

Sample request URL

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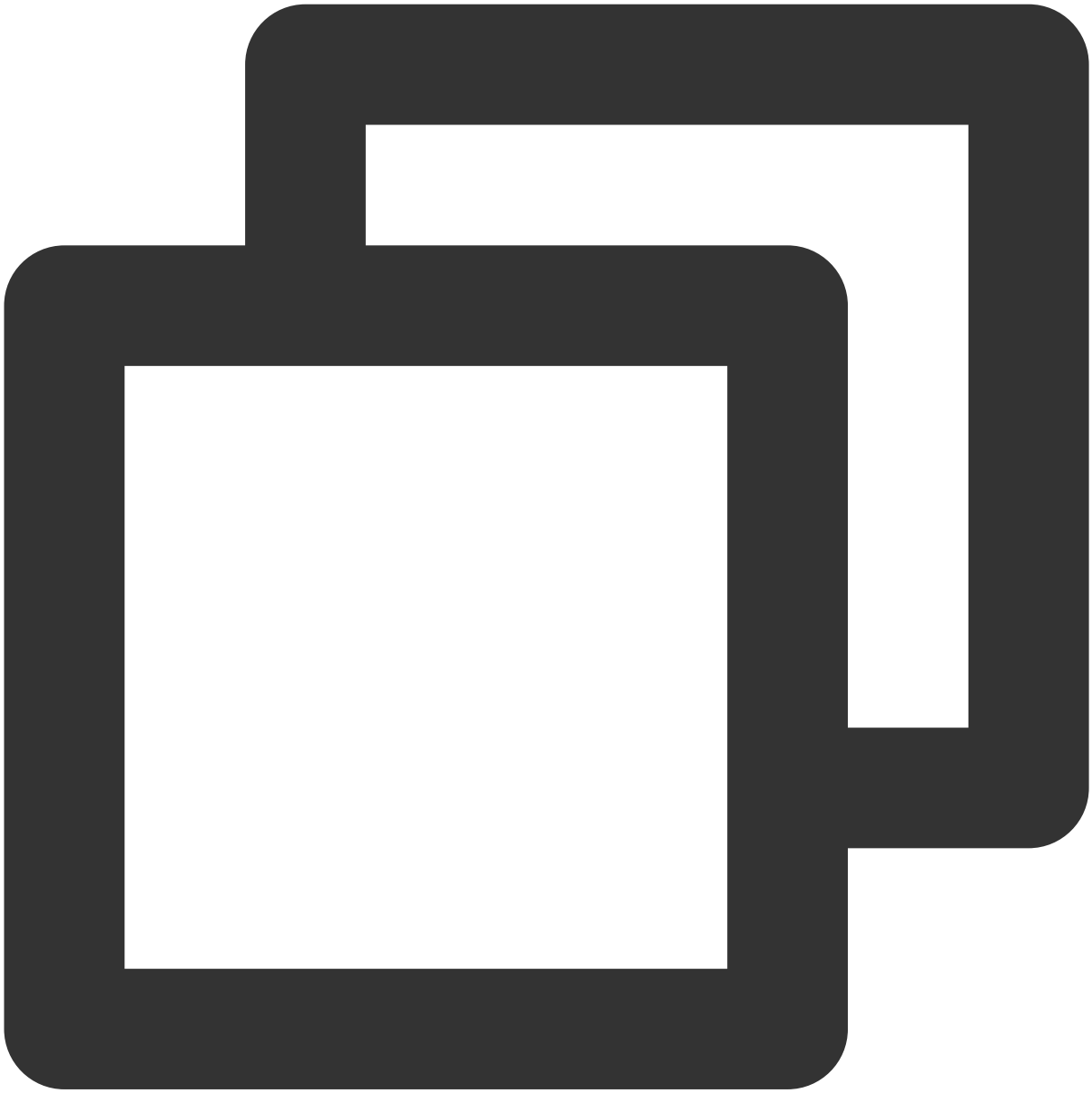

```
https://xxxxxx/v4/sns/friend_delete?sdkappid=88888888&identifier=admin&usersig=xxx&
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_delete	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

One-way deletion

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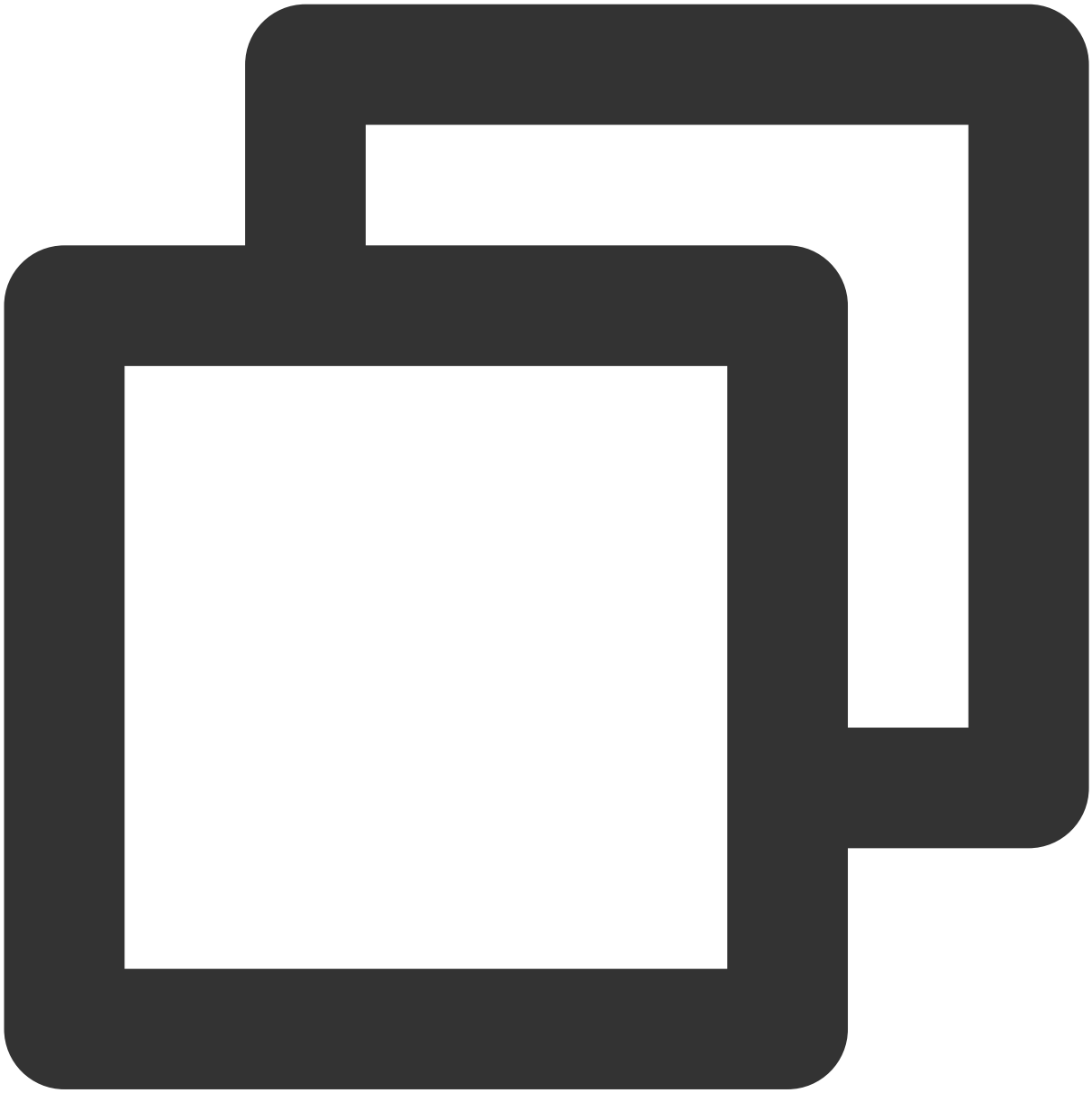

```
{
  "From_Account":"id",
  "To_Account":["id1","id2","id3"],
  "DeleteType":"Delete_Type_Single"
}
```

Two-way deletion

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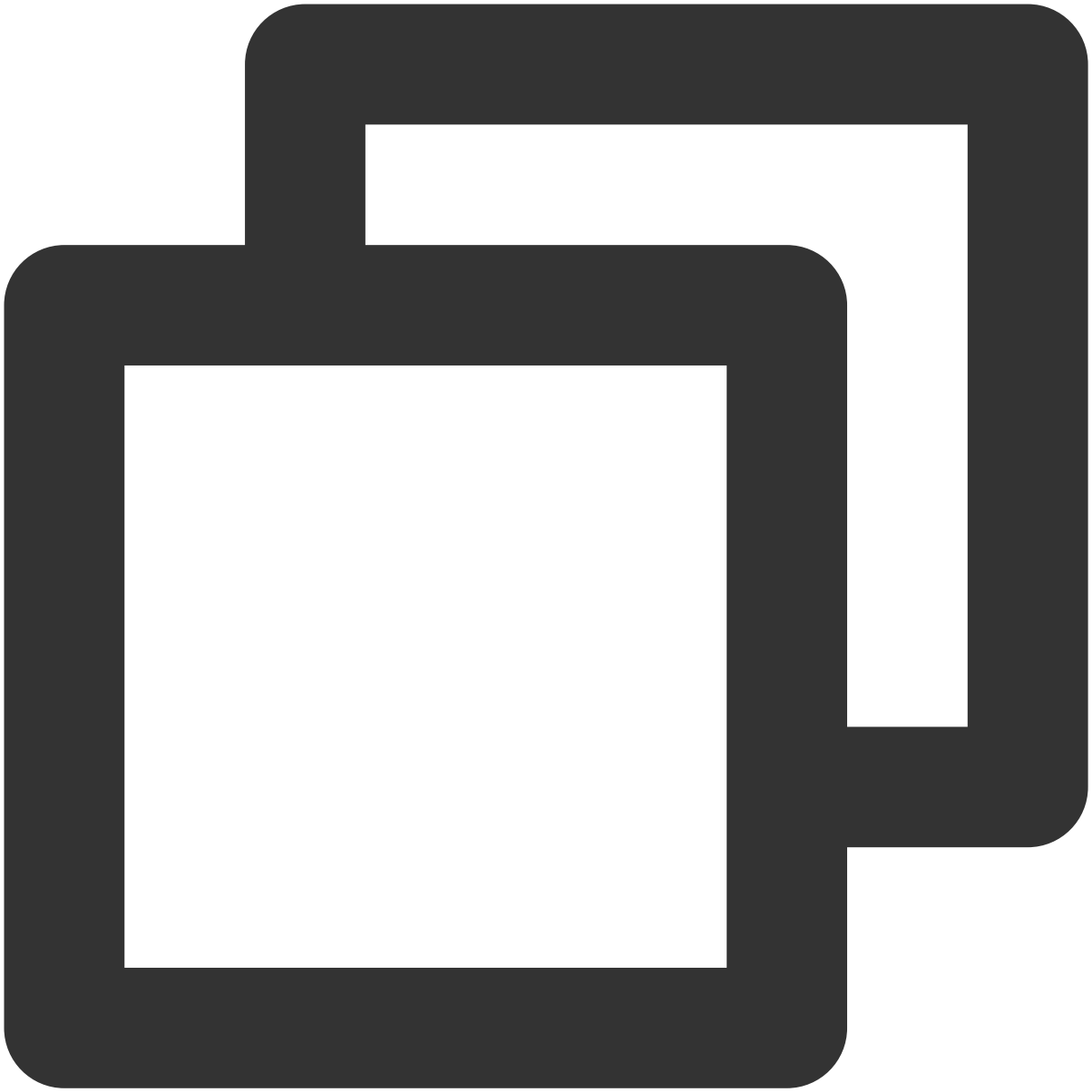

```
{
  "From_Account":"id",
  "To_Account":["id1","id2","id3"],
  "DeleteType":"Delete_Type_Both"
}
```

Request fields

Field	Type	Required	Description

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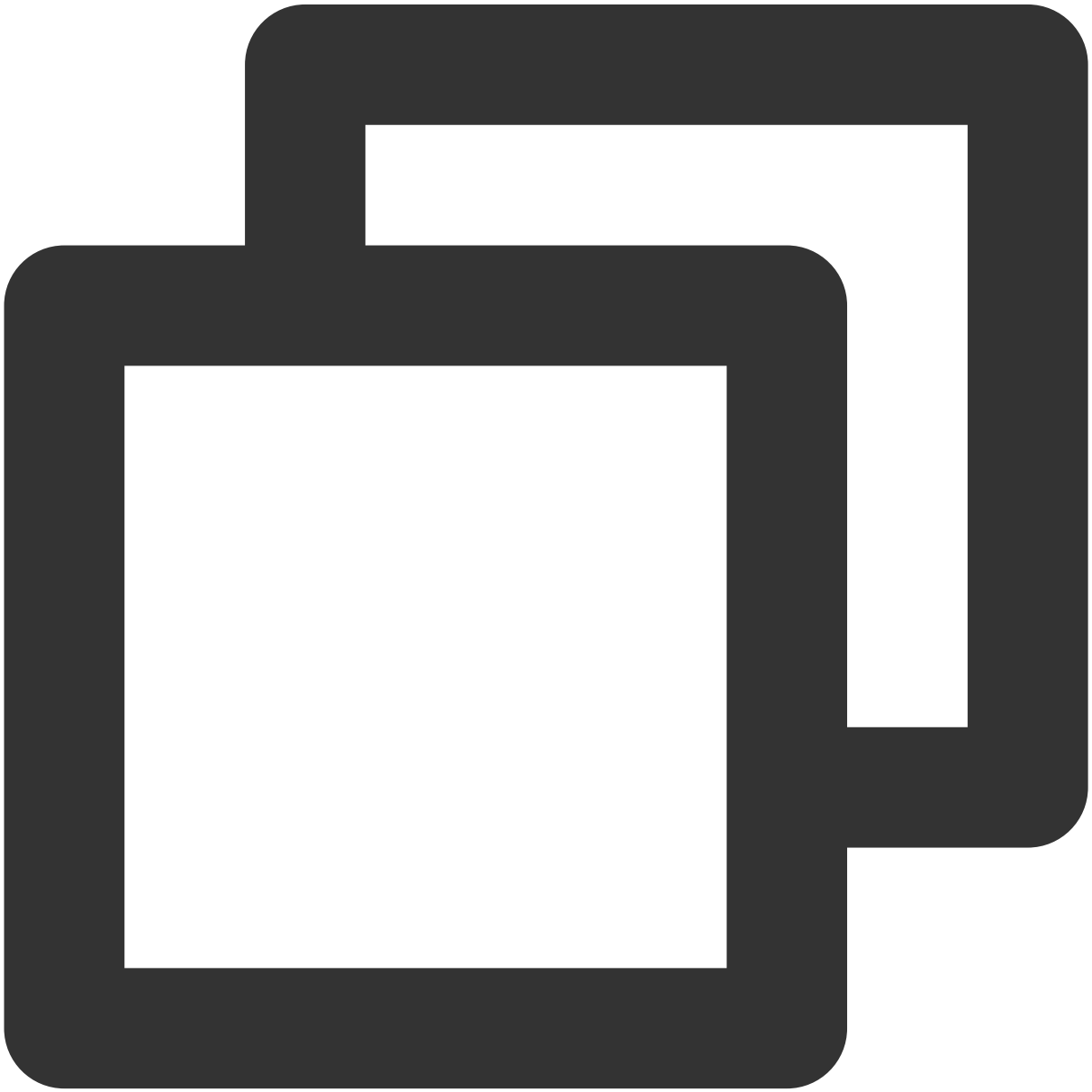
From_Account	String	Yes	The UserID of the account that requests to delete friends
To_Account	Array	Yes	The list of UserIDs of the friends to be deleted. Each request cannot contain more than 1000 UserIDs.
DeleteType	String	No	Deletion mode. For details, see Deleting Friends.

Sample response



```
{
    "ResultItem":
```

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```
    [
        {
            "To_Account":"id1",
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id3",
            "ResultCode":0,
            "ResultInfo":""
        }
    ],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"0",
    "ErrorDisplay":""
}
```

Response fields

Field	Type	Description
ResultItem	Array	The result object array of deleting friends in batch
To_Account	String	The UserID you requested to delete
ResultCode	Integer	The process result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	The error description of `To_Account` . This field is empty if the request succeeds.
ActionStatus	String	The request result. `OK` : Successful. `FAIL` : Failed.
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.
31704	The account you requested to delete is not your friend.
31707	The friend deletion request was filtered by the security policy. Do not initiate friend deletion requests too frequently.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Adding Friends

Importing Friends

Updating Friends

Deleting All Friends

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Verifying Friends
Pulling Friends
Pulling Specified Friends

Possible Webhooks

After a Friend Is Deleted

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Deleting All Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to delete the standard and custom friend data of a specified user.

API Calling Description

Sample request URL

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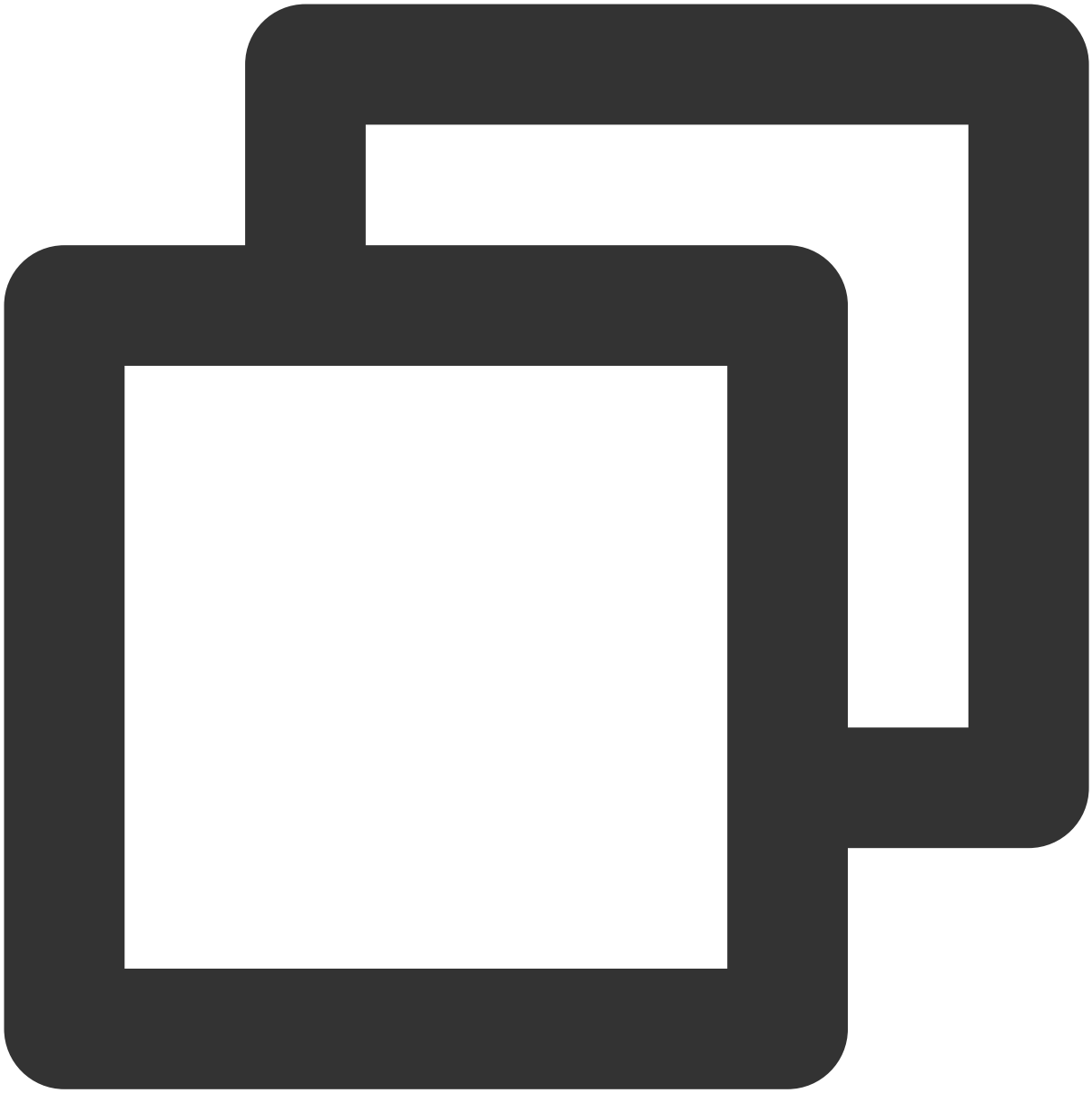

```
https://xxxxxx/v4/sns/friend_delete_all?sdkappid=88888888&identifier=admin&usersig=
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_delete_all	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

One-way deletion

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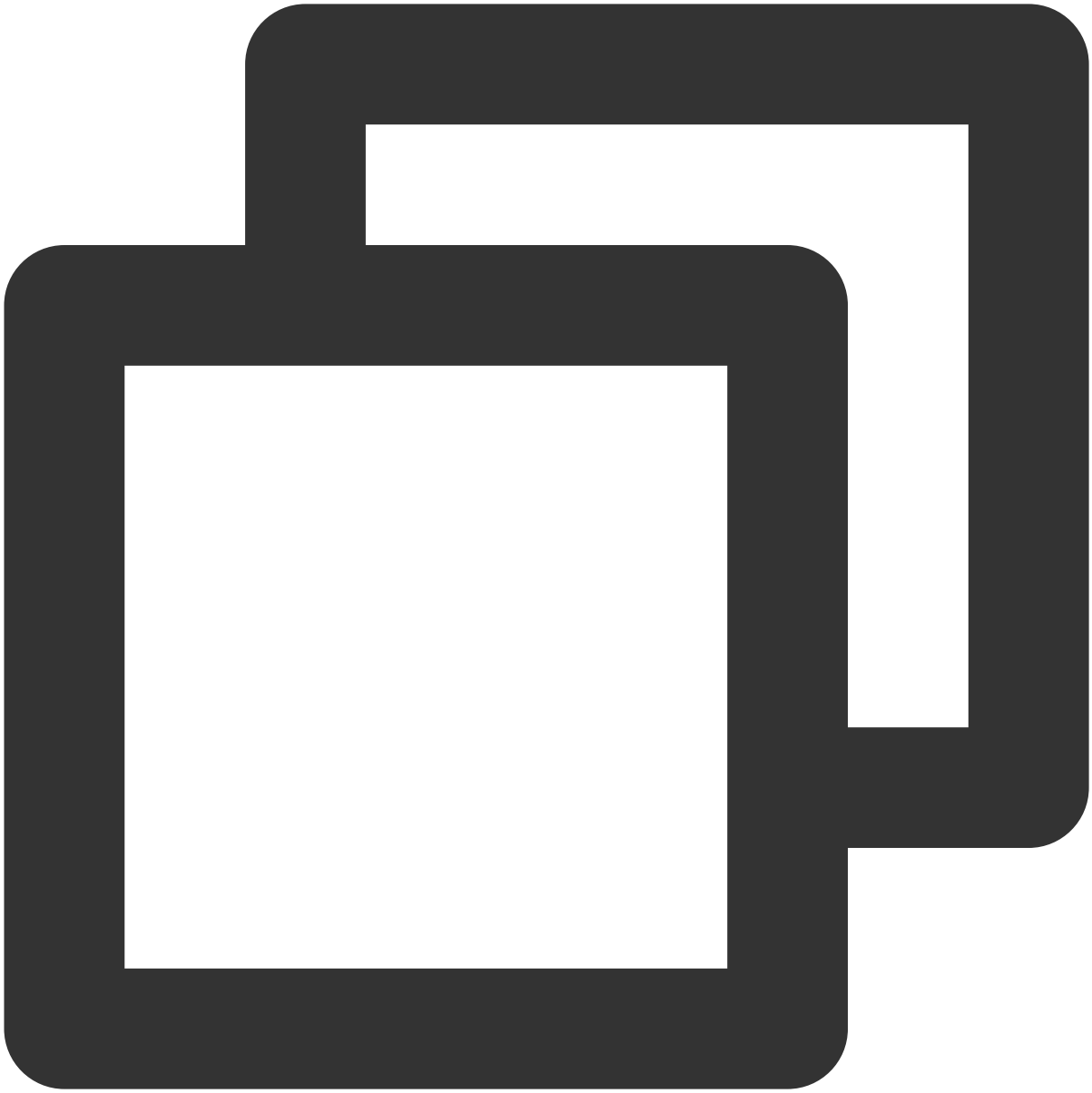

```
{
  "From_Account":"id"
}
```

Two-way deletion

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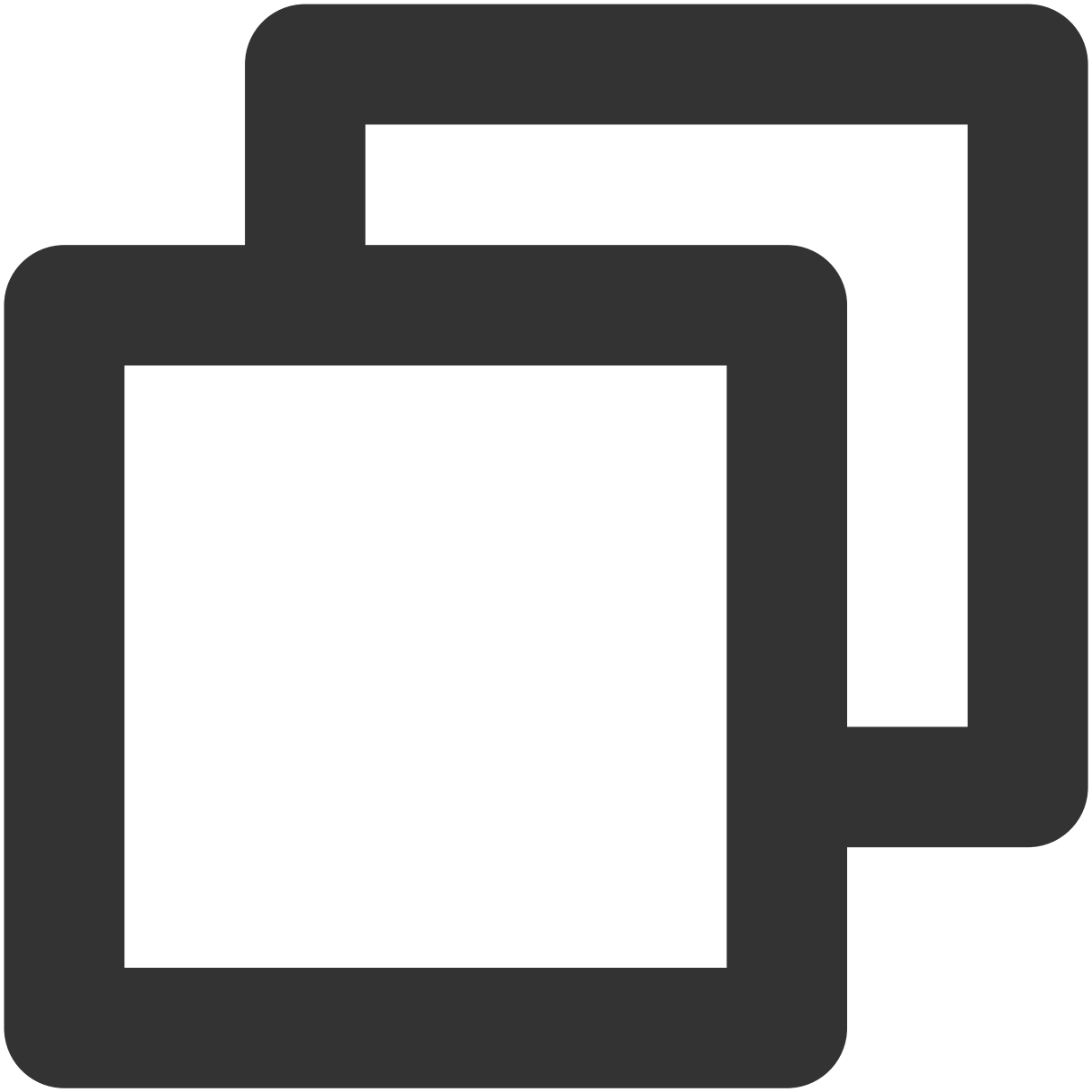

```
{
  "From_Account":"id",
  "DeleteType":"Delete_Type_Both"
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID of the account that requests to delete friends

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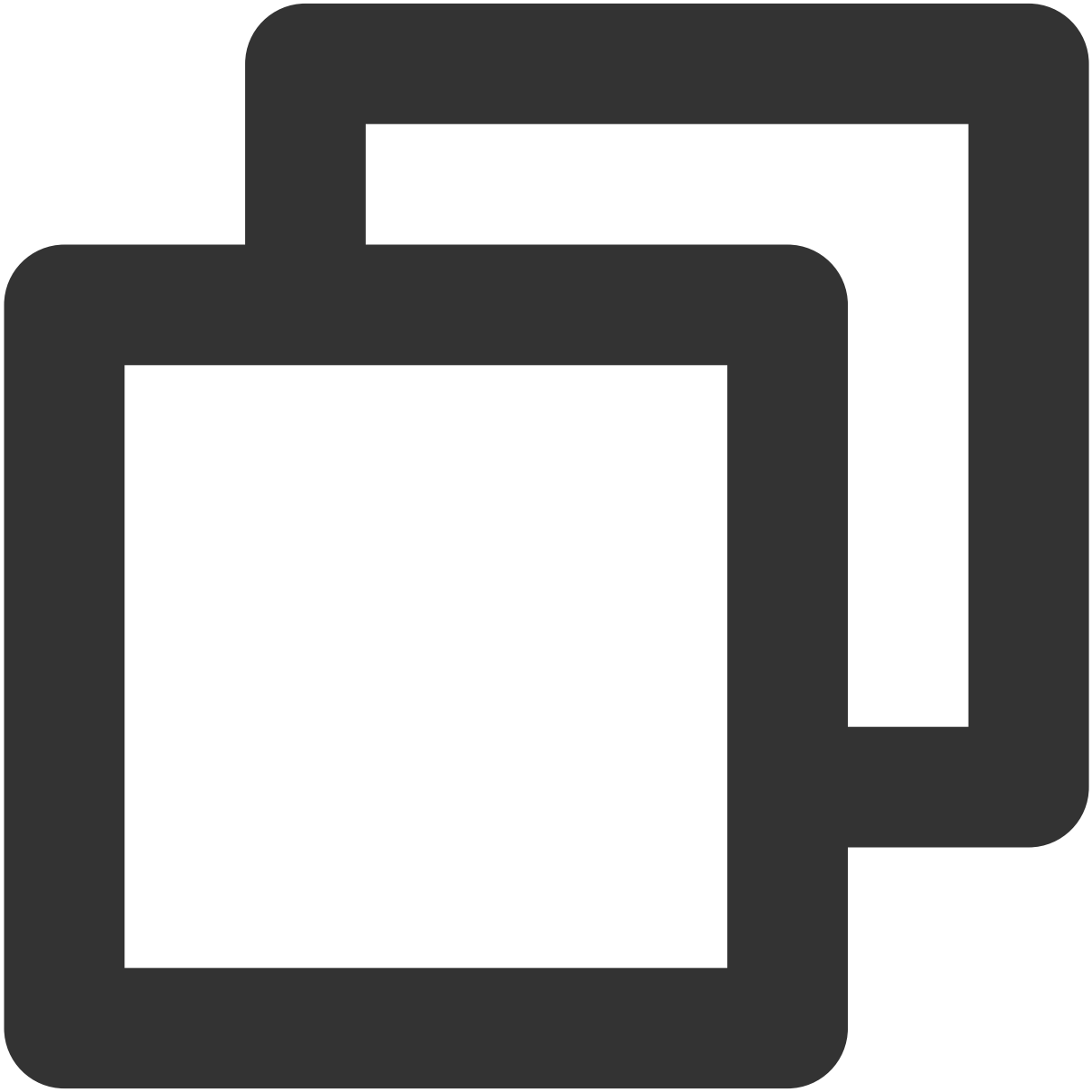
DeleteType	String	No	Deletion mode. One-way deletion is the default mode. For details, see Deleting Friends.

Sample responses



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
```

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```
}
```

Response fields

Field	Type	Description
ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

Reference

Adding Friends
Importing Friends
Updating Friends
Deleting Friends
Verifying Friends
Pulling Friends
Pulling Specified Friends

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Verifying Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to check friendship in bulk.

API Calling Description

Sample request URL

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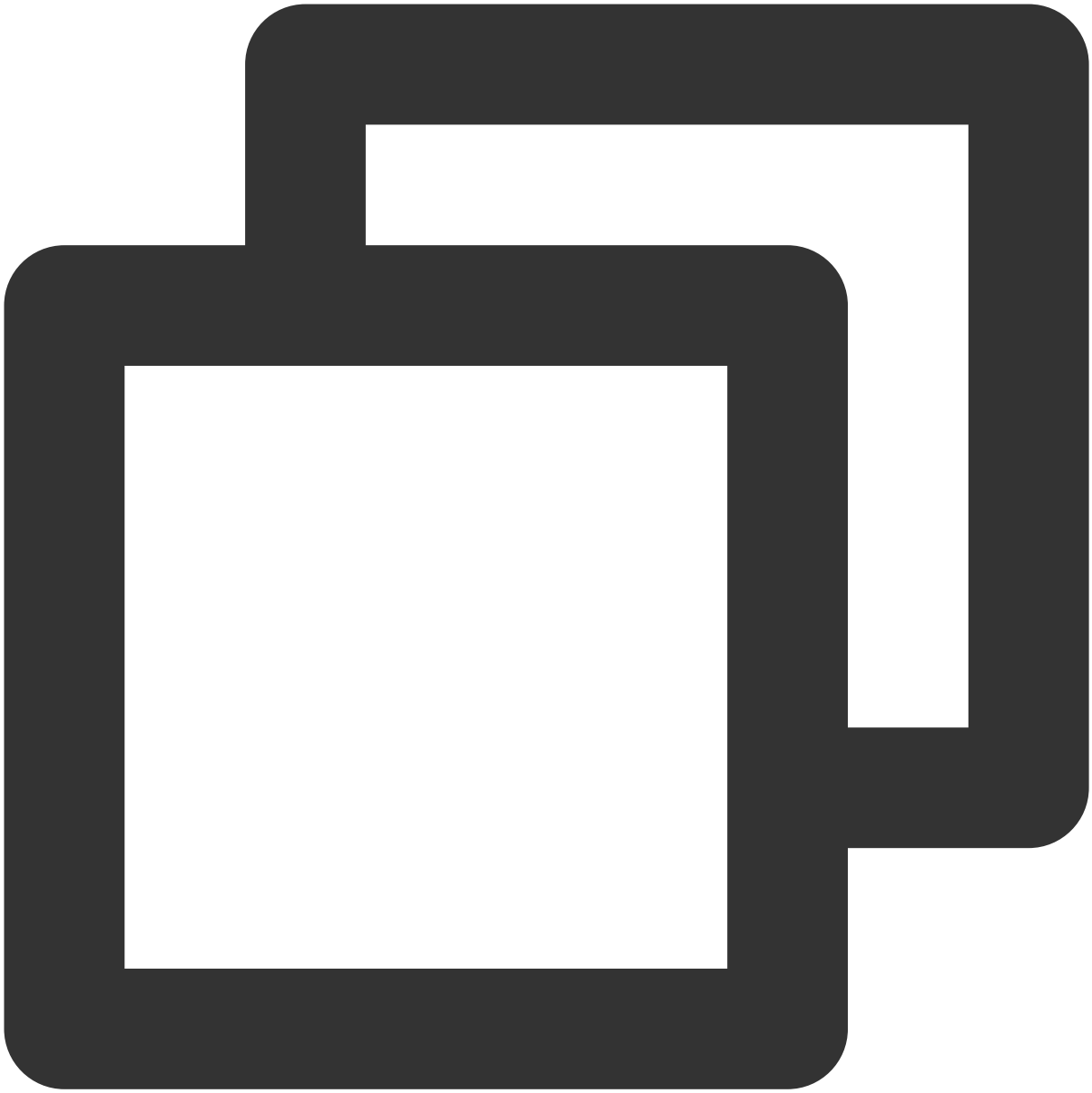

```
https://xxxxxx/v4/sns/friend_check?sdkappid=88888888&identifier=admin&usersig=xxx&r
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/sns/friend_check	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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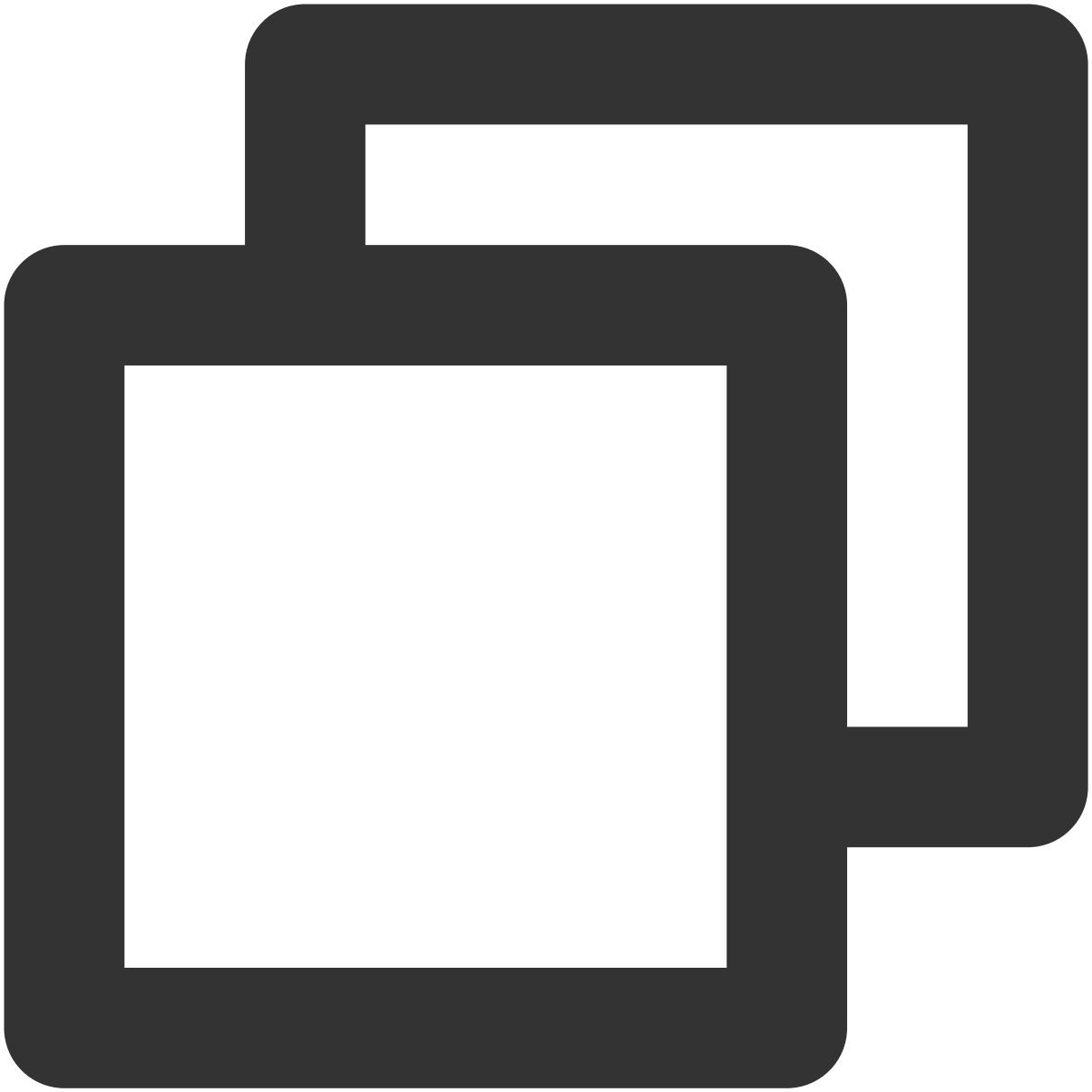

```
{
    "From_Account":"id",
    "To_Account":["id1","id2","id3","id4","id5"],
    "CheckType":"CheckResult_Type_Both"
}
```

Request fields

Field	Type	Required	Description

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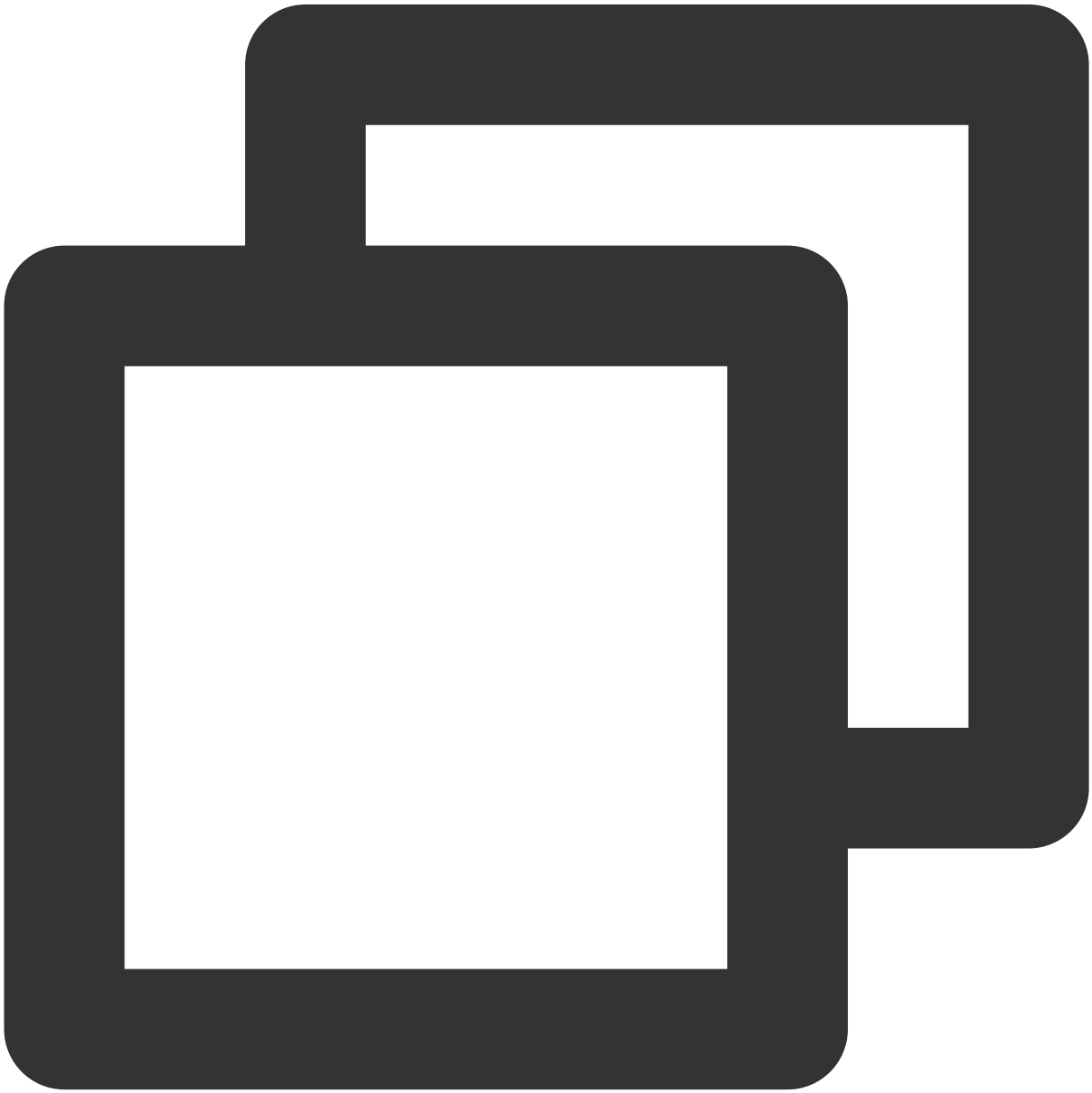
From_Account	String	Yes	The UserID of the account that requests to check friendship
To_Account	Array	Yes	The UserIDs of the friends to be checked. Each request cannot contain more than 1,000 UserIDs.
CheckType	String	Yes	Verification mode. For more information, see Verifying friends.

Sample responses



```
{
    "InfoItem": [
```

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```
        {
            "To_Account": "id1",
            "Relation": "CheckResult_Type_BothWay",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id2",
            "Relation": "CheckResult_Type_AWithB",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id3",
            "Relation": "CheckResult_Type_BWithA",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id4",
            "Relation": "CheckResult_Type_NoRelation",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id5",
            "Relation": "CheckResult_Type_NoRelation",
            "ResultCode": 30006,
            "ResultInfo": "Err_SNS_FriendCheck_Check_Relation_Exec_Task_Fail"
        }
    ],
    "Fail_Account": ["id5"],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```


Response fields

Field	Type	Description
InfoItem	Array	The object array of verification results
To_Account	String	The UserID of the account that you requested to check
Relation	String	The friend relationship between `To_Account` and `From_Account` upon

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		successful verification. For details, see Verifying friends.
ResultCode	Integer	The process result of `To_Account` . `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ResultInfo	String	The error description of `To_Account` . This field is empty if the request succeeds.
Fail_Account	Array	The users that failed to be verified. This field is only returned when at least one user fails.
ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

Reference

Adding Friends
Importing Friends
Updating Friends
Deleting Friends
Deleting All Friends
Pulling Friends
Pulling Specified Friends

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Pulling Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to pull the data of all friends by page.

It cannot pull profile data.

You do not need to specify the fields to pull. By default, all standard and custom friend data will be returned.

API Calling Description

Sample request URL

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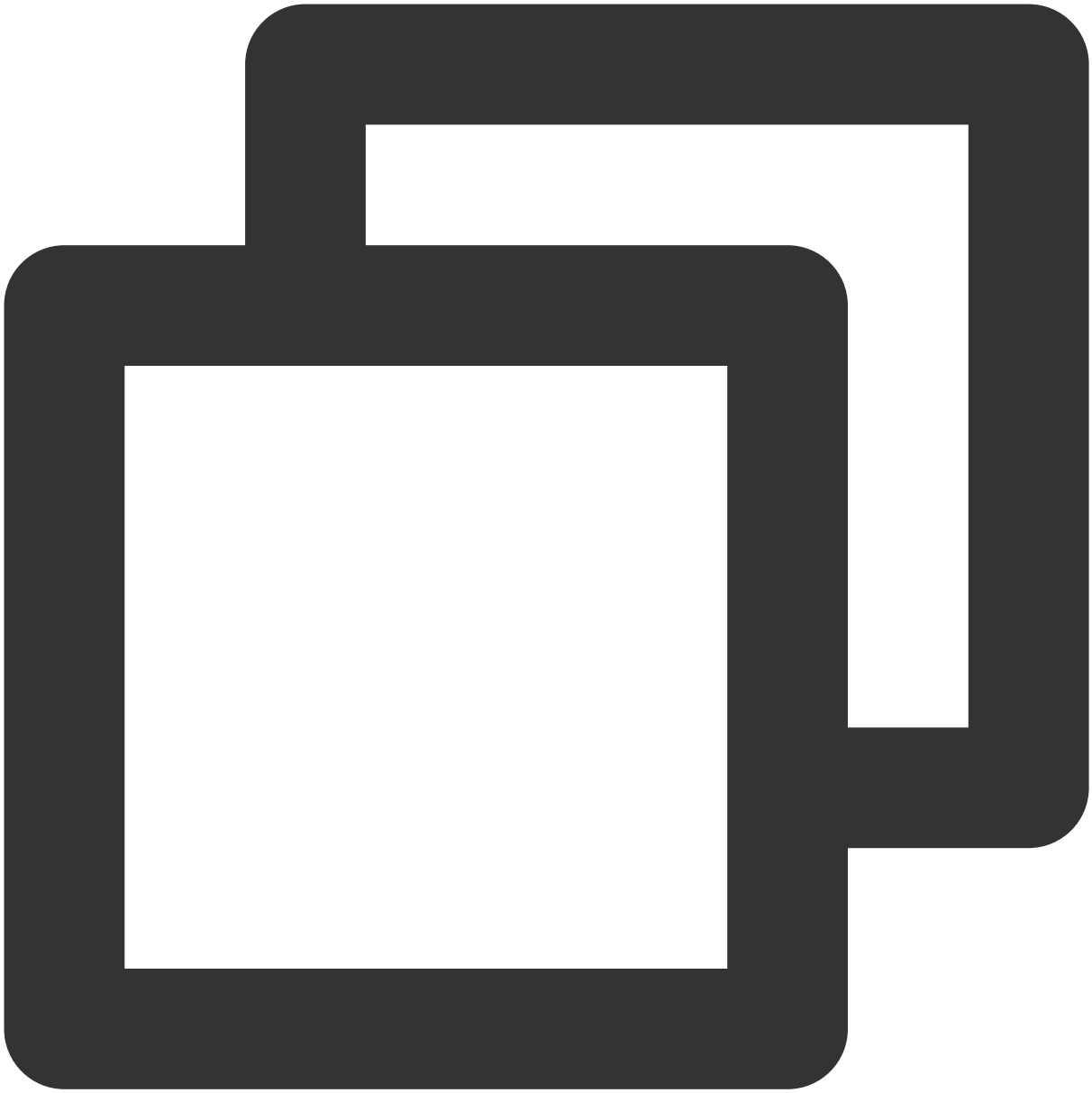

```
https://xxxxxx/v4/sns/friend_get?sdkappid=88888888&identifier=admin&usersig=xxx&ran
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_get	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample requests

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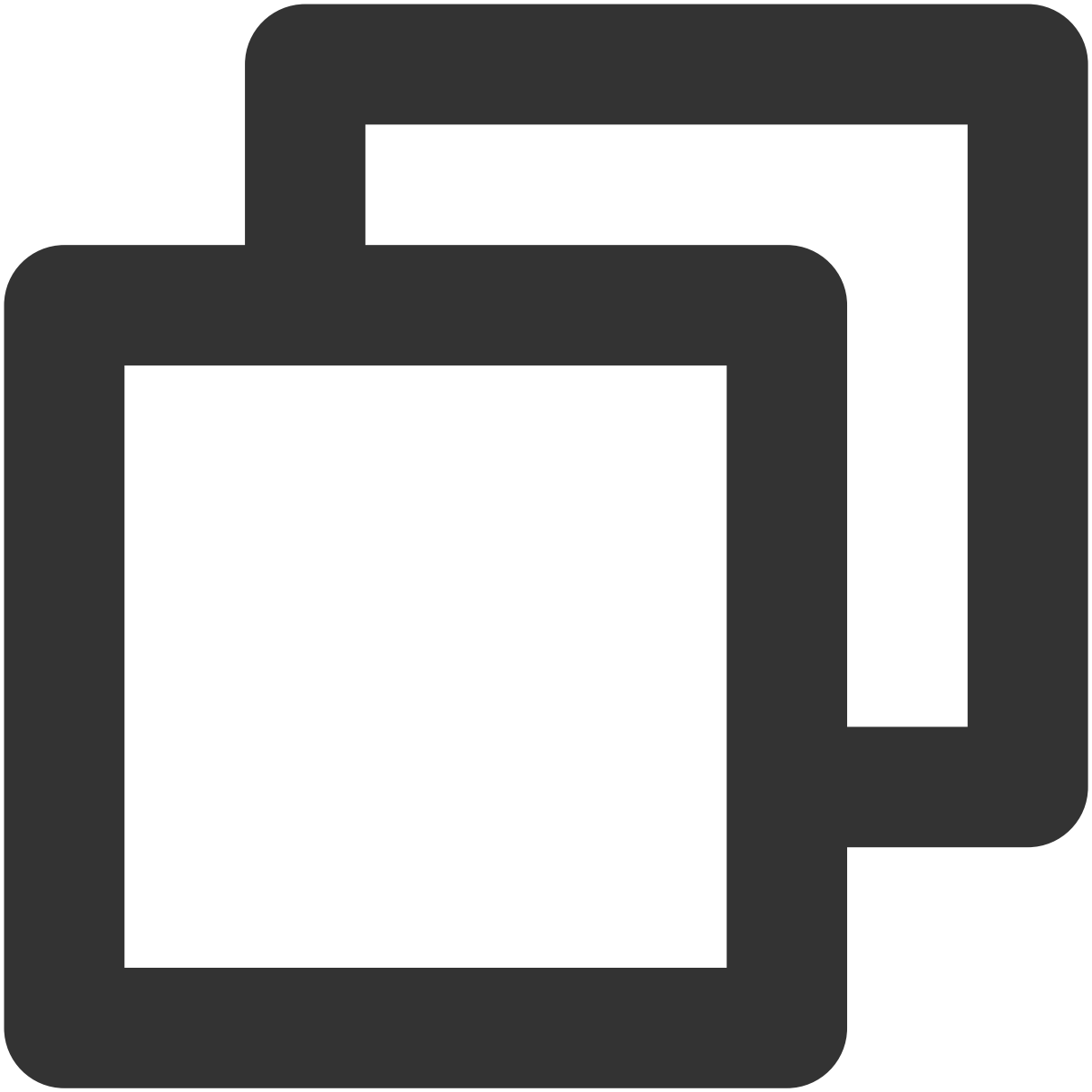

```
{
    "From_Account": "id",
    "StartIndex": 0,
    "StandardSequence": 0,
    "CustomSequence": 0
}
```

Request fields

Field	Type	Required	Description

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From_Account	String	Yes	The UserID of the account that requests to pull friend data
StartIndex	Integer	Yes	The starting point of the page to be pulled
StandardSequence	Integer	No	The `StandardSequence` returned for the previous friend data pull. If the value of the `StandardSequence` field is the same as that in the backend, the backend will not return standard friend data.
CustomSequence	Integer	No	The `CustomSequence` returned for the previous friend data pull. If the value of the `CustomSequence` field is the same as that in the backend, the backend will not return custom friend data.

Sample responses

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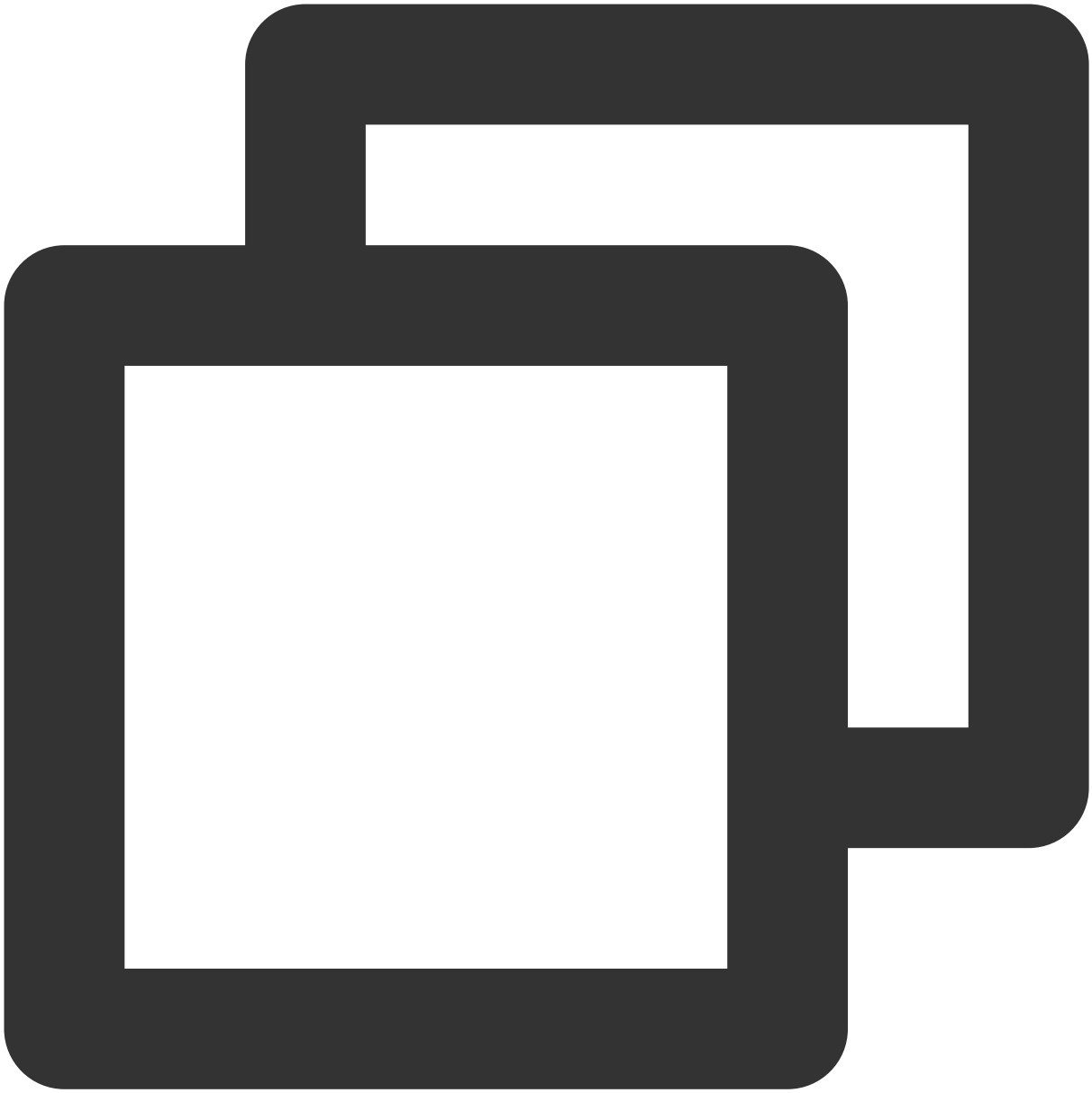

```
{
    "UserDataItem": [
        {
            "To_Account": "id1",
            "ValueItem": [
                {
                    "Tag": "Tag_SNS_IM_AddSource",
                    "Value": "AddSource_Type_Android"
                },
                {
                    "Tag": "Tag_SNS_IM_Remark",
```

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```
                    "Value": "Remark1"
                },
                {
                    "Tag": "Tag_SNS_IM_Group",
                    "Value":["Group1","Group2"]
                },
                {
                    "Tag": "Tag_SNS_IM_AddTime",
                    "Value": 1563867420
                },
                {
                    "Tag": "Tag_SNS_Custom_Test",
                    "Value": "CustomData1"
                }
            ]
        },
        {
            "To_Account": "id2",
            "ValueItem": [
                {
                    "Tag": "Tag_SNS_IM_AddSource",
                    "Value": "AddSource_Type_IOS"
                },
                {
                    "Tag": "Tag_SNS_IM_Group",
                    "Value":["Group1"]
                },
                {
                    "Tag": "Tag_SNS_IM_AddTime",
                    "Value": 1563867425
                }
            ]
        }
    ],
    "StandardSequence": 88,
    "CustomSequence": 46,
    "FriendNum": 20,
    "CompleteFlag": 1,
    "NextStartIndex": 0,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```


Response fields

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Field	Type	Description
UserDataItem	Array	The friend object array. Each friend object contains a `To_Account` field and a `ValueItem` array.
To_Account	String	The UserID of a friend
ValueItem	Array	The array for storing friend data. Each array element contains a `Tag` field and a `Value` field.
Tag	String	The name of a friend field
Value	String/Integer/Array	The value of the friend field. For more information, see Relationship Chain Fields.
StandardSequence	Integer	The sequence for standard friend data. The client can save this sequence and return it to the backend via the `StandardSequence` field in the next request.
CustomSequence	Integer	The sequence for custom friend data. The client can save this sequence and return it to the backend via the `CustomSequence` field in the next request.
FriendNum	Integer	The total number of friends
CompleteFlag	Integer	The ending tag of the page. A non-zero value indicates that all friend data is pulled.
NextStartIndex	Integer	The starting point of the next page
ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively.

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For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Adding Friends
Importing Friends
Updating Friends
Deleting Friends
Deleting All Friends
Verifying Friends
Pulling Specified Friends

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Pulling Specified Friends

Last updated：2024-07-16 11:25:50

Feature Overview

This API allows you to pull the data and profiles of specified friends.
We recommend that you pull no more than 100 friends at a time to avoid response packet failure due to excessive data volume.

API Calling Description

Request URL

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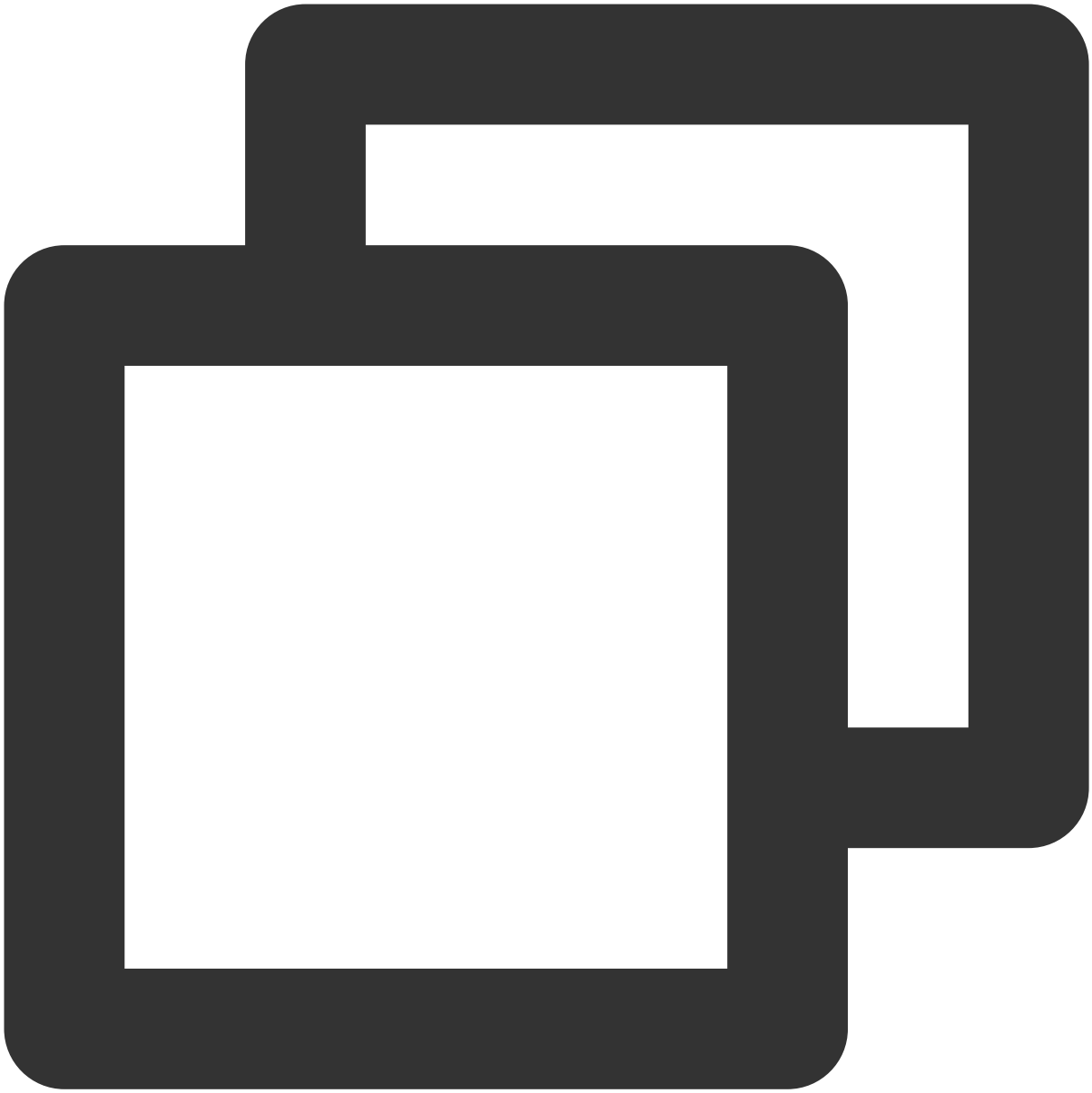

```
https://xxxxxx/v4/sns/friend_get_list?sdkappid=88888888&identifier=admin&usersig=xx
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/friend_get_list	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

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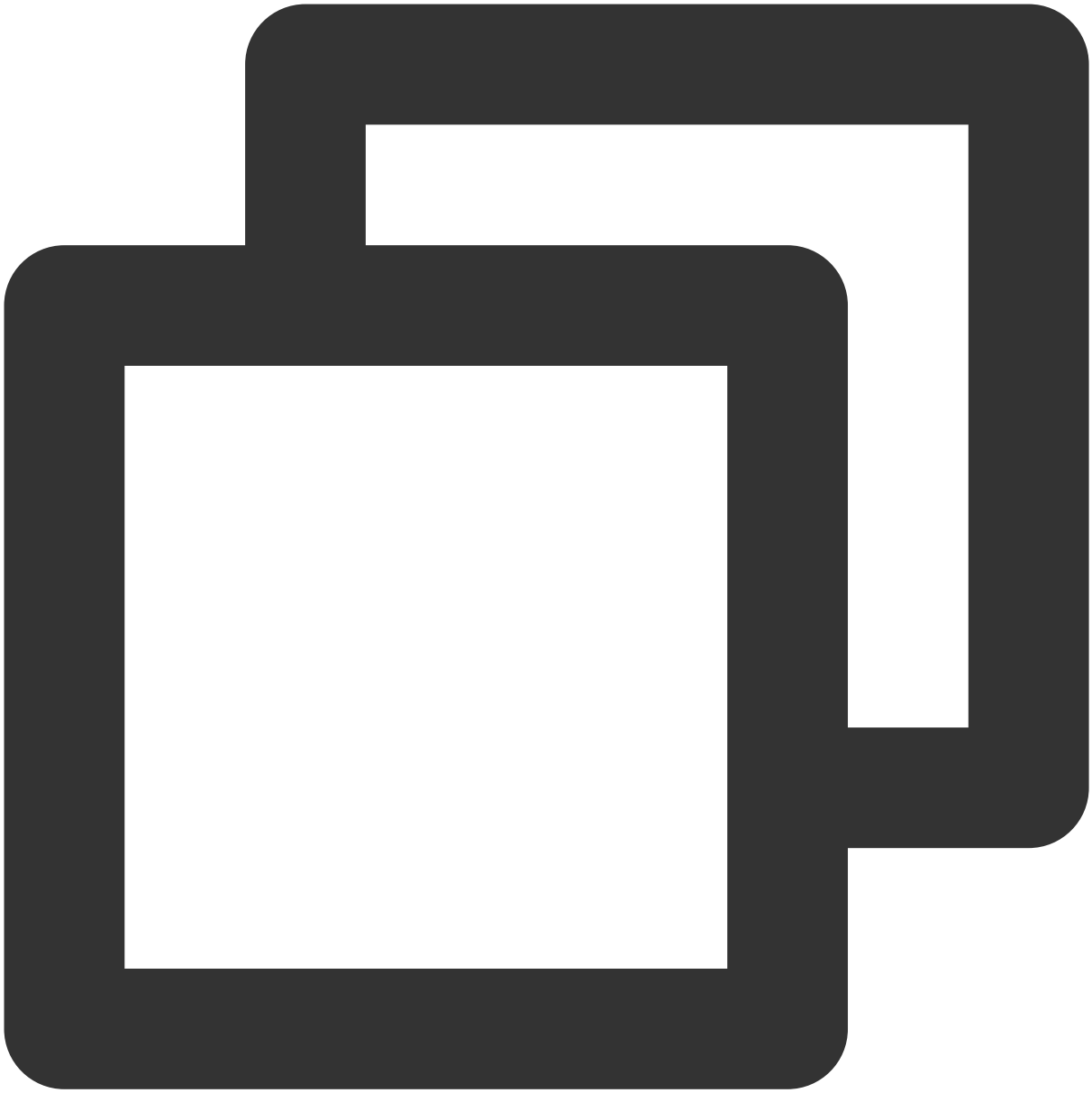

```
{
  "From_Account":"UserID_1",
  "To_Account":
  [
      "UserID_2"
  ],
  "TagList":
  [
      "Tag_Profile_Custom_Test",
      "Tag_Profile_IM_Image",
      "Tag_Profile_IM_Nick",
```

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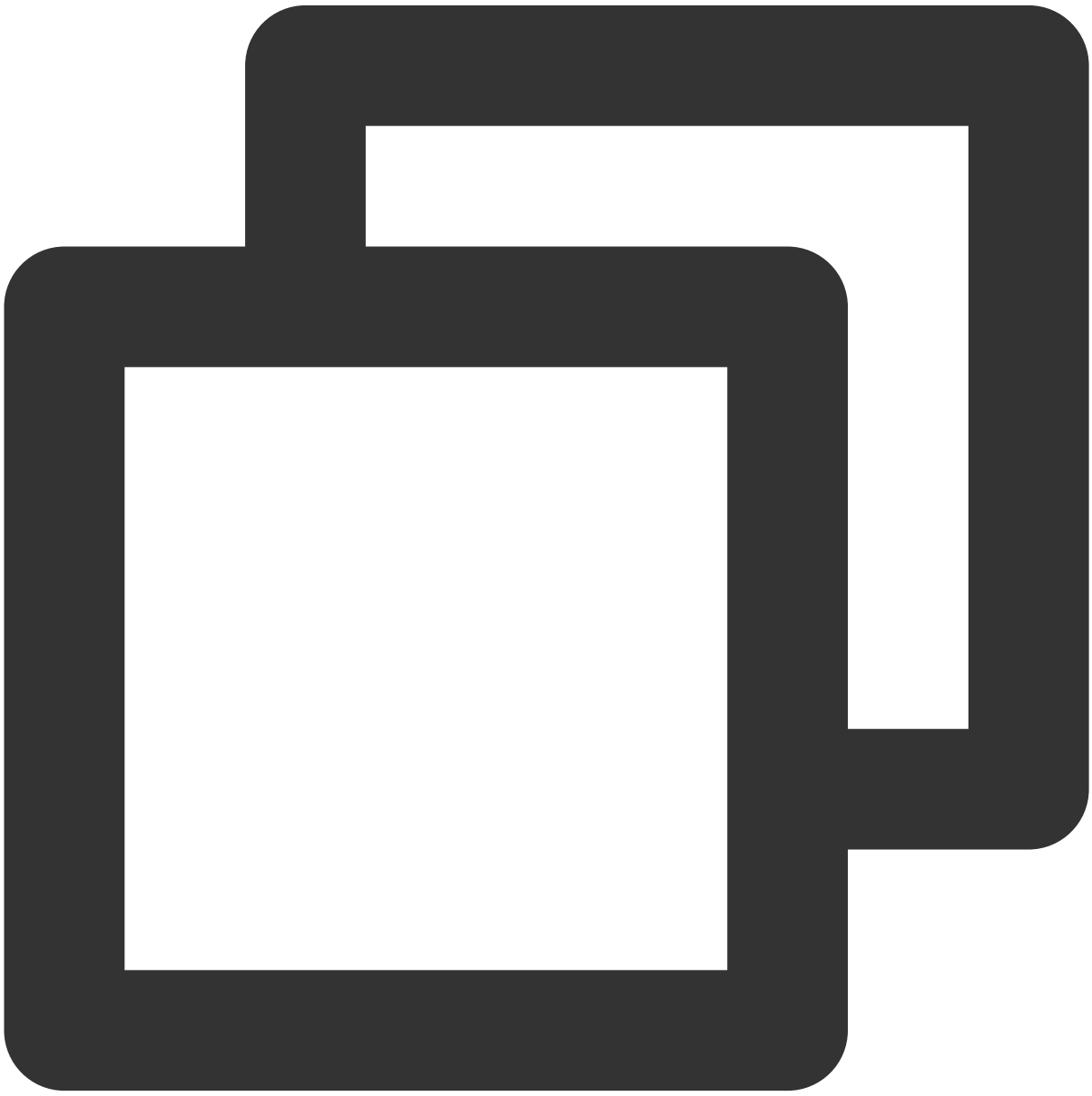
```
        "Tag_SNS_Custom_Test",
        "Tag_SNS_IM_Remark",
        "Tag_SNS_IM_Group"
    ]
}
```

Response to a batch request



```
{
    "From_Account":"UserID_1",
    "To_Account":
    [
```

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```
        "UserID_2",
        "UserID_3",
        "UserID_4"
    ],
    "TagList":
    [
        "Tag_Profile_Custom_Test",
        "Tag_Profile_IM_Image",
        "Tag_Profile_IM_Nick",
        "Tag_SNS_Custom_Test",
        "Tag_SNS_IM_Remark",
        "Tag_SNS_IM_Group"
    ]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID of the account that requests to pull friend data.
To_Account	Array	Yes	The list of friend UserIDs. We recommend that you pull no more than 100 friends at a time to avoid response packet failure due to excessive data volume.
TagList	Array	Yes	This specifies the following profile fields and friend fields to be pulled: Standard profile fields Custom profile fields Standard friend fields Custom friend fields

Sample response

Response to a basic or complete request

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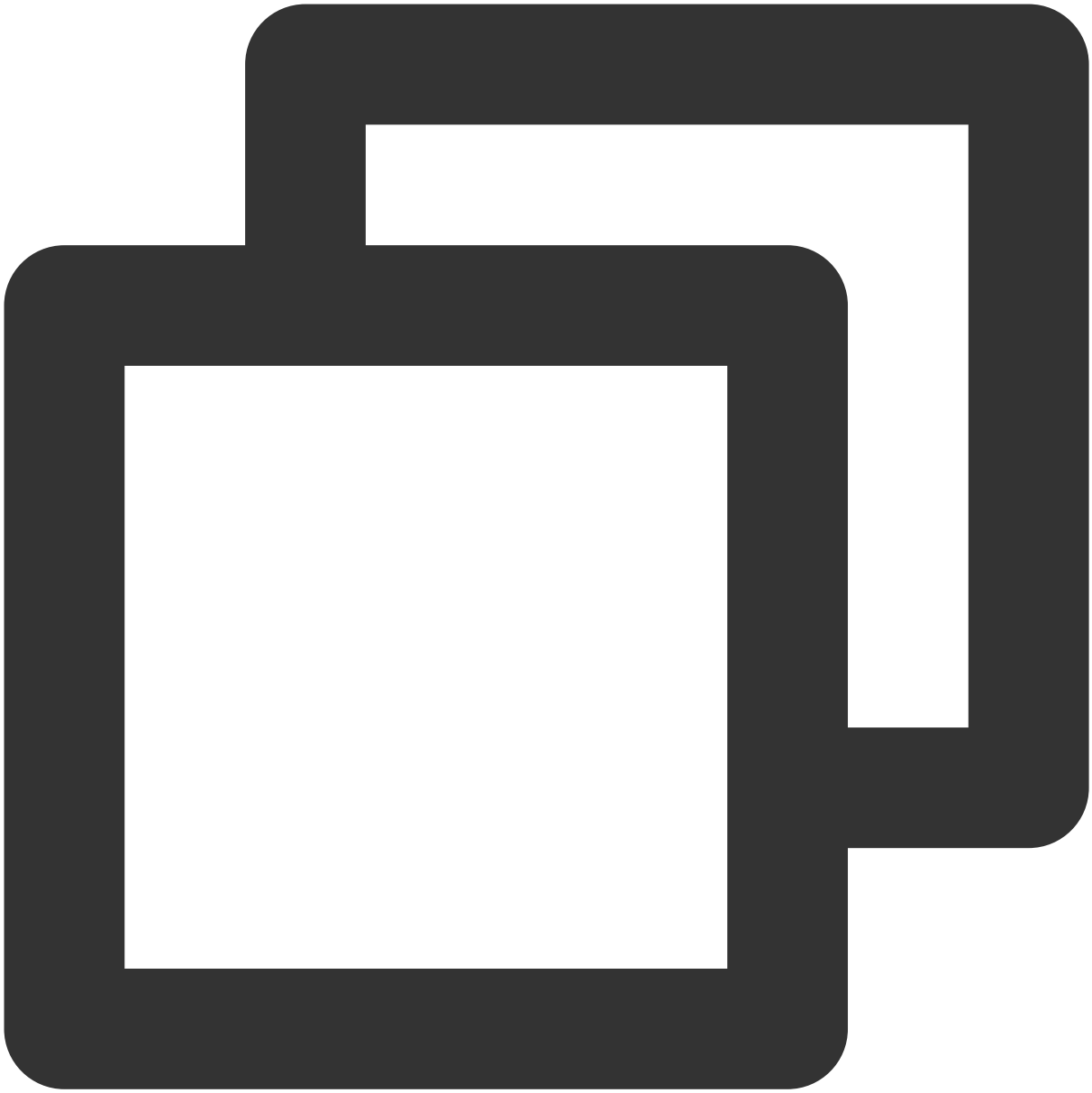

```
{
  "InfoItem": [
      {
          "To_Account": "UserID_2",
          "SnsProfileItem": [
              {
                  "Tag": "Tag_SNS_IM_Remark",
                  "Value": "remark_2"
              },
              {
                  "Tag": "Tag_SNS_IM_Group",
```

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```
                    "Value": ["group1","group2"]
                },
                {
                    "Tag": "Tag_Profile_IM_Nick",
                    "Value": "nick_2"
                },
                {
                    "Tag": "Tag_SNS_Custom_Test",
                    "Value": "custom_sns_2"
                },
                {
                    "Tag": "Tag_Profile_Custom_Test",
                    "Value": "custom_profile_2"
                }
            ],
            "ResultCode": 0,
            "ResultInfo": ""
        }
    ],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Pulling specified friends in batches

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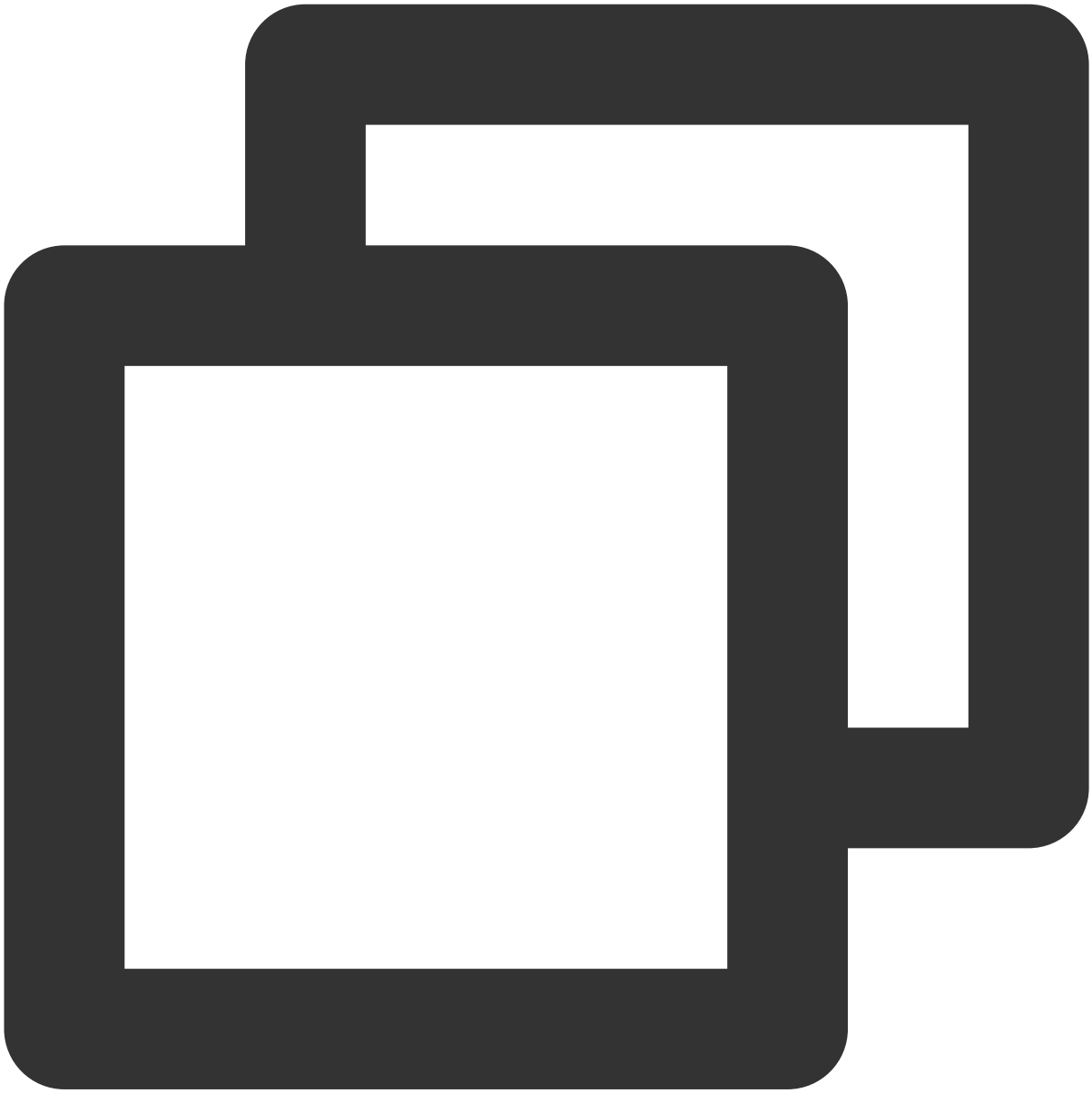

```
{
    "InfoItem": [
        {
            "To_Account": "UserID_2",
            "SnsProfileItem": [
                {
                    "Tag": "Tag_SNS_IM_Remark",
                    "Value": "remark_2"
                },
                {
                    "Tag": "Tag_SNS_IM_Group",
```

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```
                    "Value": ["group1","group2"]
                },
                {
                    "Tag": "Tag_Profile_IM_Nick",
                    "Value": "nick_2"
                },
                {
                    "Tag": "Tag_SNS_Custom_Test",
                    "Value": "custom_sns_2"
                },
                {
                    "Tag": "Tag_Profile_Custom_Test",
                    "Value": "custom_profile_2"
                }
            ],
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "UserID_3",
            "SnsProfileItem": [
                {
                    "Tag": "Tag_SNS_IM_Remark",
                    "Value": "remark_3"
                },
                {
                    "Tag": "Tag_Profile_IM_Nick",
                    "Value": "nick_3"
                },
                {
                    "Tag": "Tag_Profile_Custom_Test",
                    "Value": "custom_profile_3"
                }
            ],
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "UserID_4",
            "ResultCode": 30001,
            "ResultInfo": "Err_SNS_FriendGetList_Friend_Not_Exist"
        }
    ],
    "Fail_Account": [
        "UserID_4"
    ],
    "ActionStatus": "OK",
```


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```
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description
InfoItem	Array	Friend object array. Each friend object contains a `To_Account` field and a `SnsProfileItem` array.
To_Account	String	UserID of a friend
SnsProfileItem	Array	Array for storing friend data. Each array element contains a `Tag` field and a `Value` field.
Tag	String	Field name
Value	String/Integer/Array	Field value
ResultCode	Integer	The result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	The error description of `To_Account` . This field is empty if the request succeeds.
Fail_Account	Array	List of UserIDs that failed to be verified. This field is only returned when at least one user fails.
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

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The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Adding Friends
Importing Friends
Updating Friends
Deleting Friends
Deleting All Friends
Verifying Friends
Pulling Friends

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Friend Lists
Adding Lists

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to add a friend list. You can add friend lists in batches and add a specific friend to a friend list.

API Calling Description

Sample request URL

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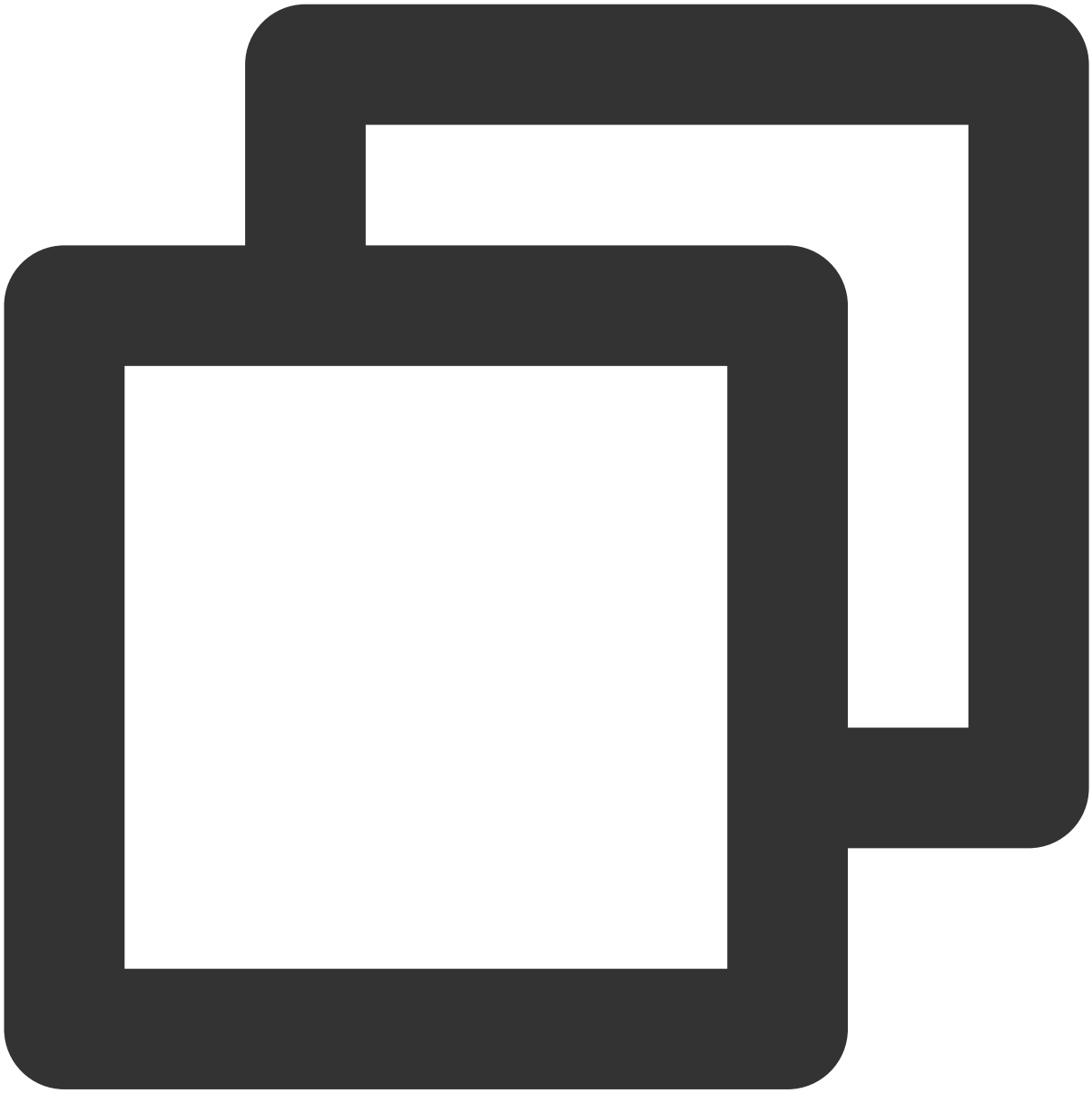

```
https://xxxxxx/v4/sns/group_add?sdkappid=88888888&identifier=admin&usersig=xxx&rand
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/sns/group_add	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

Basic format

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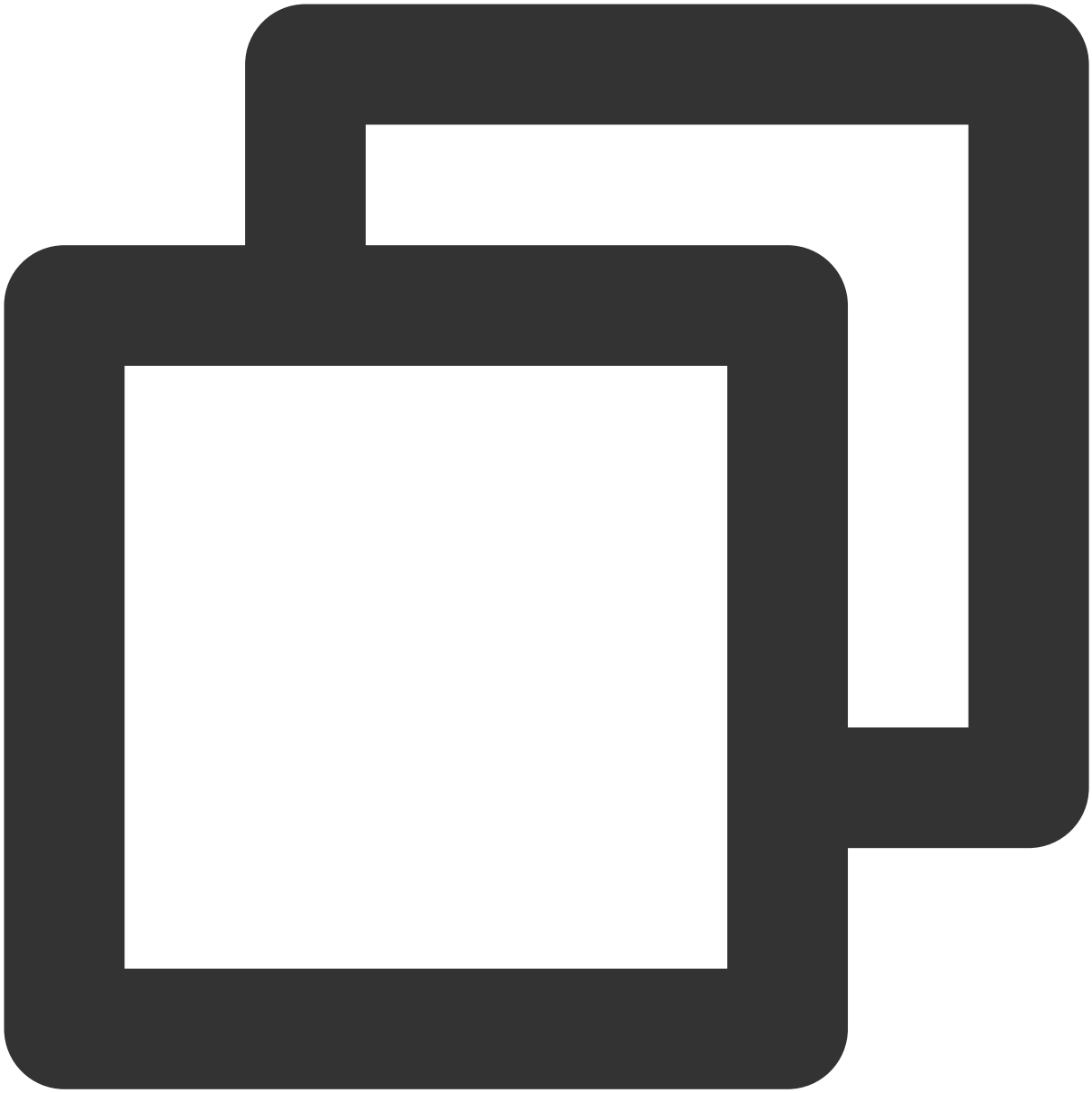

```
{
  "From_Account":"id",
  "GroupName":["group1","group2","group3"]
}
```

Complete format

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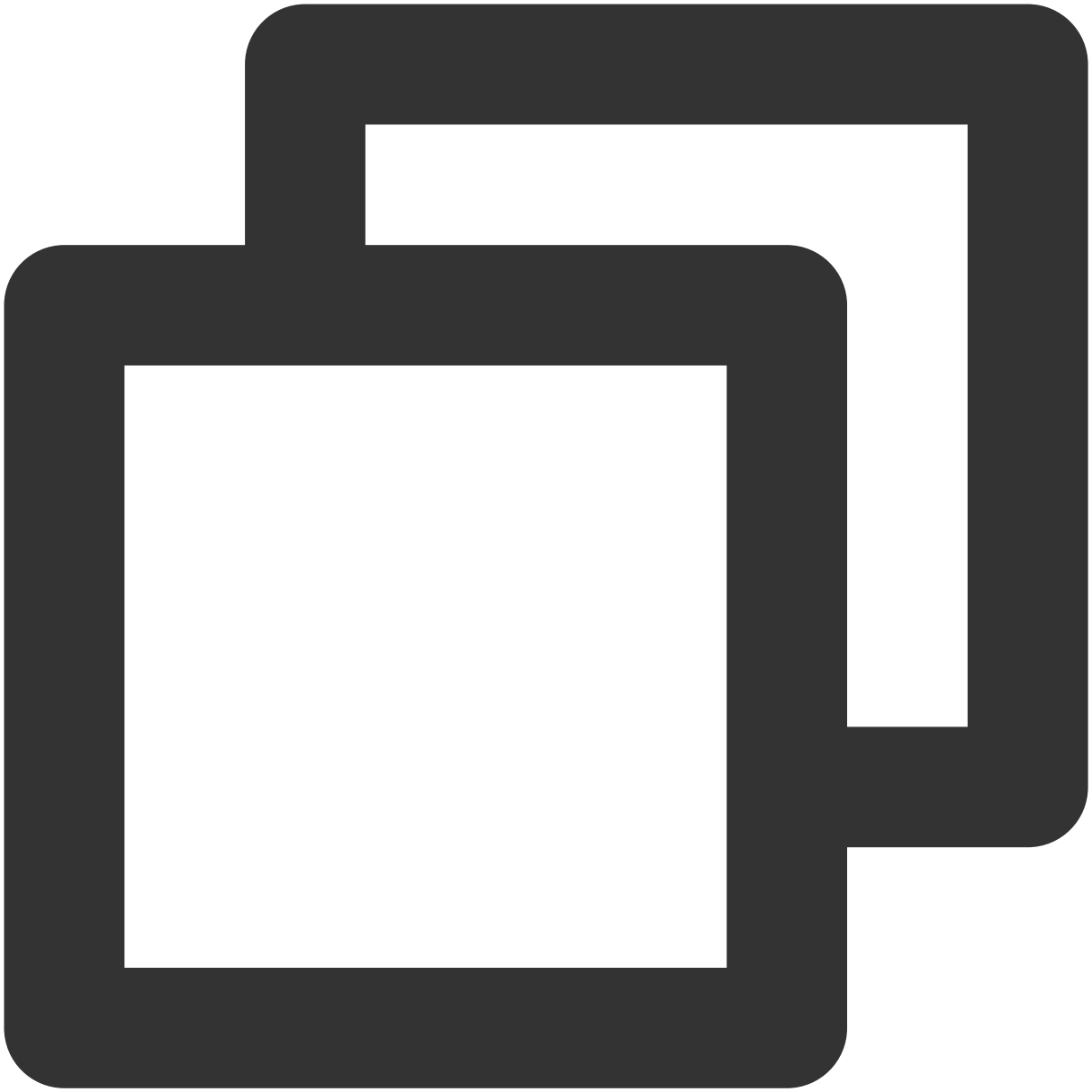

```
{
  "From_Account":"id",
  "GroupName":["group1","group2","group3"],
  "To_Account":["id1","id2","id3"]
}
```

Request fields

Field	Type	Required	Description

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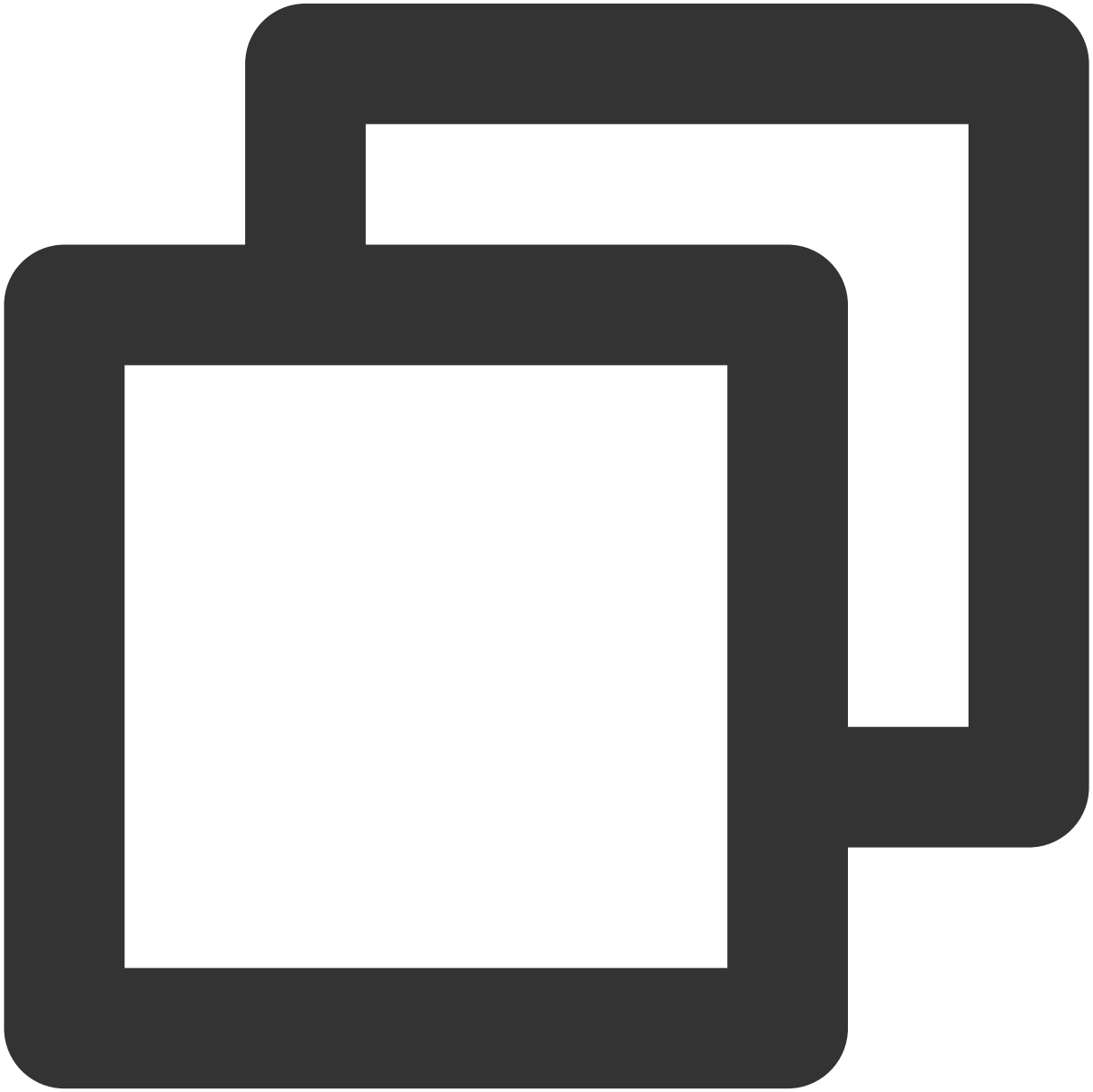
From_Account	String	Yes	UserID for which a new friend list needs to be added.
GroupName	Array	Yes	List of new friend lists.
To_Account	Array	No	UserID list of friends that need to be added to the new friend list.

Sample response

Basic format



```
{
```

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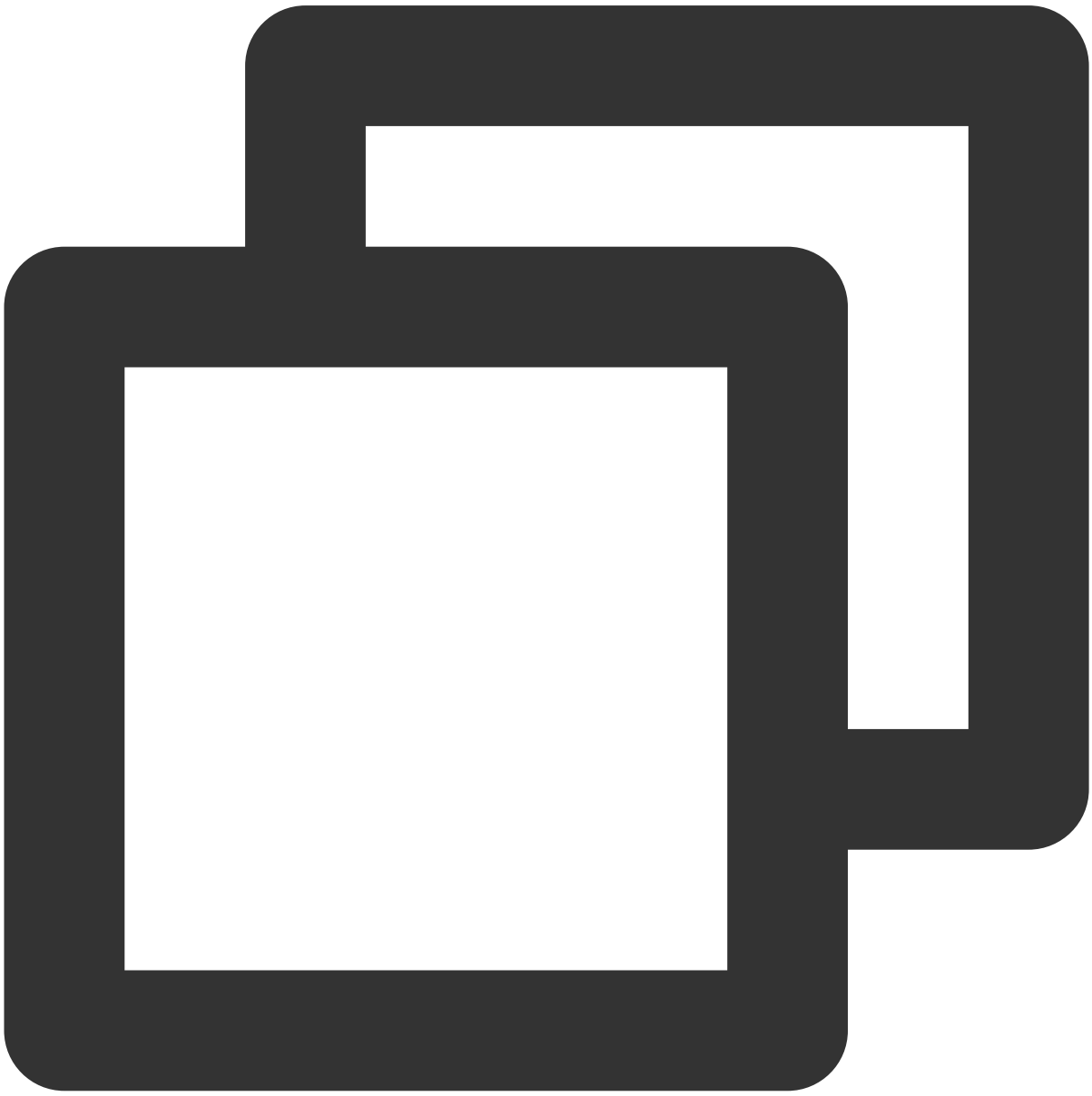
```
    "CurrentSequence": 2,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Complete format



```
{
    "ResultItem":
    [
```

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```
        {
            "To_Account": "id1",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id2",
            "ResultCode": 32216,
            "ResultInfo": "Err_SNS_GroupAdd_ToTinyId_Not_Friend"
        },
        {
            "To_Account": "id3",
            "ResultCode": 30002,
            "ResultInfo": "ERR_SDKAPPID_ILLEGAL"
        }
    ],
    "Fail_Account":["id2","id3"],
    "CurrentSequence": 3,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description
ResultItem	Array	Result object array for adding a friend to a new friend list.
To_Account	String	UserID of the friend to be added to the new friend list.
ResultCode	Integer	Result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	Error description of `To_Account` . This field is empty if the request is successful.
Fail_Account	Array	List of users whose processing failed. This field is only returned when at least one user fails.
CurrentSequence	Integer	Current sequence of the lists.
ActionStatus	String	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.

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ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.
30011	The maximum number of friend lists has been reached.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

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Deleting Lists (v4/sns/group_delete)

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Deleting Lists

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to delete specified friend lists.

API Calling Description

Sample request URL

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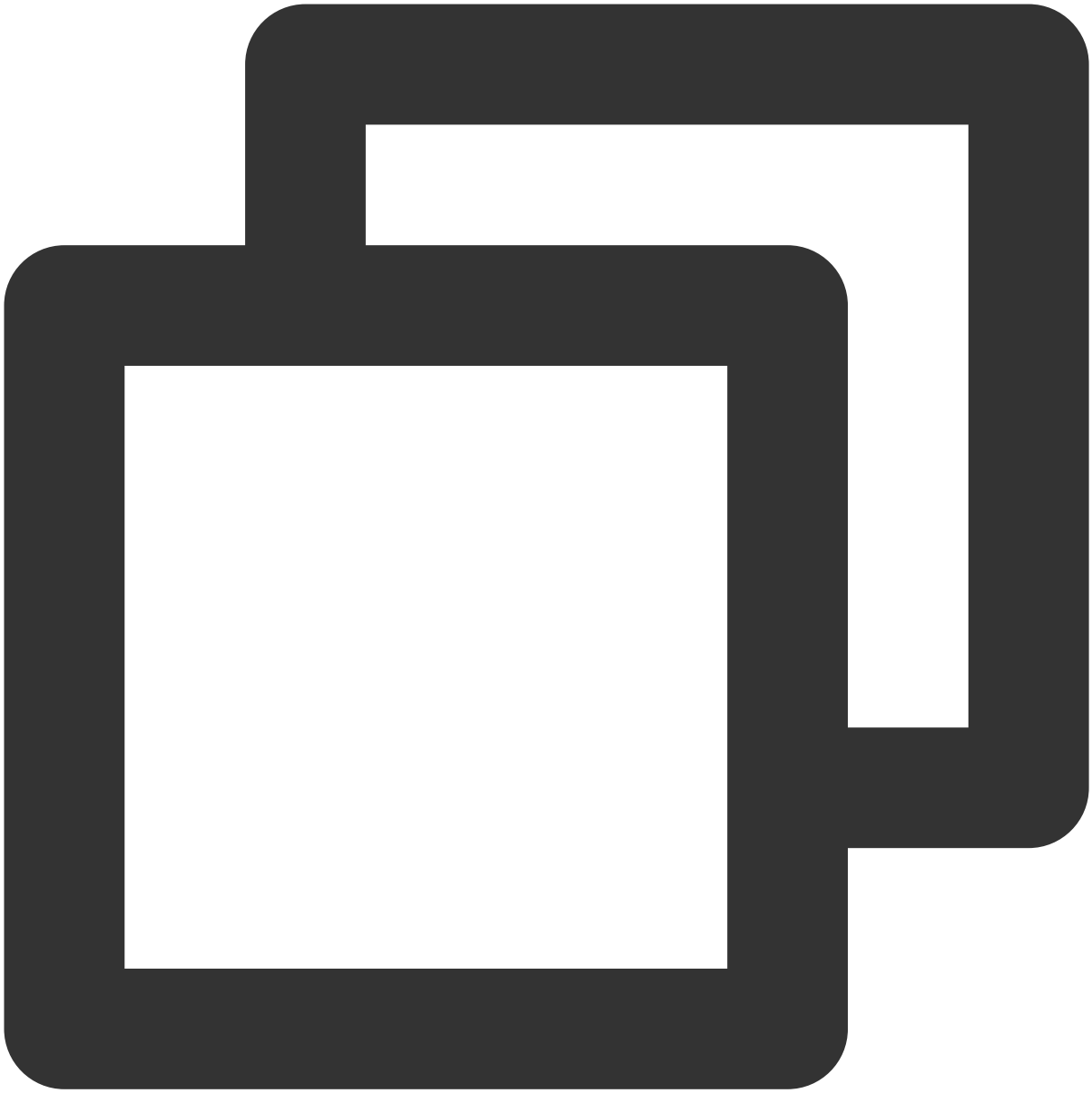

```
https://xxxxxx/v4/sns/group_delete?sdkappid=88888888&identifier=admin&usersig=xxx&r
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/sns/group_delete	Request API.
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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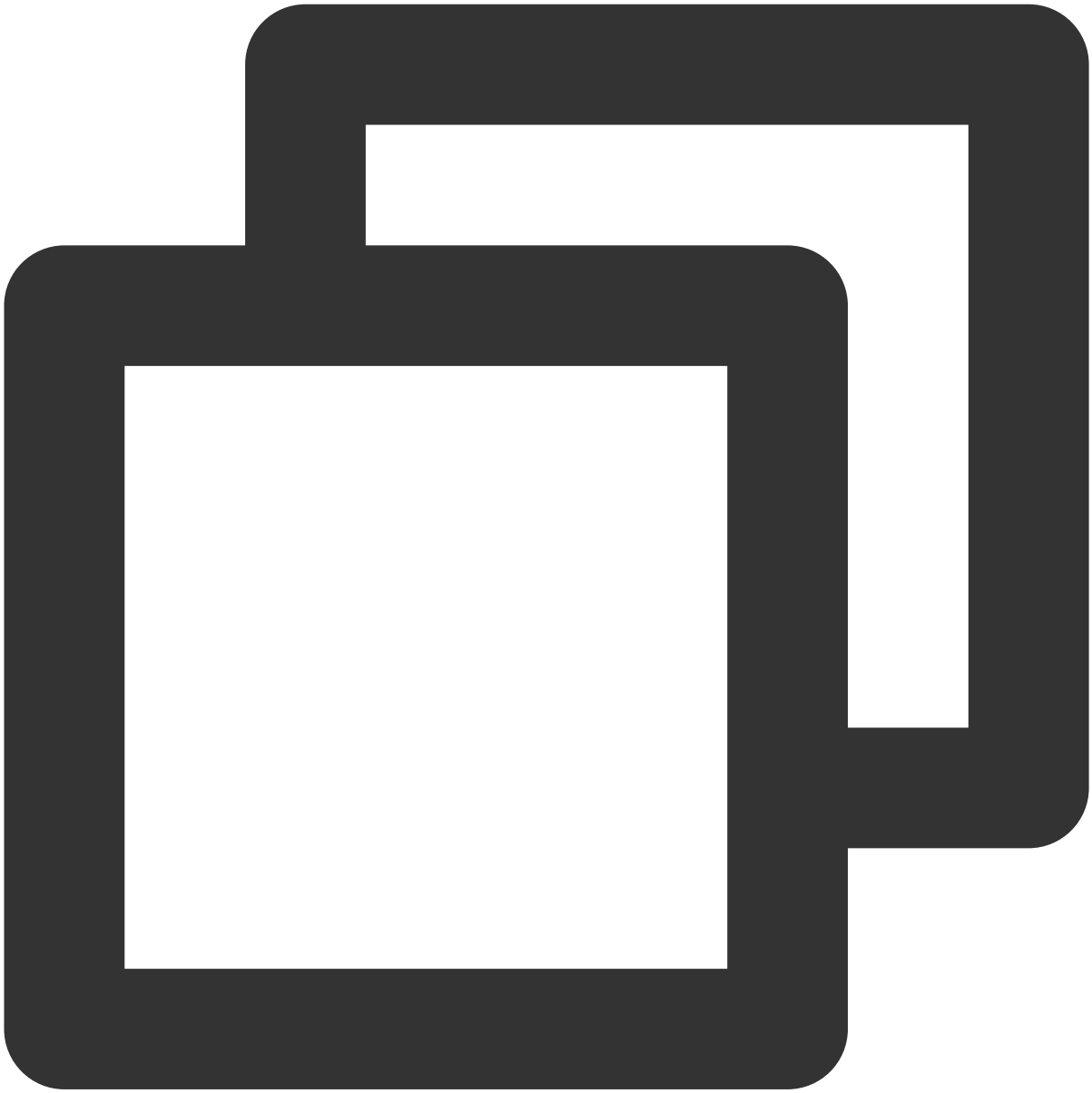

```
{
    "From_Account":"id",
    "GroupName":["group1","group2","group3"]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	`UserID` of the account for which to delete lists.

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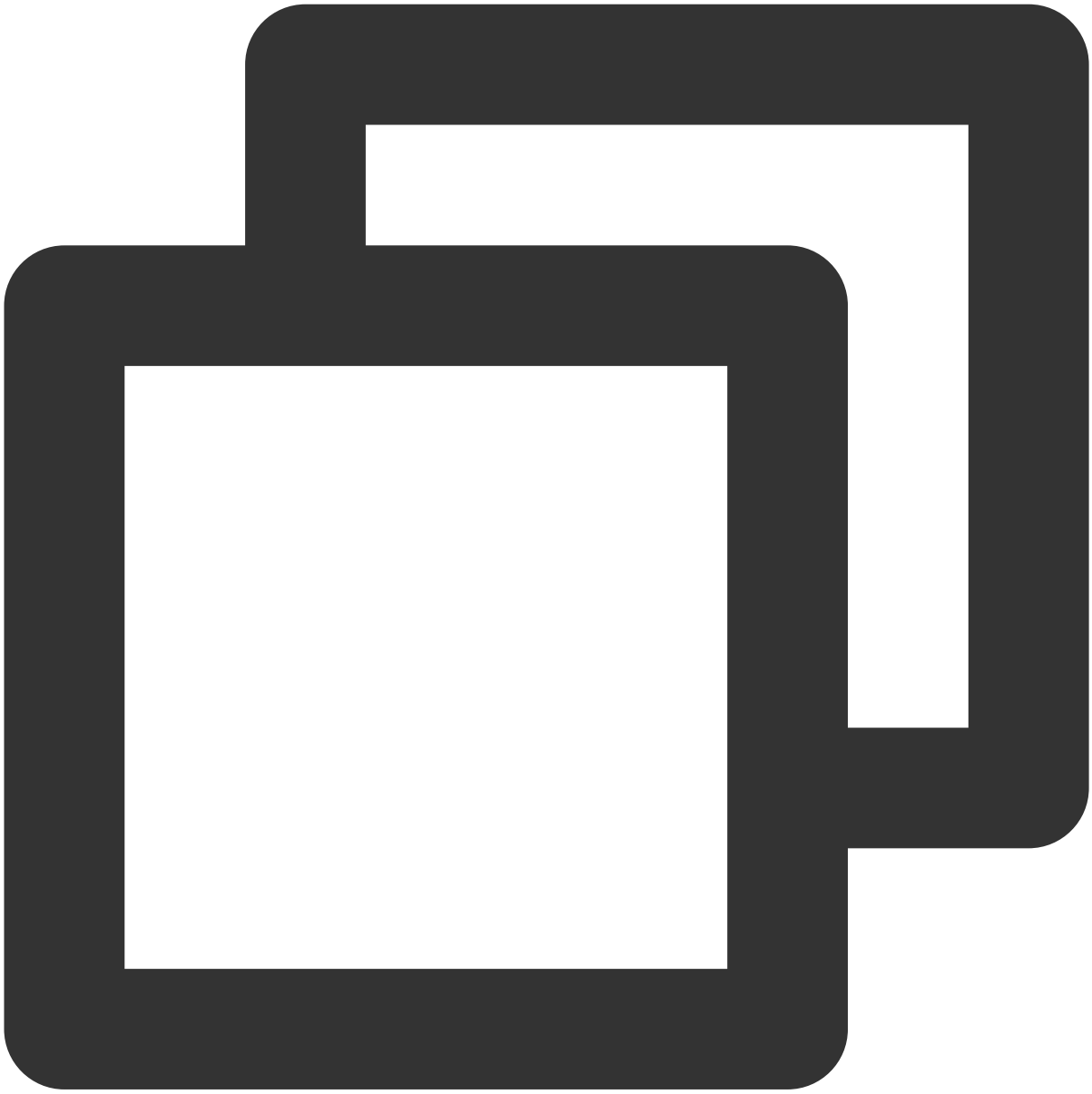
GroupName	Array	Yes	The friend lists to be deleted.

Sample response



```
{
    "CurrentSequence": 4,
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"0",
    "ErrorDisplay":""
```

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```
}
```

Response fields

Field	Type	Description
CurrentSequence	Integer	The current sequence of the lists.
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed.
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.
30008	A write conflict occurred due to concurrent write operations. You are advised to use bulk processing.

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API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

Reference

Adding Lists (v4/sns/group_add)

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Pulling Lists

Last updated：2024-07-16 11:25:50

Feature Description

This API is used to pull friend lists. You can specify the lists to pull and pull the friends in the lists.

API Calling Description

Sample request URL

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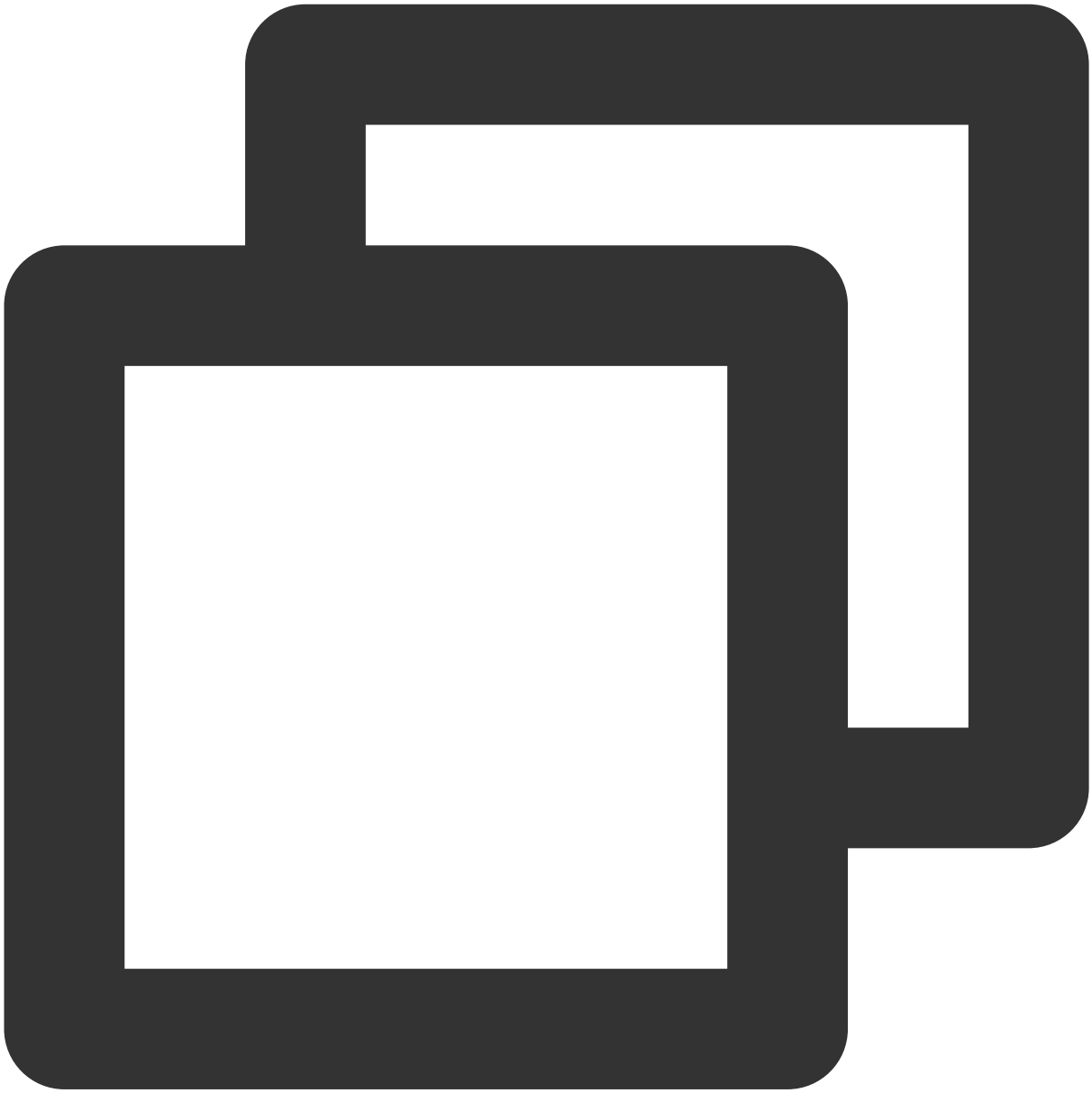

```
https://xxxxxx/v4/sns/group_get?sdkappid=88888888&identifier=admin&usersig=xxx&rand
```

Request parameters

The following table only describes the modified parameters when this API is called. For more information on other parameters, please see RESTful API Overview.

Parameter	Description

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https	The request protocol is HTTPS, and the request method is POST.
xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` India: `adminapiind.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/group_get	Request API
sdkappid	`SDKAppID` assigned by the IM console when an app is created
identifier	App admin account. For more information, please see the **App Admin** section in Login Authentication.
usersig	Signature generated in the app admin account. For details on how to generate the signature, please see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format. The value is always `json` .

Maximum calling frequency

200 calls per second

Sample request packets

Basic request

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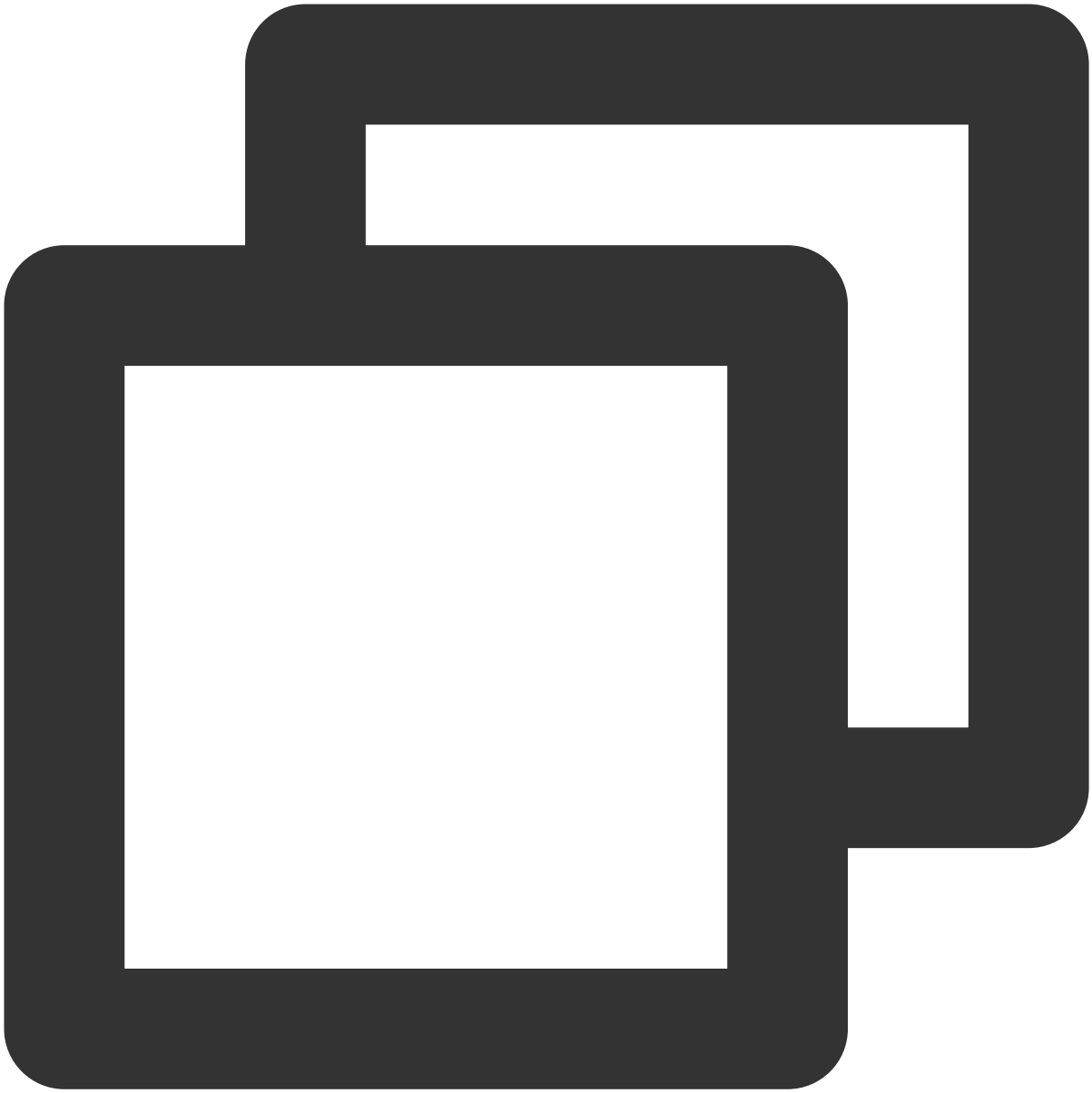

```
{
"From_Account":"id"
}
```

Complete request

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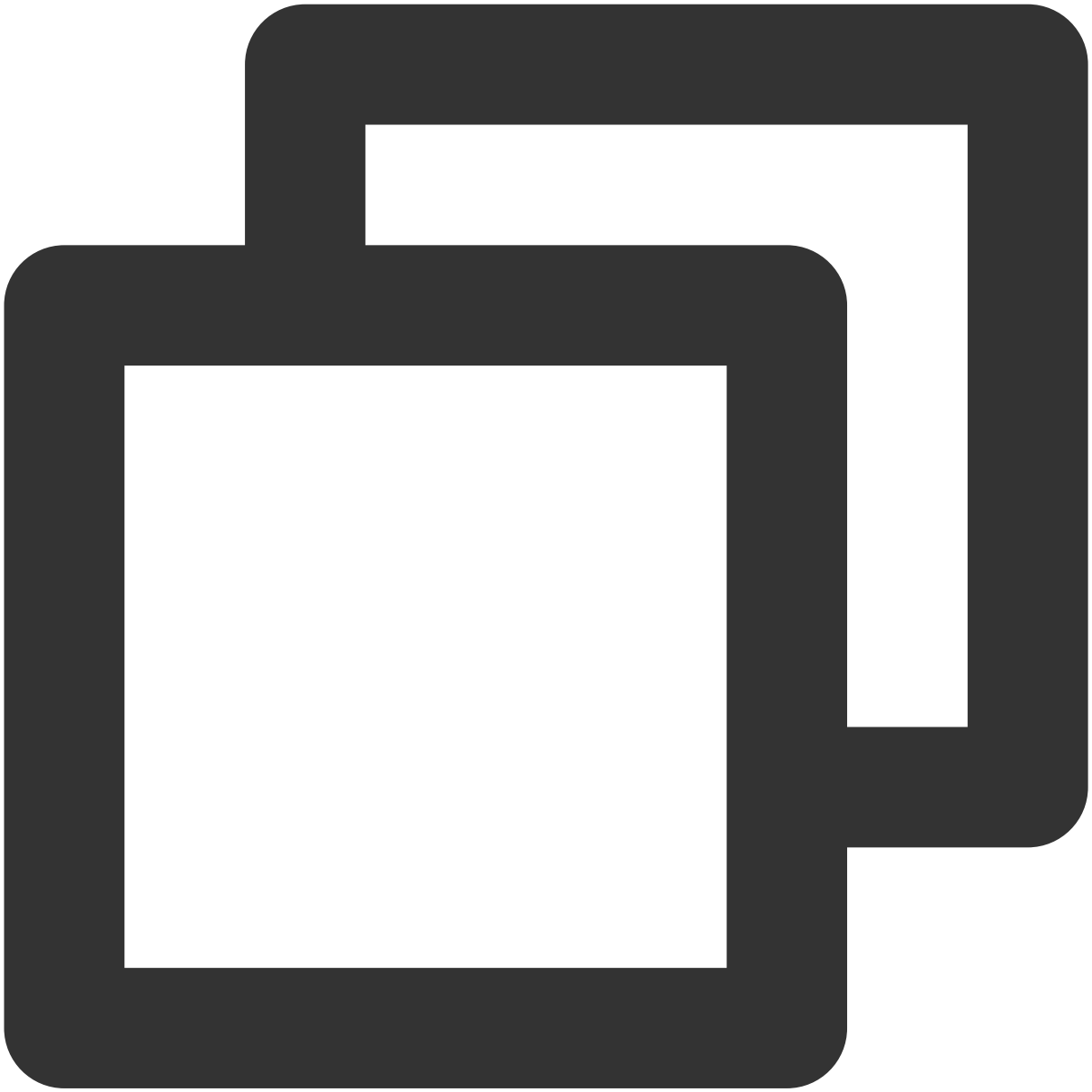

```
{
      "From_Account":"id",
      "NeedFriend":"Need_Friend_Type_Yes",
       "GroupName": [
      "group1"
```

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```
        ]

}
```

Request packet fields

Field	Type	Required	Description
From_Account	String	Yes	`UserID` of the account for which to pull friend lists
NeedFriend	String	No	Whether to pull the users in the list. `Need_Friend_Type_Yes` : pulls users. If this field is left empty, users will not be pulled. It is valid only when `GroupName` is left empty.
GroupName	Array	No	Name of the list to pull

Sample response packets

Response to a basic request

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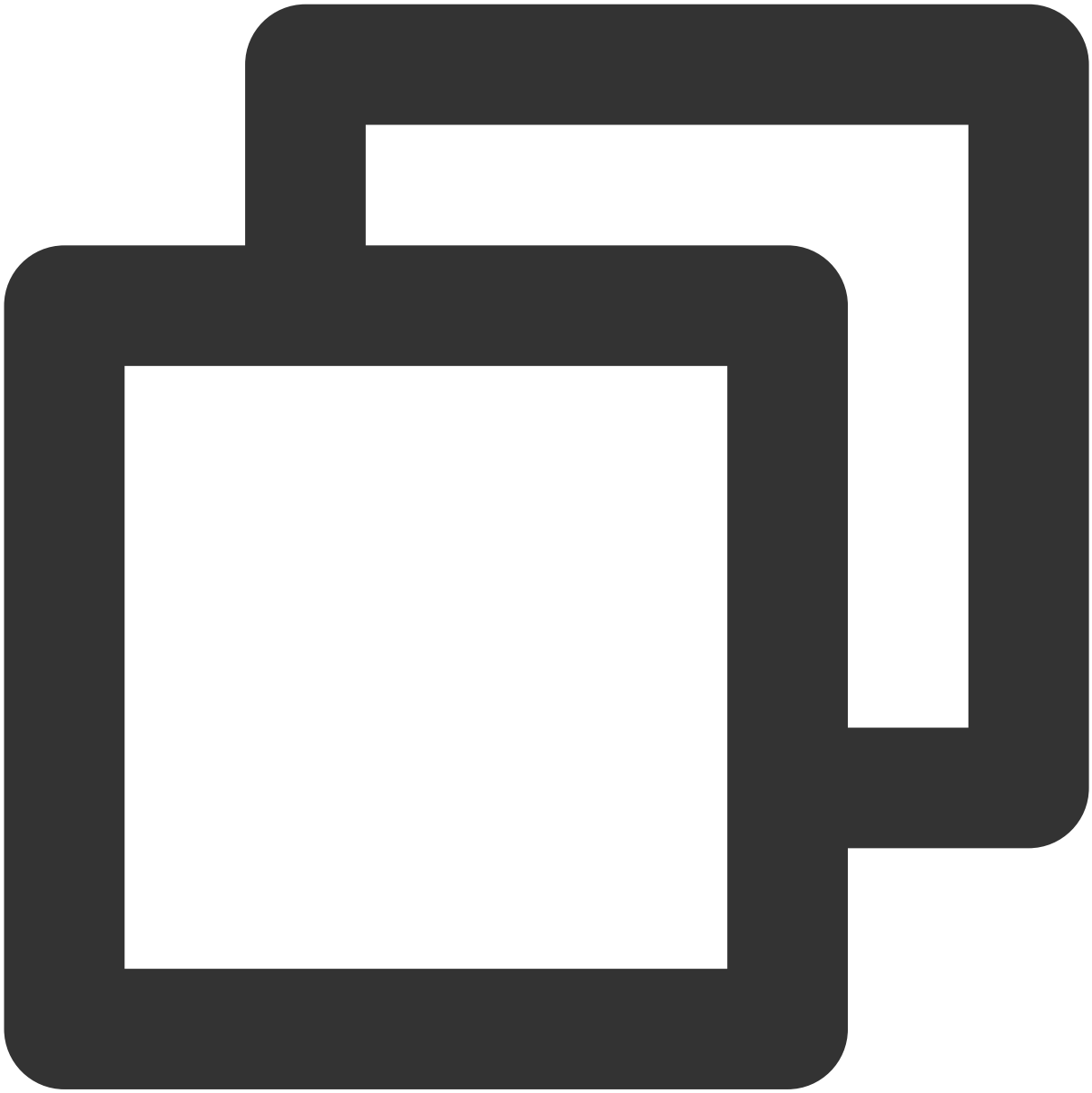

```
{
  "ResultItem": [
      {
          "GroupName": "group1",
          "FriendNumber": 1
```

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```
        },
        {
            "GroupName": "group2",
            "FriendNumber": 2
        },
        {
            "GroupName": "group3",
            "FriendNumber": 3
        }
    ],
    "CurrentSequence": 2,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response to a complete request

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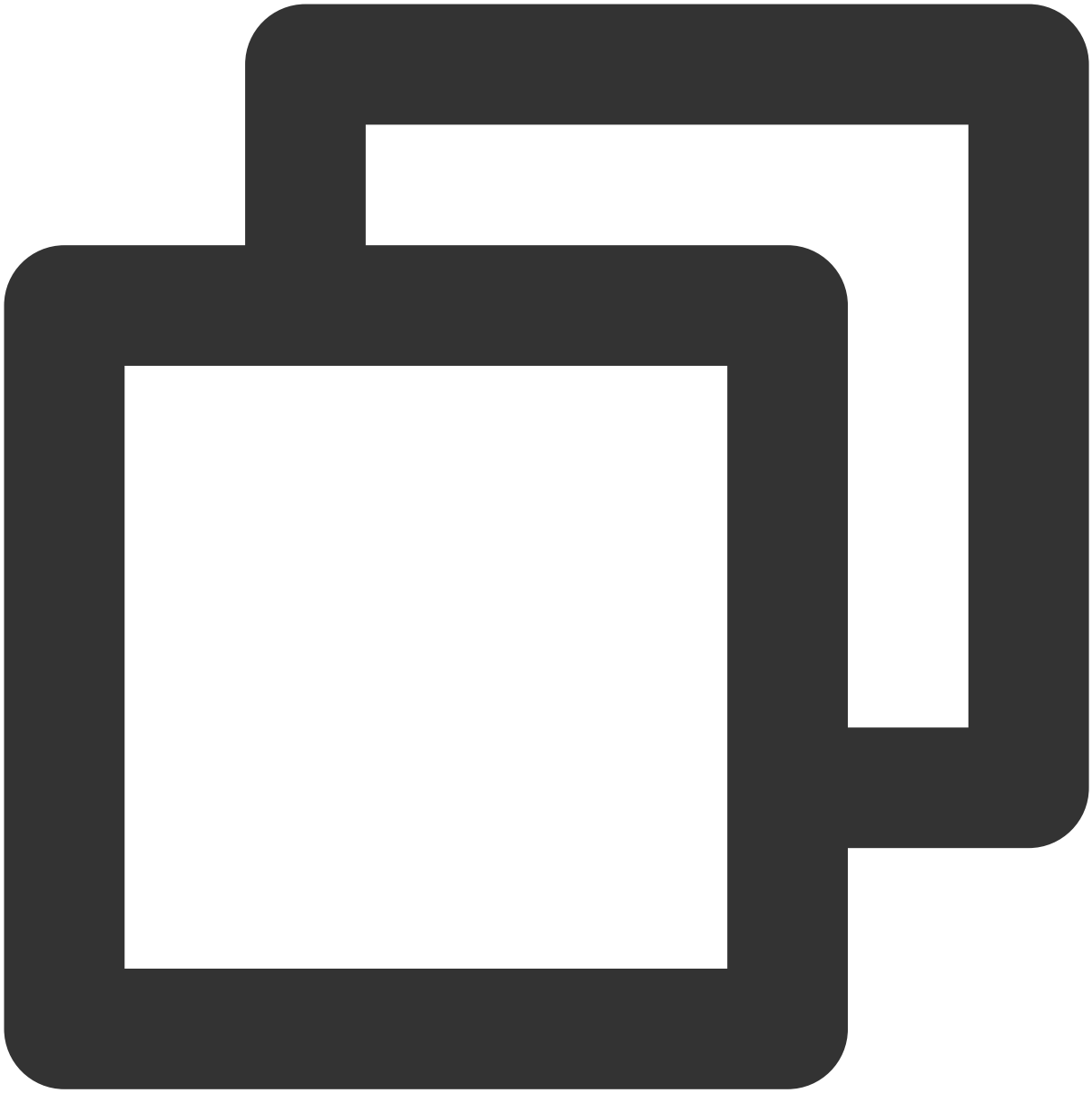

```
{
  "ResultItem": [
      {
          "GroupName": "group1",
          "FriendNumber": 1,
```

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```
            "To_Account": ["friend1"]

        }

    ],

    "CurrentSequence": 2,

    "ActionStatus": "OK",

    "ErrorCode": 0,

    "ErrorInfo": "",

    "ErrorDisplay": ""

}
```

Response packet fields

Field	Type	Description
ResultItem	Array	Result object array of pulling lists
GroupName	String	List name
FriendNumber	Integer	Number of friends in the list
To_Account	Array	`UserID` of friends in the list
CurrentSequence	Integer	Current sequence of the lists
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful; other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

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The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Adding Lists

Deleting Lists

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Blocklist

Blocklisting Users

Last updated：2024-07-16 11:25:50

API Description

This API is used to add one or multiple people to your blocklist.

Note

If users A and B are friends, either one adding the other to the blocklist removes them from each other's friend list.

If user A blocks user B, or vice versa, then neither of them can send a friend request to the other person.

If user B is on user A's blocklist and user A is also on user B's blocklist, then user A and B cannot start a conversation with each other.

-> If user B is on user A's blocklist, but user A is not on user B's blocklist, then user A can message user B but not the other way around.

API Call Description

Sample request URL

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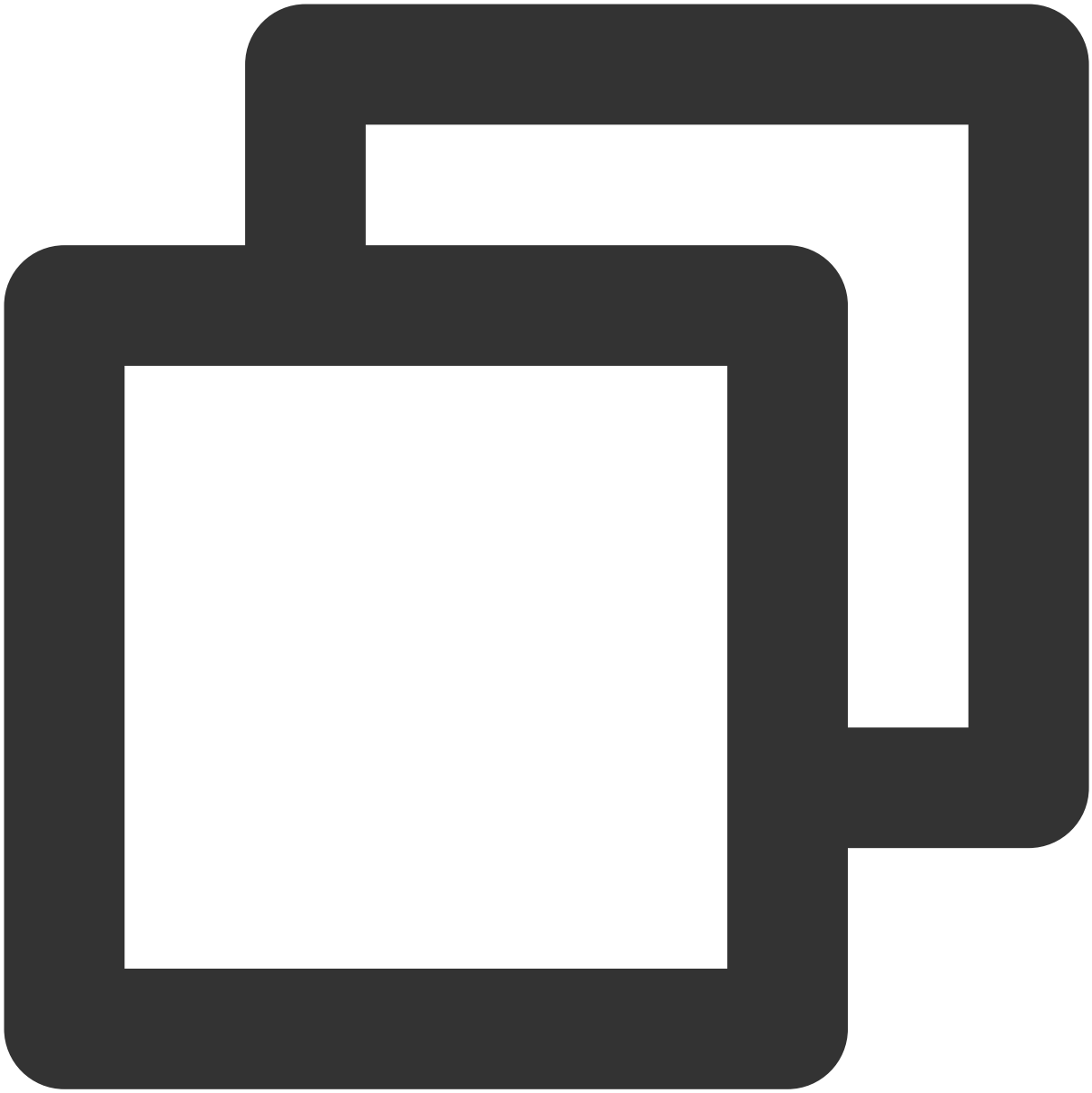

```
https://xxxxxx/v4/sns/black_list_add?sdkappid=88888888&identifier=admin&usersig=xxx
```

Request parameters

The list below contains only the parameters commonly used when calling this API and their descriptions. For more parameters, see the RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/black_list_add	Request API
sdkappid	The SDKAppID assigned by the IM console when the application is created.
identifier	The administrator account of the app. For more information, refer to App Administrator.
usersig	The signature generated in the app administrator account. For details on how to generate the signature, refer to Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is always `json` .

Maximum call frequency

200 calls per second

Sample request

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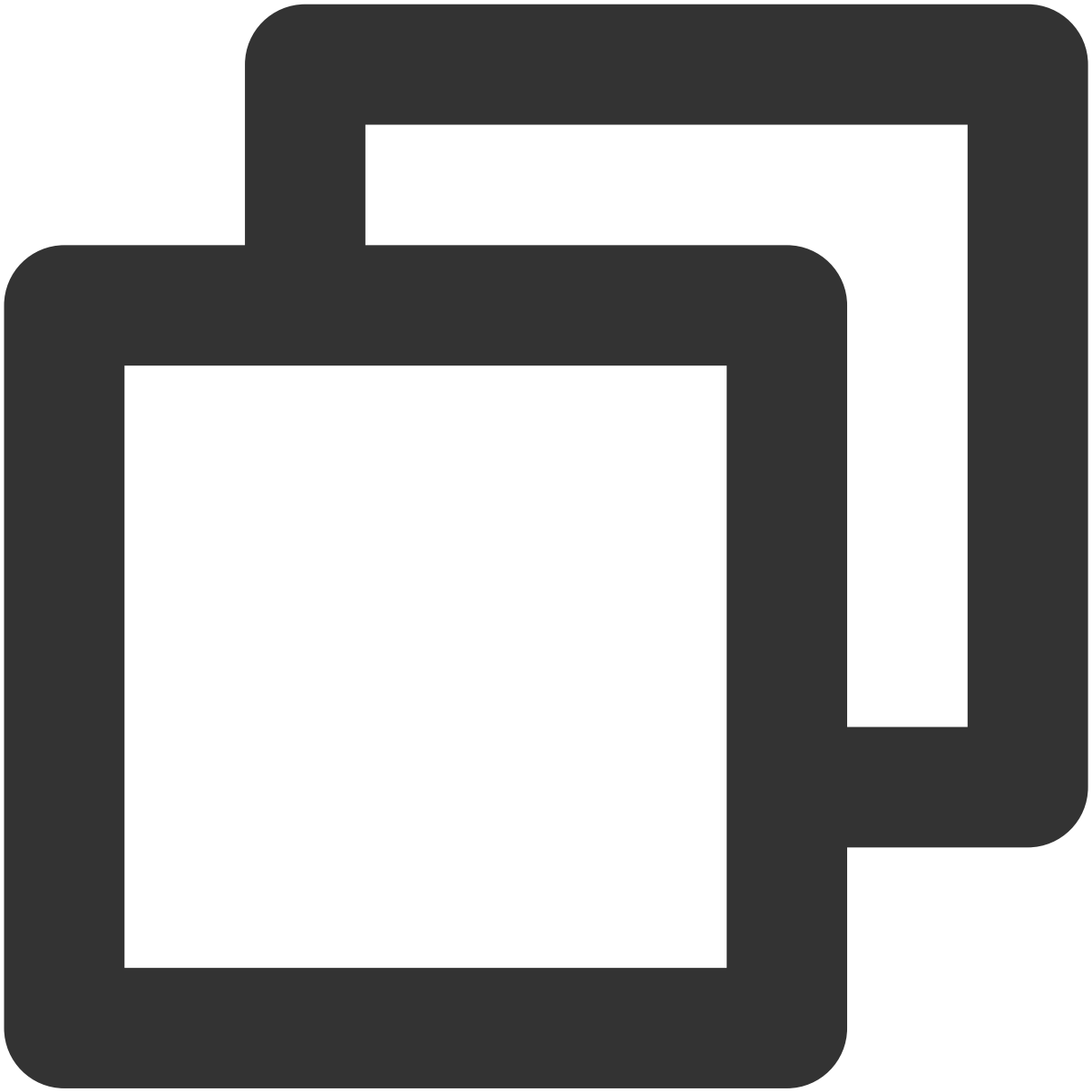

```
{
    "From_Account":"id",
    "To_Account":["id1","id2","id3"]
}
```

Request fields

Field	Type	Required	Description
From_Account	String	Yes	The UserID that initiates the blocklist request.

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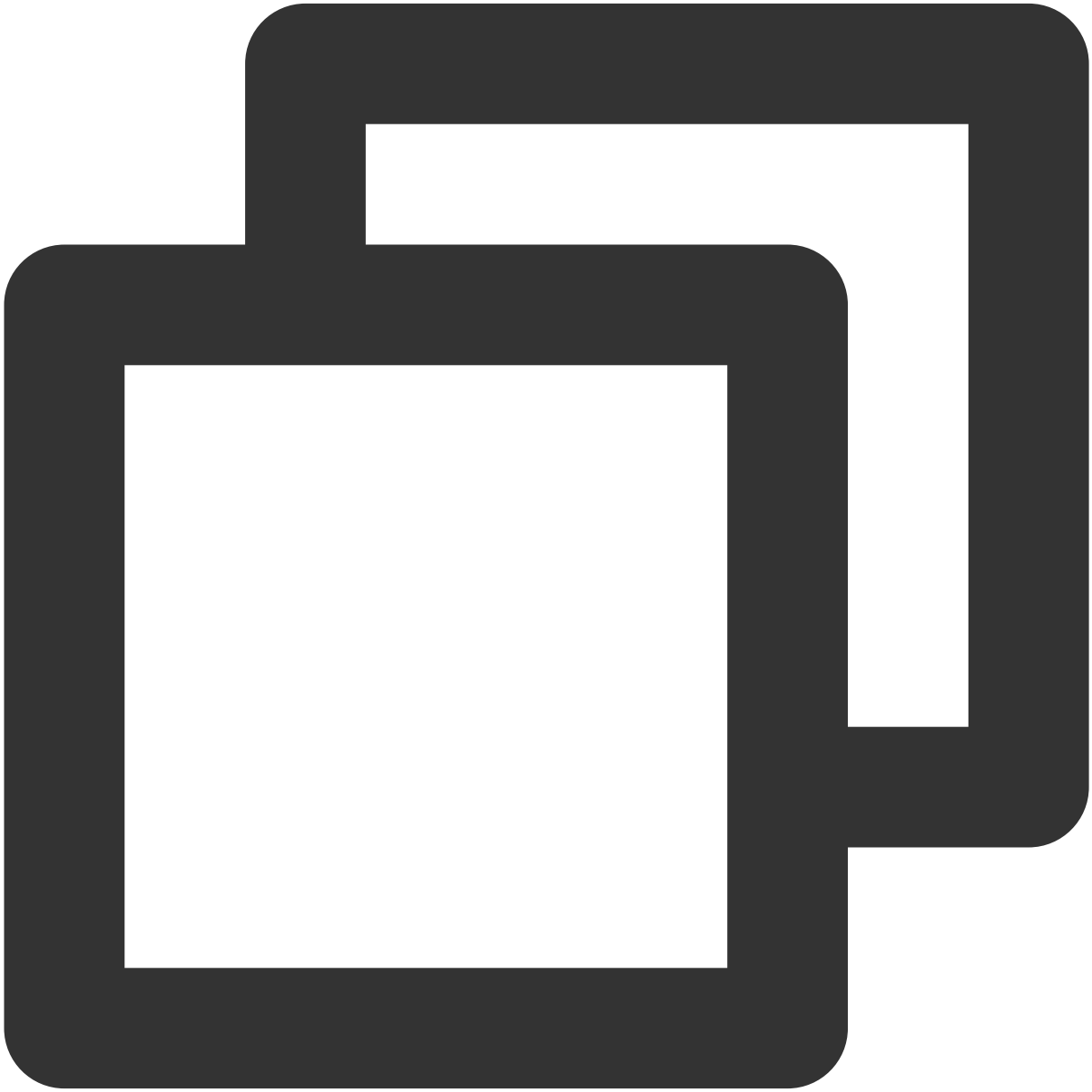
To_Account	Array	Yes	A list of UserIDs to be added to the blocklist. This array should not contain more than 1000 UserIDs.

Sample response



```
{
    "ResultItem":
    [
        {
            "To_Account":"id1",
```

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```
            "ResultCode":0,
            "ResultInfo":""
        },
        {
            "To_Account":"id2",
            "ResultCode":30001,
            "ResultInfo":"Err_SNS_BlackListAdd_Already_Exist"
        },
        {
            "To_Account":"id3",
            "ResultCode":30002,
            "ResultInfo":"Err_SNS_BlackListAdd_SdkAppId_Illegal"
        }
    ],
    "Fail_Account":["id2","id3"],
    "ActionStatus":"OK",
    "ErrorCode":0,
    "ErrorInfo":"",
    "ErrorDisplay":""
}
```

Response fields

Field	Type	Description
ResultItem	Array	The result of batch blocking, which is an array of UserIDs and corresponding results.
To_Account	String	The UserID that you requested to add to blocklist.
ResultCode	Integer	The result. `0` means success and other values mean failure. For details on non-zero results, see Error Codes.
ResultInfo	String	Error description. This field is empty when the request succeeds.
Fail_Account	Array	A list of users that failed to be added to the blocklist. This field is only returned when at least one user fails.
ActionStatus	String	The result of the request. `OK` means the request is successfully handled. `FAIL` means the request failed.
ErrorCode	Integer	Error code. `0` means success and other values mean failure. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed information displayed on the client.

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Error Codes

Unless a network error (such as error 502) occurs, the returned HTTP status code for this API is always 200. The specific error code and details can be found in the response fields such as `ResultCode`, `ResultInfo`, `ErrorCode`, and `ErrorInfo`.

For public error codes (60000 to 79999), see Error Codes.

The list below contains only error codes specific to this API:

Error Code	Description
30001	Wrong request parameter. Check your request according to the error description.
30002	The SDKAppID does not match.
30003	The requested user account does not exist.
30004	The request requires app administrator permissions.
30006	Internal server error. Please try again.
30007	Request timed out. Please try again later.
30008	A write conflict has occurred due to concurrent write operations. We recommend that you use batch processing.
30013	The maximum number of blocked users has been reached.

API Debugging Tool

Use the online RESTful API debugging tool to commission this API.

See Also

Deleting a user from the blocklist

Querying a blocklist

Verifying a blocklist

Possible Callback

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Callback after adding users to the blocklist

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Unblocklisting Users

Last updated：2024-07-16 11:25:50

Feature Description

This API is used to remove one or multiple users from the blocklist.

API Invocation Description

Request URL example

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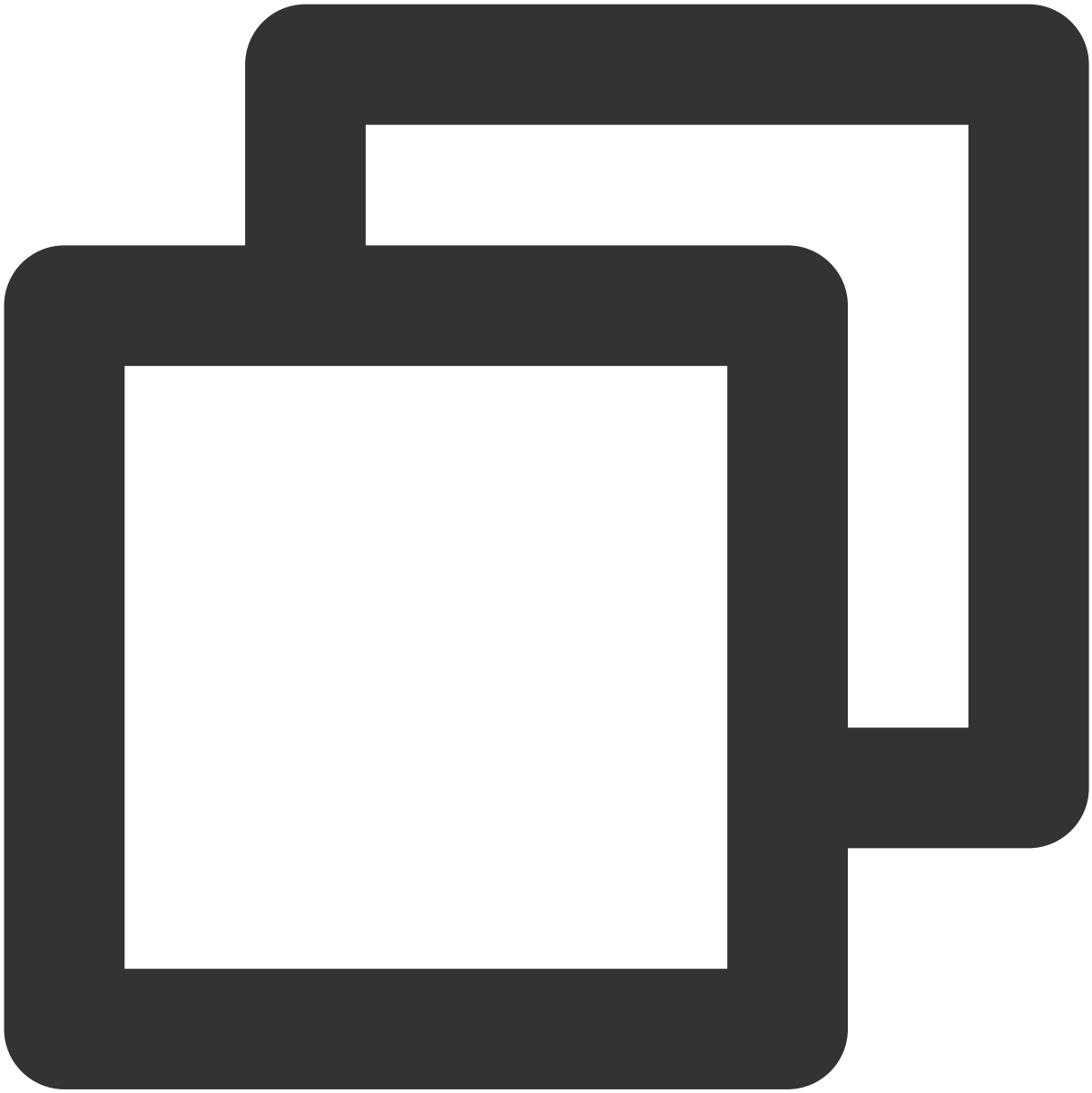

```
https://xxxxxx/v4/sns/black_list_delete?sdkappid=88888888&identifier=admin&usersig=
```

Request parameters

The following table lists and describes only the parameters to be modified when this API is invoked. For details on other parameters, see RESTful API Overview.

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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xxxxxx	The country/region where your SDKAppID is located. China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/black_list_delete	The Request API.
sdkappid	The SDKAppID assigned by the IM console when an application is created.
identifier	This must be the app admin account. For details, see App Admins.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	Enter a random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is always `json` .

Maximum invocation frequency

The maximum invocation frequency is 200 times per second.

Request packet example

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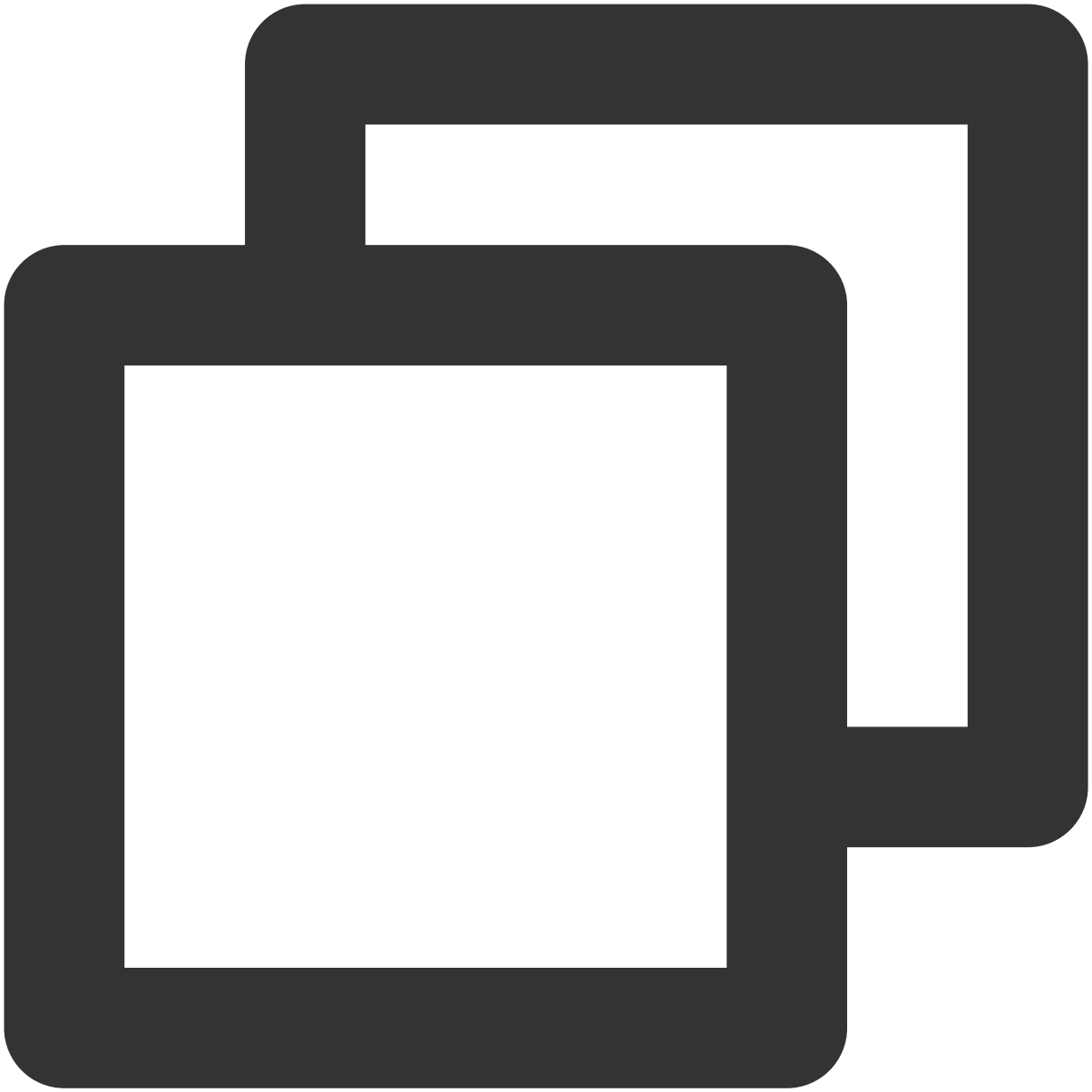

```
{
 "From_Account":"id",
 "To_Account":["id1","id2","id3"]
}
```

Request packet fields

Field	Type	Attribute	Description
From_Account	String	Required	The identifier for which specific users are to be removed from their

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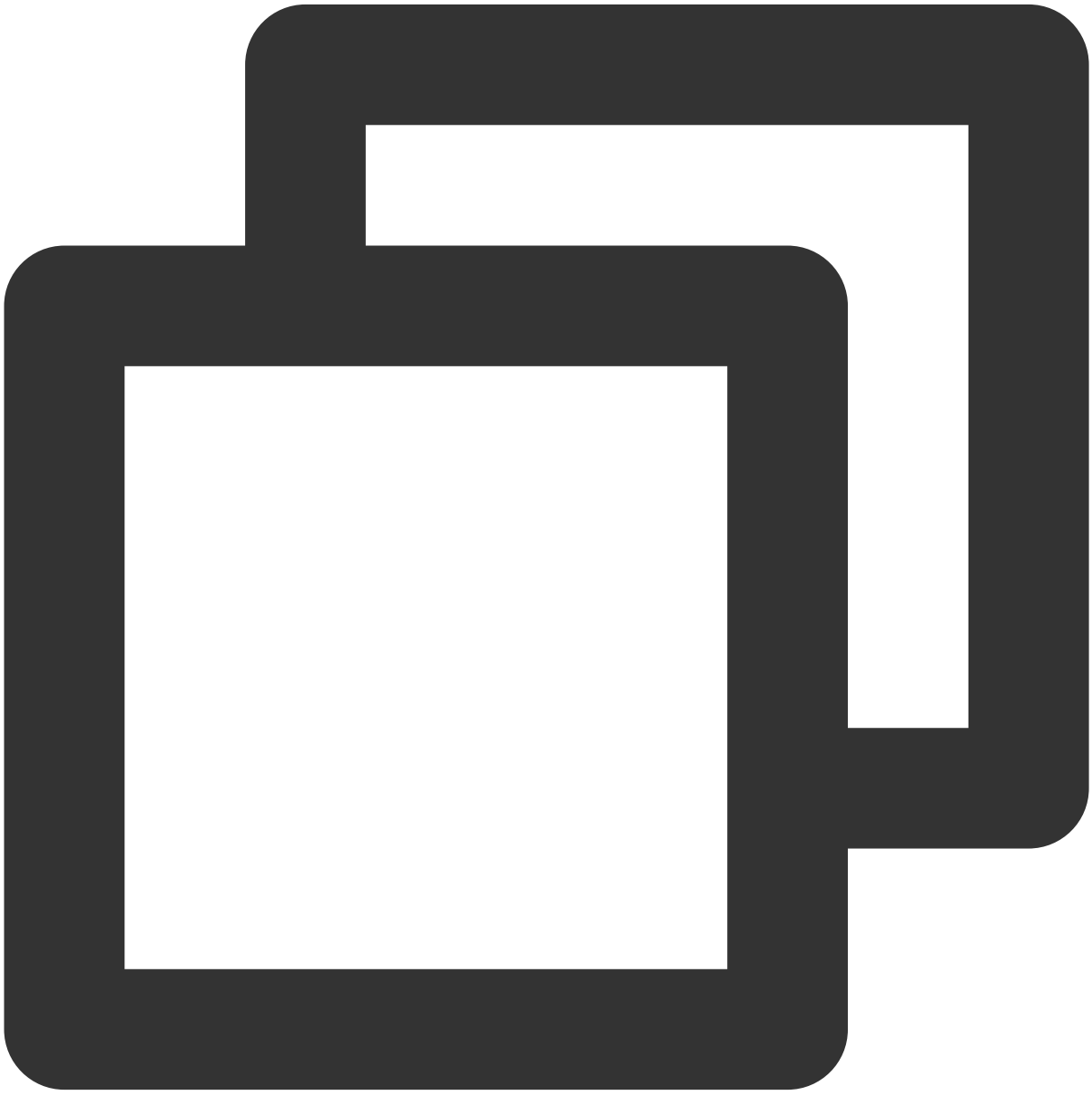
			blocklist.
To_Account	Array	Required	The list of identifiers to be removed from the blocklist. The number of To_Accounts in a single request cannot exceed 1,000.

Response packet example



```
{
"ResultItem":
[
```

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```
{
"To_Account":"id1",
"ResultCode":0,
"ResultInfo":""
},
{
"To_Account":"id2",
"ResultCode":0,
"ResultInfo":""
},
{
"To_Account":"id3",
"ResultCode":30006,
"ResultInfo":"Err_SNS_BlackListCheck_Check_Reverse_BlackList_Fail"
}
],
"Fail_Account":["id3"],
"ActionStatus":"OK",
"ErrorCode":0,
"ErrorInfo":"",
"ErrorDisplay":""
}
```


Response packet fields

Field	Type	Description
ResultItem	Array	The result object array for batch deletion from blocklist.
To_Account	String	The identifier you request to be removed from the blocklist.
ResultCode	Integer	The processing result of To_Account. 0: succeeded. Others: failed.
ResultInfo	String	Error description for To_Account. If the processing is successful, the field is empty.
Fail_Account	Array	The list of users that fails to be removed. This field is returned only when someone fails to be removed.
ActionStatus	String	The request packet processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	The error code. 0: succeeded. Others: failed.
ErrorInfo	String	Detailed error information.
ErrorDisplay	String	Detailed error information to be displayed on the client.

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Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packet represent the actual error code and error information, respectively.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API.

Error Code	Description
30001	A request parameter is incorrect. In this case, check request parameters based on the error description.
30003	The requested user account does not exist.
30004	The request requires app admin permissions.
30006	An internal server error occurred. In this case, try again.
30007	The network connection timed out. In this case, try again later.
30008	A write conflict occurred due to concurrent writes. In this case, we recommend that you use the batch mode.

API Commissioning Tool

Use the online commissioning tool for RESTful APIs to commission this API.

References

Removing users from blocklist

Pulling a blocklist

Verifying a blocklist

Callback That May Be Triggered

Callback after removing users from blocklist

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Pulling a Blacklist

Last updated：2024-07-16 11:25:50

Feature Overview

This API is used to pull a full blocklist by page.

API Calling Description

Sample request URL

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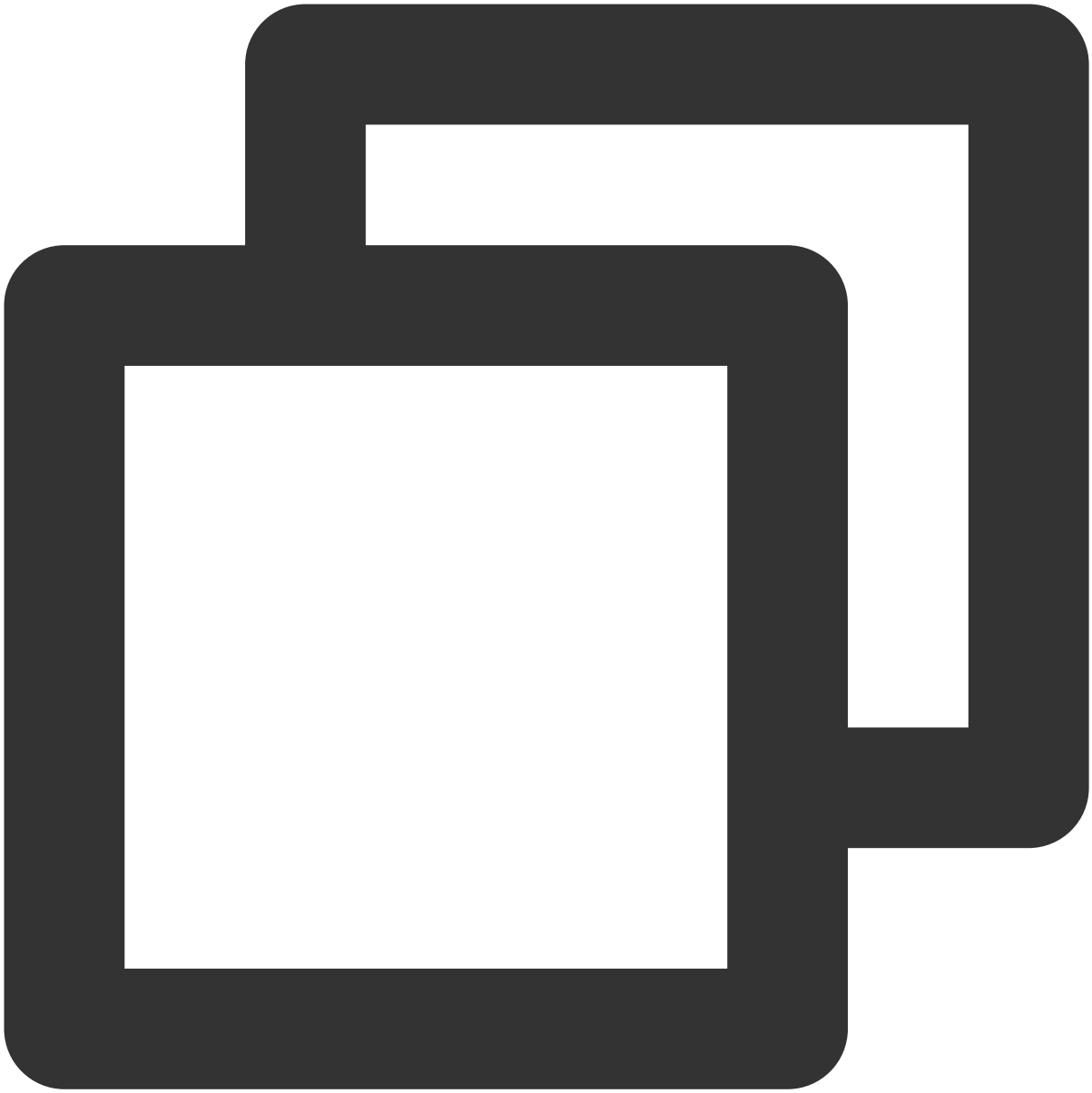

```
https://xxxxxx/v4/sns/black_list_get?sdkappid=88888888&identifier=admin&usersig=xxx
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/black_list_get	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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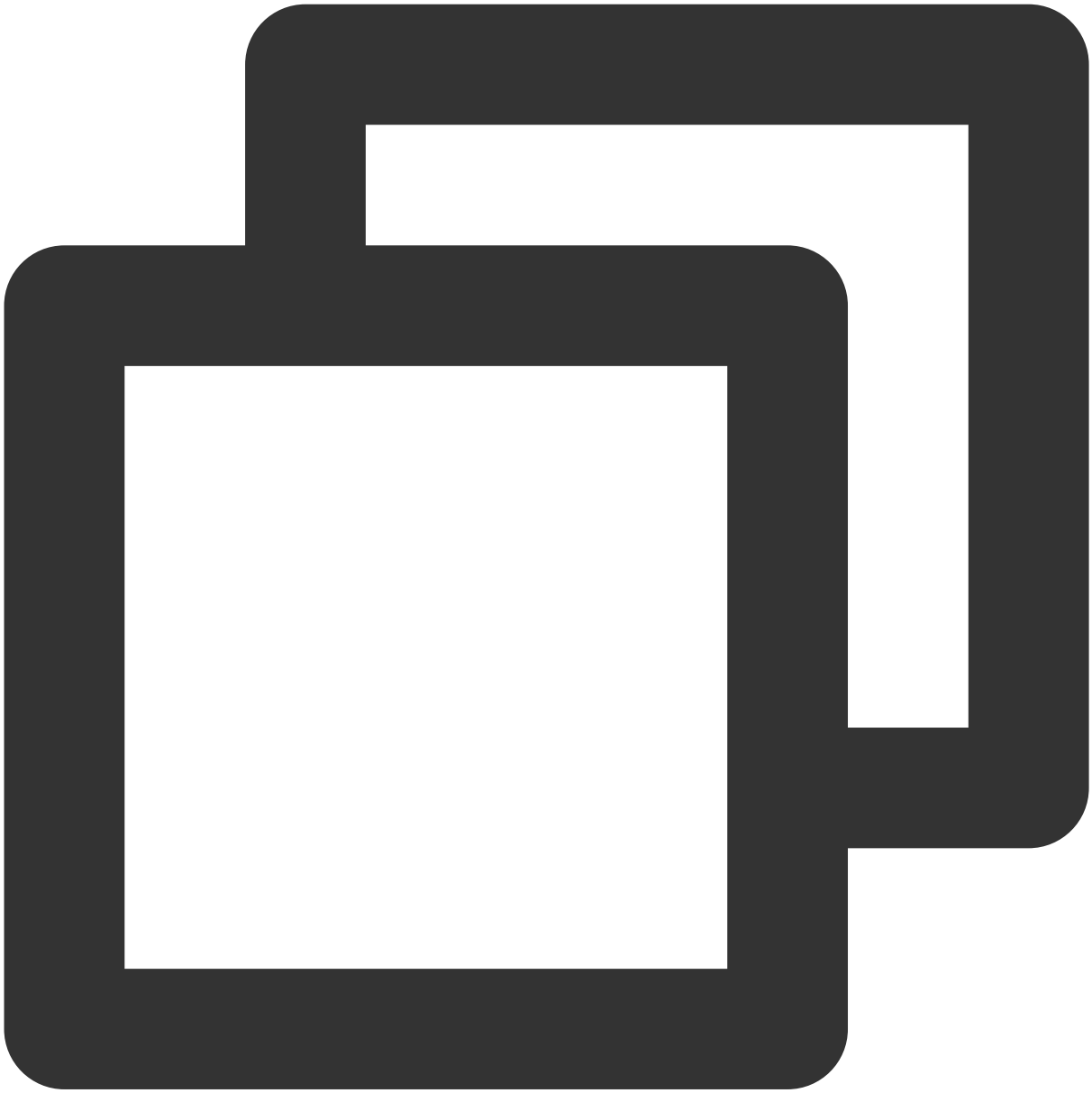

```
{
    "From_Account": "id",
    "StartIndex": 0,
    "MaxLimited": 30,
    "LastSequence": 12
}
```

Request fields

Field	Type	Required	Description

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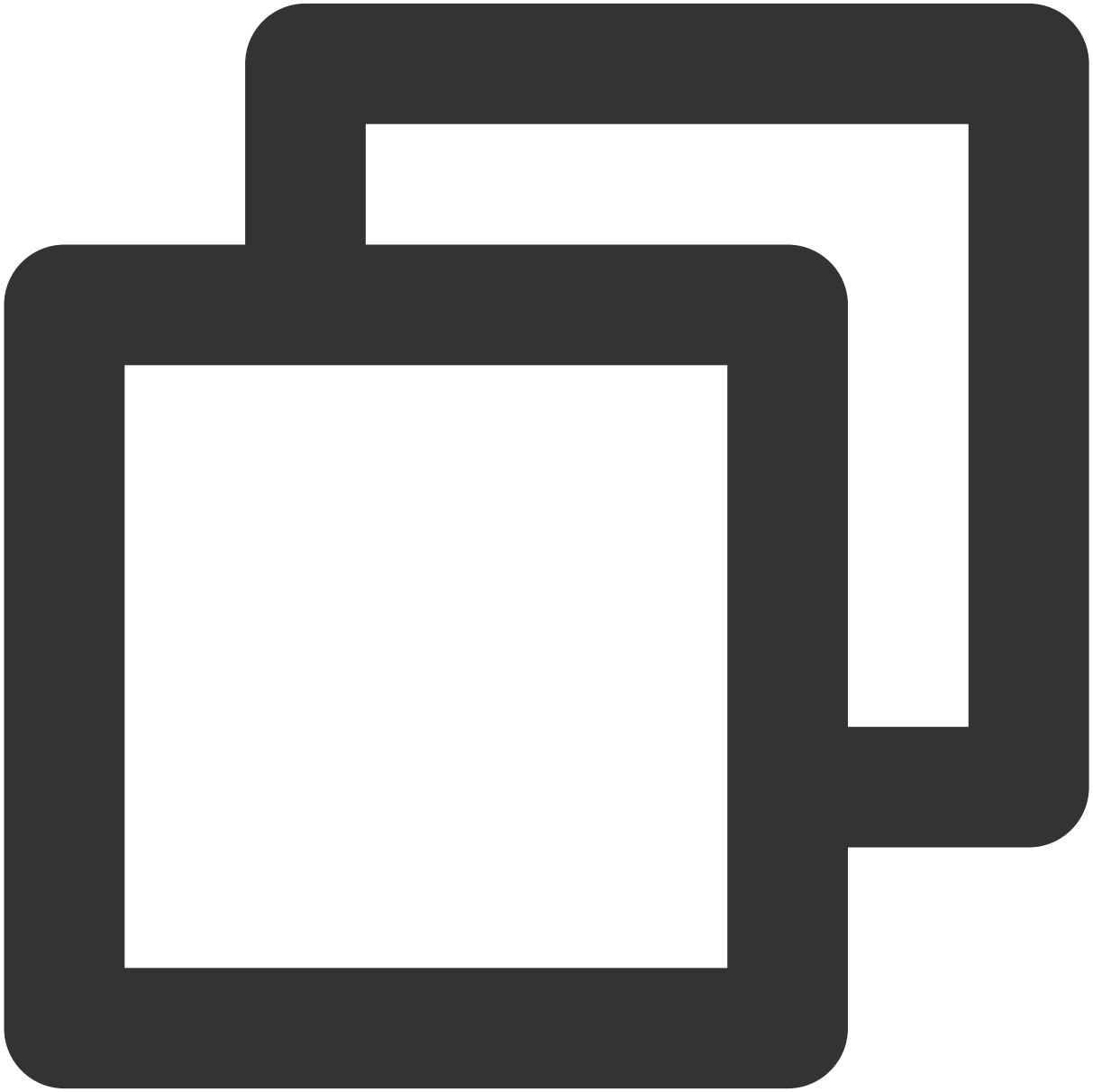
From_Account	String	Yes	UserID whose blocklist is to be pulled
StartIndex	Integer	Yes	Starting point for the blocklist pull
MaxLimited	Integer	Yes	Maximum number of blocklisted users that can be pulled per page
LastSequence	Integer	Yes	`Seq` that the backend returns to the client in the last blocklist pull. The value is `0` for the first pull. (For a RESTful API, enter `0` .)

Sample response



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```
{
    "BlackListItem": [
        {
            "To_Account": "id1",
            "AddBlackTimeStamp": 1430000001
        },
        {
            "To_Account": "id2",
            "AddBlackTimeStamp": 1430000002
        }
    ],
    "StartIndex": 0,
    "CurruentSequence": 13,
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```

Response fields

Field	Type	Description
BlackListItem	Array	Blocklist object array. Each blocklist object contains a `To_Account` and an `AddBlackTimeStamp` .
To_Account	String	UserID in the blocklist
AddBlackTimeStamp	Integer	Blocklisted time
StartIndex	Integer	Starting position for the next page pull. `0` indicates that the entire blocklist has been pulled.
CurruentSequence	Integer	Latest `Seq` of the blocklist
ActionStatus	String	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, please see Error Codes.
ErrorInfo	String	Detailed information about the error.
ErrorDisplay	String	Detailed information displayed on the client

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Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Blocklisting users (v4/sns/black_list_add)

Unblocklisting users

Verifying users on a blocklist

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Verifying Users on a Blocklist

Last updated：2024-07-16 11:25:50

Feature Overview

Batch verifies users in the blocklist

API Calling Description

Sample request URL

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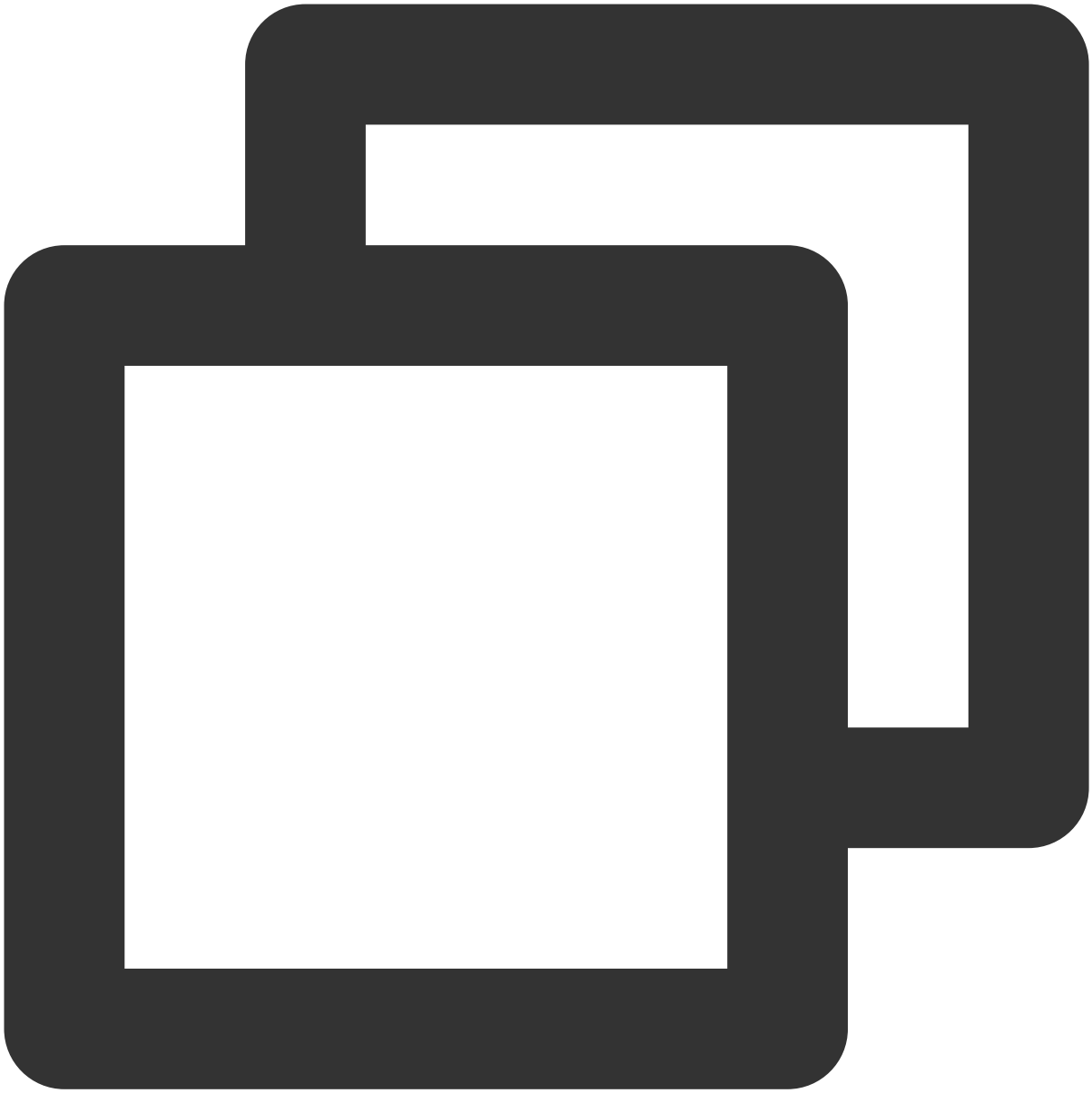

```
https://xxxxxx/v4/sns/black_list_check?sdkappid=88888888&identifier=admin&usersig=x
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/sns/black_list_check	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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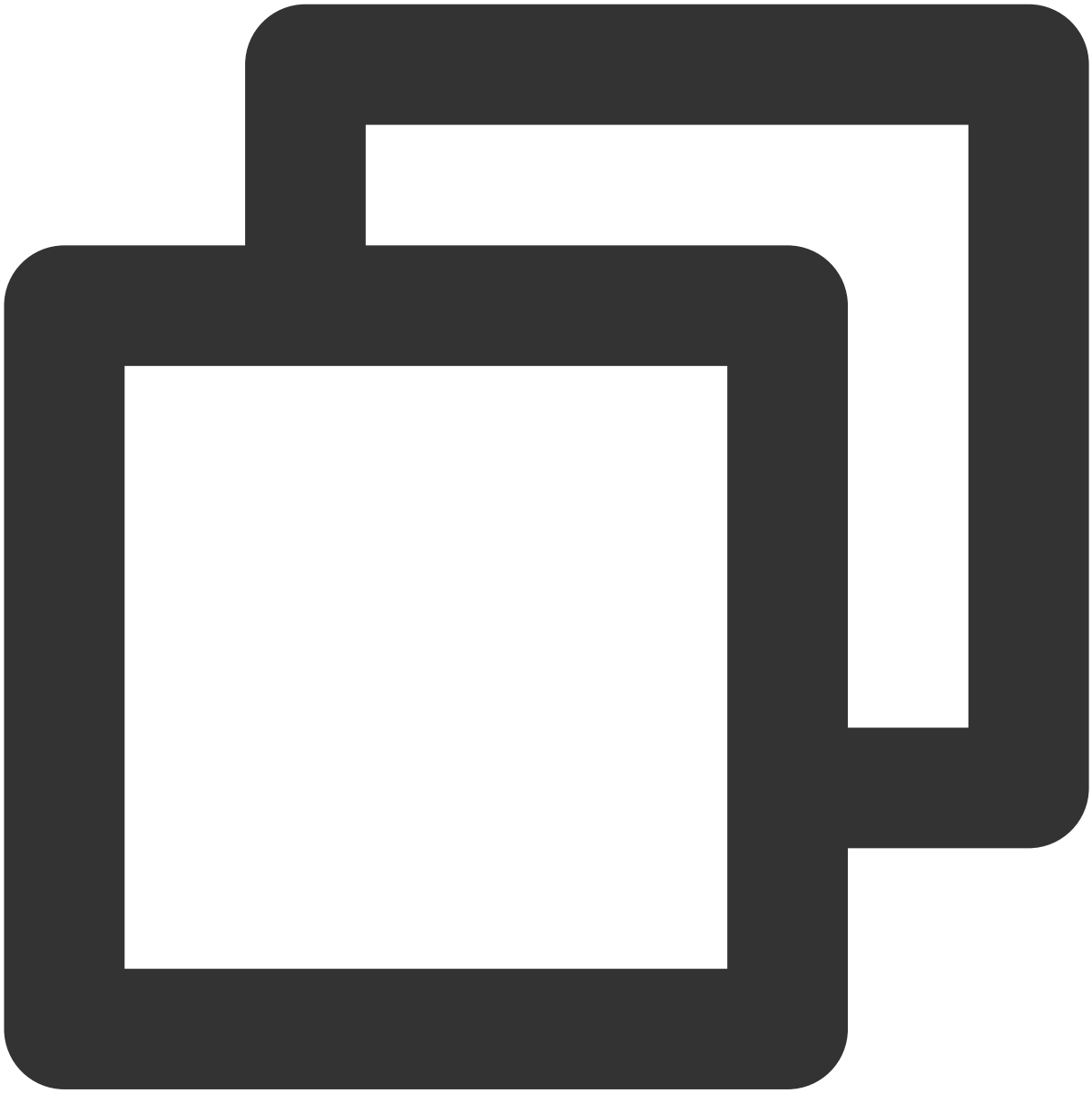

```
{
    "From_Account":"id",
    "To_Account":["id1","id2","id3","id4","id5"],
    "CheckType":"BlackCheckResult_Type_Both"
}
```

Request fields

Field	Type	Required	Description

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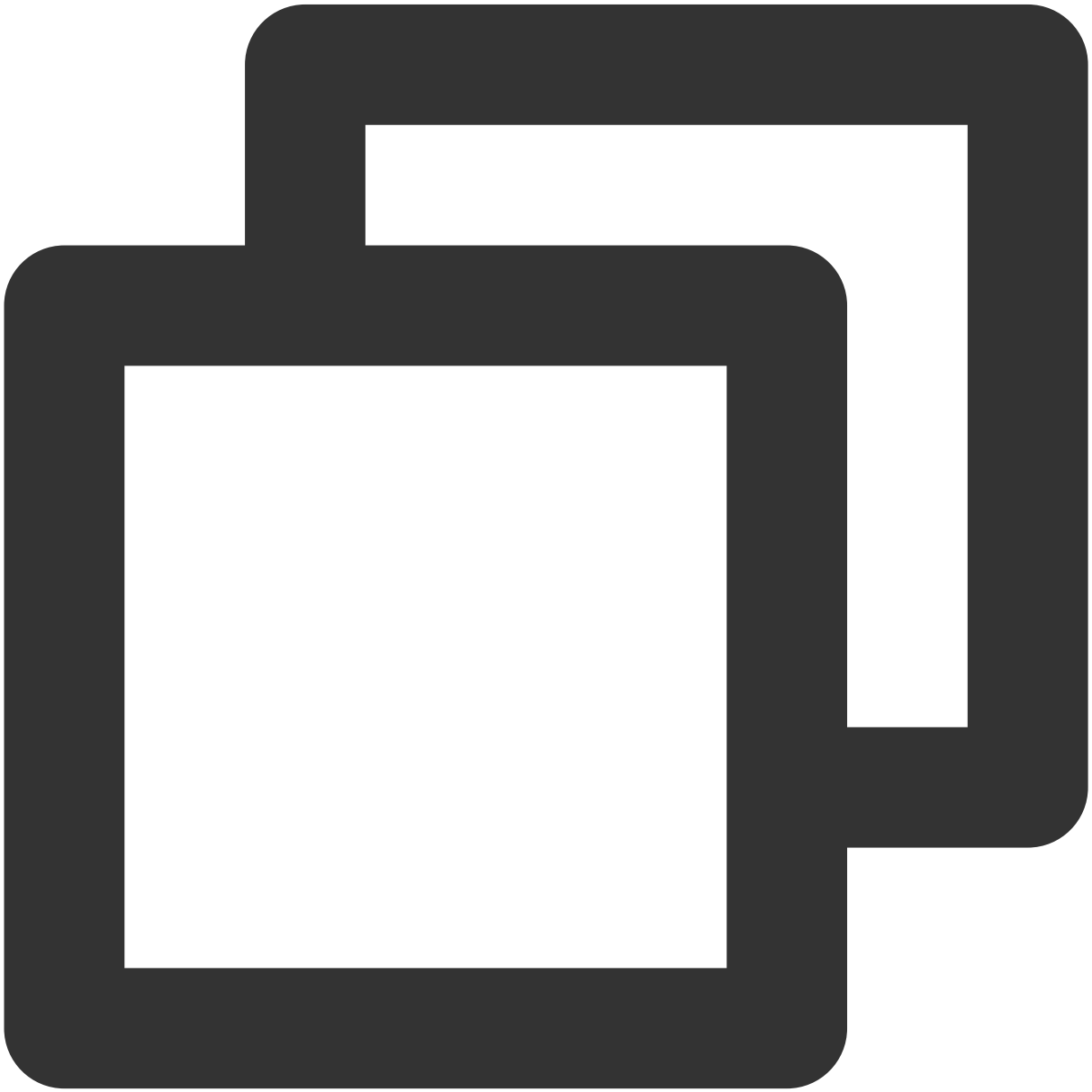
From_Account	String	Yes	UserID that requests blocklist verification
To_Account	Array	Yes	List of UserIDs for blocklist verification. This field supports up to 1,000 UserIDs per request.
CheckType	String	Yes	Verification mode. For more information, see Verifying a blocklist.

Sample response



```
{
    "BlackListCheckItem": [
```

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```
        {
            "To_Account": "id1",
            "Relation": "BlackCheckResult_Type_BothWay",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id2",
            "Relation": "BlackCheckResult_Type_AWithB",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id3",
            "Relation": "BlackCheckResult_Type_BWithA",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id4",
            "Relation": "BlackCheckResult_Type_NO",
            "ResultCode": 0,
            "ResultInfo": ""
        },
        {
            "To_Account": "id5",
            "Relation": "BlackCheckResult_Type_NO",
            "ResultCode": 30007,
            "ResultInfo": "Err_SNS_BlackListCheck_Check_Reverse_BlackList_Fail"
        }
    ],
    "Fail_Account": ["id5"],
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": "",
    "ErrorDisplay": ""
}
```


Response fields

Field	Type	Description
BlackListCheckItem	Array	Verification result object array
To_Account	String	UserID of the account that requests blocklist verification
Relation	String	The blocklist relationship between `To_Account` and `From_Account`

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		upon successful verification. For details, see Verifying a blocklist.
ResultCode	Integer	Result of `To_Account` . `0` : Successful. Other values: Failed. For details on non-zero results, see Error Codes.
ResultInfo	String	The error description of `To_Account` . This field is empty if the request succeeds.
Fail_Account	Array	The users that failed to be verified. This field is only returned when at least one user fails.
ActionStatus	String	The request result. `OK` : successful. `FAIL` : failed.
ErrorCode	Integer	Error code. `0` : successful. Other values: failed. For details on non-zero results, see Error Codes.
ErrorInfo	String	Detailed error information
ErrorDisplay	String	Detailed information displayed on the client

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ResultCode` , `ResultInfo` , `ErrorCode` , and `ErrorInfo` .

For public error codes (60000 to 79999), please see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
30001	Incorrect request parameter. Check your request according to the error description.
30003	The requested account does not exist.
30004	The request requires app admin permissions.
30006	Internal server error. Try again.
30007	Network timeout. Try again later.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

References

Unblocklisting users
Pulling a blocklist
Verifying users on a blocklist

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Global Mute Management
Setting Global Mute

Last updated：2024-07-16 11:29:54

Background

Global muting includes the global muting of one-to-one messages and that of group messages.
If the global muting of one-to-one messages is enabled for an account, during the muting period, no one-to-one messages can be sent, the sender receives error code 20012 (for details, see Error Codes), and Before a One-to-One Message Is Sent webhook is not triggered. After the muting period expires, the Chat backend system automatically disables the global muting of one-to-one messages, and then all one-to-one messages can be sent normally. For the permanent global muting of one-to-one messages, the muting period never expires. By default, the global muting of one-to-one messages is disabled for accounts.
If the global muting of group messages is enabled for an account, during the muting period, no group messages can be sent, the sender receives error code 10017 (for details, see Error Codes), and Before Group Message Is Sent webhook is not triggered. After the muting period expires, the Chat backend system automatically disables the global muting of group messages, and then all group messages can be sent normally. For the permanent global muting of group messages, the muting period never expires. By default, the global muting of group messages is disabled for accounts.

Feature Description

This API is used to enable the global muting of one-to-one messages for an account.
This API is used to enable the global muting of group messages for an account.

API Calling Description

Sample request URL

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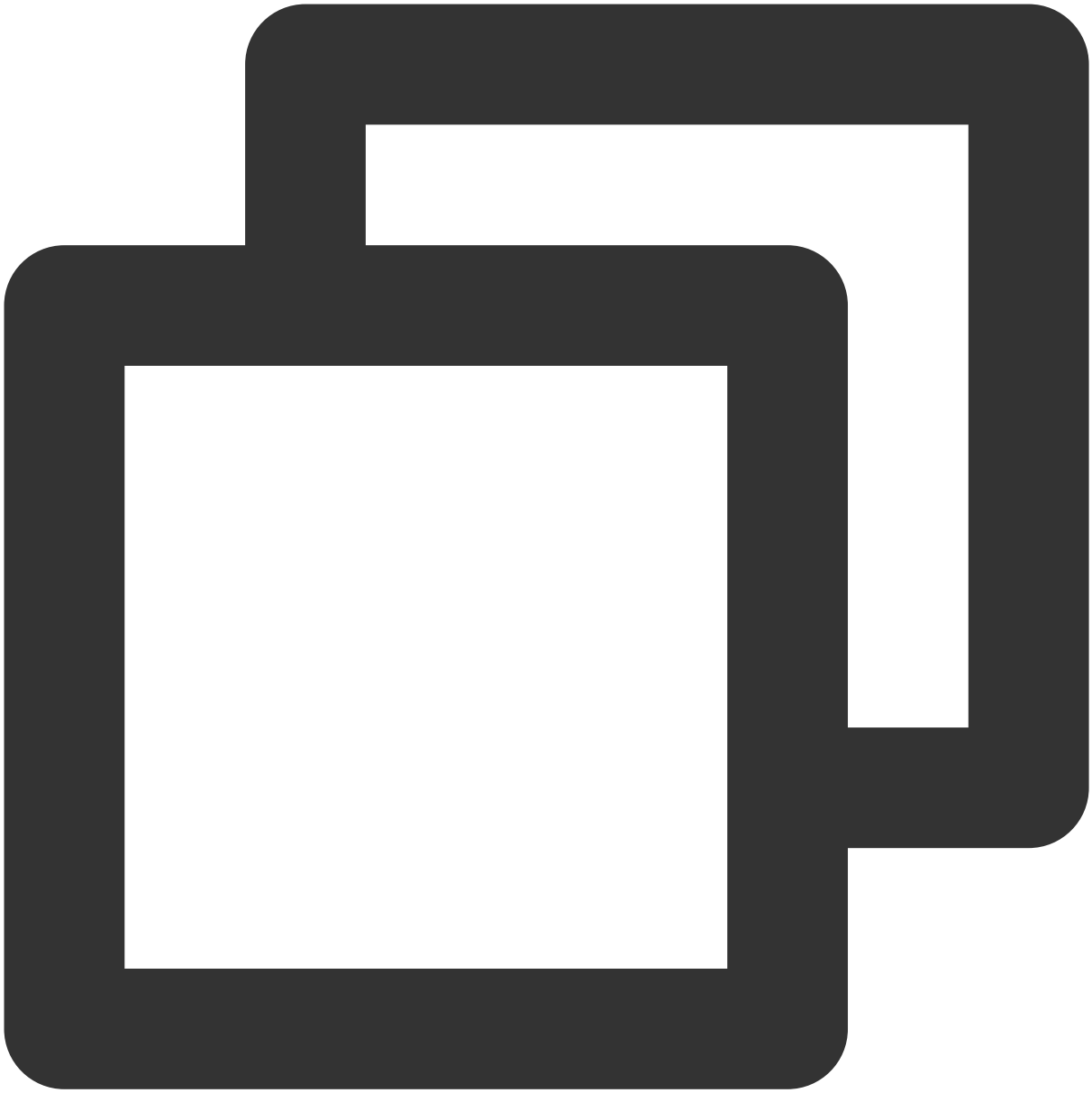

```
https://xxxxxx/v4/openconfigsvr/setnospeaking?sdkappid=88888888&identifier=admin&us
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openconfigsvr/setnospeaking	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

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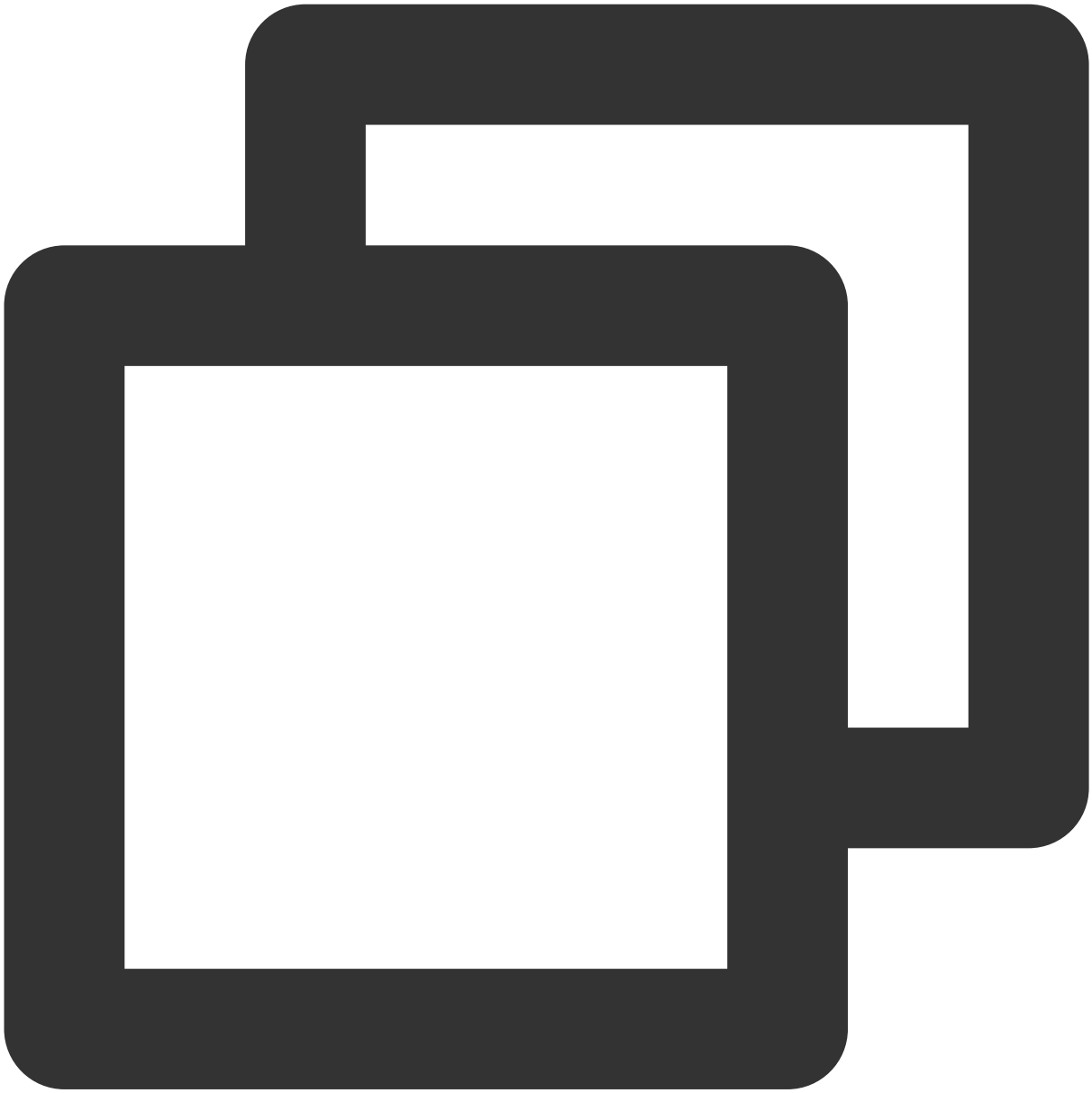

```
{
    "Set_Account": "lumotuwe",
    "C2CmsgNospeakingTime": 4294967295, // `C2CmsgNospeakingTime` and `GroupmsgNosp
    "GroupmsgNospeakingTime": 7200
}
```

Request fields

Field	Type	Required	Description

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Set_Account	String	Required	Account for which muting will be enabled
C2CmsgNospeakingTime	Integer	Optional	Muting period (in seconds) of one-to-one messages. The value is a non-negative integer, and the maximum value is 4294967295 (0xFFFFFFFF in hexadecimal format). 0: the account is unmuted 4294967295: the account is permanently muted Other values: a specific muting period of the account
GroupmsgNospeakingTime	Integer	Optional	Muting period (in seconds) of group messages. The value is a non-negative integer, and the maximum value is 4294967295 (0xFFFFFFFF in hexadecimal format). 0: the account is unmuted 4294967295: the account is permanently muted Other values: a specific muting period of the account

Sample response

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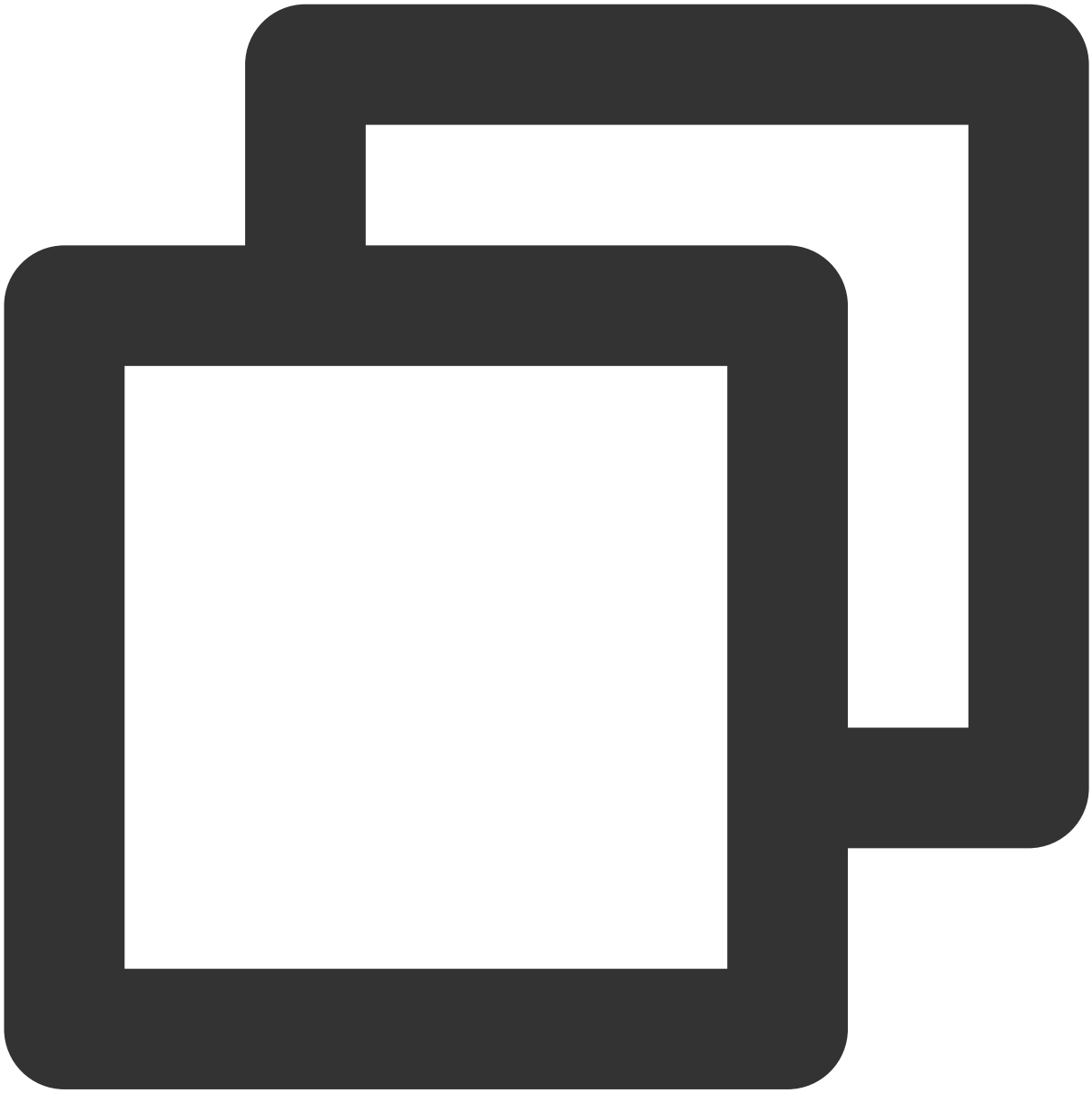

```
{
    "ErrorCode": 0,
    "ErrorInfo": "",
}
```

Response fields

Field	Type	Description
ErrorCode	Integer	Request error code. `0` : Successful; other values: Failed

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ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
130001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
130004	The JSON request does not contain the `Set_Account` field.
130005	The `Set_Account` field in the JSON request is invalid.
130008	Neither `GroupmsgNospeakingTime` nor `C2CmsgNospeakingTime` in the JSON request is specified.
130014	A system error occurred. Try again or contact technical support.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Querying global mute (v4/openconfigsvr/setnospeaking)

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Querying Global Mute

Last updated：2024-07-16 11:29:54

Background

Global muting includes the global muting of one-to-one messages and that of group messages.
By default, the global muting of one-to-one messages is disabled for accounts. If the global muting of one-to-one messages is enabled for an account, all one-to-one messages cannot be sent during the muting period. After the muting period expires, the Chat backend system automatically disables the global muting of one-to-one messages, and then all one-to-one messages can be sent normally. For the permanent global muting of one-to-one messages, the muting period never expires.
By default, the global muting of group messages is disabled for accounts. If the global muting of group messages is enabled for an account, all group messages cannot be sent during the muting period. After the muting period expires, the Chat backend system automatically disables the global muting of group messages, and then all group messages can be sent normally. For the permanent global muting of group messages, the muting period never expires.

Feature Description

This API is used to query the global muting of one-to-one messages for an account.
This API is used to query the global muting of group messages for an account.

API Calling Description

Sample request URL

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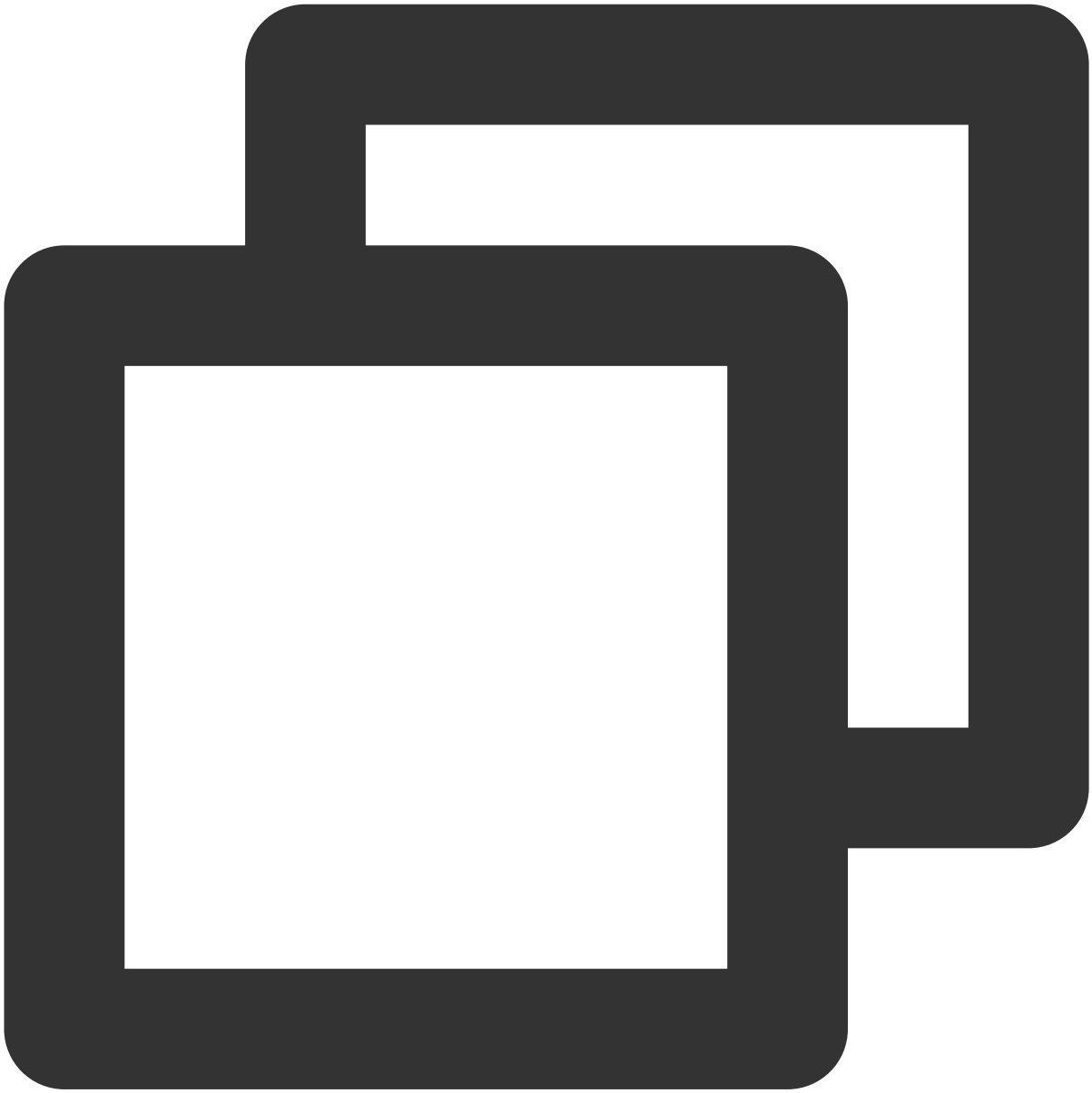

```
https://xxxxxx/v4/openconfigsvr/getnospeaking?sdkappid=88888888&identifier=admin&us
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openconfigsvr/getnospeaking	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

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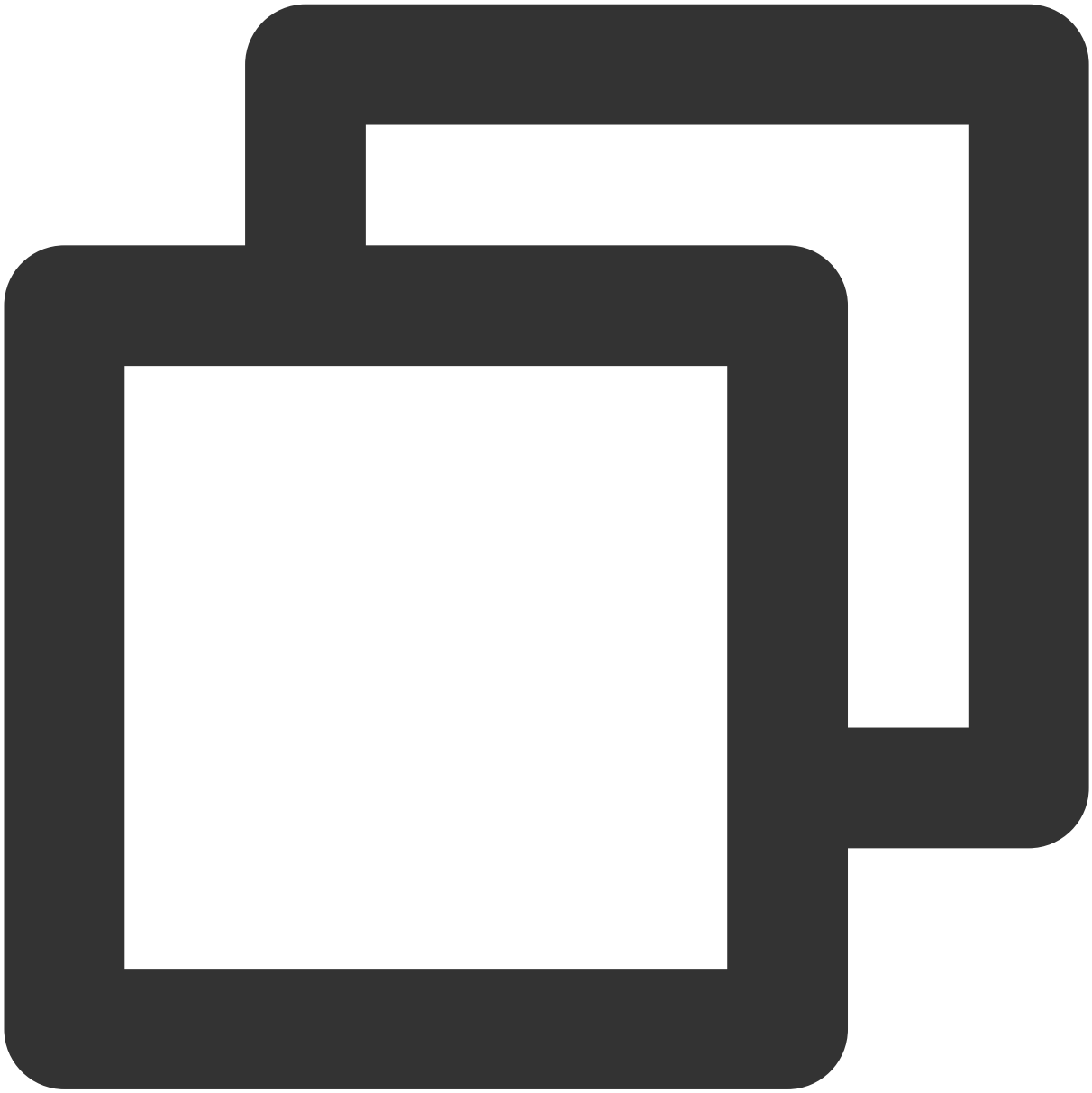

```
{
    "Get_Account": "lumotuwe"
}
```

Request fields

Field	Type	Required	Description
Get_Account	String	Required	Account for which muting information is queried

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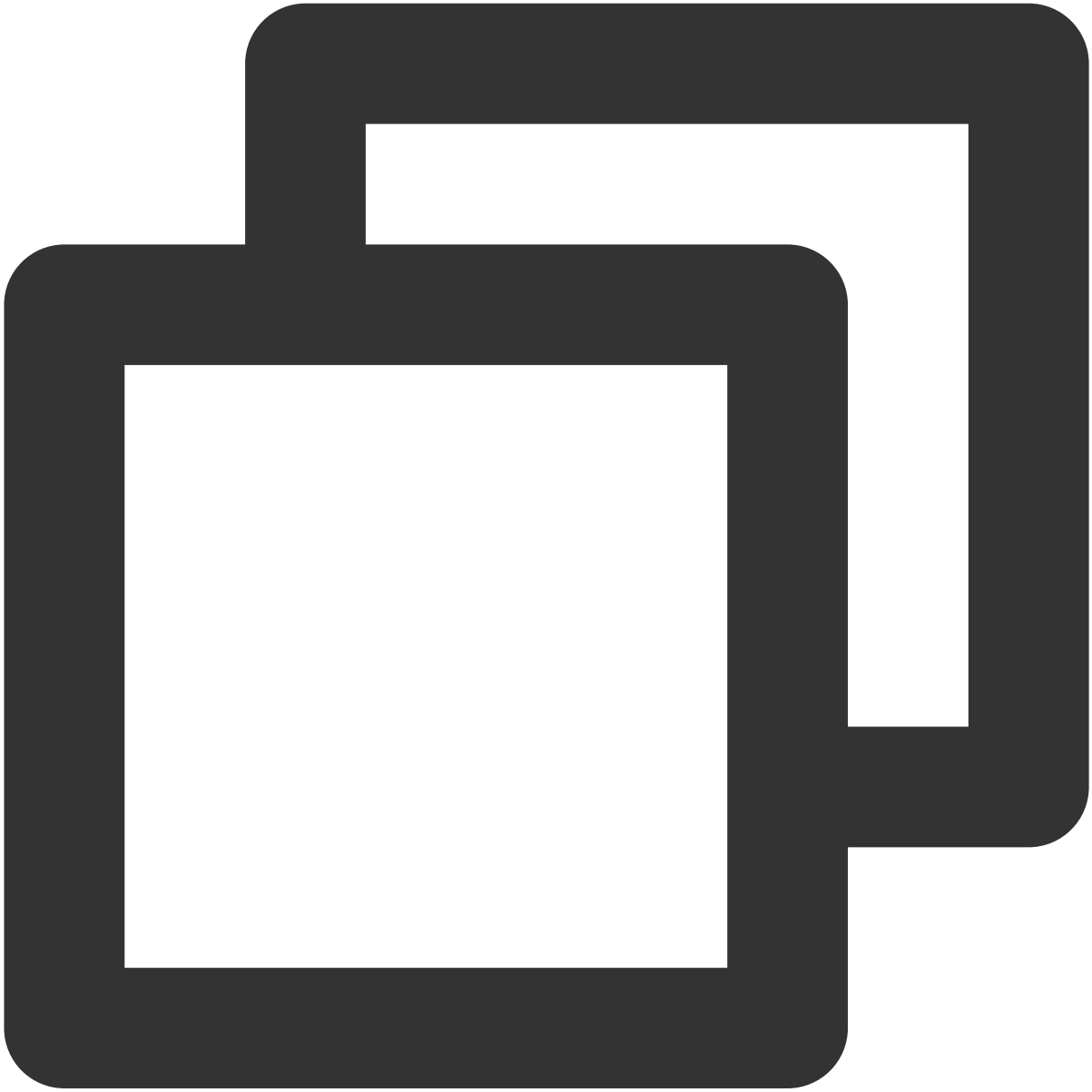
Sample response



```
{
    "ErrorCode": 0,
    "ErrorInfo": "",
    "C2CmsgNospeakingTime": 4294967295,
    "GroupmsgNospeakingTime": 7196
}
```

Response fields

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Field	Type	Description
ErrorCode	Integer	Request error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
C2CmsgNospeakingTime	Number	The muting period for one-to-one messages, in seconds. The value is a non-negative integer. The value `0` indicates that message muting is disabled. The maximum value `4294967295` (or 0xFFFFFFFF in hexadecimal) indicates that permanent muting is enabled for the account. Other values indicate the specific muting period of the account. For example, the value `3600` indicates that the muting period of the account is one hour.
GroupmsgNospeakingTime	Number	The muting period for group messages, in seconds. The value is a non-negative integer. The value `0` indicates that message muting is disabled. The maximum value `4294967295` (or 0xFFFFFFFF in hexadecimal) indicates that permanent muting is enabled for the account. Other values indicate the specific muting period of the account. For example, the value `3600` indicates that the muting period of the account is one hour.

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
130001	Failed to parse the JSON format. Check whether the JSON request meets JSON specifications.
130002	The JSON request does not contain the `Get_Account` field.
130003	The `Get_Account` field in the JSON request is invalid.
130014	A JSON system error occurred. Try again or contact technical support.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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References

Setting global mute (v4/openconfigsvr/setnospeaking)

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Operations Management
Pulling Operations Data

Last updated：2024-07-16 11:29:54

Feature Overview

The app admin can pull operations data for the last 30 days through this API. The operational data fields that can be pulled are described later in this document.

API Calling Description

Sample request URL

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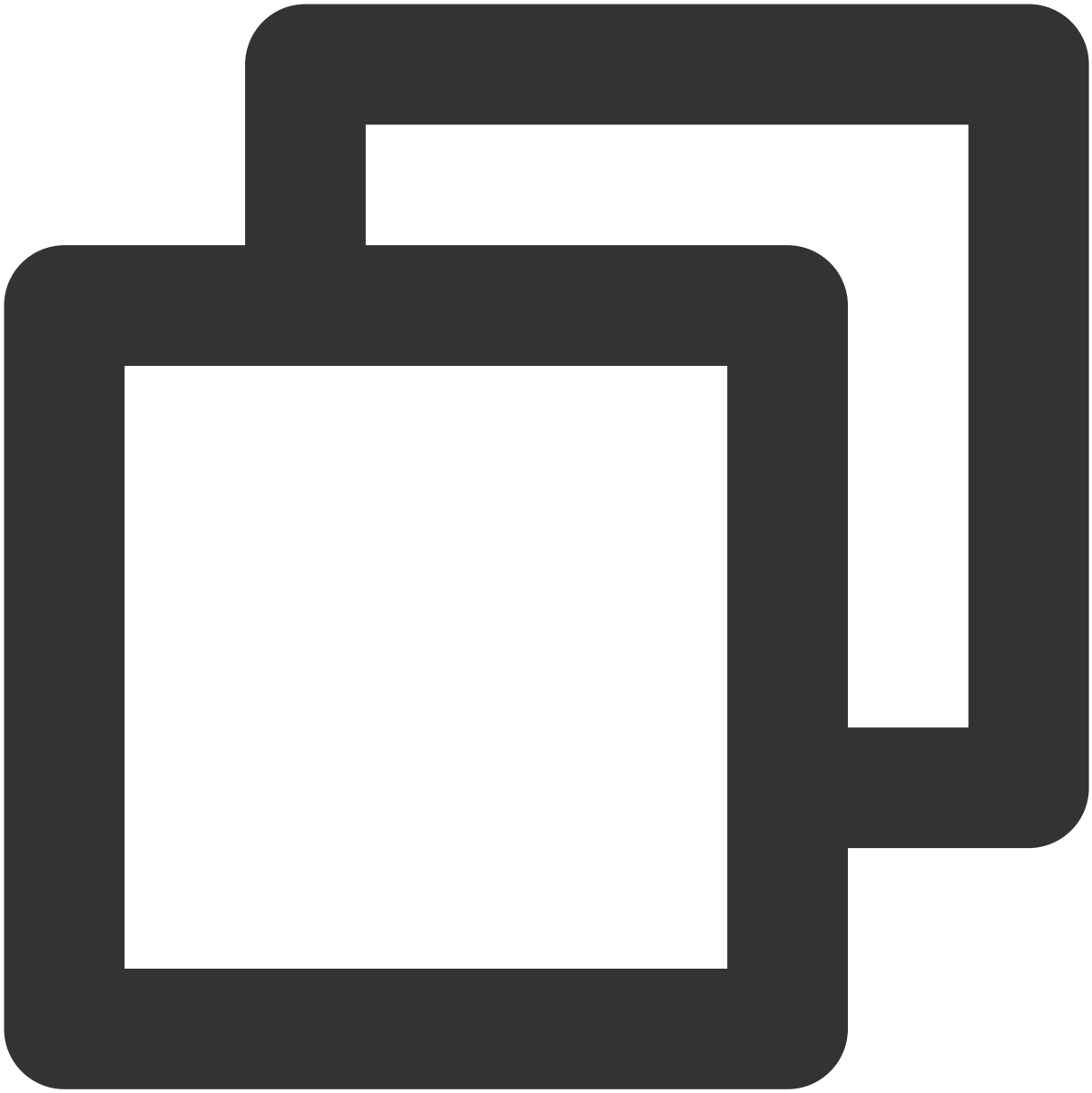

```
https://xxxxxx/v4/openconfigsvr/getappinfo?sdkappid=88888888&identifier=admin&users
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openconfigsvr/getappinfo	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

200 calls per second

Sample request

Query the operations data of the last 30 days for SDKAppID.

Basic format

Pull all fields by default.

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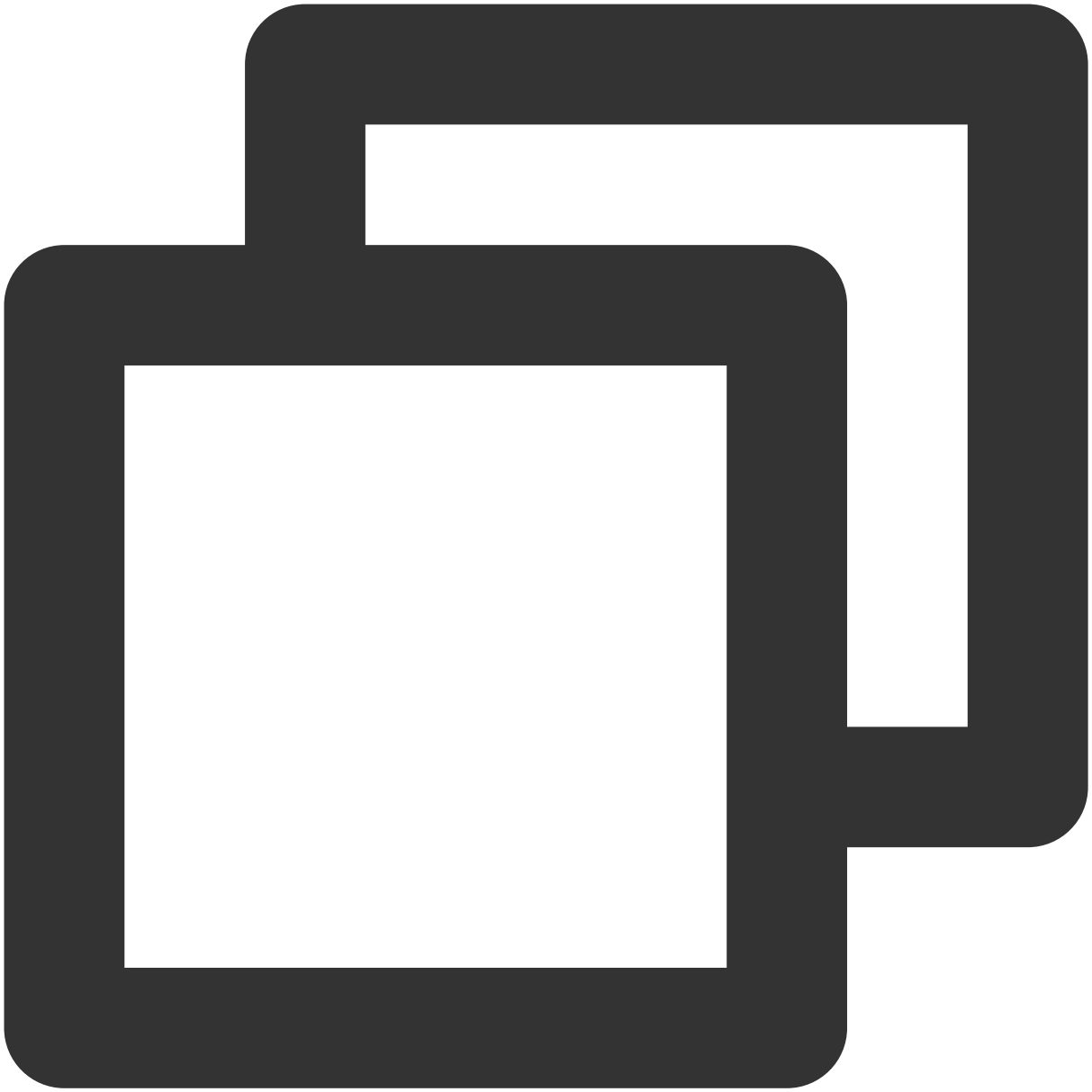

```
{}
```

Specifying fields to be pulled

Specify fields to be pulled in `RequestField`.

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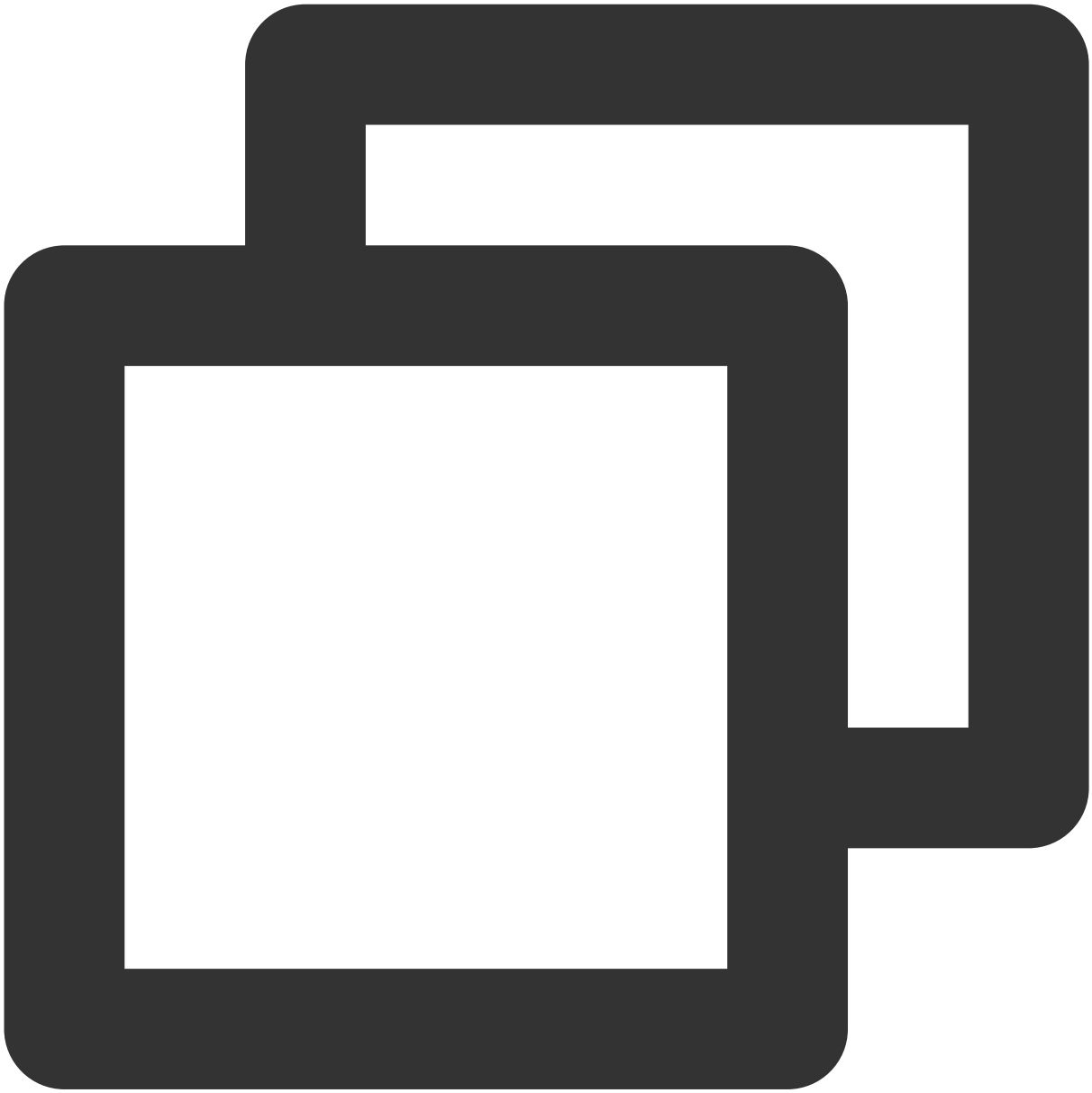

```
{
  "RequestField":[
      "ChainIncrease",
      "ChainDecrease"
  ]
}
```

Request fields

Field	Type	Required	Description

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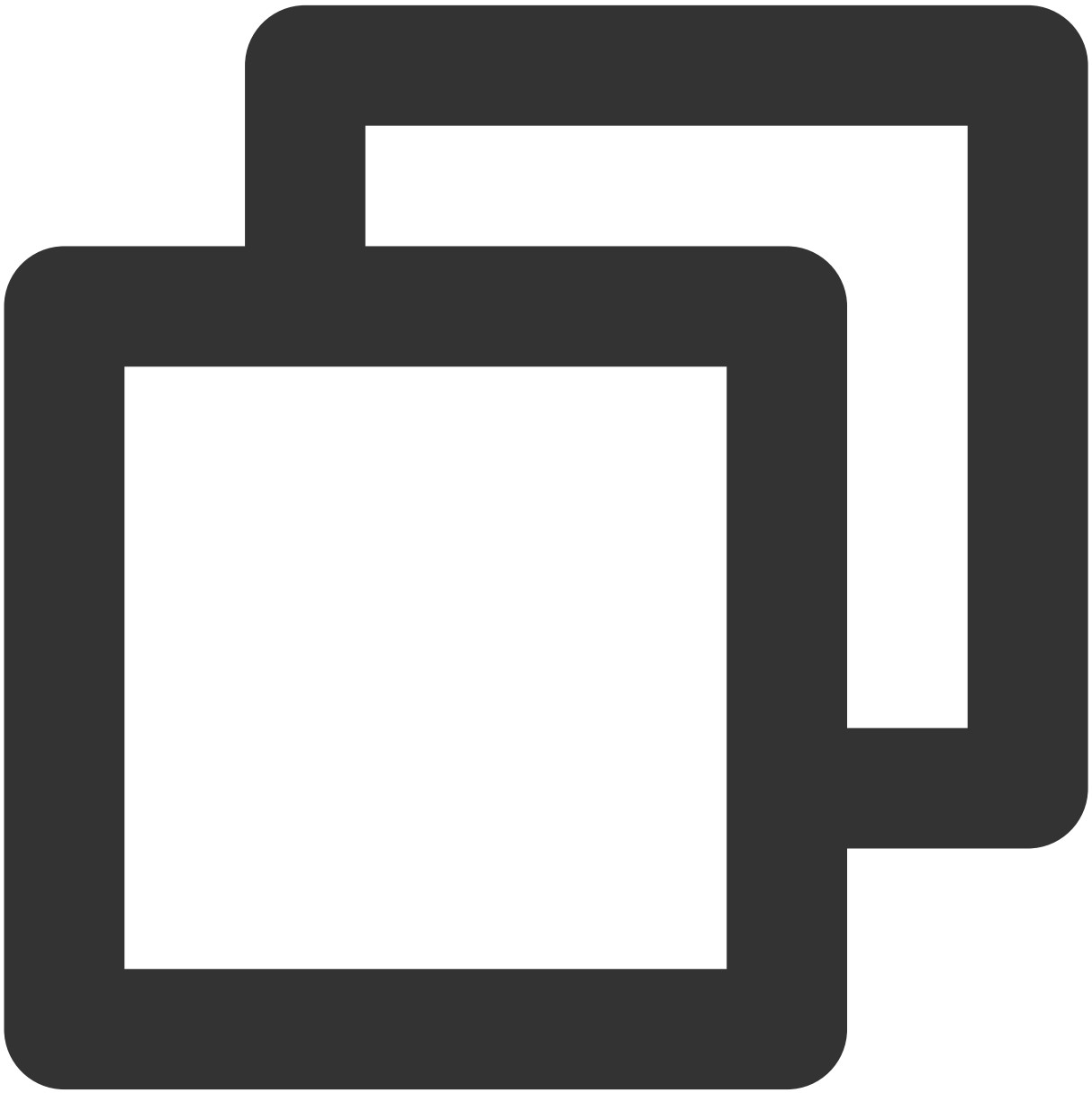
RequestField	Array	No	This field is used to specify the operations data fields to be pulled. If this field is not specified, all fields will be pulled by default. For details, see the operations data fields that can be pulled below.

Sample response

Basic format



```
{
  "ErrorCode": 0,
  "ErrorInfo": "OK",
```

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```
    "Result": [{
        "APNSMsgNum": "84",
        "ActiveUserNum": "2014",
        "AppId": "1104620500",
        "AppName": "Real-Time Communication Scenario Developer edition",
        "C2CAPNSMsgNum": "84",
        "C2CDownMsgNum": "11040",
        "C2CSendMsgUserNum": "9",
        "C2CUpMsgNum": "52209",
        "CallBackReq": "73069",
        "CallBackRsp": "72902",
        "ChainDecrease": "16",
        "ChainIncrease": "18",
        "Company": "Linye",
        "Date": "20160607",
        "DownMsgNum": "11869",
        "GroupAPNSMsgNum": "0",
        "GroupAllGroupNum": "41913",
        "GroupDestroyGroupNum": "35019",
        "GroupDownMsgNum": "829",
        "GroupJoinGroupTimes": "121438",
        "GroupNewGroupNum": "35904",
        "GroupQuitGroupTimes": "108292",
        "GroupSendMsgGroupNum": "5189",
        "GroupSendMsgUserNum": "12",
        "GroupUpMsgNum": "8433",
        "LoginTimes": "13708",
        "LoginUserNum": "2094",
        "MaxOnlineNum": "62",
        "RegistUserNumOneDay": "1052",
        "RegistUserNumTotal": "53091",
        "SendMsgUserNum": "19",
        "UpMsgNum": "60642",
    }]
}
```


Specifying fields to be pulled

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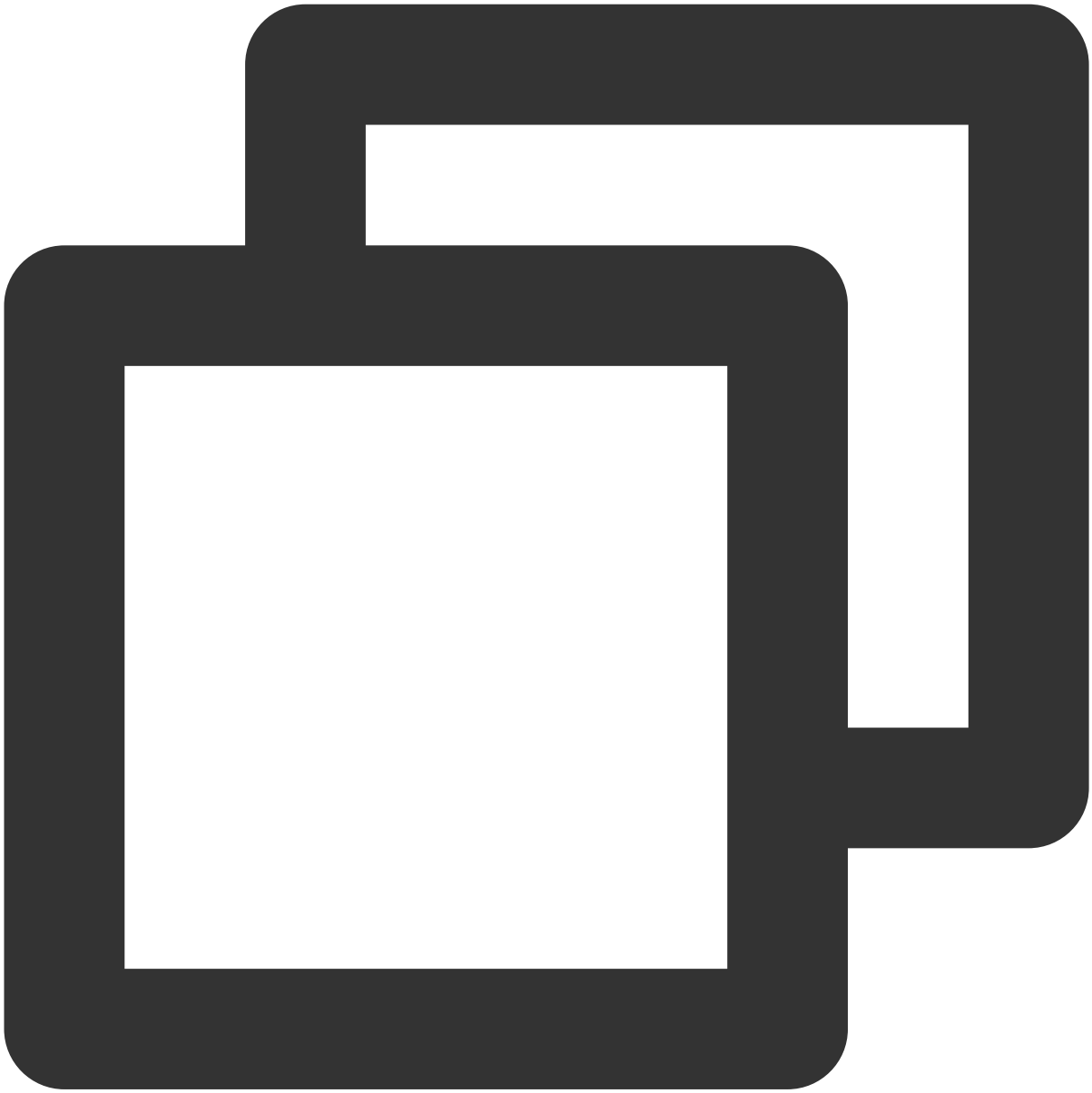


```
{
  "ErrorCode":0,
  "ErrorInfo":"OK",
  "Result":[{
          "ChainDecrease":"8",
          "ChainIncrease":"8",
          "Date":"20160605"
      },
      {
          "ChainDecrease":"17",
          "ChainIncrease":"17",
```


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```
            "Date":"20160604"
        }
    ]
}
```

Response fields

Field	Type	Description
Result	Array	The requested operations data from the last 30 days
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
130001	JSON parsing error of the request
130009	SQL opening error
130010	SQL pinging error
130011	SQL query error
130012	SQL result parsing error

Operations Data Fields That Can Be Pulled

Field	Description
AppName	App name

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AppId	SDKAppID of the app
Company	Customer name
ActiveUserNum	Number of active users
RegistUserNumOneDay	Number of newly registered users
RegistUserNumTotal	Total number of registered users
LoginTimes	Number of logins
LoginUserNum	Number of logged-in users
UpMsgNum	Number of upstream messages
SendMsgUserNum	Number of message sending users
APNSMsgNum	Number of pushed APNs messages
C2CUpMsgNum	Number of upstream messages (C2C)
C2CDownMsgNum	Number of downstream messages (C2C)
C2CSendMsgUserNum	Number of message sending users (C2C)
C2CAPNSMsgNum	Number of pushed APNs messages (C2C)
MaxOnlineNum	Maximum number of online users
DownMsgNum	Total number of downstream messages (C2C and group)
ChainIncrease	Increase in relationship chain pairs
ChainDecrease	Decrease in relationship chain pairs
GroupUpMsgNum	Number of upstream messages (group)
GroupDownMsgNum	Number of downstream messages (group)
GroupSendMsgUserNum	Number of message sending users (group)
GroupAPNSMsgNum	Number of pushed APNs messages (group)
GroupSendMsgGroupNum	Number of message sending groups
GroupJoinGroupTimes	Total number of joined groups
GroupQuitGroupTimes	Total number of left groups

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GroupNewGroupNum	Number of newly added groups
GroupAllGroupNum	Total number of groups
GroupDestroyGroupNum	Number of disbanded groups
CallBackReq	Number of callback requests
CallBackRsp	Number of callback responses
Date	Date

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Downloading Recent Messages

Last updated：2024-07-16 11:29:54

Feature Overview

The app admin can use this API to obtain the download addresses for all one-to-one or group message records in the app that occur at a specified point in time for the last seven days.

Note

You can download images, audio, files, and short videos from message records. This feature is only applicable to Chat SDK 4.X or later. The download can be performed based on the URL fields in chat records. If you are using Chat SDK 2.X or 3.X, you cannot obtain the preceding information in this method. If you need this feature, upgrade your Chat SDK to version 4.X or later.

Message records are stored as logs and compressed by using GZip. After obtaining the download addresses through the API, you can download and process the message records yourself. Message record files are generated every hour according to Beijing time. For example, the data generated at midnight (00:00-00:59) will be processed from 01:00. Typically, the data can be processed within one hour. However, if the message quantity is large, it will take longer to process them. The message record files are valid for only seven days and will be deleted after seven days regardless of the download status. Deleted records cannot be exported again. The download address obtained through this API has an expiration date. Please download the message records before the download address expires. If the download address becomes invalid, obtain the download address again through this API.

This API is used only to download historical chat records for the last seven days for backup, statistics, or other purposes. We do not recommend that you use it for real-time online businesses.

API Calling Description

Sample request URL

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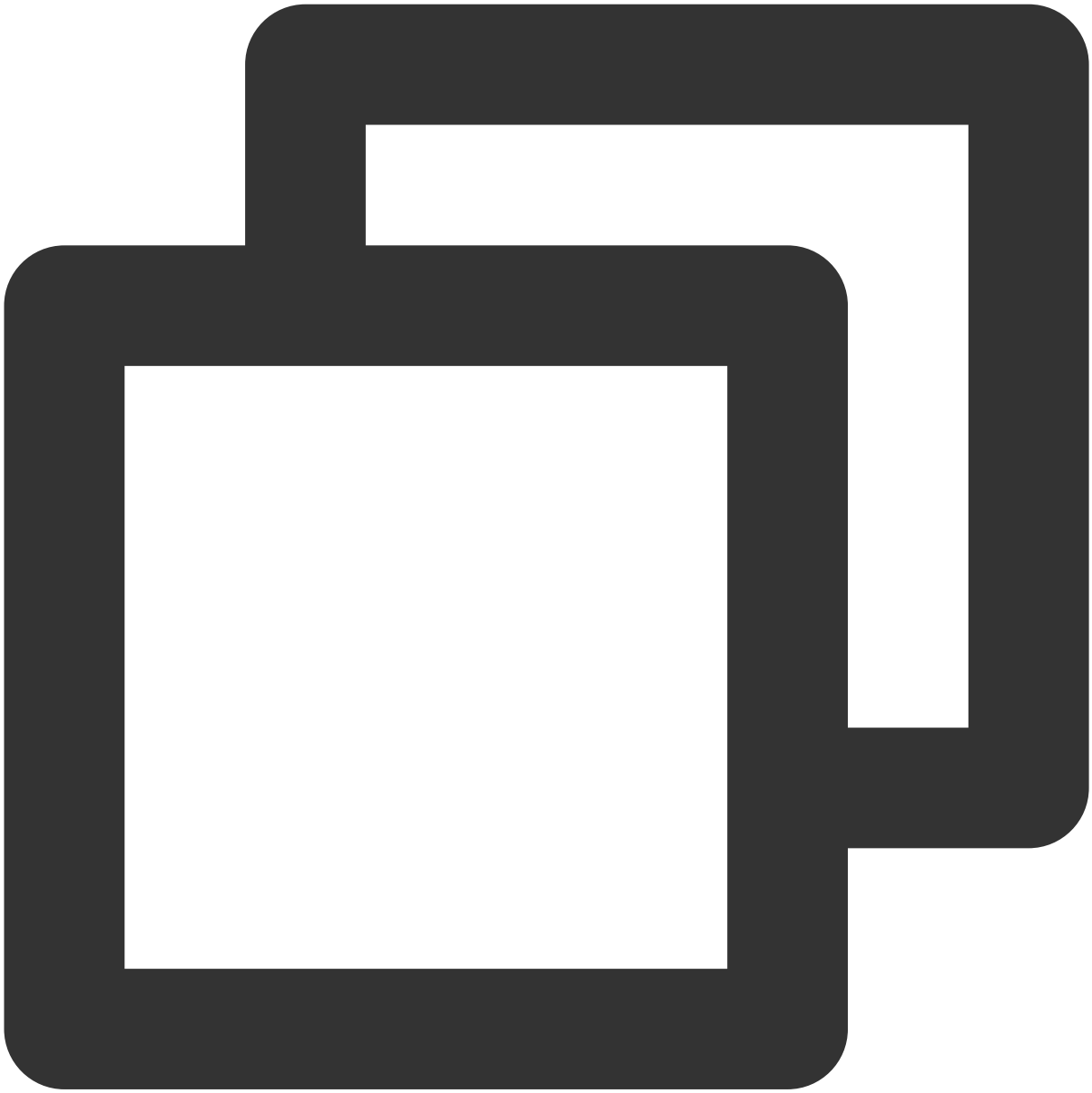

```
https://xxxxxx/v4/open_msg_svc/get_history?sdkappid=88888888&identifier=admin&users
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com`
v4/open_msg_svc/get_history	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .

Maximum call frequency

10 times/second

Sample request

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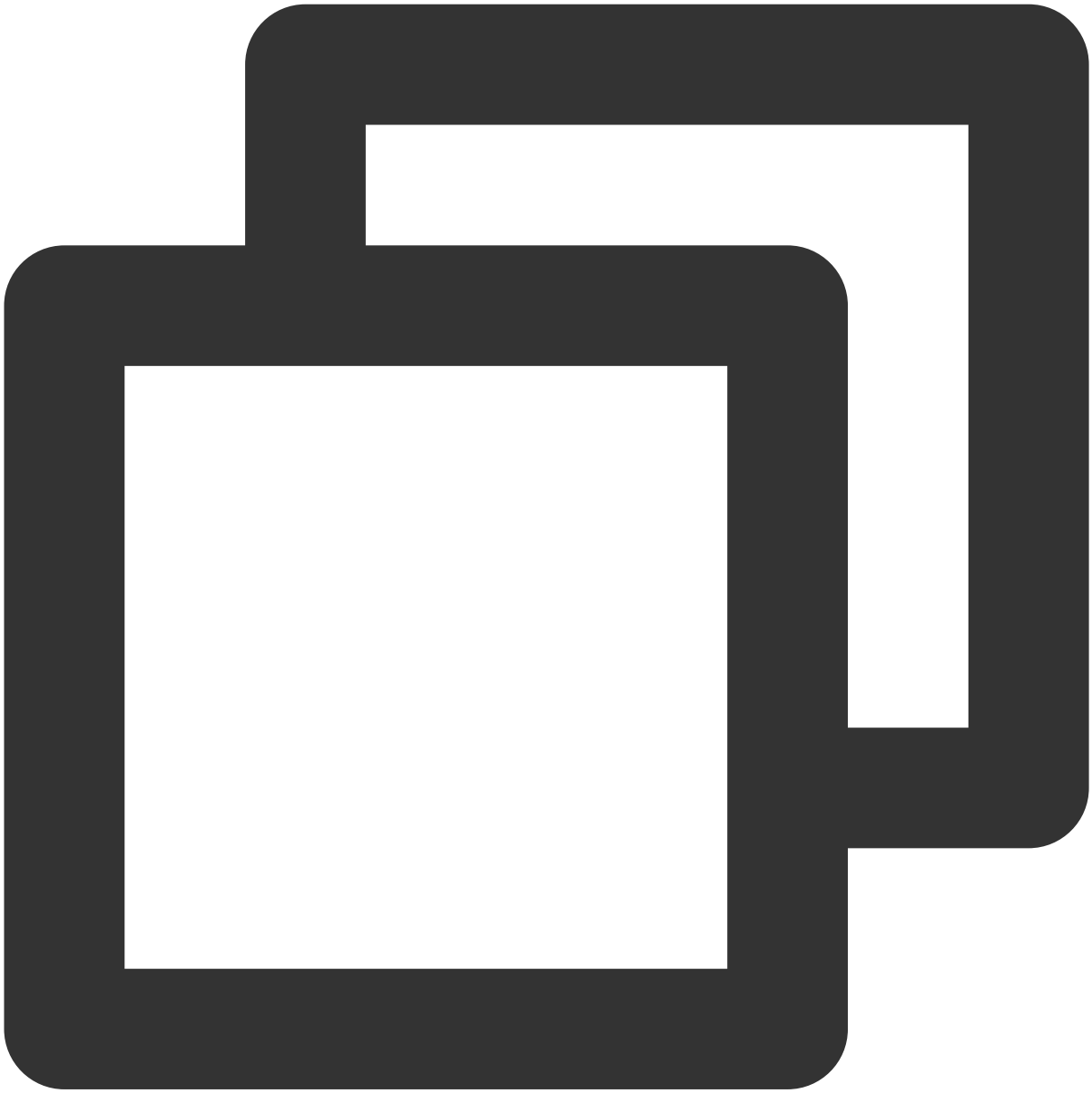

```
{
    "ChatType": "C2C",
    "MsgTime": "2015120121"
}
```

Request fields

Field	Type	Required	Description
ChatType	String	Required	Message type. `C2C` indicates a one-to-one message, whereas

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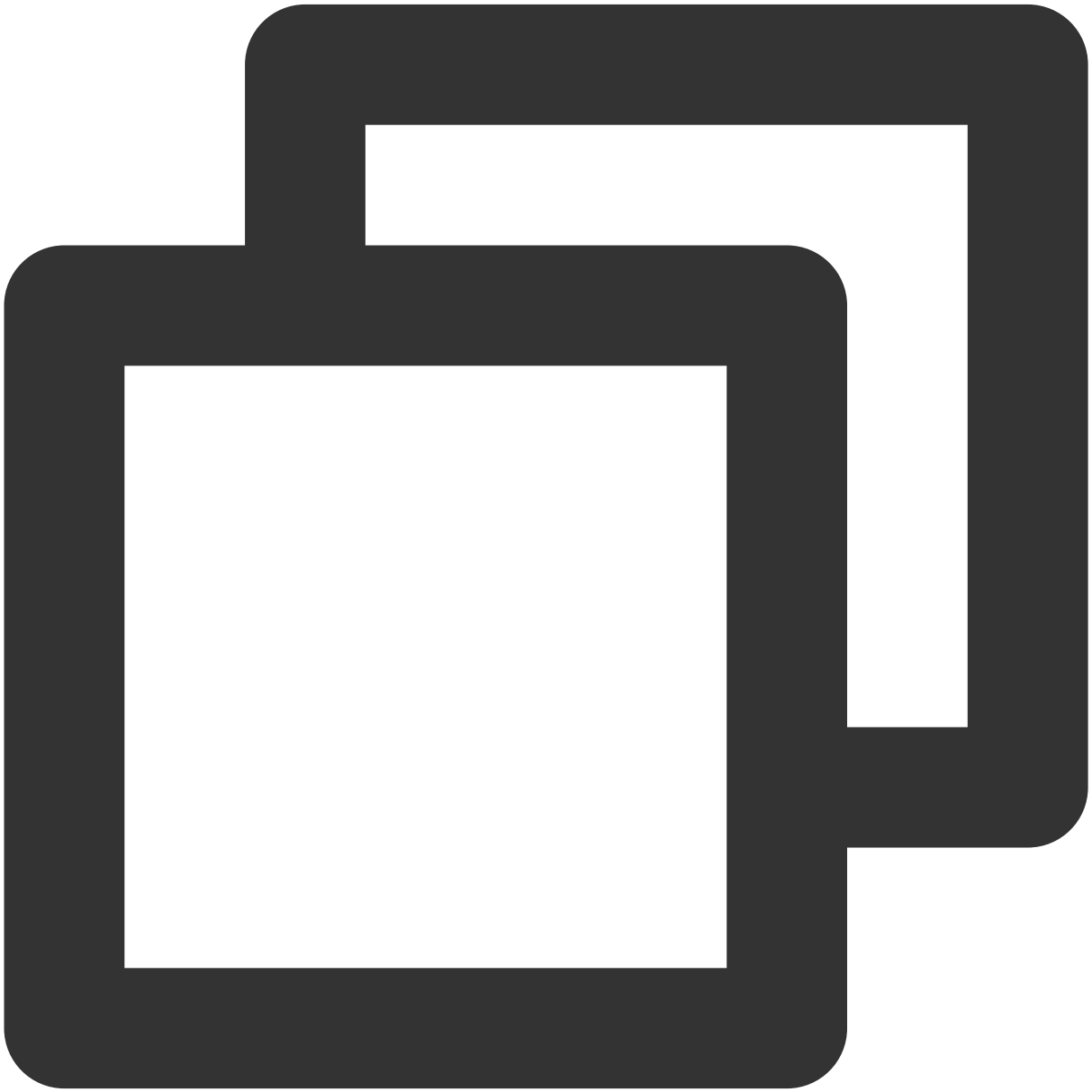
			`Group` indicates a group message.
MsgTime	String	Required	Period for downloading message records. MsgTime uses Beijing time and does not support other time zones. For example, 2015120121 indicates that messages in the period of 21:00 to 21:59 on December 1, 2015 will be downloaded. This field needs to be specified by a hour. Each request can only be used to obtain all one-to-one or group message records that occur at the specified hour on the specific day.

Sample response



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```
{
    "File": [
        {
            "URL": "https://download.tim.qq.com/msg_history/2/9b8f8f063b73f61698ce1
            "ExpireTime": "2015-12-02 16:45:23",
            "FileSize": 65207,
            "FileMD5": "cceece008bb7f469a47cf8c4b7acb84e",
            "GzipSize": 1815,
            "GzipMD5": "c3a0269dde393fd7a8bb18bfdeaeee2e"
        }
    ],
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```


Response fields

Field	Type	Description
ActionStatus	String	The processing result of the request. OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information
File	Array	Download information of the message record file
URL	String	Download address of the message record file
ExpireTime	String	Expiration time of the download address. Always download the file before the address expires. If the address expires, obtain a new address through the API.
FileSize	Integer	File size (in bytes) before GZip compression
FileMD5	String	File MD5 before GZip compression
GzipSize	Integer	File size (in bytes) after GZip compression
GzipMD5	String	File MD5 after GZip compression

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively.

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For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
1001	Invalid request. Check whether the request URL is correct.
1002	Invalid parameter. Check whether the account is the admin, required fields are specified, and the values meet protocol requirements.
1003	System error.
1004	The file has not been generated yet, or no message is delivered in the requested period.
1005	File expired.

Format of Message Record Files

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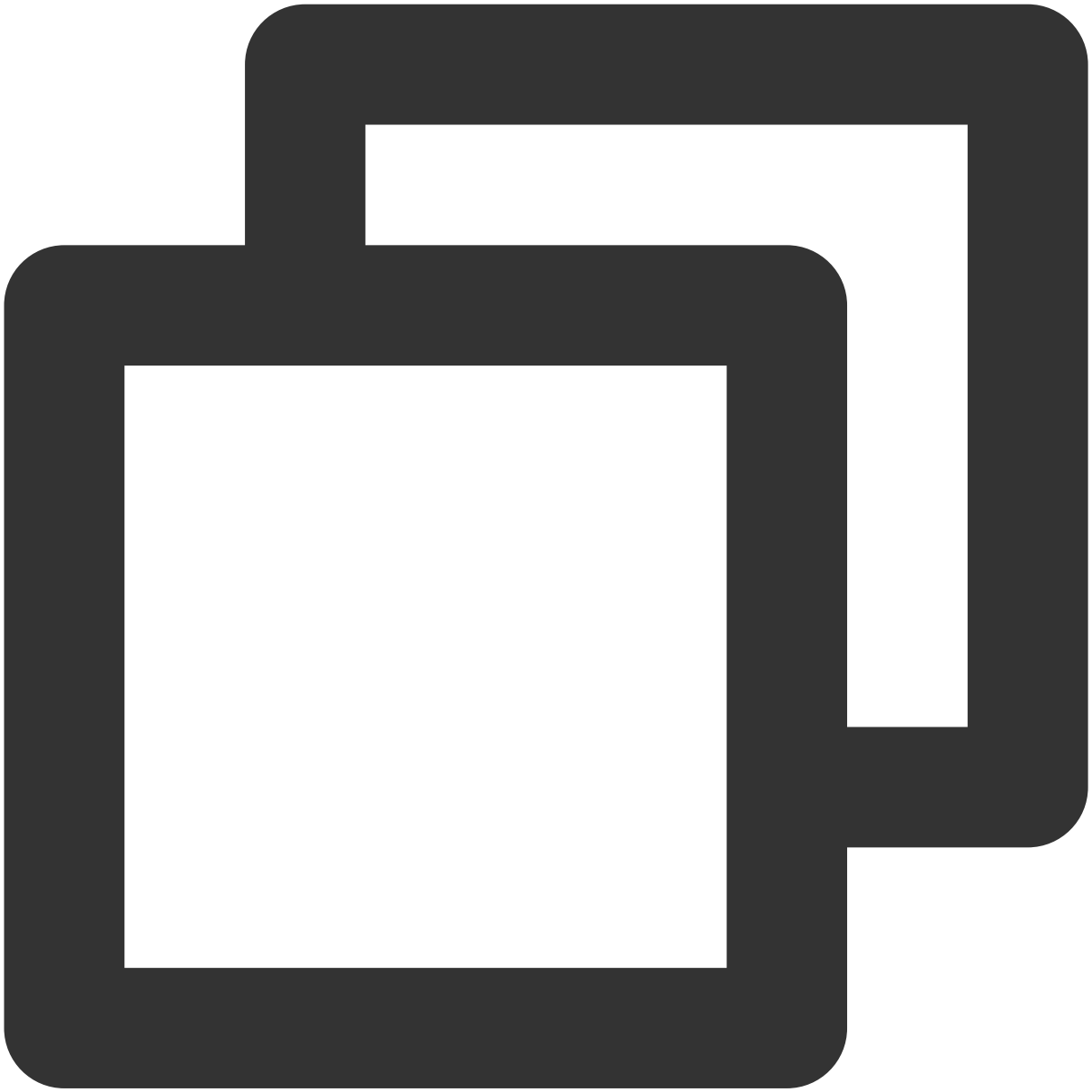

```
//For one-to-one messages
{"SdkAppId":1104620500,"ChatType":"C2C","MsgTime":"2015120121","MsgList":[
{"From_Account":"peakerdong","To_Account":"qiyueliuhuo2018","MsgTimestamp":14489748
{"From_Account":"group_root","To_Account":"group_test4","MsgTimestamp":1448974808,"
]}

//For group messages
{"SdkAppId":1104620500,"ChatType":"Group","MsgTime":"2015120121","MsgList":[
{"From_Account":"Test_1","GroupId":"@TGS#1FDFVPAE2","MsgTimestamp":1448975384,"MsgS
{"From_Account":"Test_1","GroupId":"@TGS#1FDFVPAE2","MsgTimestamp":1448975384,"MsgS
]}
```

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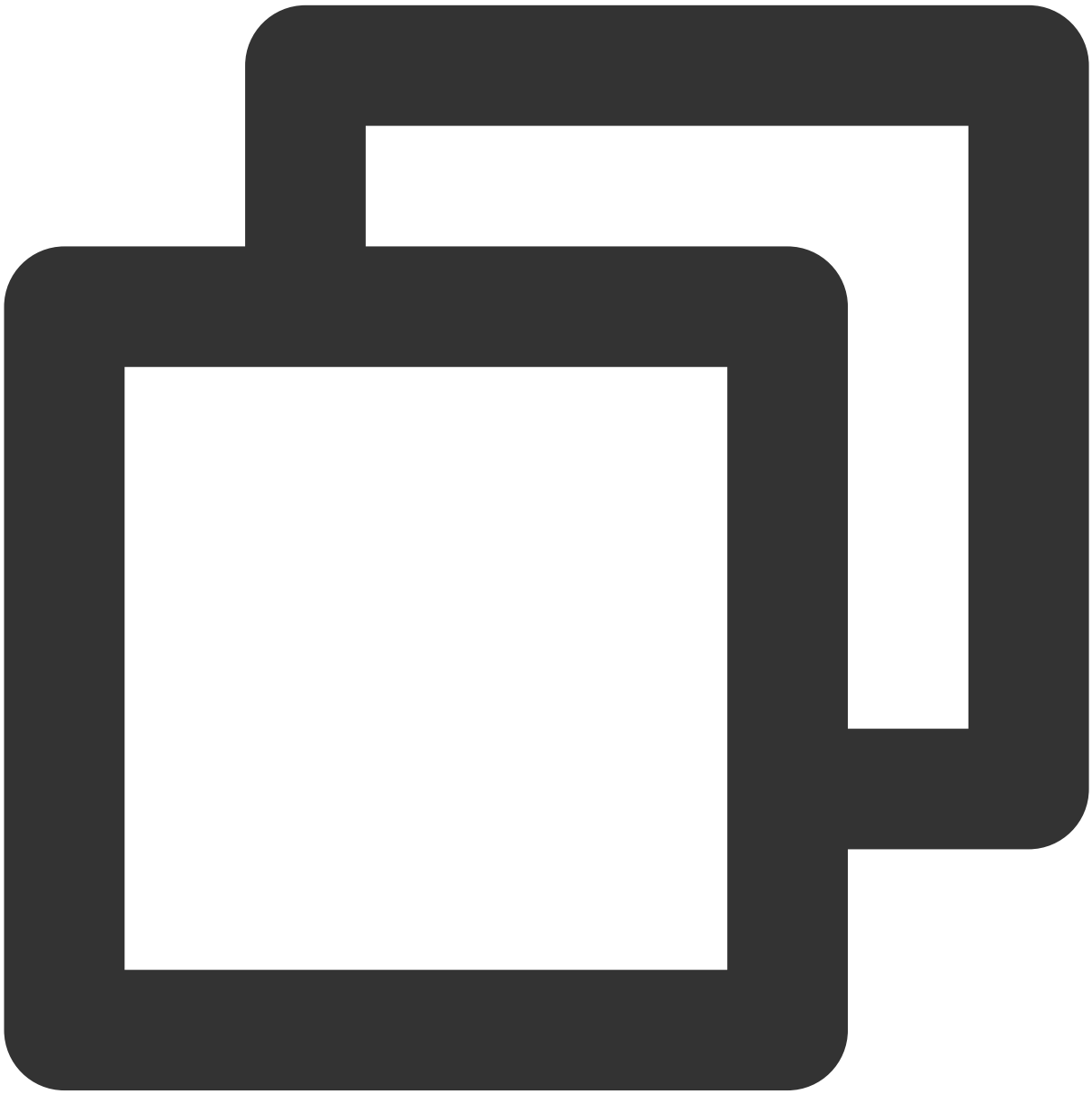
The first line of the file records basic information about the file. Each following line records a message until the last line that ends with "]}". For the format of each message, see the definitions in TIMMsgElement Objects.
If the file is small, you can use the JSON database to parse the entire file. `MsgList` indicates the message array for the specified period. For example:



```
# Python sample code
import gzip, json
with gzip.open('1104620500_Group_2015120121.gz', 'rb') as fp:
  info = json.load(fp)
for msg in info['MsgList']:
```

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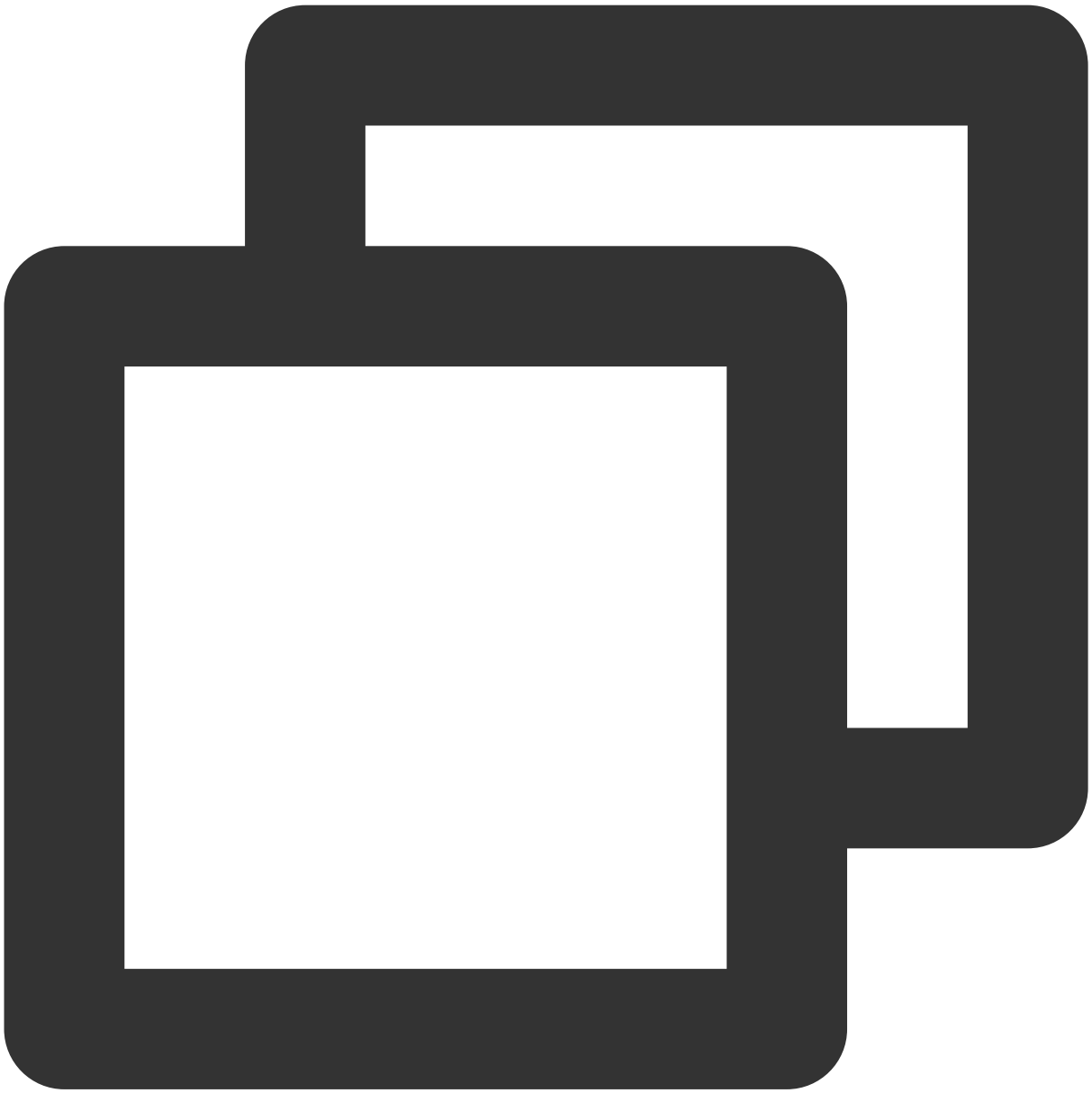
```
    pass #do sth with msg
```

If the file is large, we recommend that you parse it line by line. For example:



```
# Python sample code
import gzip, json
with gzip.open('1104620500_Group_2015120121.gz', 'rb') as fp:
  cnt = -1
  for line in fp:
      line = line.strip().rstrip(b',')
      if line == b']}': break
      if cnt < 0:
```

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```
            info = json.loads(line + b']}')
        else:
            msg = json.loads(line)
            #do sth with msg
        cnt += 1
```

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Getting Server IP Addresses

Last updated：2024-07-16 11:29:54

Feature Overview

Sometimes, you may need to obtain the list of server IP addresses for security purposes. The app admin can use this API to obtain the list of server IP addresses or IP ranges used by the SDK and webhook.

API Calling Description

Sample request URL

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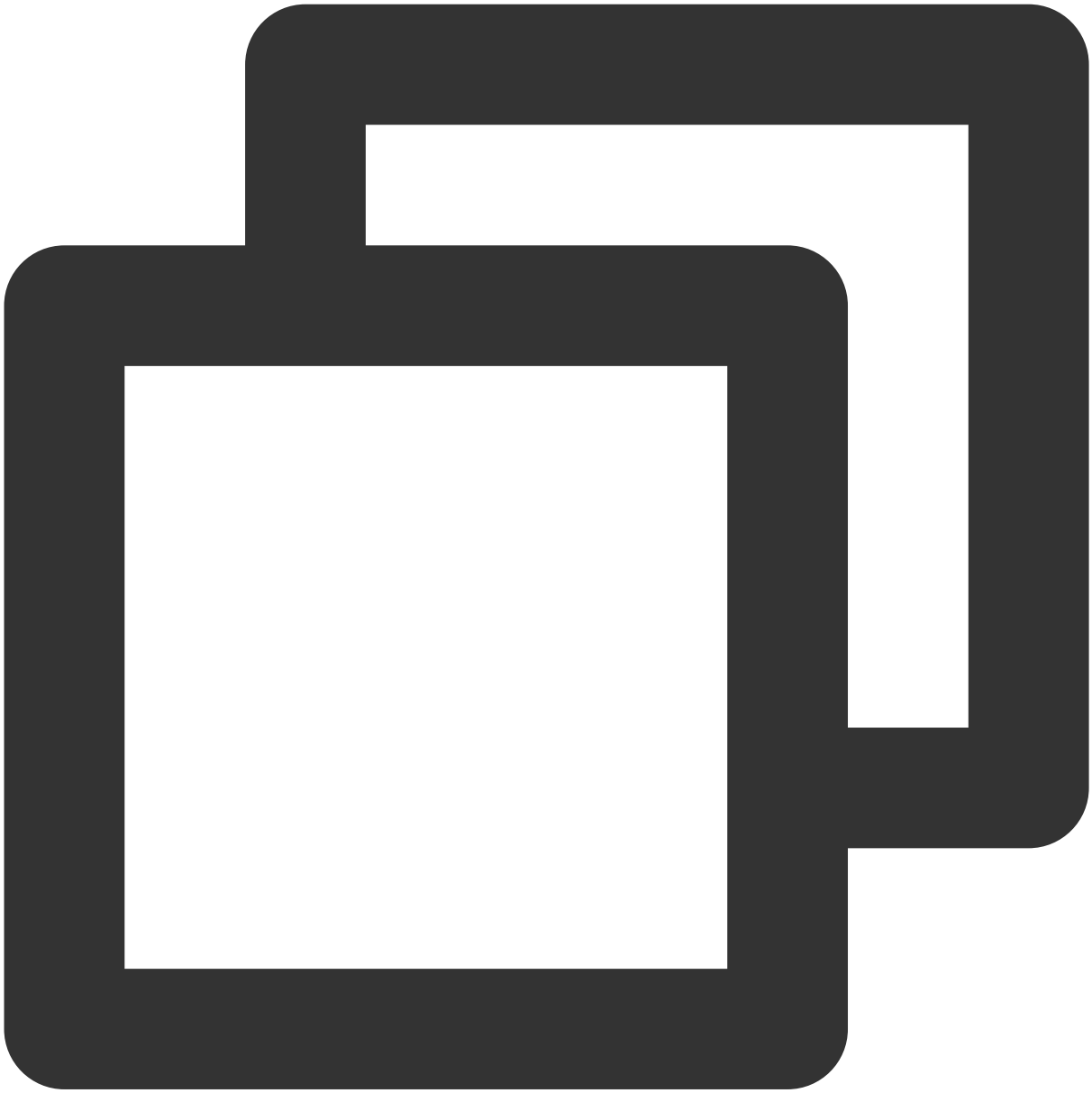

```
https://xxxxxx/v4/ConfigSvc/GetIPList?sdkappid=88888888&identifier=admin&usersig=xx
```

Request parameters

The following table describes the modified parameters when this API is called. For other parameters, see RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/ConfigSvc/GetIPList	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	Request format. The value is fixed to `json` .
nettype	Request a list of server IP addresses of a specified type: nettype=0: List of all server IP addresses nettype=1: List of the server IP addresses accessed by the native SDK inside China (including Hongkong, China) nettype=2: List of the server IP addresses accessed by the native SDK outside China nettype=3: List of the server IP addresses accessed by the web SDK inside China (including Hongkong, China) nettype=4: List of the server IP addresses accessed by the web SDK outside China nettype=5: List of egress addresses used by Chat for webhooks inside China (including Hongkong, China) nettype=6: List of egress addresses used by Chat for webhooks outside China

Note

For the webhook business, the business server needs to add the Chat service egress addresses to the allowlist. You can set `nettype` to 5 (or 6) according to the business server address region to get the list of Chat service egress addresses.

Maximum call frequency

200 calls per second

Sample request

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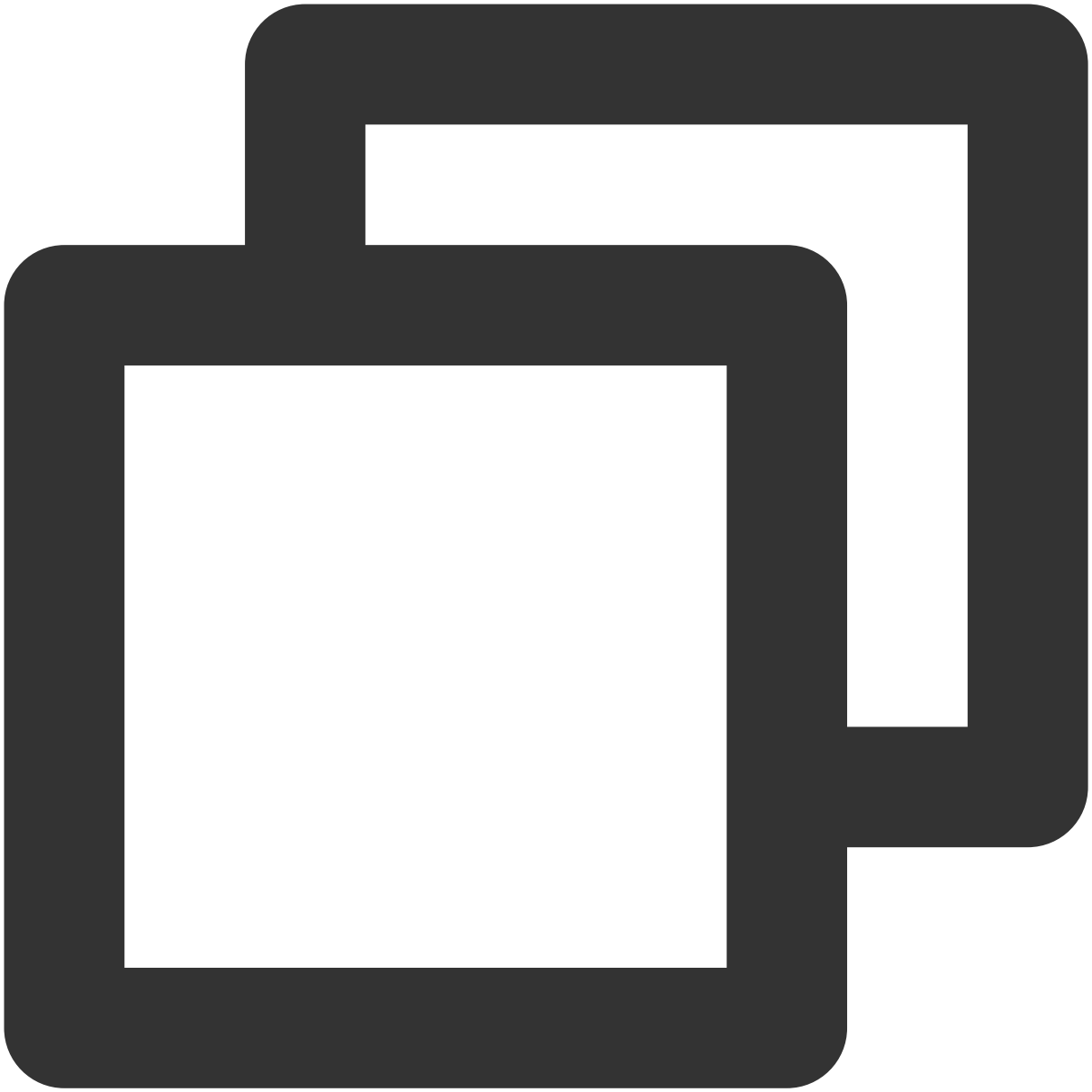

```
{}
```

Sample response

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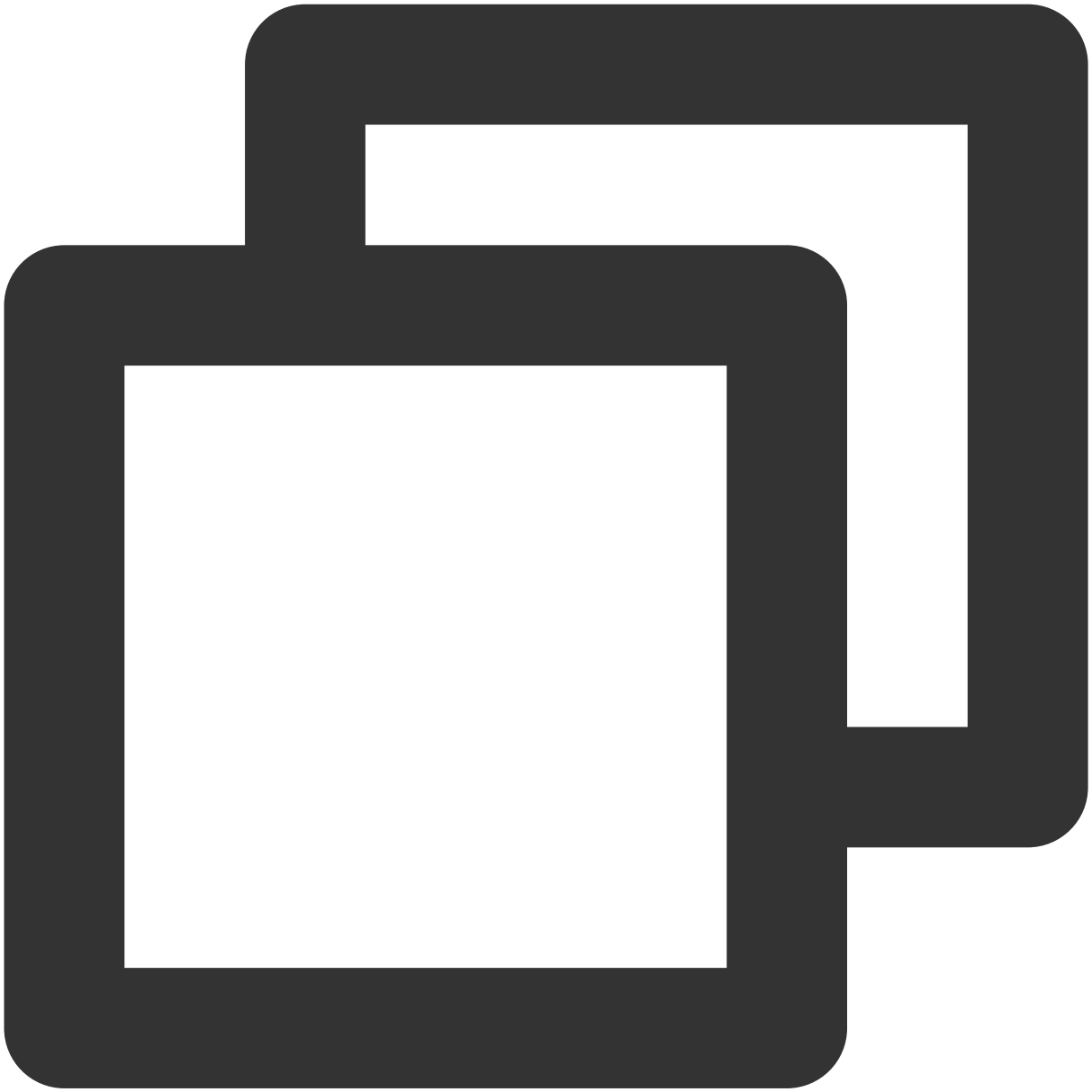

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "IPList": [ "127.0.0.2",   "183.192.202.0/25" ]
}
```

Response fields

Field	Type	Description

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IPList	Array	List of server IP addresses
ErrorCode	Integer	Error code. `0` : Successful; other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

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Chatbots
Pulling Chatbot Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used to pull the list of all chatbot accounts. A chatbot account is a special account whose `userid` must start with `@RBT#` .

API Calling Description

Sample request URL

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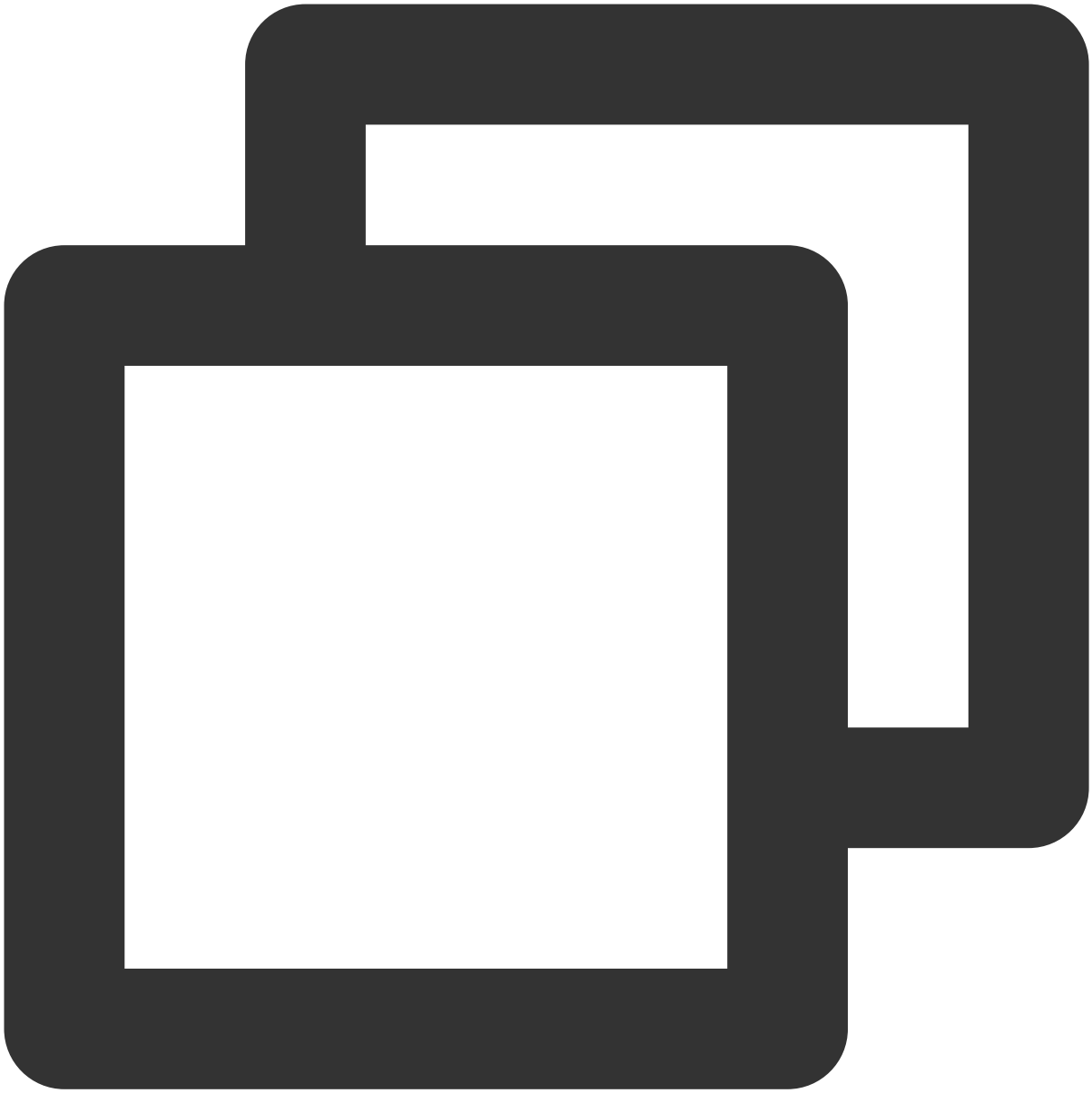

```
https://xxxxxx/v4/openim_robot_http_svc/get_all_robots?sdkappid=88888888&identifier
```

Request parameters

The following table lists the parameters used when this API is called and their descriptions. For other parameters, see the RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_robot_http_svc/get_all_robots	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second.

Sample request

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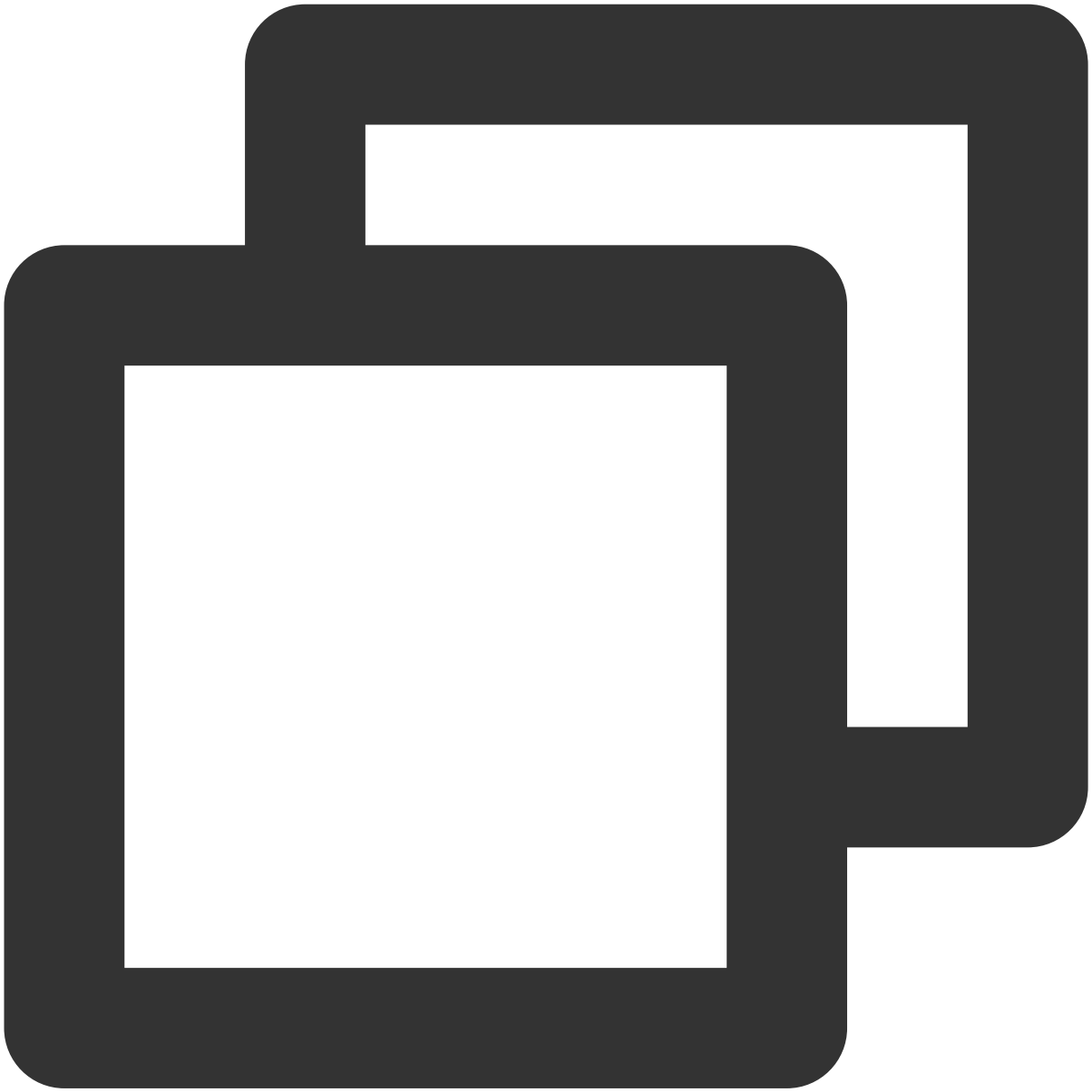

```
{}
```

Sample response

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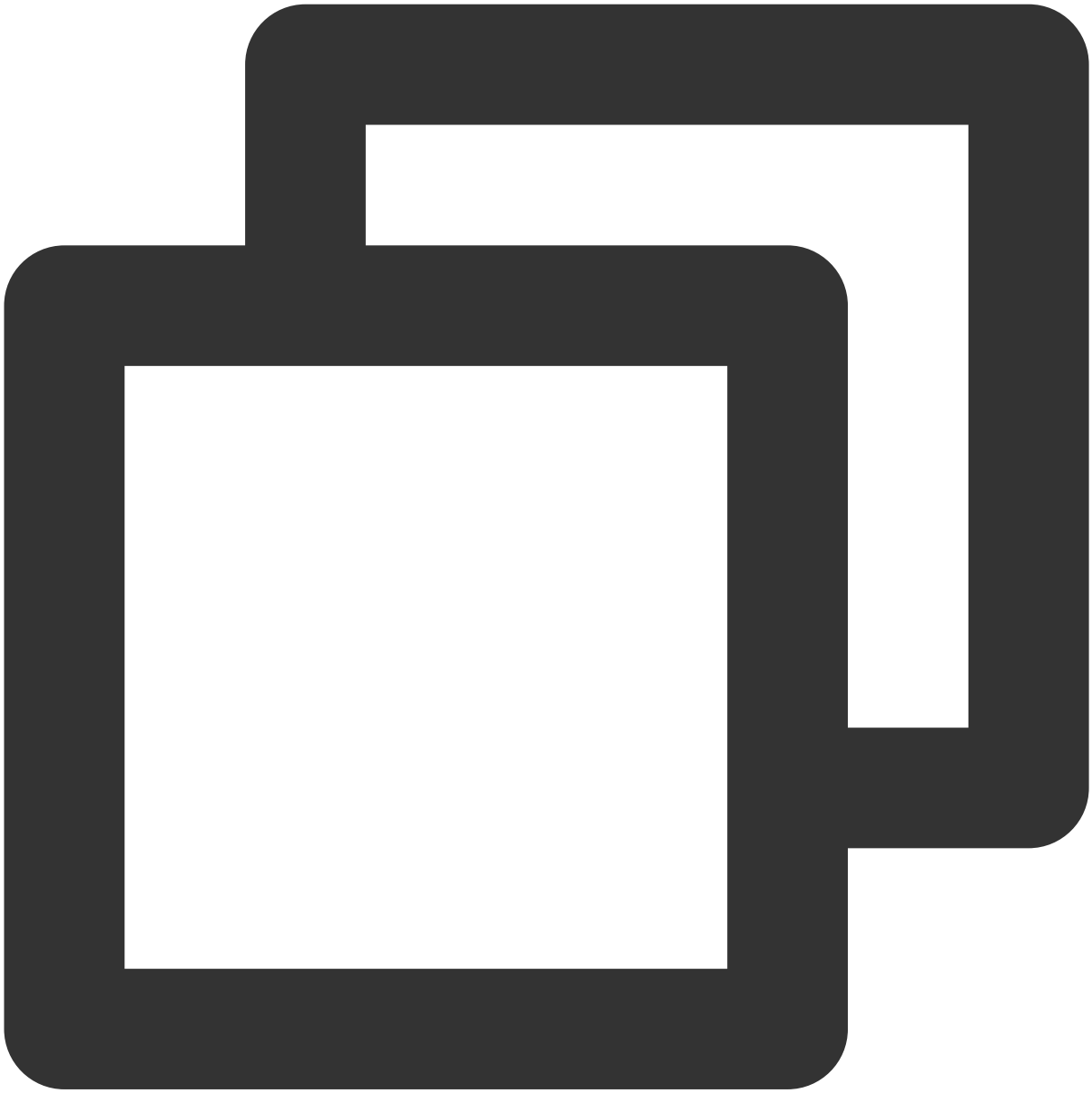

```
{
   "ActionStatus":"OK",
   "ErrorInfo":"",
   "ErrorCode":0,
   "Robot_Account": [
        "@RBT#001",
        "@RBT#002",
        "@RBT#003"
    ]
}
```

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Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information
Robot_Account	Array	List of bot UserIDs

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal error. Try again.
10008	Invalid request. For example, the request requires app admin permissions or the number of created chatbots reaches the upper limit.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Querying Accounts (v4/im_open_login_svc/account_check)

Setting Profiles (v4/profile/portrait_set)

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Creating Chatbot Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used to create a chatbot account. A chatbot account is a special account whose `userid` must start with `@RBT#` . Users can set the nicknames, profile photos, and statuses for chatbot accounts when creating them.

Note:

Repeatedly calling this API with the same chatbot `userid` will create only one chatbot account.

Each Chat account can create up to 20 chatbot accounts.

API Calling Description

Sample request URL

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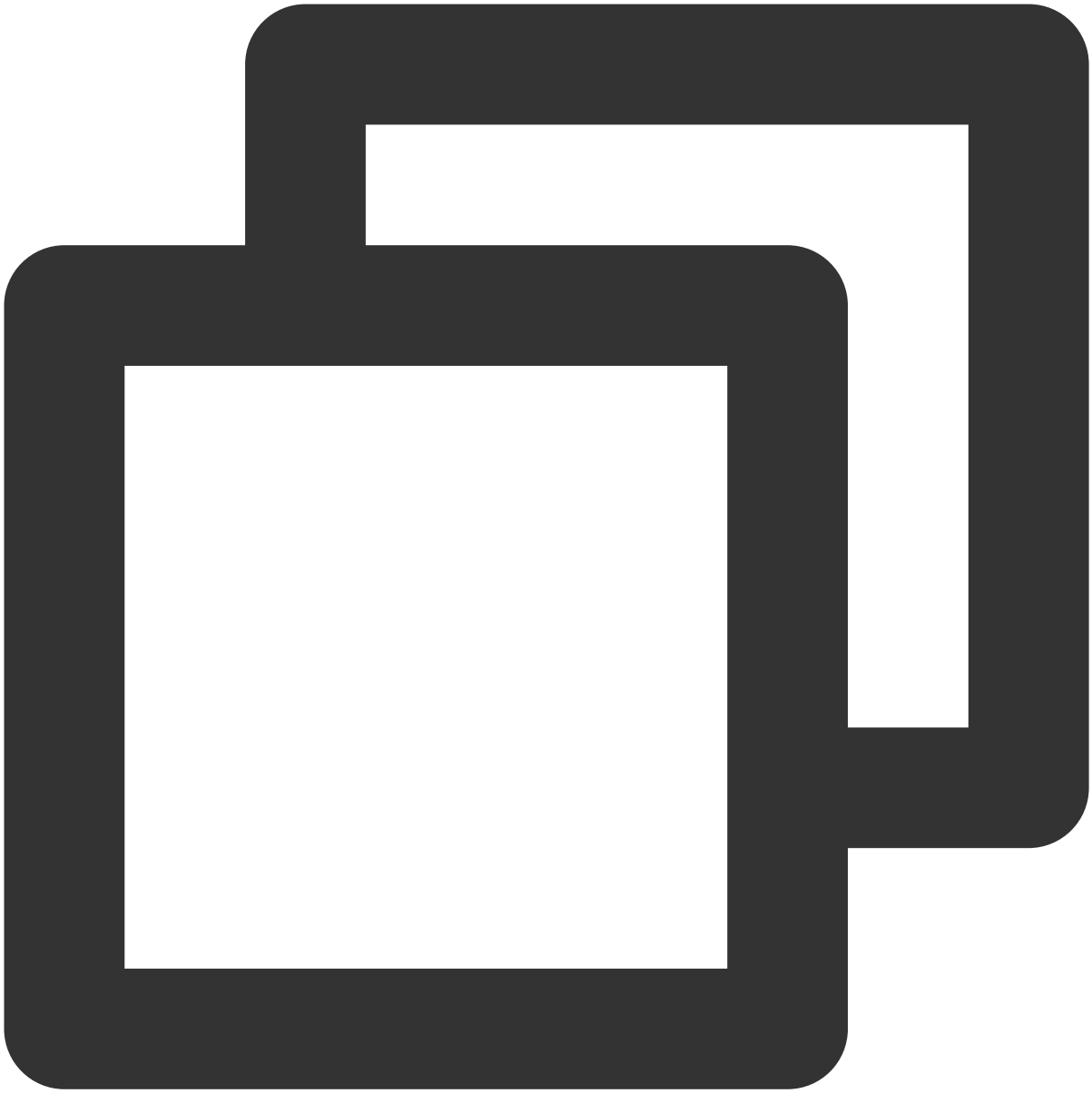

```
https://xxxxxx/v4/openim_robot_http_svc/create_robot?sdkappid=88888888&identifier=a
```

Request parameters

The following table lists the parameters used when this API is called and their descriptions. For other parameters, see the RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_robot_http_svc/create_robot	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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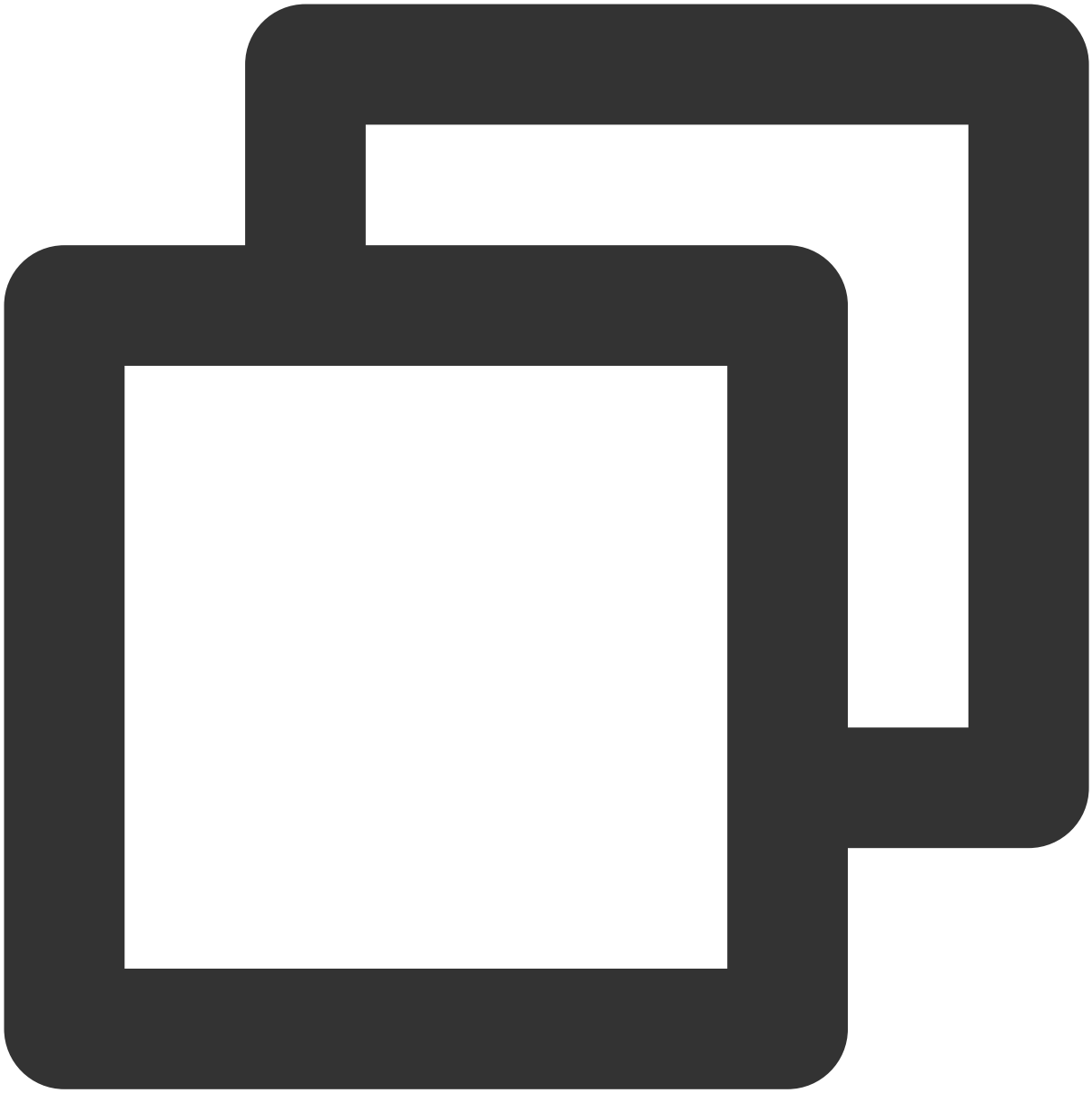

```
{
    "UserID": "@RBT#001",
    "Nick": "Jarvis",
    "FaceUrl": "www.example.com/head.jpg",
    "SelfSignature": "hello, world"
}
```

Request fields

Field	Type	Required	Description

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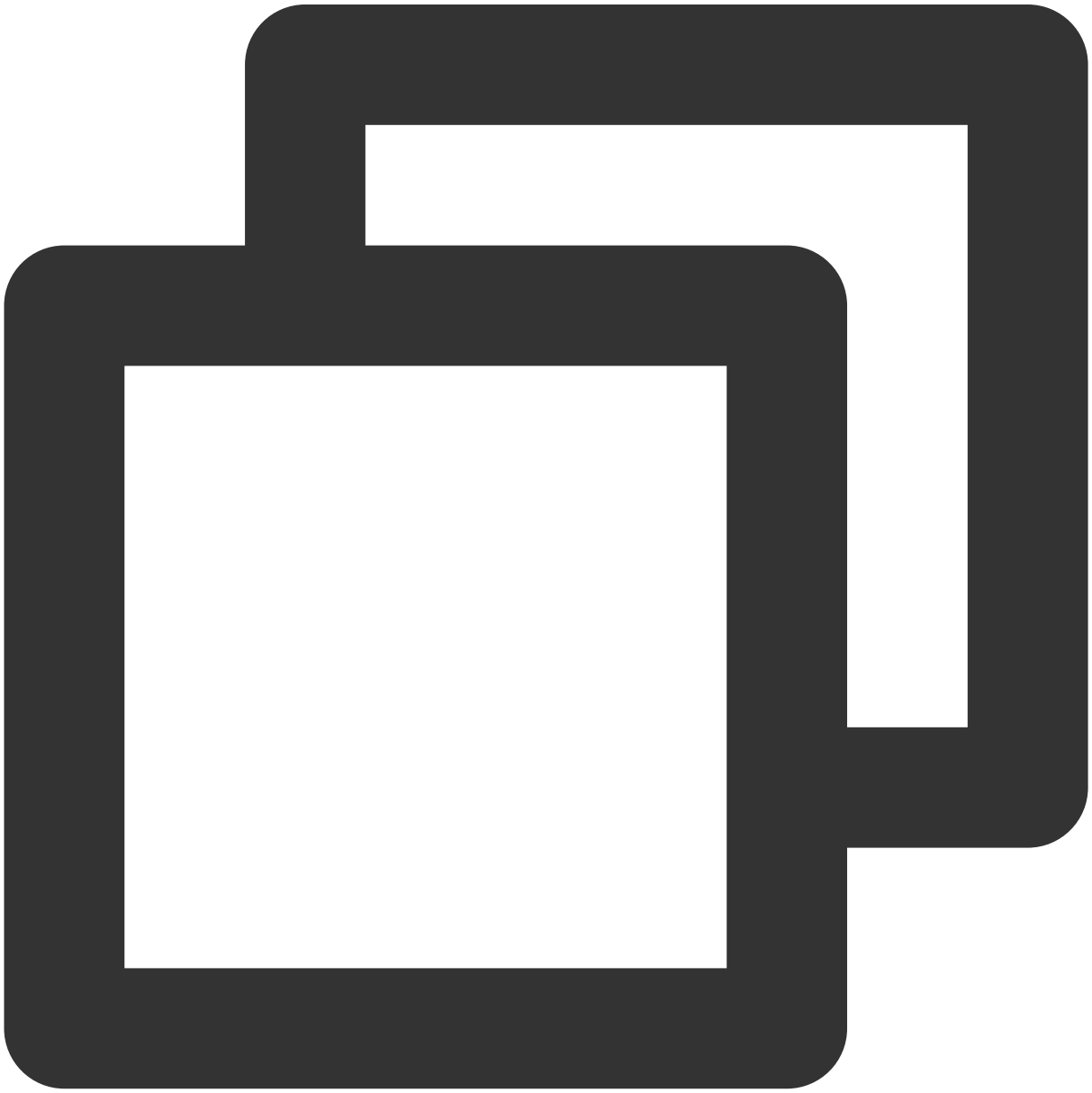
UserID	String	Yes	Chatbot username, which is a string of up to 32 bytes in length and must start with `@RBT#` .
Nick	String	No	Chatbot nickname
FaceUrl	String	No	URL of the bot's profile photo
SelfSignature	String	No	Status of the chatbot, which is up to 500 bytes.

Sample response



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```
{
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode":0
}
```

Response fields

Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes. The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal error. Try again.
10004	Invalid parameter. Check whether the required fields are all set and whether the parameter settings meet the protocol requirements.
10008	Invalid request. For example, the request requires app admin permissions or the number of created chatbots reaches the upper limit.
40006	An internal server error occurred during profile setting. Try again later.
40601	The value of the profile field exceeds the length limit of 500 bytes.
70398	The number of accounts exceeds the limit allowed. To create more than 100 accounts, upgrade your app. For upgrade instructions, see Purchase Guide.

API Debugging Tool

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Use the RESTful API online debugging tool to debug this API.

References

Querying Accounts (v4/im_open_login_svc/account_check)
Setting Profiles (v4/profile/portrait_set)

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Deleting Chatbot Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used to delete chatbots. A chatbot account is a special account whose `userid` must start with `@RBT#` .

Note:

This API can set a bot account to invalid.

The UserID of the bot account will not be deleted.

API Calling Description

Sample request URL

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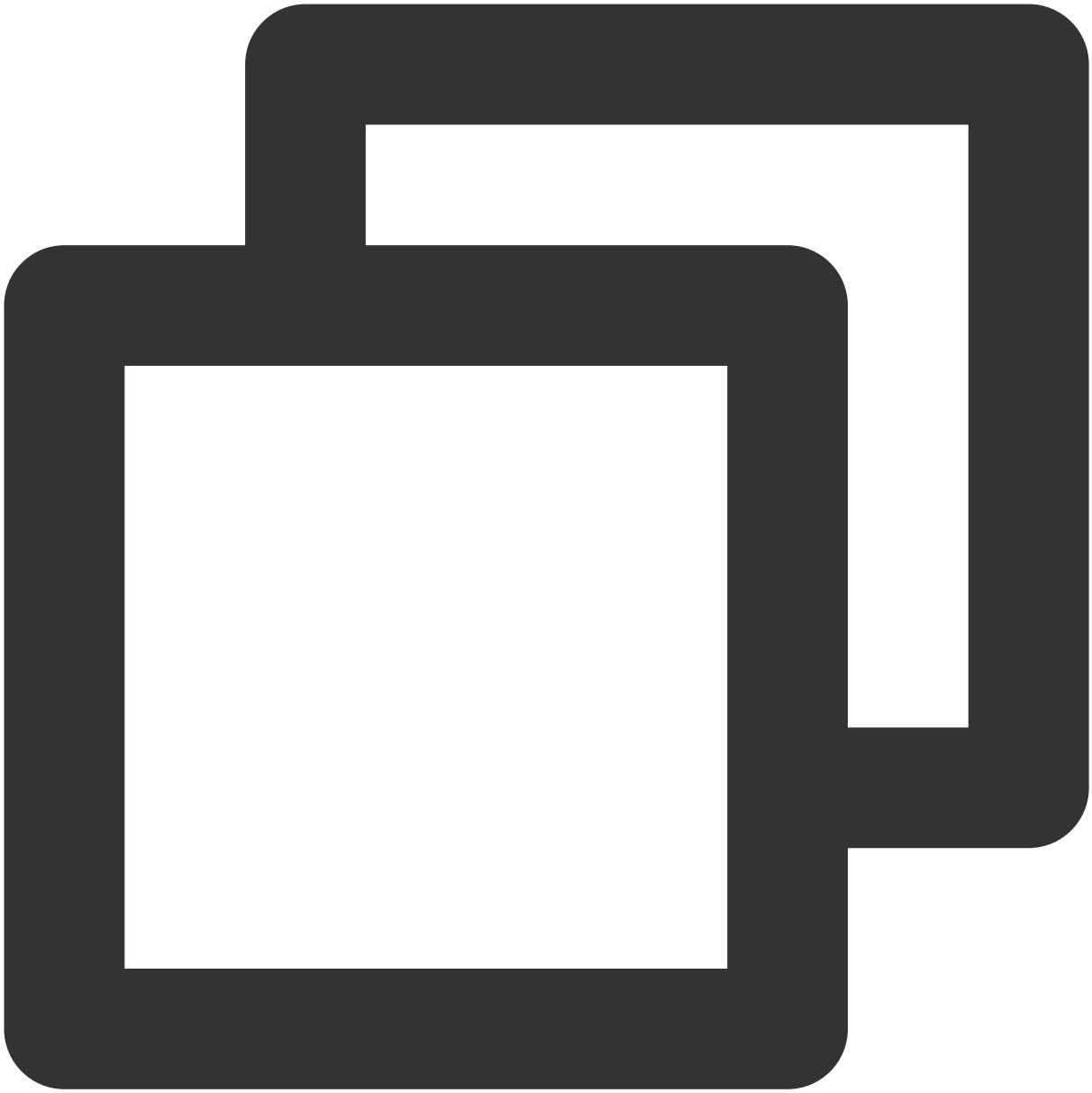

```
https://xxxxxx/v4/openim_robot_http_svc/delete_robot?sdkappid=88888888&identifier=a
```

Request parameters

The following table lists the parameters used when this API is called and their descriptions. For other parameters, see the RESTful API Overview.

Parameter	Description
xxxxxx	Domain name corresponding to the country/region where your SDKAppID is located.

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/openim_robot_http_svc/delete_robot	Request API
sdkappid	SDKAppID assigned by the Chat console when an app is created
identifier	App admin account. For more information, see the **App Admin** section in Login Authentication.
usersig	Signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295
contenttype	Request format, which should always be `json` .

Maximum call frequency

200 calls per second

Sample request

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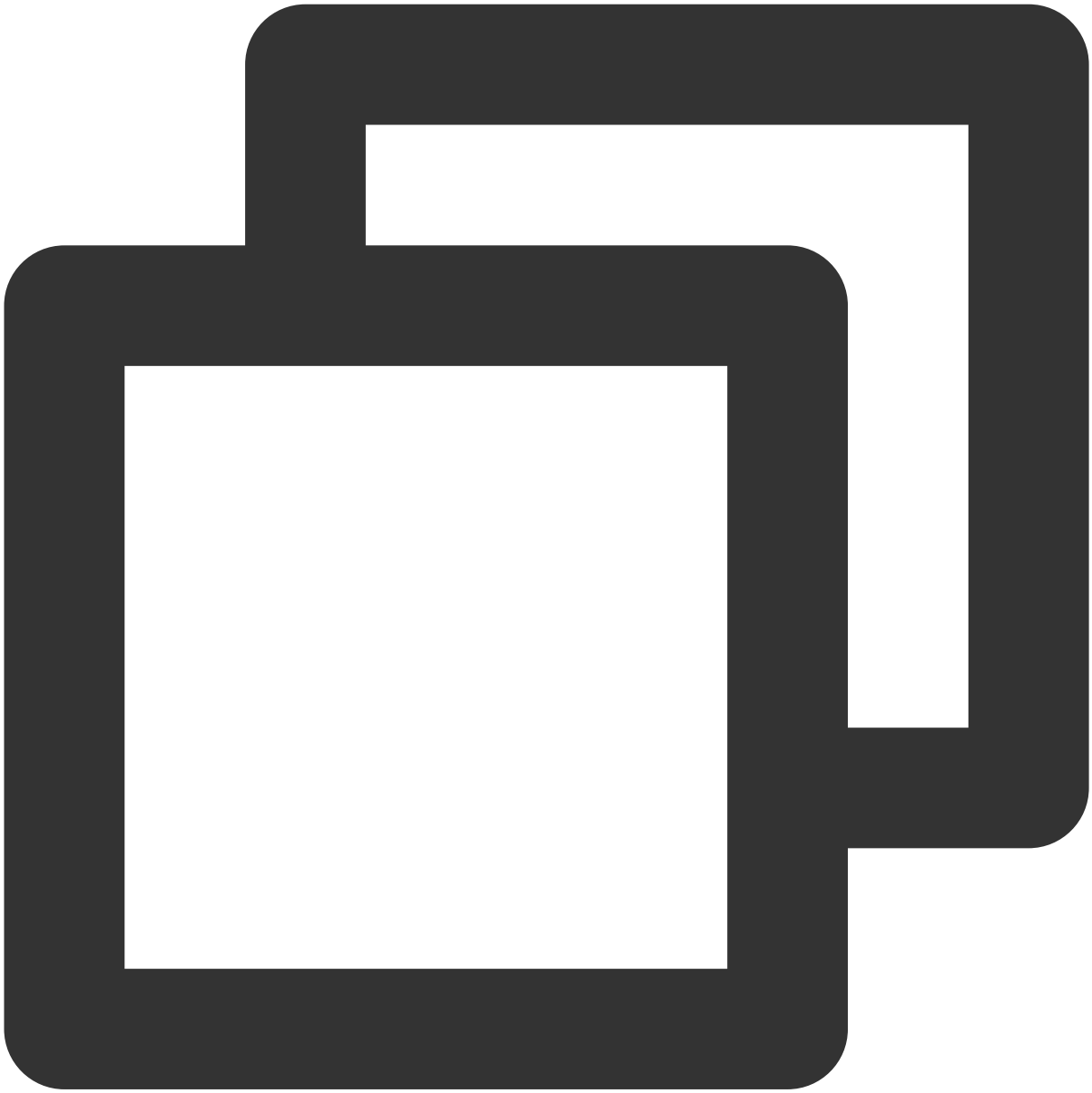

```
{
    "Robot_Account": "@RBT#001"
}
```

Request fields

Field	Type	Required	Description
Robot_Account	String	Yes	Chatbot username, which is a string of up to 32 bytes in length and must start with `@RBT#` .

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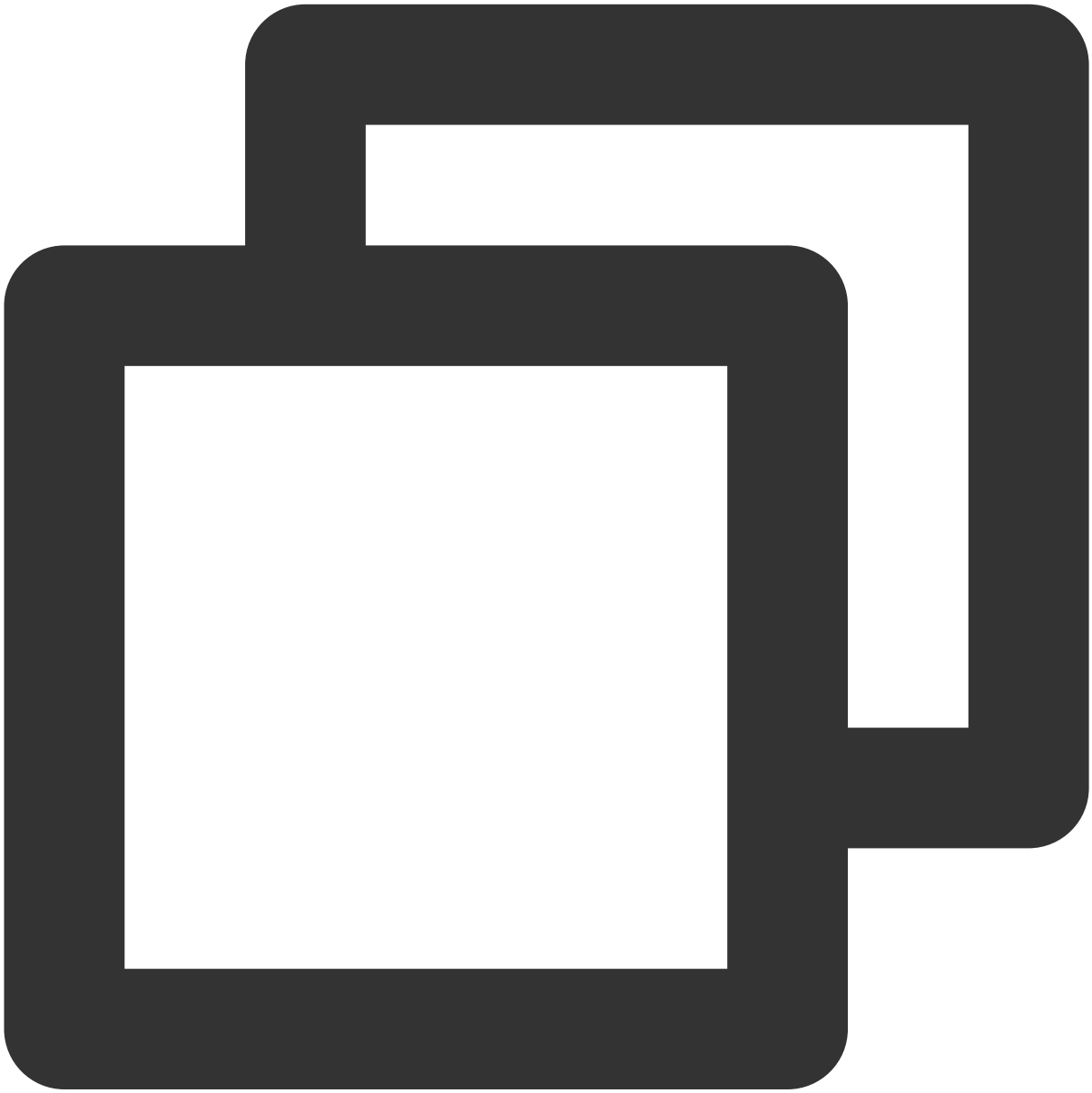
Sample response



```
{
    "ActionStatus":"OK",
    "ErrorInfo":"",
    "ErrorCode":0
}
```

Response fields

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Field	Type	Description
ActionStatus	String	Request result. `OK` : Successful. `FAIL` : Failed
ErrorCode	Integer	Error code. `0` : Successful. Other values: Failed
ErrorInfo	String	Error information

Error Codes

The returned HTTP status code for this API is always 200 unless a network error (such as error 502) occurs. The specific error code and details can be found in the response fields `ErrorCode` and `ErrorInfo` respectively. For public error codes (60000 to 79999), see Error Codes. The following table describes the error codes specific to this API:

Error Code	Description
10002	Internal error. Try again.
10004	Invalid parameter. Check whether the required fields are all set and whether the parameter settings meet the protocol requirements.
10008	Invalid request. For example, the request requires app admin permissions or the number of created chatbots reaches the upper limit.

API Debugging Tool

Use the RESTful API online debugging tool to debug this API.

References

Querying Accounts (v4/im_open_login_svc/account_check)
Setting Profiles (v4/profile/portrait_set)

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Official Account Management

Official Account Related

Creating Official Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to create an official account.

API Calling Description

Sample Request URL

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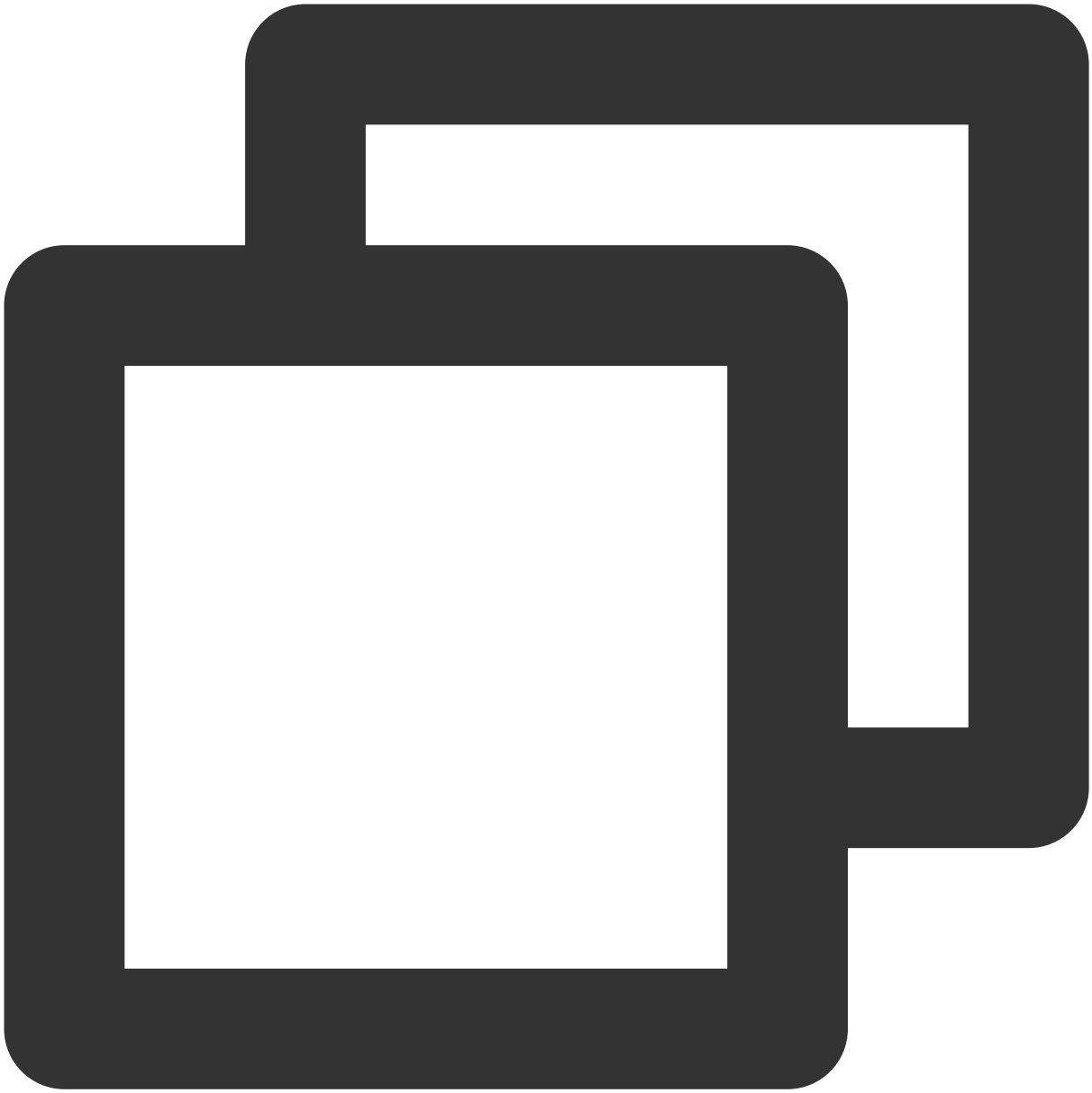

```
https://xxxxxx/v4/official_account_open_http_svc/create_official_account?sdkappid=8
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/create_official_account	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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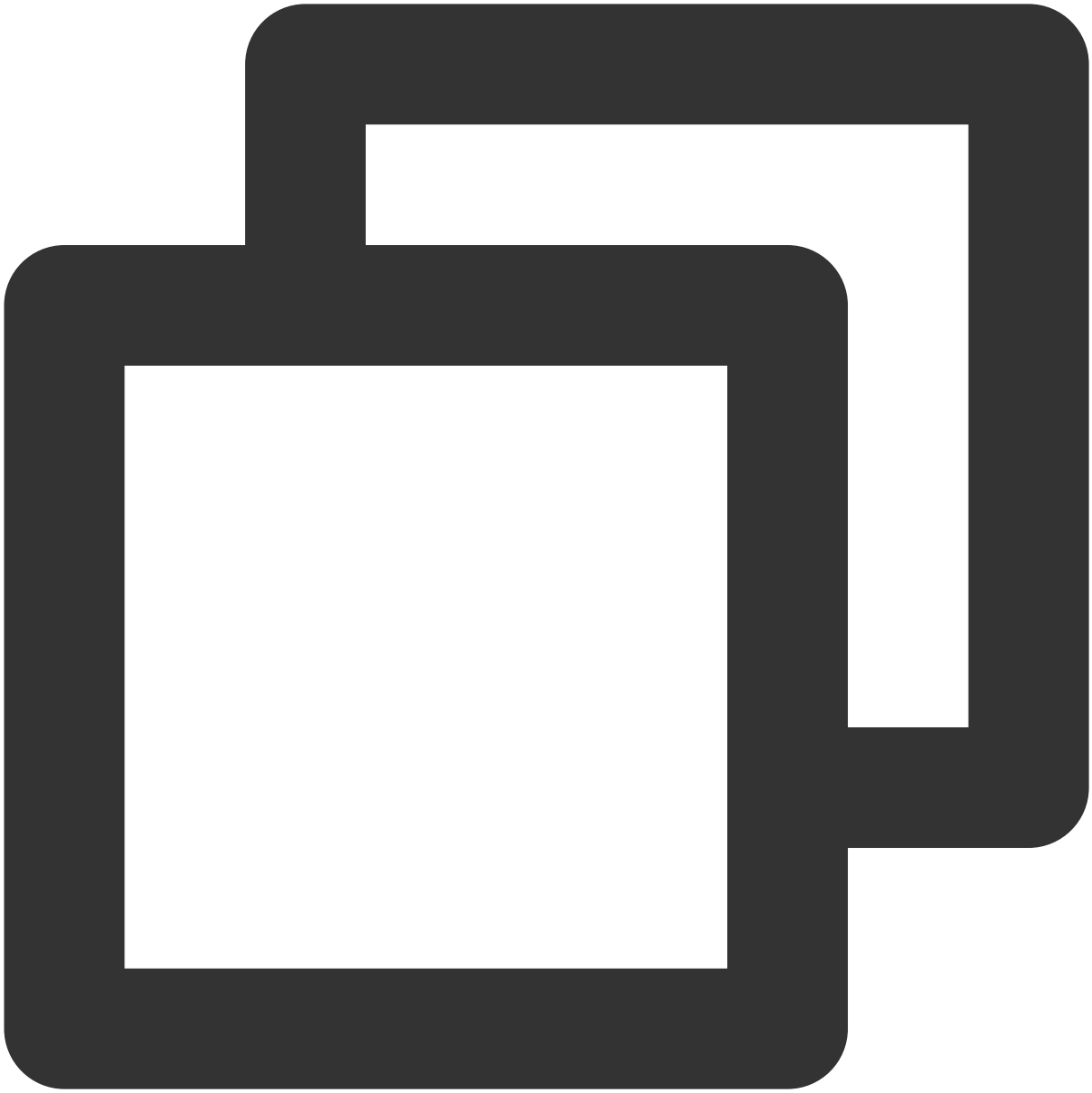

```
{
    "OfficialAccountUserID": "@TOA#_test_id", // The prefix of the custom official
    "Owner_Account": "107867",
    "CustomString": "test_custom_string",
    "FaceUrl": "http://this.is.face.url",
    "Introduction": "This is test Introduction",
    "MaxSubscriberNum": 1000,
    "Name": "test_official_account",
    "Organization": "test_organization"
}
```

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Request Fields

Field	Type	Required	Description
Owner_Account	String	Yes	The account ID that owns the official account (must be an imported account), representing the owner of the official account.
OfficialAccountUserID	String	No	ID of the official account. In order to make the official account ID simpler and easier to remember and spread, Tencent Cloud supports customizing the official account ID when the app creates an official account through the RESTful API. If not specified, the system will generate an official account ID by default and return it.
Name	String	Yes	Name of the official account, up to 150 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
Introduction	String	No	Introduction to the official account, up to 400 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
FaceUrl	String	No	Avatar of the official account, up to 500 bytes in length.
MaxSubscriberNum	Integer	No	The maximum number of subscribers to an official account, with a default value of 100,000 when not specified.
Organization	String	No	Group organization the official account belongs to, up to 500 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
CustomString	String	No	The custom field of the official account, up to 3,000 bytes. It can be used by the business layer to meet the requirements of special scenarios.

Sample Response Packets

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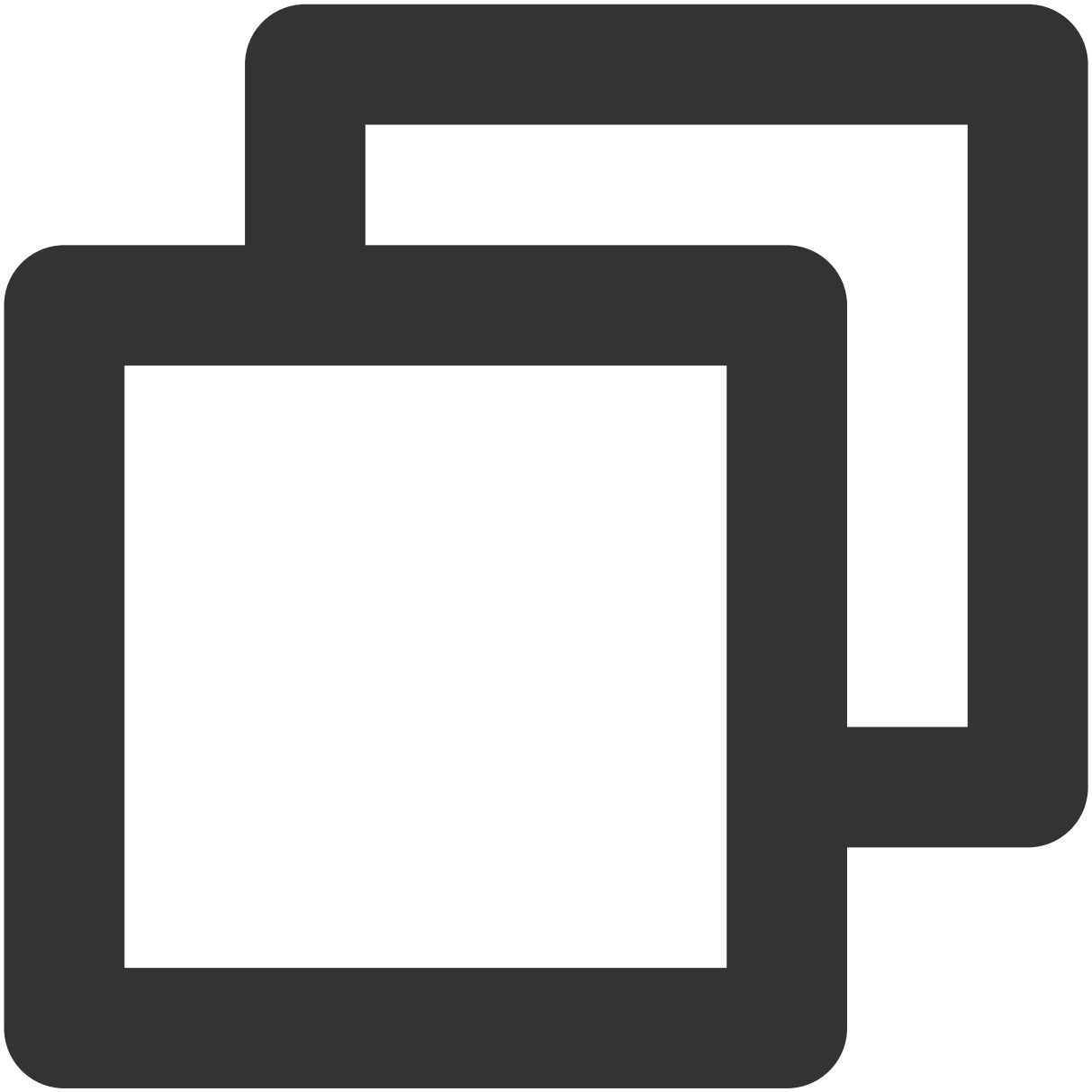

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "OfficialAccountUserID": "@TOA#_test_id"
}
```

Response Fields

Field	Type	Description

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ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
OfficialAccountUserID	String	The official account ID after successful creation. The ID defined by the user or assigned by the Chat backend is returned.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use. Please modify and retry.
131000	This AppId has not been enabled with official account service. Please enable it and retry.
130010	The number of created official accounts exceeds the limit. Please dissolve some official accounts or upgrade the service.

References

Terminating Official Accounts

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Possibly Triggered Callbacks

Before an Official Account Is Created
After an Official Account Is Created

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Terminating Official Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to terminate an official account.

API Calling Description

Sample Request URL

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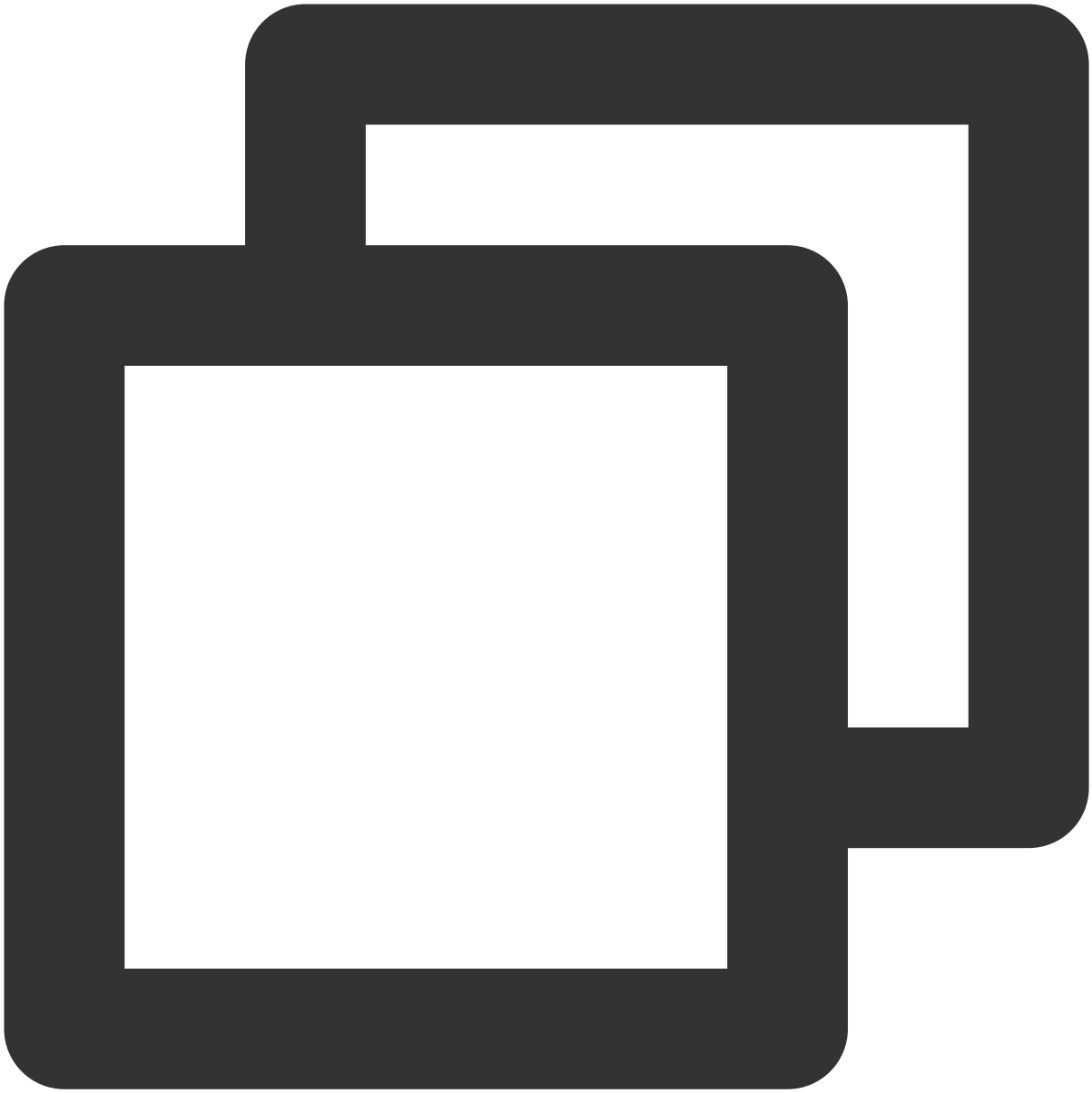

```
https://xxxxxx/v4/official_account_open_http_svc/destroy_official_account?sdkappid=
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/destroy_official_account	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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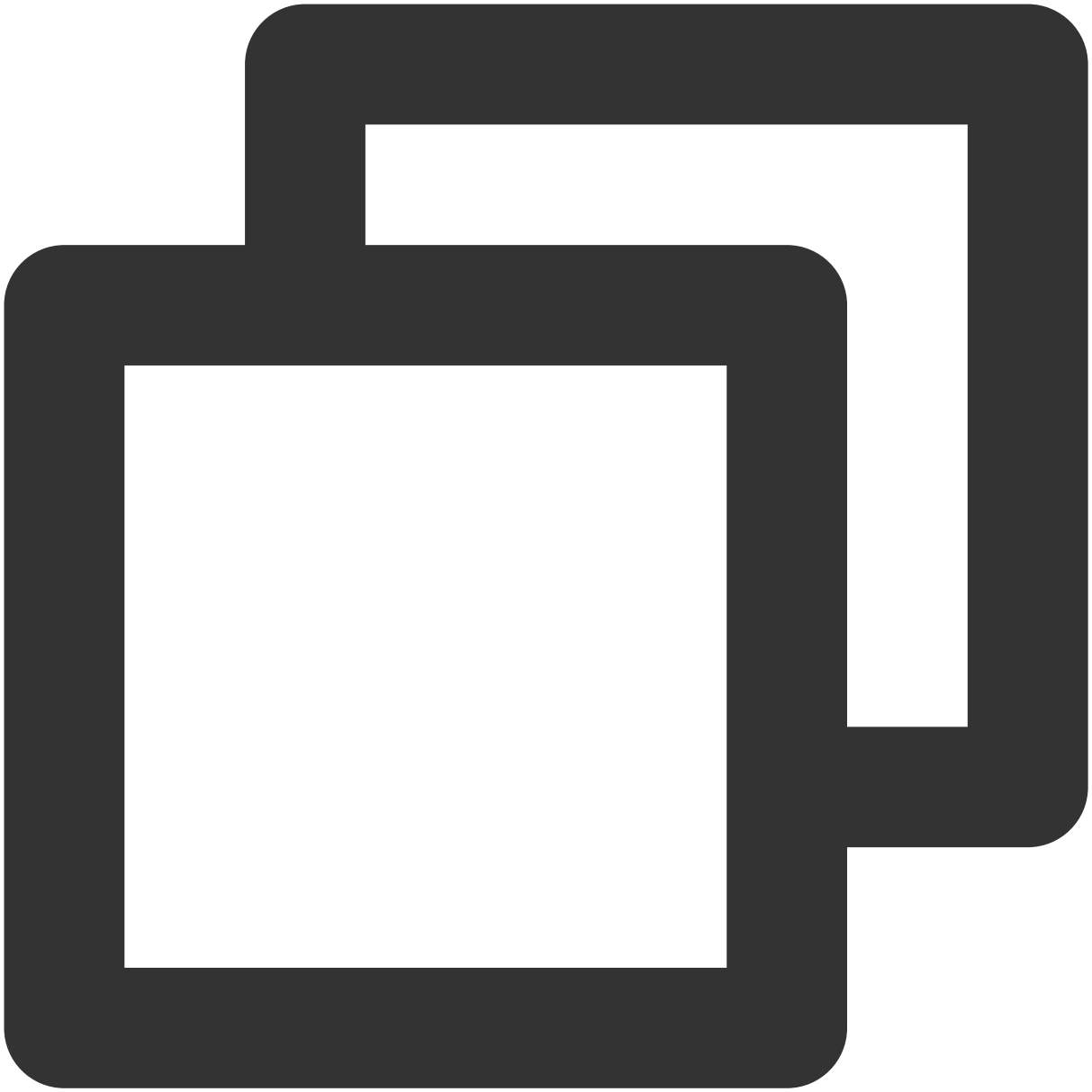

```
{
    "Official_Account": "@TOA#_test_id"
}
```

Request Fields

Field	Type	Required	Description
Official_Account	String	Yes	The ID of the official account to be terminated. Use the OfficialAccountUserID field returned by the API during creation.

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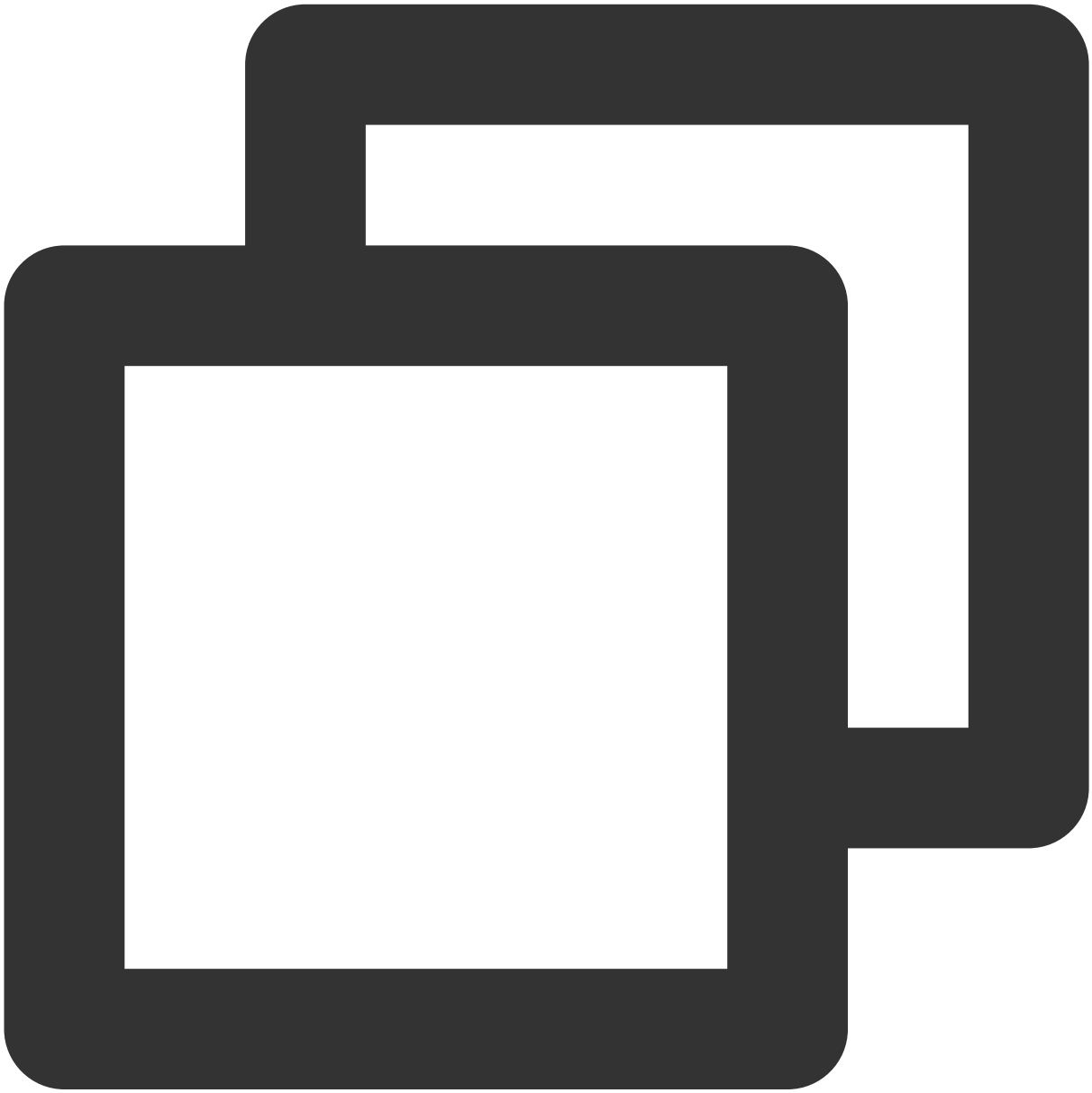
Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

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Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use. Please modify and retry.
131000	This AppId has not been enabled with official account service. Please enable it and retry.

References

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Creating Official Accounts (v4/official_account_open_http_svc/create_official_account)

Possibly Triggered Callbacks

After an Official Account Is Terminated

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Modifying Official Account Information

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to modify relevant information of an official account, such as the name, avatar, and introduction.

API Calling Description

Sample Request URL

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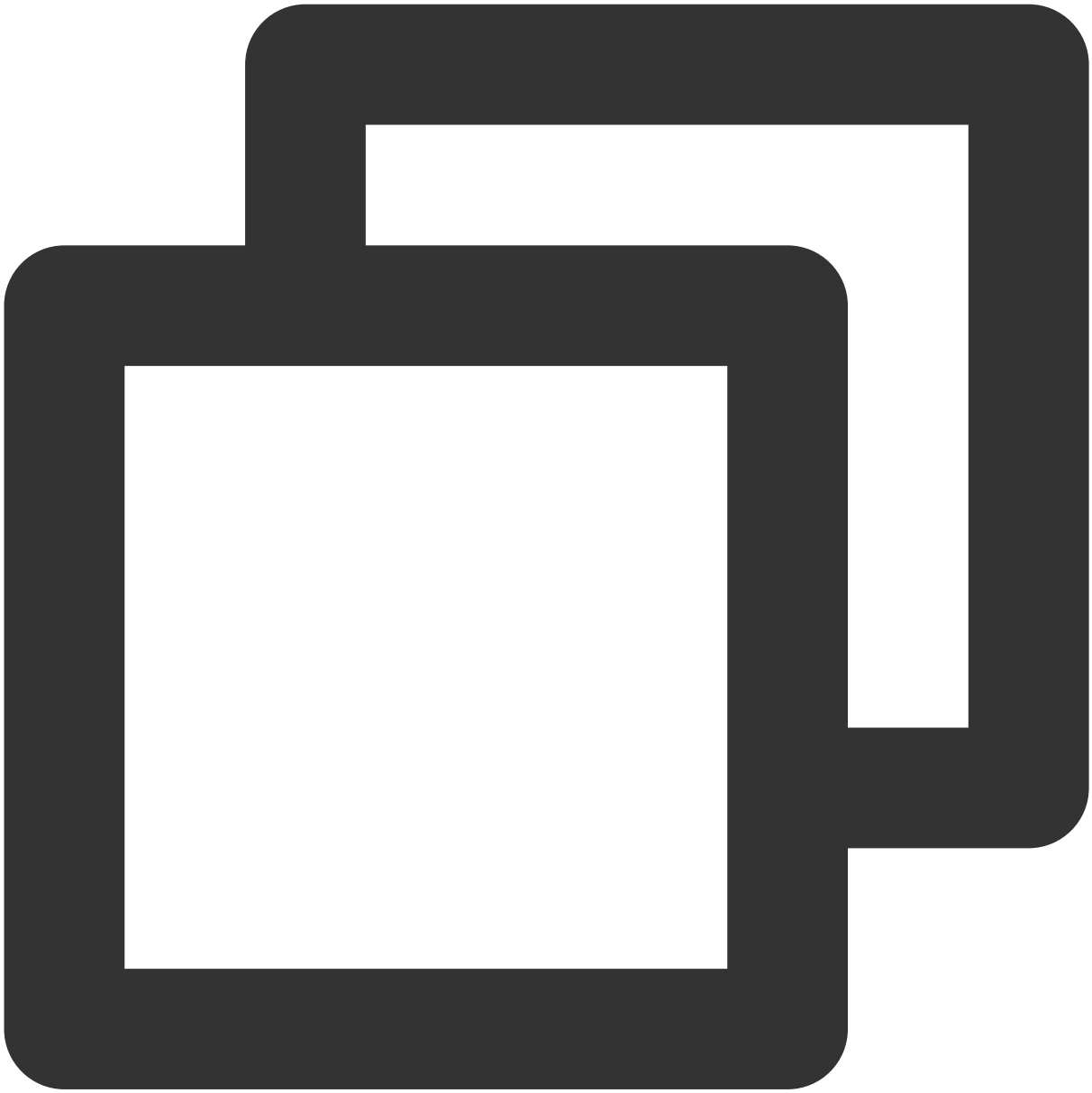

```
https://xxxxxx/v4/official_account_open_http_svc/modify_official_account_base_info?
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of

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	the SDKAppID: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/modify_official_account_base_info	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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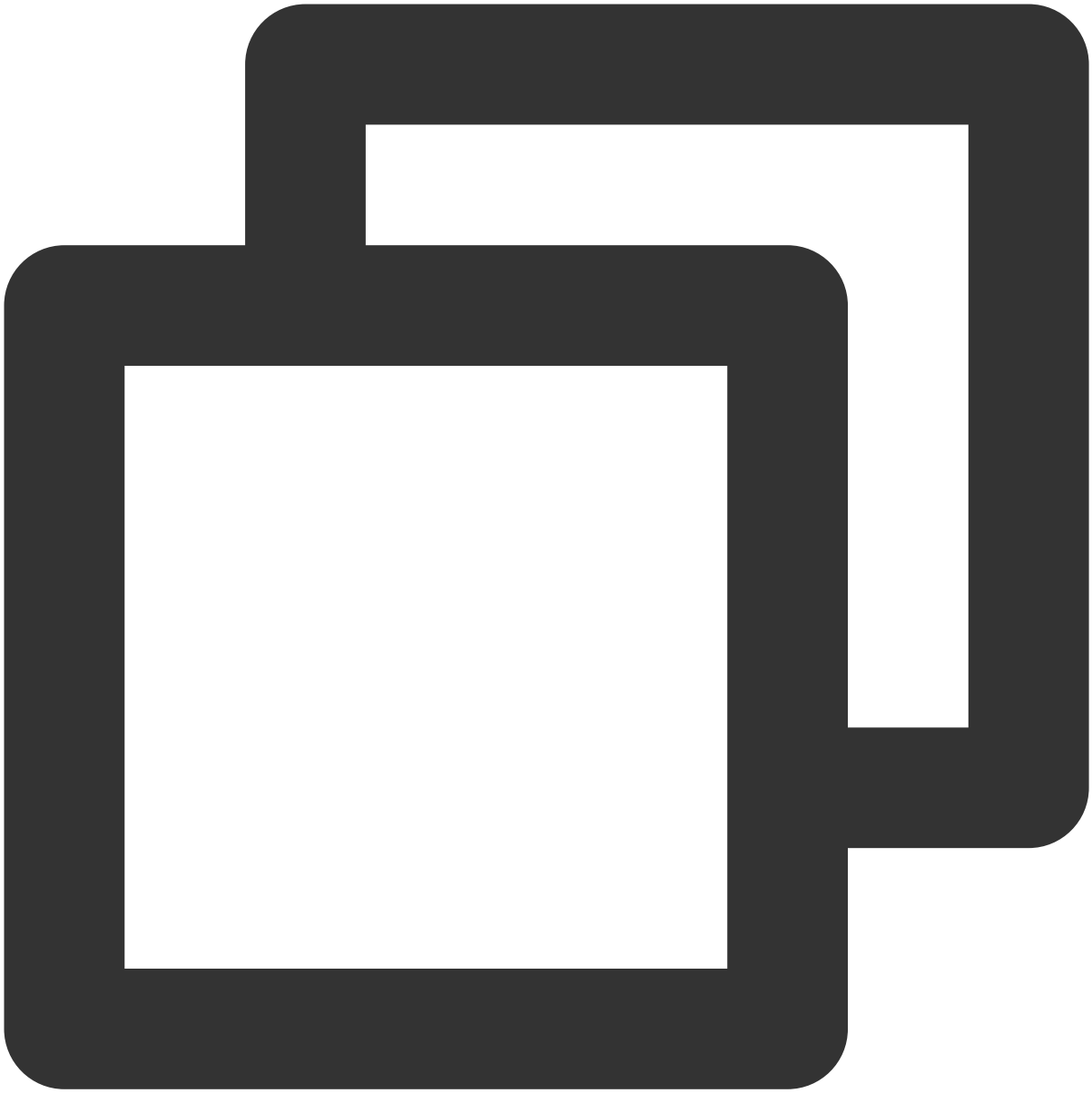

```
{
    "Official_Account": "@TOA#_@TOA#dOEF",
    "CustomString": "modify_custom_string",
    "FaceUrl": "http://this.is.face.url",
    "Introduction": "This is modify test Introduction",
    "Name": "test_modify_official_account",
    "Organization": "modify_organization",
    "MaxSubscriberNum":1000
}
```

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Request Fields

Field	Type	Required	Description
Official_Account	String	Yes	ID of the official account to be modified. Use the OfficialAccountUserID field returned by the API during creation.
Name	String	No	Name of the official account, up to 150 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
Introduction	String	No	Introduction to the official account, up to 400 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
FaceUrl	String	No	Avatar of the official account, up to 500 bytes in length.
Organization	String	No	Group organization the official account belongs to, up to 500 bytes in length, using UTF-8 encoding, with 1 Chinese character occupying 3 bytes.
CustomString	String	No	The custom field of the official account, up to 3,000 bytes. It can be used by the application layer to meet the requirements of special scenarios.
MaxSubscriberNum	Integer	No	The maximum number of subscribers to an official account, with a default value of 100,000 when not specified.

Sample Response Packets

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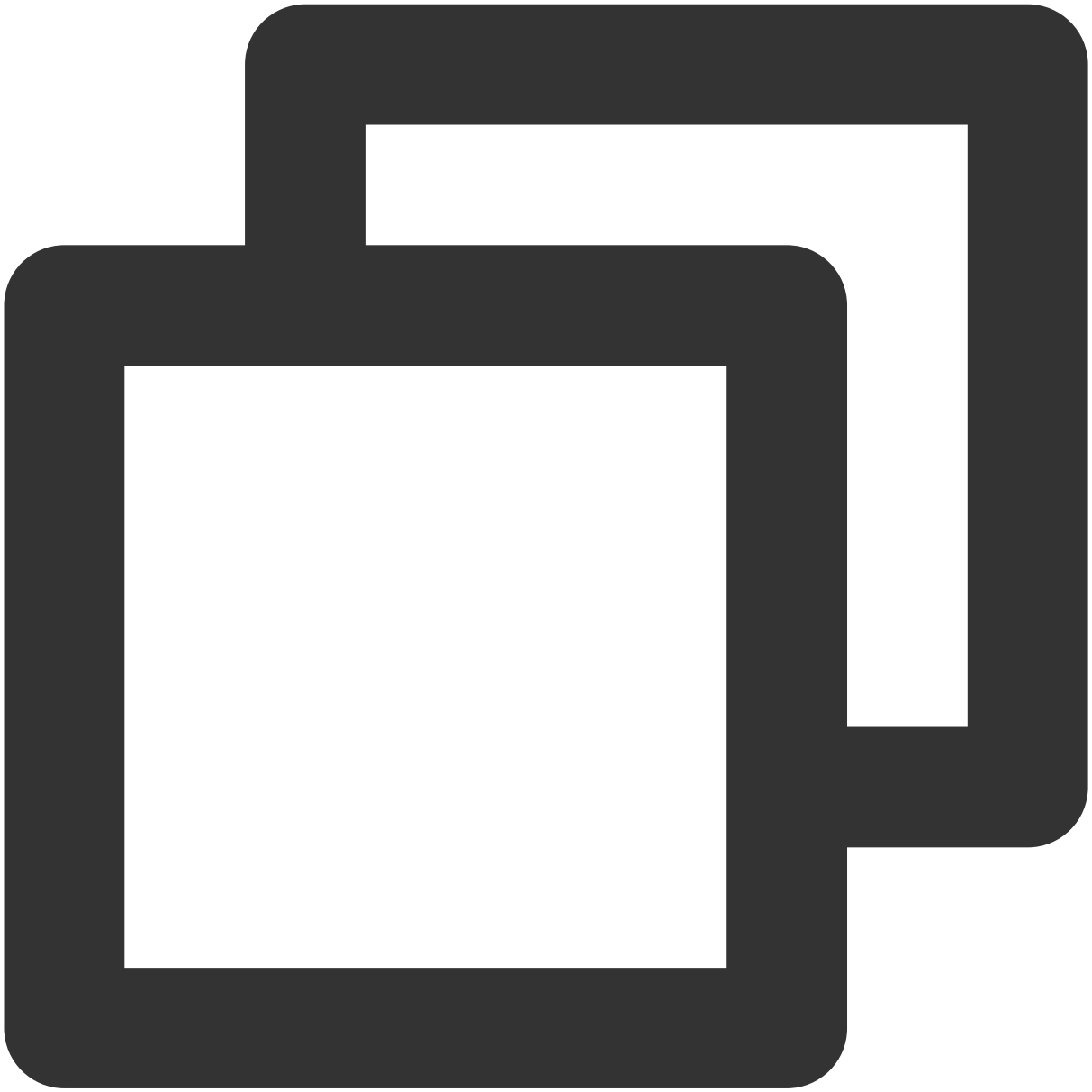

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response Fields

Field	Type	Description

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ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use. Please modify and retry.
131000	This AppId has not been enabled with official account service. Please enable it and retry.

References

Creating Official Accounts (v4/official_account_open_http_svc/create_official_account)

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Possibly Triggered Callbacks

After Official Account Information Is Modified (<1>)

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Obtaining Official Account Information

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to obtain relevant information of an official account.

API Calling Description

Sample Request URL

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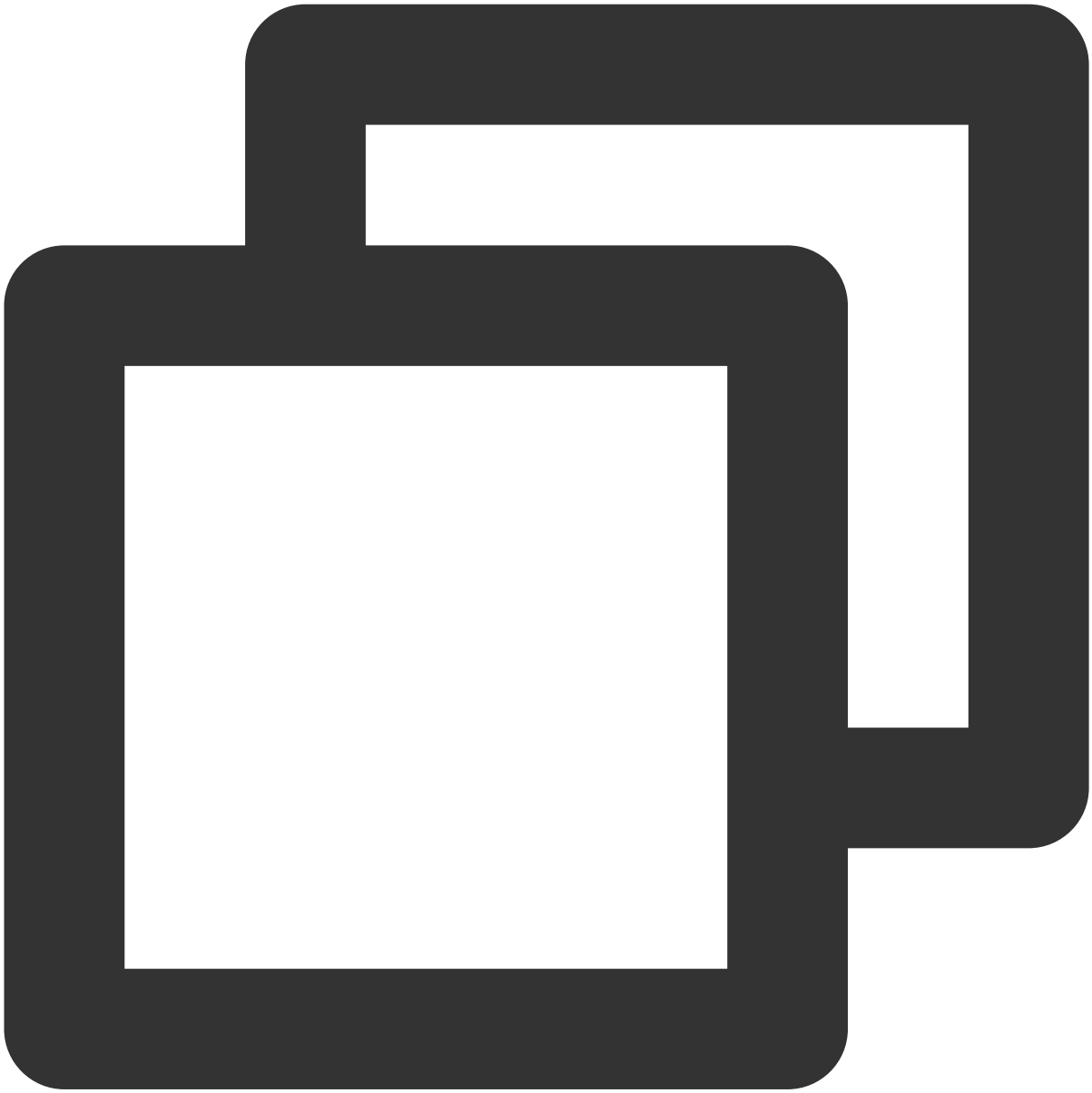

```
https://xxxxxx/v4/official_account_open_http_svc/get_official_account_info?sdkappid
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/get_official_account_info	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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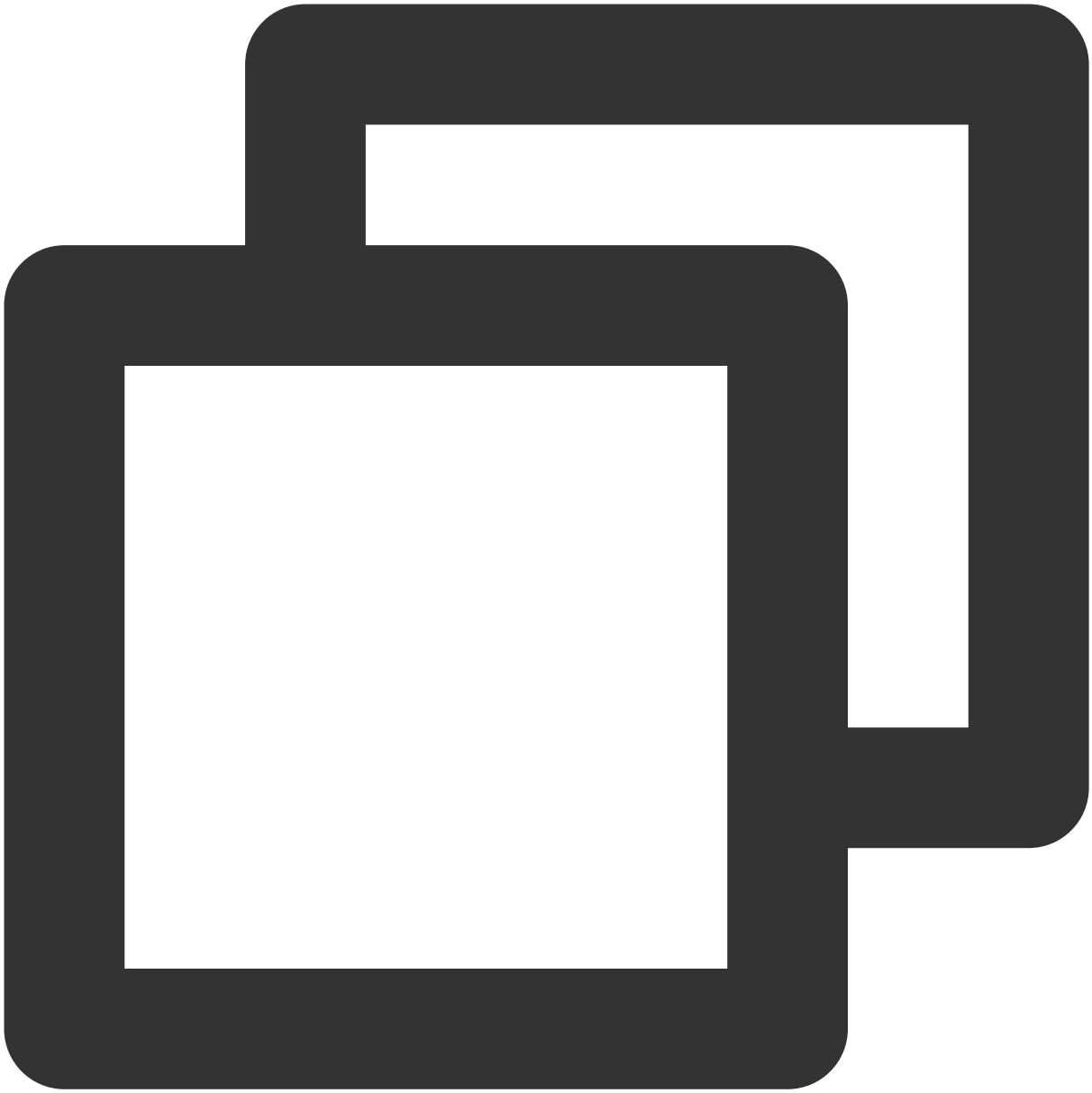

```
{
    "OfficialAccountIdList": [    // List of official accounts requested, with a ma
        {
            "Official_Account": "@TOA#_test_for_penn"
        },
        {
            "Official_Account": "@TOA#_@TOA#dZDP"
        }
    ],
    "ResponseFilter": {        // Filter fields
        "OfficialAccountBaseInfoFilter": [        // Filter fields for official acc
```

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```
            "CreateTime",
            "Name",
            "Owner_Account",
            "LastMsgTime",
            "SubscriberNum",
            "Introduction",
            "FaceUrl",
            "Organization",
            "CustomString"
        ]
    }
}
```

Request Fields

Field	Type	Required	Description
OfficialAccountIdList	Array	Yes	List of official account IDs requested.
Official_Account	String	Yes	Official account ID requested. Use the OfficialAccountUserID field returned by the API during creation.
ResponseFilter	Object	No	Filter fields for the returned official account information. If not specified, all fields are returned by default, including the OfficialAccountBaseInfoFilter filter. The valid values include: CreateTime: creation time of the official account Name: name of the official account Owner_Account: user who owns the official account LastMsgTime: time of the last message within the official account SubscriberNum: current number of subscribers to the official account Introduction: introduction to the official account FaceUrl: avatar URL of the official account Organization: organization of the official account CustomString: custom field at the official account level

Sample Response Packets

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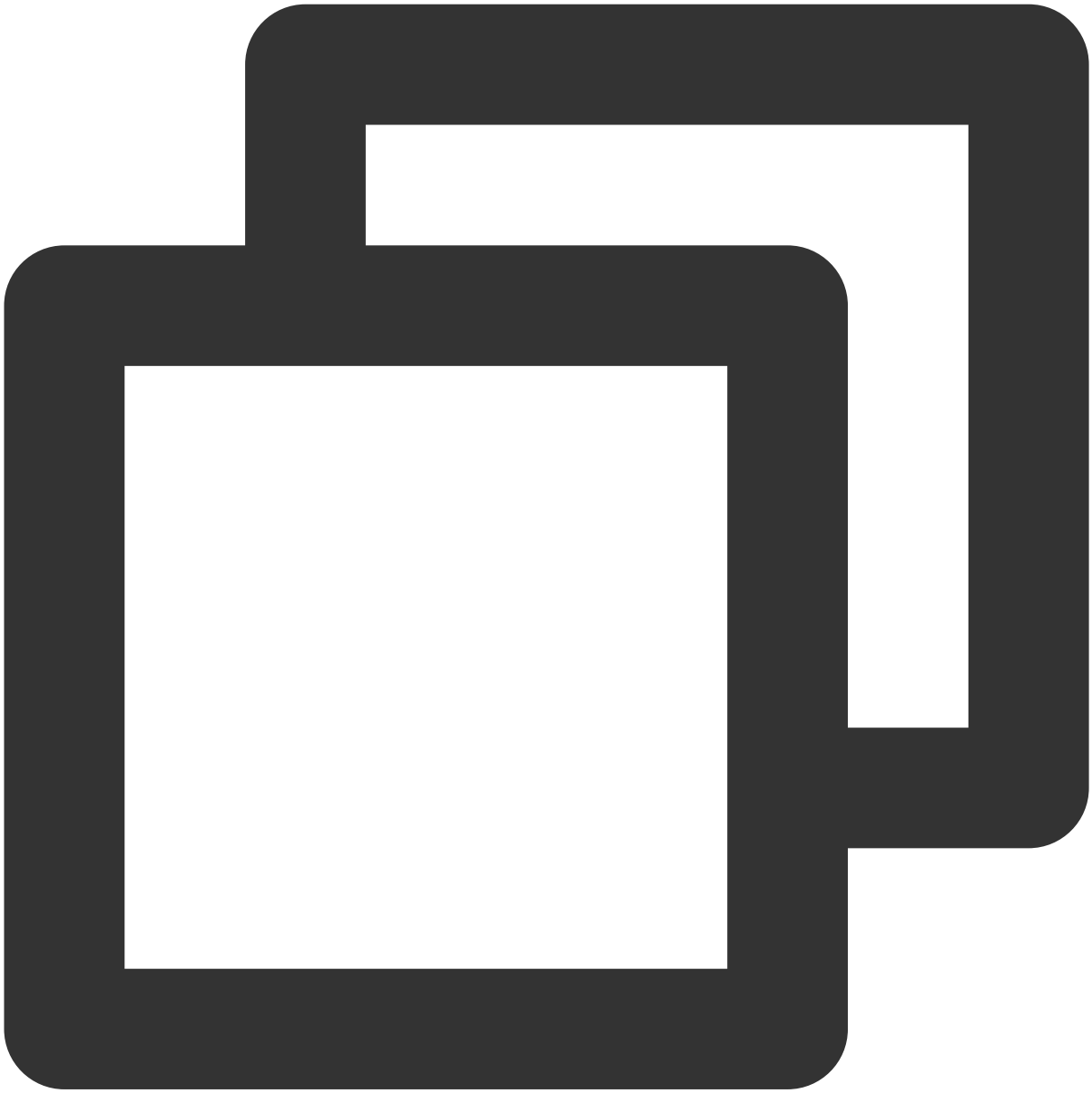

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,    // This ErrorCode indicates the result of the entire request
    "OfficialAccountInfoList": [    // List of official account information returne
        {
            "ErrorCode": 0,    // This ErrorCode indicates the result of obtaining
            "ErrorInfo": "",
            "Name": "test_modify_official_account3",
            "Official_Account": "@TOA#_test_for_penn",
            "CreateTime": 1696577604,
```

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```
            "Owner_Account": "107867",
            "LastMsgTime": 1699501664,
            "SubscriberNum": 780031,
            "Introduction": "test compare introduction",
            "FaceUrl": "http://this.is.face.url1",
            "Organization": "test compare organization",
            "CustomString": "modify_custom_string"
        },
        {
            "ErrorCode": 0,
            "ErrorInfo": "",
            "Name": "Test Environment Test Official Account",
            "Official_Account": "@TOA#_@TOA#dZDP",
            "CreateTime": 1694514910,
            "Owner_Account": "109635",
            "LastMsgTime": 1698894911,
            "SubscriberNum": 1004,
            "Introduction": "waynezou",
            "FaceUrl": "",
            "Organization": "Tencent",
            "CustomString": ""
        }
    ]
}
```


Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
OfficialAccountInfoList	Array	The returned official account list field. The results are filtered information based on the filter fields set in the filter.

Error Codes

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Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account does not exist, or once existed but has now been terminated.
130007	Incorrect official account ID. Please modify and retry.
131000	This AppId has not been enabled with official account service. Please enable it and retry.

References

Creating Official Accounts

Terminating Official Accounts

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Obtaining Subscriber Information of Official Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to obtain the information of all users subscribing to a specific official account.

API Calling Description

Sample Request URL

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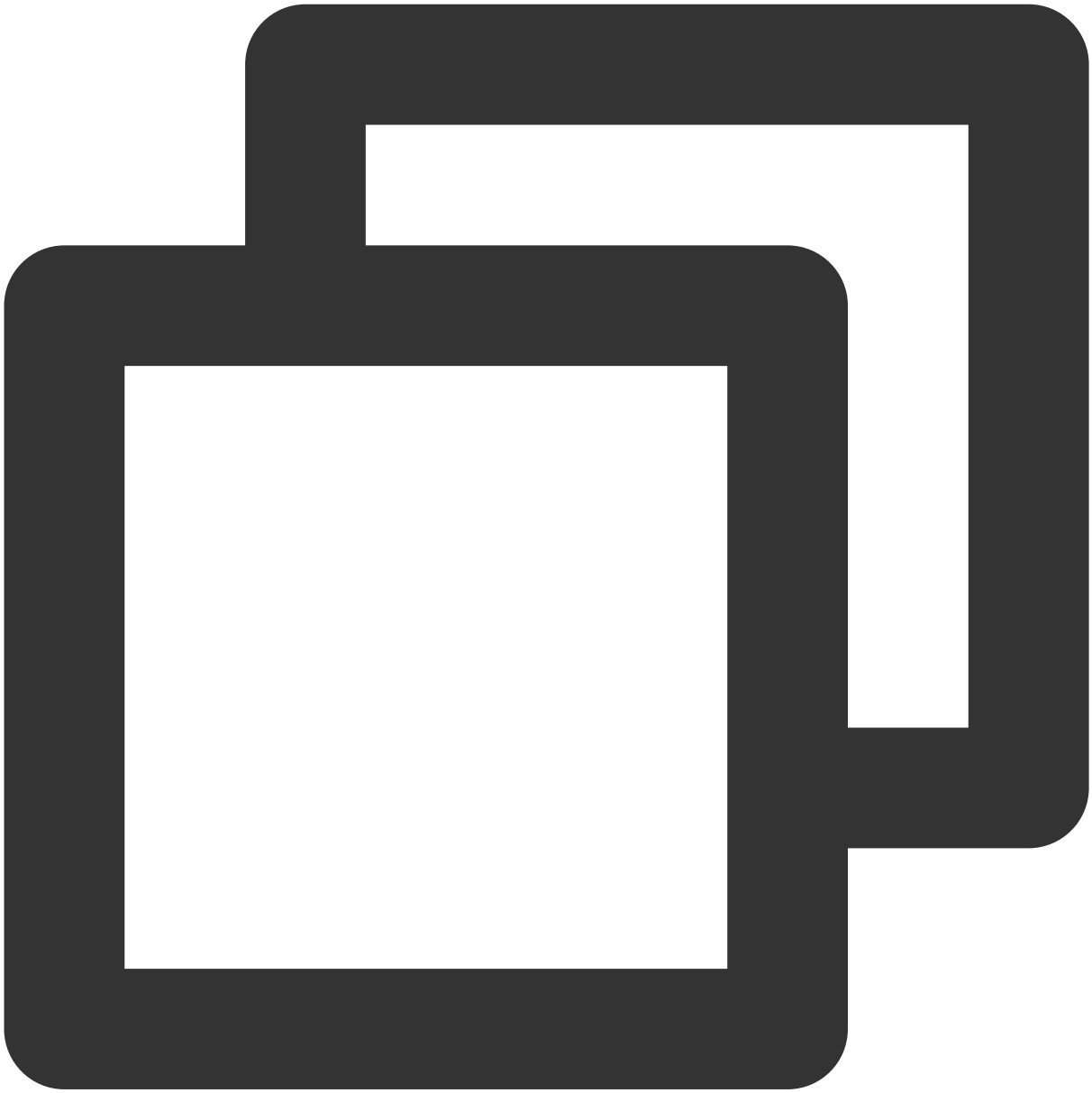

```
https://xxxxxx/v4/official_account_open_http_svc/get_subscriber_info?sdkappid=88888
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/get_subscriber_info	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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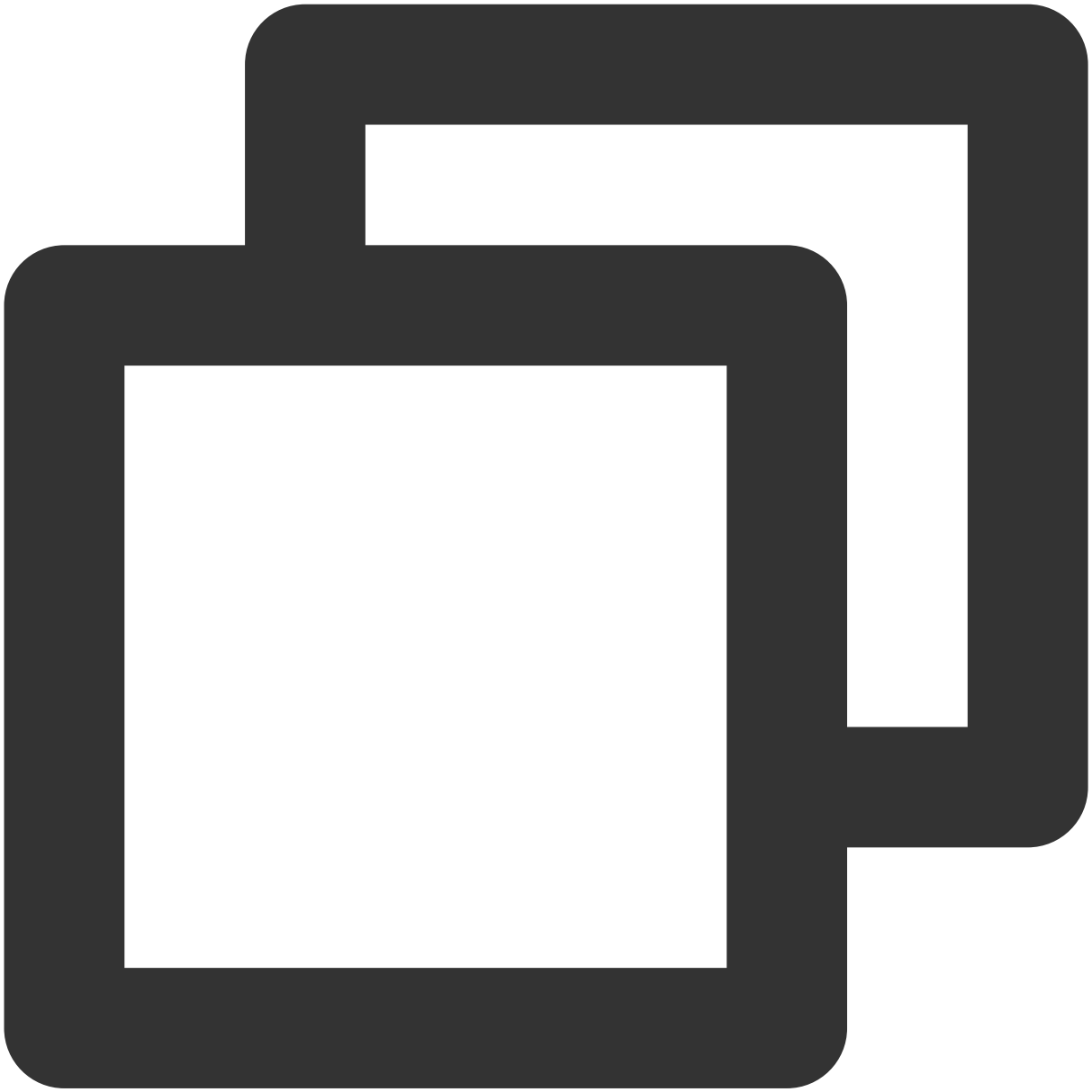

```
{    "Official_Account": "@TOA#_test_for_penn",
     "Limit": 50,
     "Next": ""
}
```

Request Fields

Field	Type	Required	Description
Official_Account	String	Yes	Official account ID requested. Use the OfficialAccountUserID field

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			returned by the API during creation.
Limit	Integer	No	The maximum number of members' information that can be obtained at one time, not to exceed 200. If not specified, the information of all members in the group will be obtained.
Next	String	Yes	The position of the subscriber last pulled. For the first call, fill in ""; for subsequent pulls, use the Next value returned in the response.

Sample Response Packets

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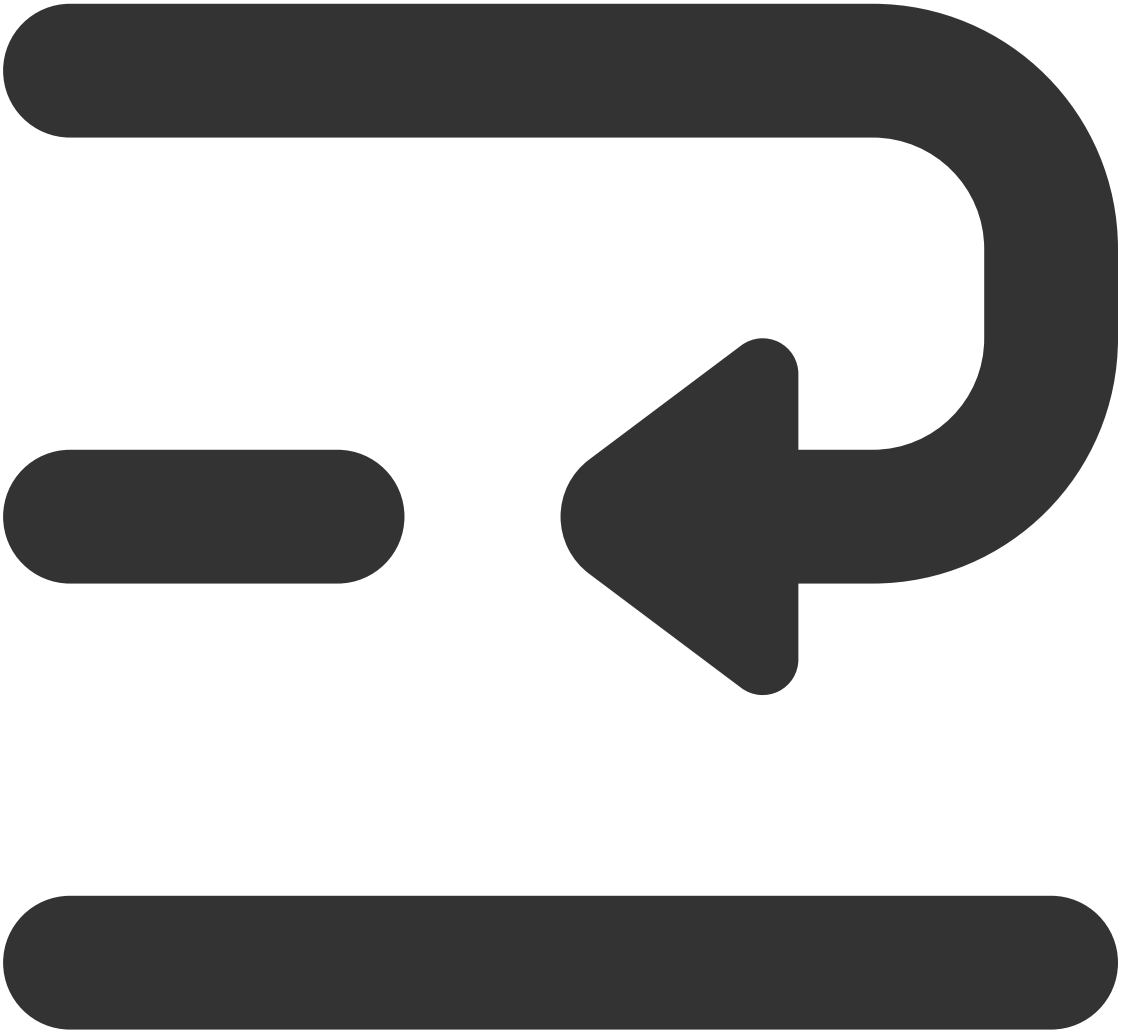

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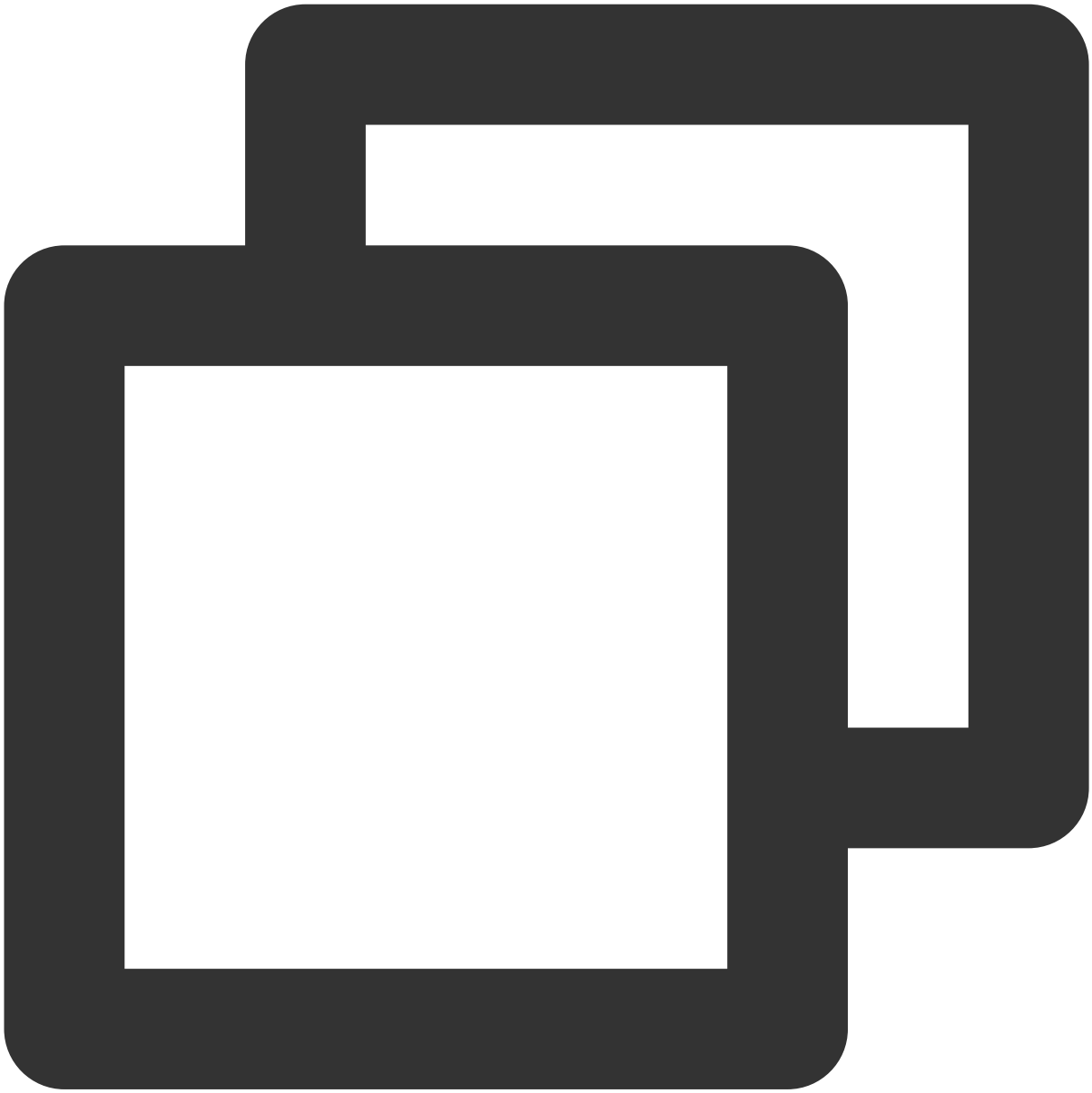

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "Next": "TGSOTk=",          // The marker for the subsequent pull. If not empty
    "SubscriberNum": 780031,    // Total number of subscribers to this official acc
    "SubscriberList": [
        {
            "Subscriber_Account": "millaccount13356",           // Subscriber accou
            "SubscribeTime": 1698821747,                // Time of subscription
            "CustomString": "",                                 // Custom field at
```

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```
            "MsgFlag": "AcceptAndNotify",                // The message receiving op
            "LastSendMsgTime": 0                                    // Time of the last
        },
        {
            "Subscriber_Account": "millaccount13100",
            "SubscribeTime": 1698821690,
            "CustomString": "",
            "MsgFlag": "AcceptAndNotify",
            "LastSendMsgTime": 0
        }
      // The rest of the subscriber information is omitted below.

    ]
}
```

Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
Next	String	The marker for the subsequent pull. The server response packet returns Next as "" for the last pull, indicating there is no subsequent subscriber information, and the client should end the query.
SubscriberNum	Integer	Returns the number of all subscribers under the official account.
SubscriberList	Array	Returned subscriber list, including the following information: Subscriber_Account: subscriber account SubscribeTime: time of subscription CustomString: custom field at the subscriber level MsgFlag: the message receiving option for subscribers, similar to the message receiving option for group members LastSendMsgTime: time of the last message sent

Error Codes

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Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use. Please modify and retry.
131000	This AppId has not been enabled with official account service. Please enable it and retry.
130010	The number of created official accounts exceeds the limit. Please dissolve some official accounts or upgrade the service.

References

Creating Official Accounts

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Subscriber Relevant Adding Subscribers

Last updated：2024-07-16 11:29:54

Feature Overview

The API is used by the app administrator to make a user subscribe to an official account and become a subscriber of the official account.

API Calling Description

Sample Request URL

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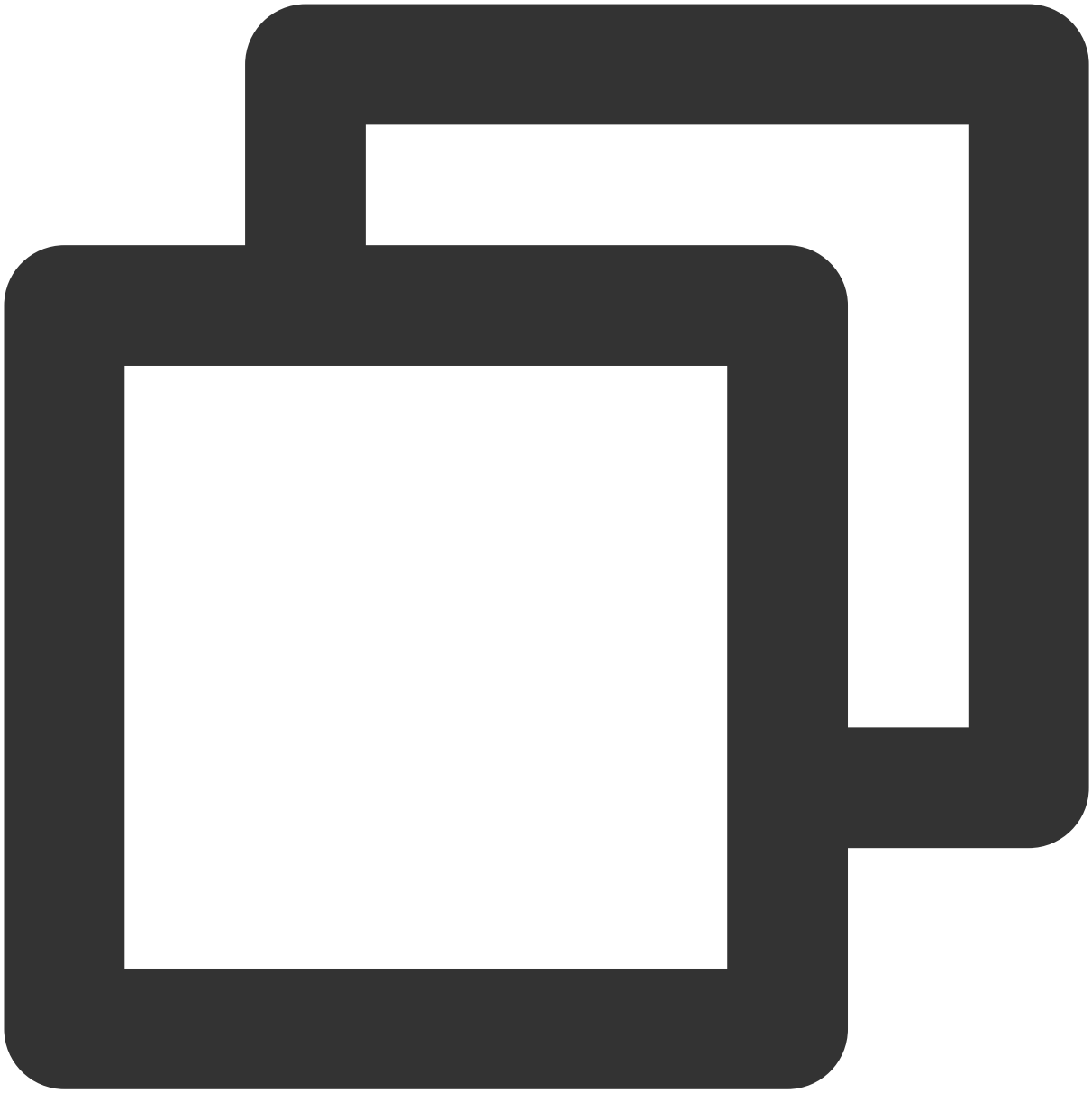

```
https://xxxxxx/v4/official_account_open_http_svc/add_subscriber?sdkappid=88888888&i
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/add_subscriber	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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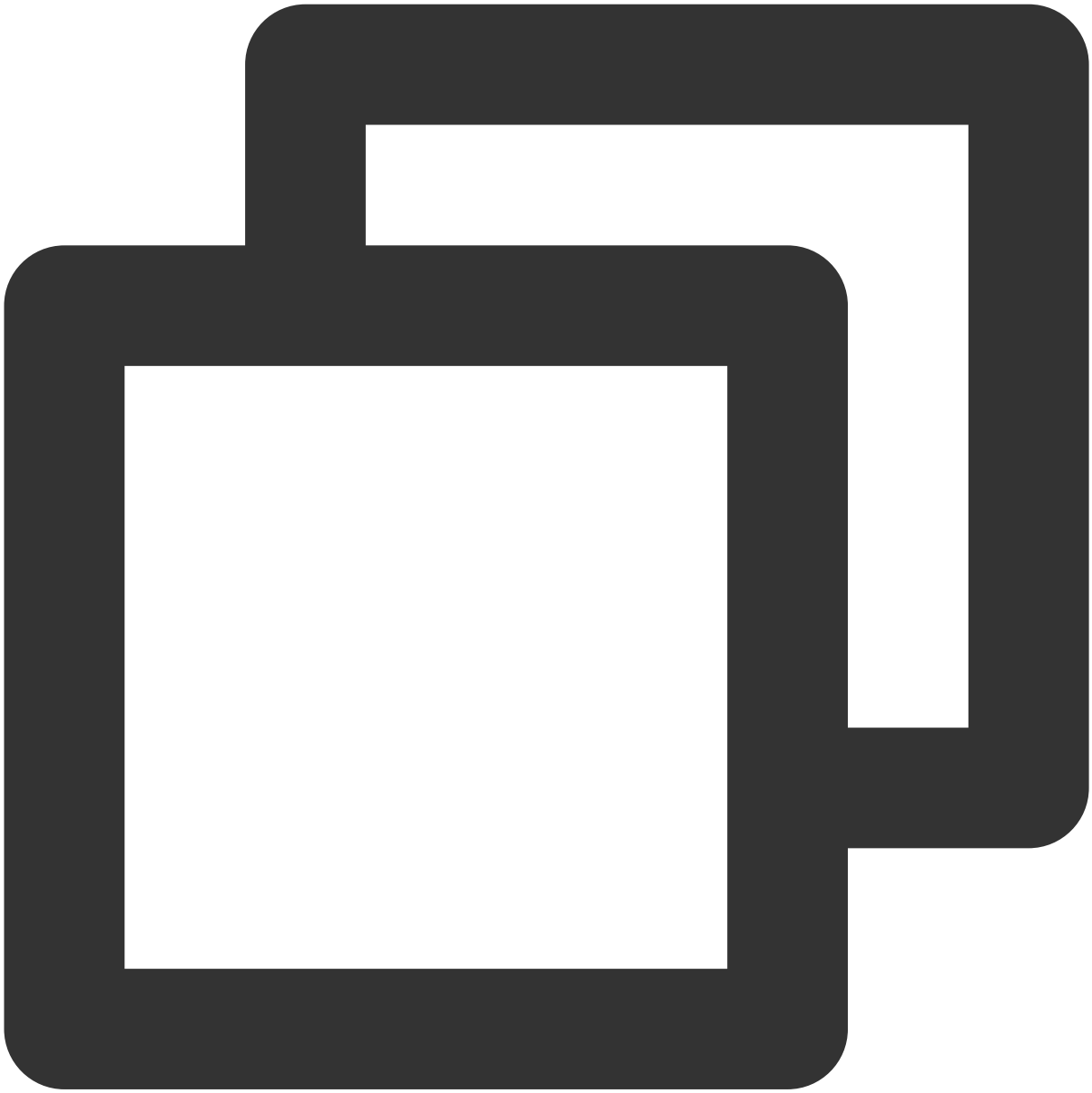

```
{
    "Official_Account": "@TOA#_@TOA#dOEF",              // The desired official acc
    "SubscriberList": [         // Up to 100 subscribers can be added at a time.
        {
            "Subscriber_Account": "107867"      // UserID of the subscriber to be a
        },
        {
            "Subscriber_Account": "966582476"
        }
    ]
}
```

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Request Fields

Field	Type	Required	Description
Official_Account	String	Yes	ID of the official account to be subscribed to. Use the OfficialAccountUserID field returned by the API during creation.
SubscriberList	Array	Yes	Array of subscribers to be added.
Subscriber_Account	String	Yes	UserID of the subscriber to be added.

Sample Response Packets

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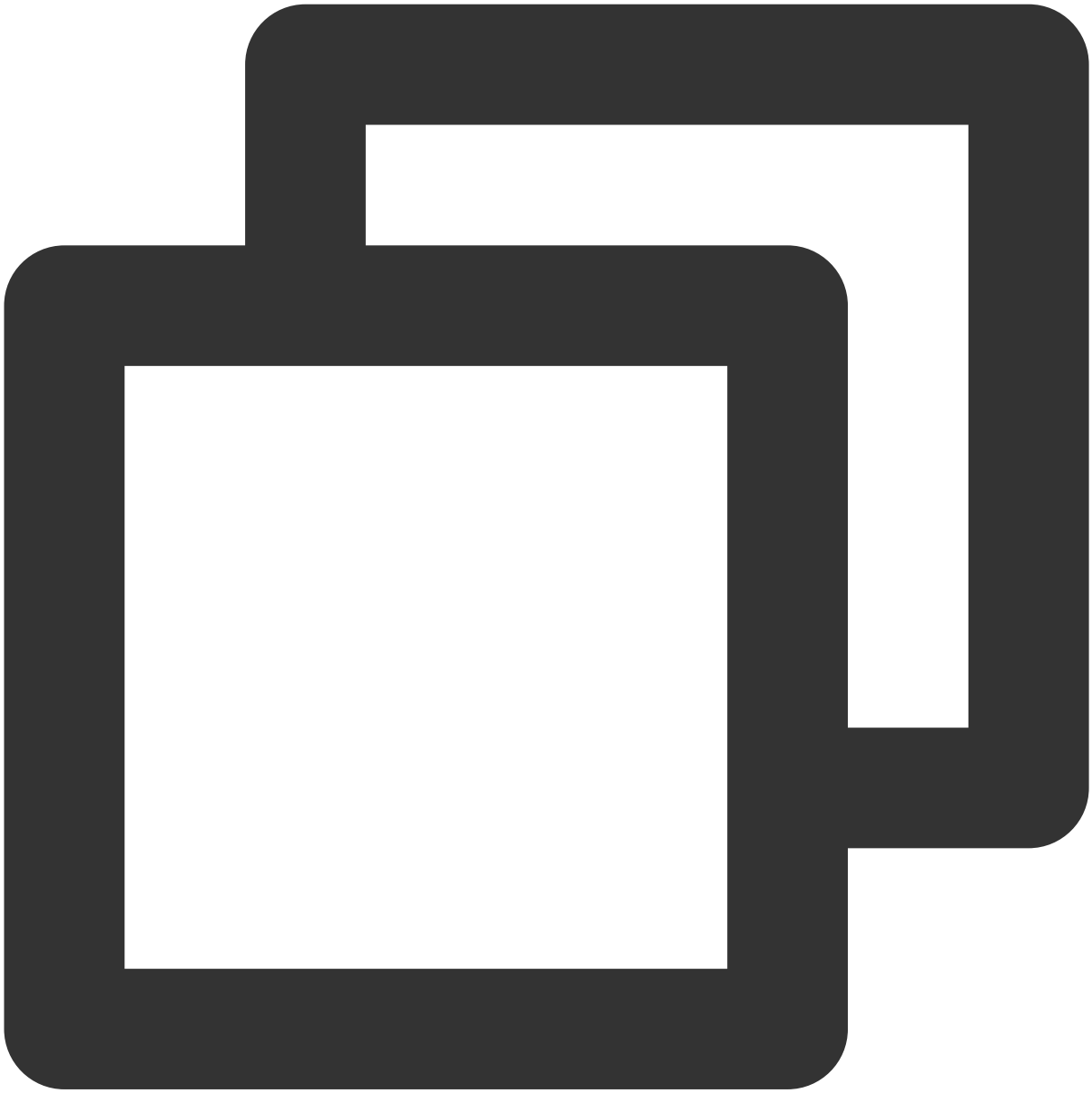


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "SubscriberList": [
        {
            "Subscriber_Account": "107867",
            "Result": 2
        },
        {
            "Subscriber_Account": "966582476",
```


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```
            "Result": 1         // Addition result. 0: failed; 1: succeeded; 2: alr
        }
    ]
}
```

Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
SubscriberList	Array	Returned results of added subscribers.
Subscriber_Account	String	Returned subscriber UserID.
Result	Integer	Addition result: 0: failed. 1: succeeded. 2: already followed this official account.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.

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130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130006	The number of subscribers for this official account has reached its limit. Please refer to Pricing to purchase or upgrade related packages and expand the maximum number of subscribers for the official account. (After upgrading, you need to call the Modifying Official Account Information API to update the maximum number of subscribers supported.)
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use.
131000	This AppId has not been enabled with official account service.
130010	The number of official accounts a subscriber can join has exceeded the limit. Please check and unsubscribe from some official accounts.

References

Creating Official Accounts

Deleting Subscribers

Possibly Triggered Callbacks

Before an Official Account Is Subscribed To

After an Official Account Is Subscribed To

When the Official Account's Subscription Limit is Reached

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Deleting Subscribers

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to make a user unsubscribe from an official account and be removed from the list of subscribers.

API Calling Description

Sample Request URL

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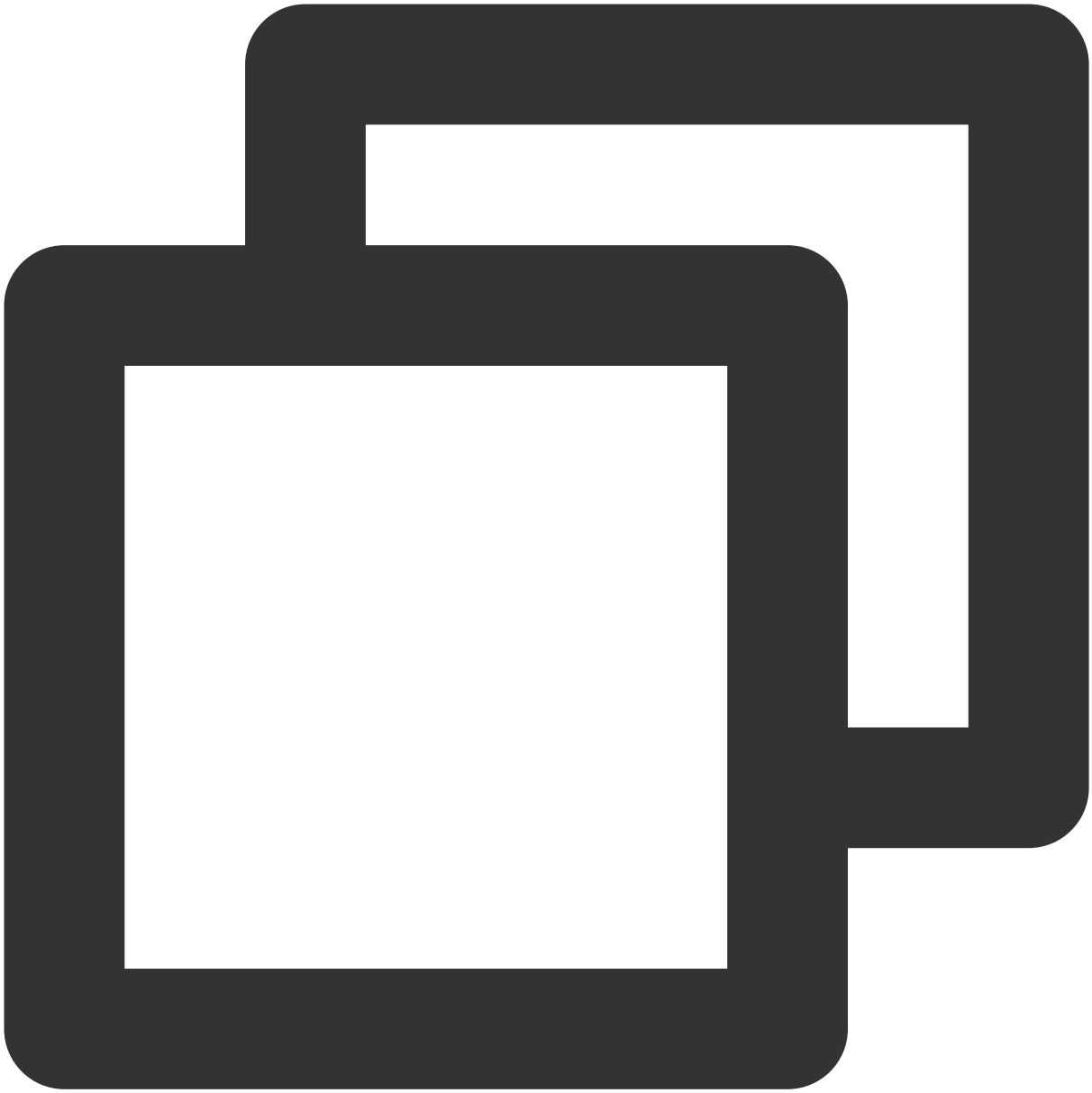

```
https://xxxxxx/v4/official_account_open_http_svc/delete_subscriber?sdkappid=8888888
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/delete_subscriber	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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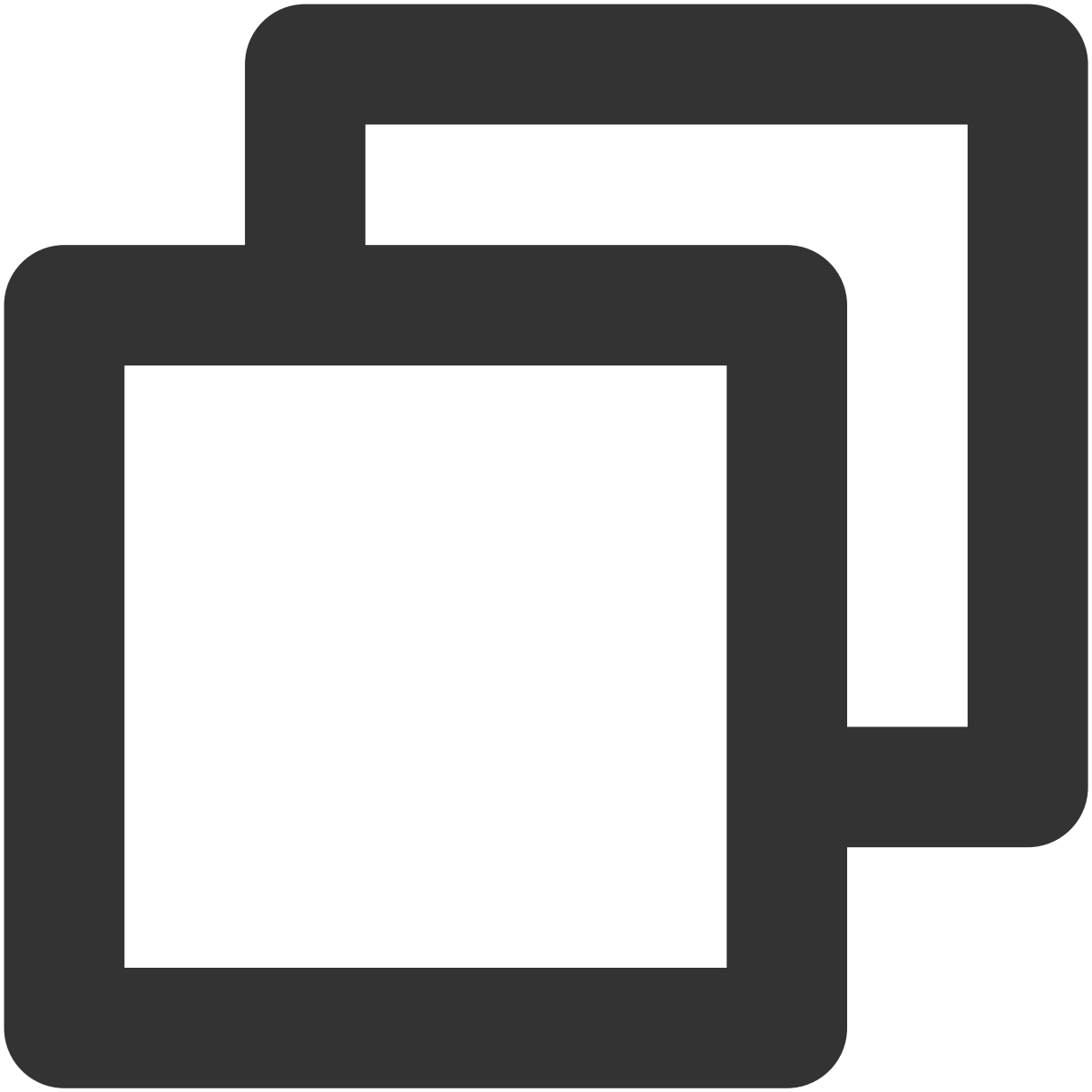

```
{
    "Official_Account": "@TOA#_@TOA#dOEF",  // The desired official account (requir
    "SubscriberToDel_Account": [        ////UserID of the subscriber to be deleted
        "107867",
        "966582476"
    ]
}
```

Request Fields

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Field	Type	Required	Description
Official_Account	String	Yes	ID of the official account to be subscribed to. Use the OfficialAccountUserID field returned by the API during creation.
SubscriberList	Array	Yes	Array of subscribers to be added.
Subscriber_Account	String	Yes	UserID of the subscriber to be added.

Sample Response Packets

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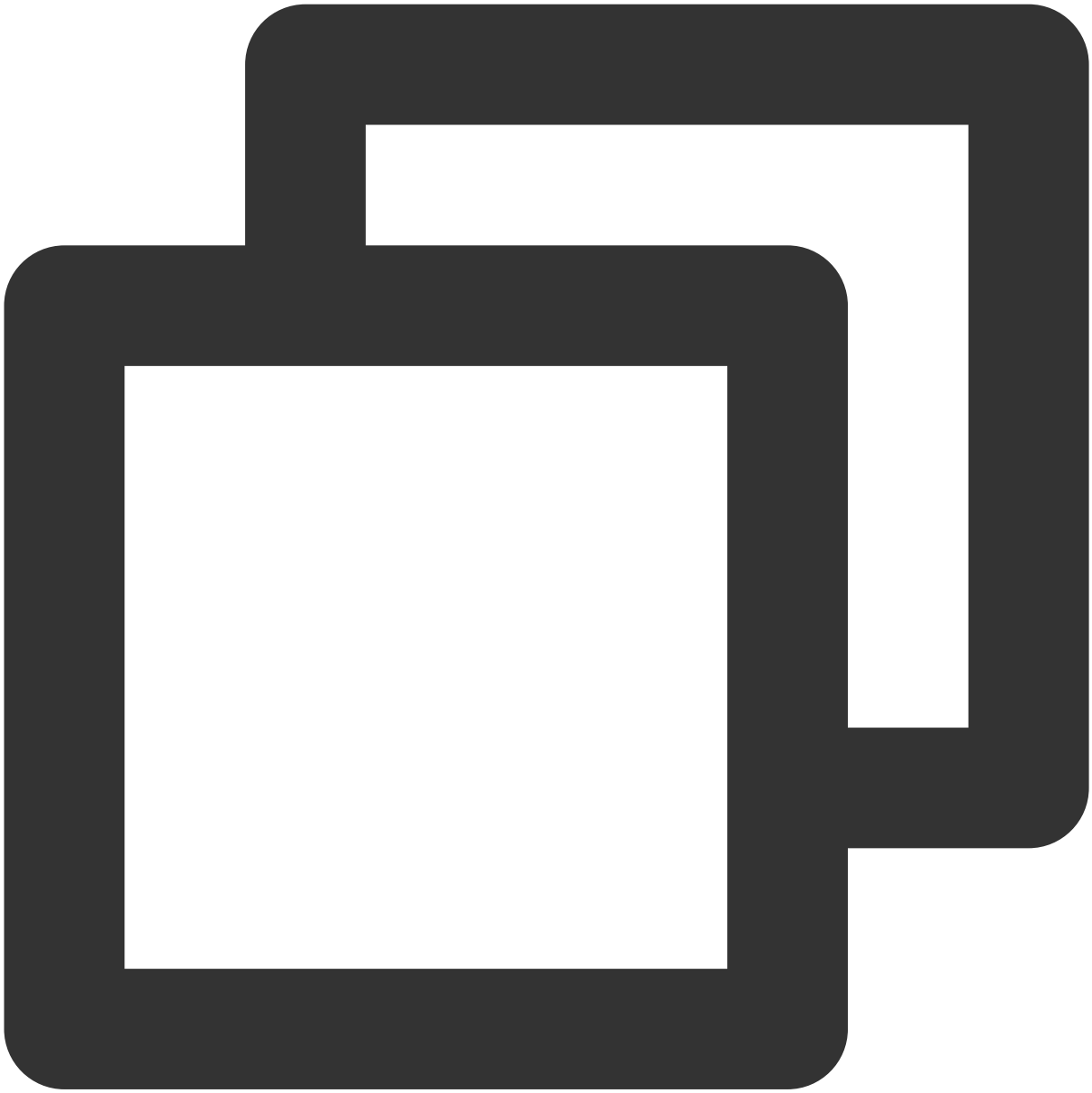


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "SubscriberList": [
        {
            "Subscriber_Account": "107867",
            "Result": 1
        },
        {
            "Subscriber_Account": "966582476",
```


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```
            "Result": 1
        }
    ]
}
```

Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
SubscriberList	Array	Returned results of deleted subscribers.
Subscriber_Account	String	Returned subscriber UserID.
Result	Integer	Deletion result: 0: failed. 1: succeeded. 2: not subscribed to this official account.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.

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130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use.
131000	This AppId has not been enabled with official account service.

References

Creating Official Accounts
Adding Subscribers

Possibly Triggered Callbacks

After a Subscriber Is Deleted

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Modifying Subscriber Information

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to modify relevant information of subscribers.

API Calling Description

Sample Request URL

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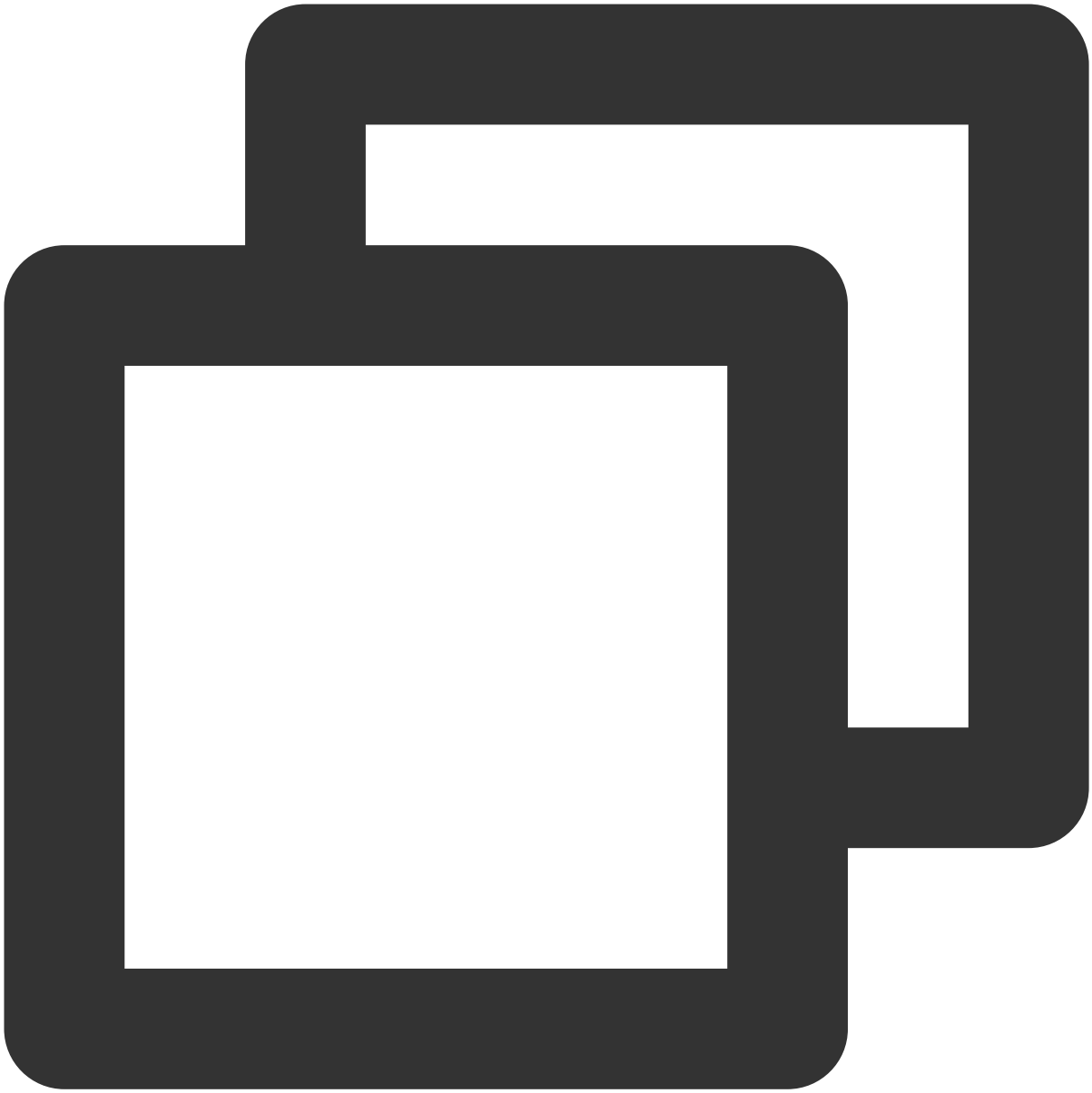

```
https://xxxxxx/v4/official_account_open_http_svc/modify_subscriber_info?sdkappid=88
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region of the SDKAppID:

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	China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/modify_subscriber_info	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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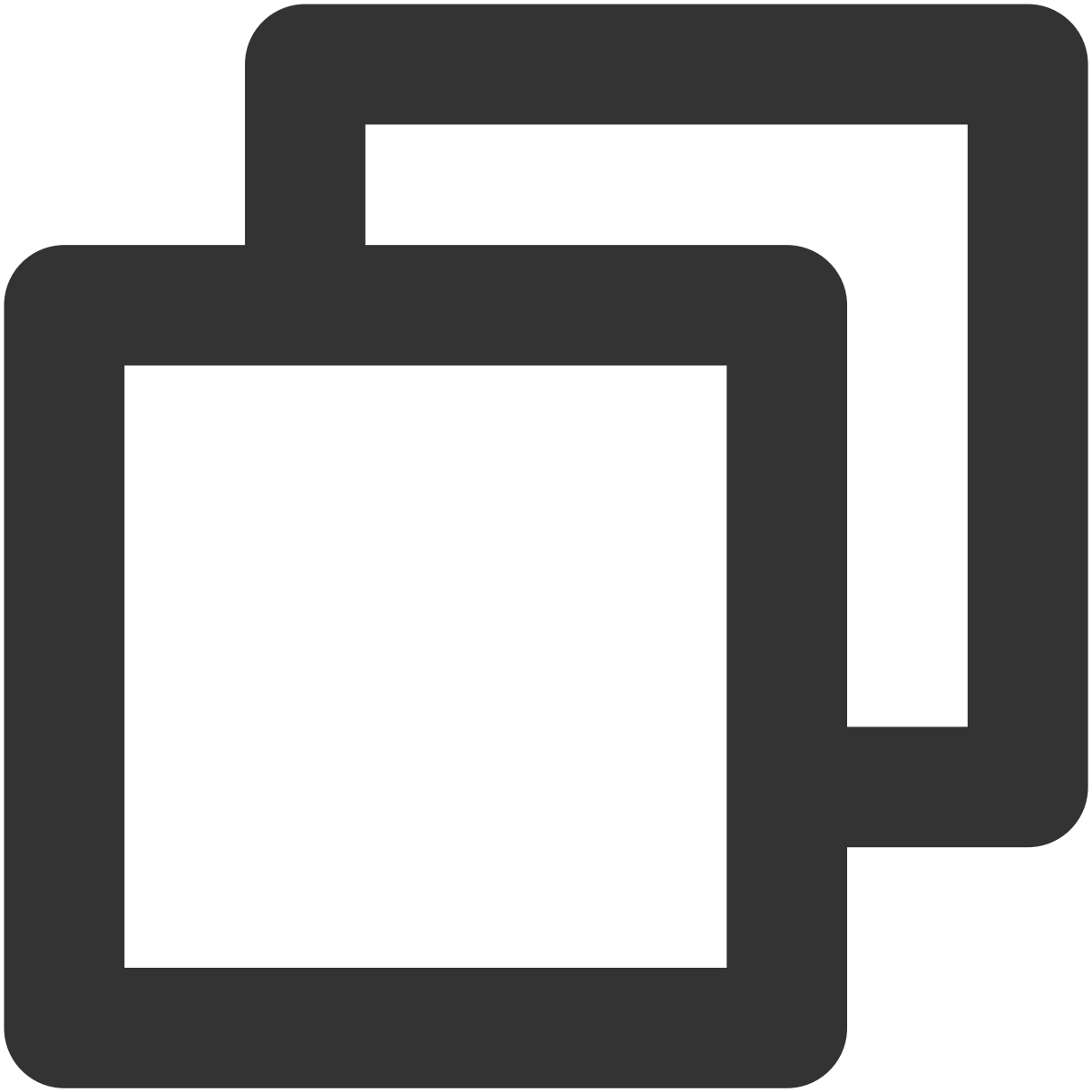

```
{
    "Official_Account": "@TOA#_test_for_penn",
    "Subscriber_Account": "107867",
    "CustomString": "test_modify_subscriber_custom_string"
}
```

Request Fields

Field	Type	Required	Description

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Official_Account	String	Yes	ID of the official account to be modified. Use the OfficialAccountUserID field returned by the API during creation.
Subscriber_Account	String	Yes	ID of the subscriber whose information is to be modified.
CustomString	String	Yes	The custom field of the subscriber, which can be used by the application layer to implement some special feature requirements.

Sample Response Packets

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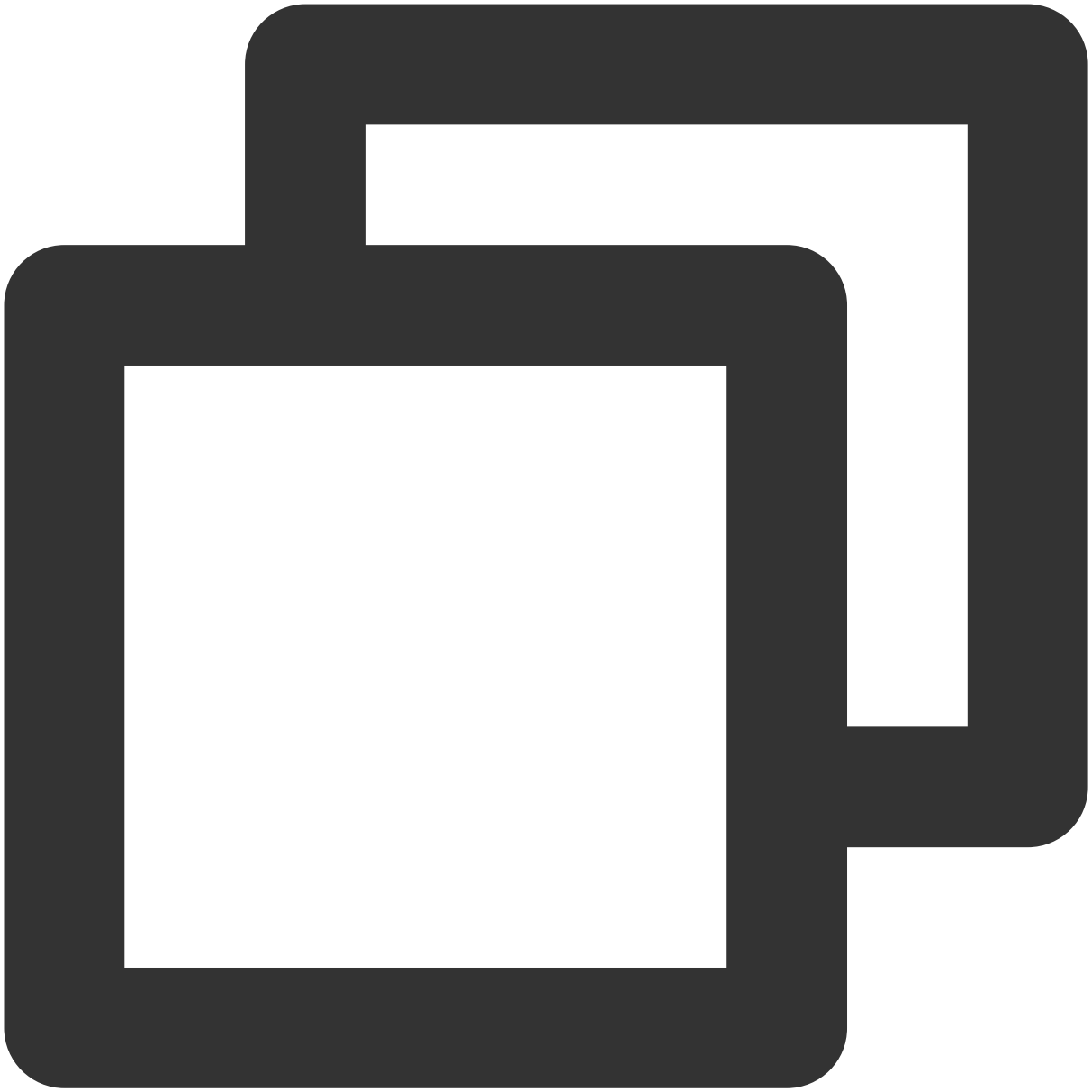

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response Fields

Field	Type	Description

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ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.

Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130007	Incorrect official account user ID. Please modify and retry.
130008	The official account user ID is already in use.
131000	This AppId has not been enabled with official account service.

References

Creating Official Accounts

Adding Subscribers

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Obtaining Subscribed Official Accounts

Last updated：2024-07-16 11:29:54

Feature Overview

This API is used by the app administrator to obtain the list information of all official accounts subscribed by a user.

API Calling Description

Sample Request URL

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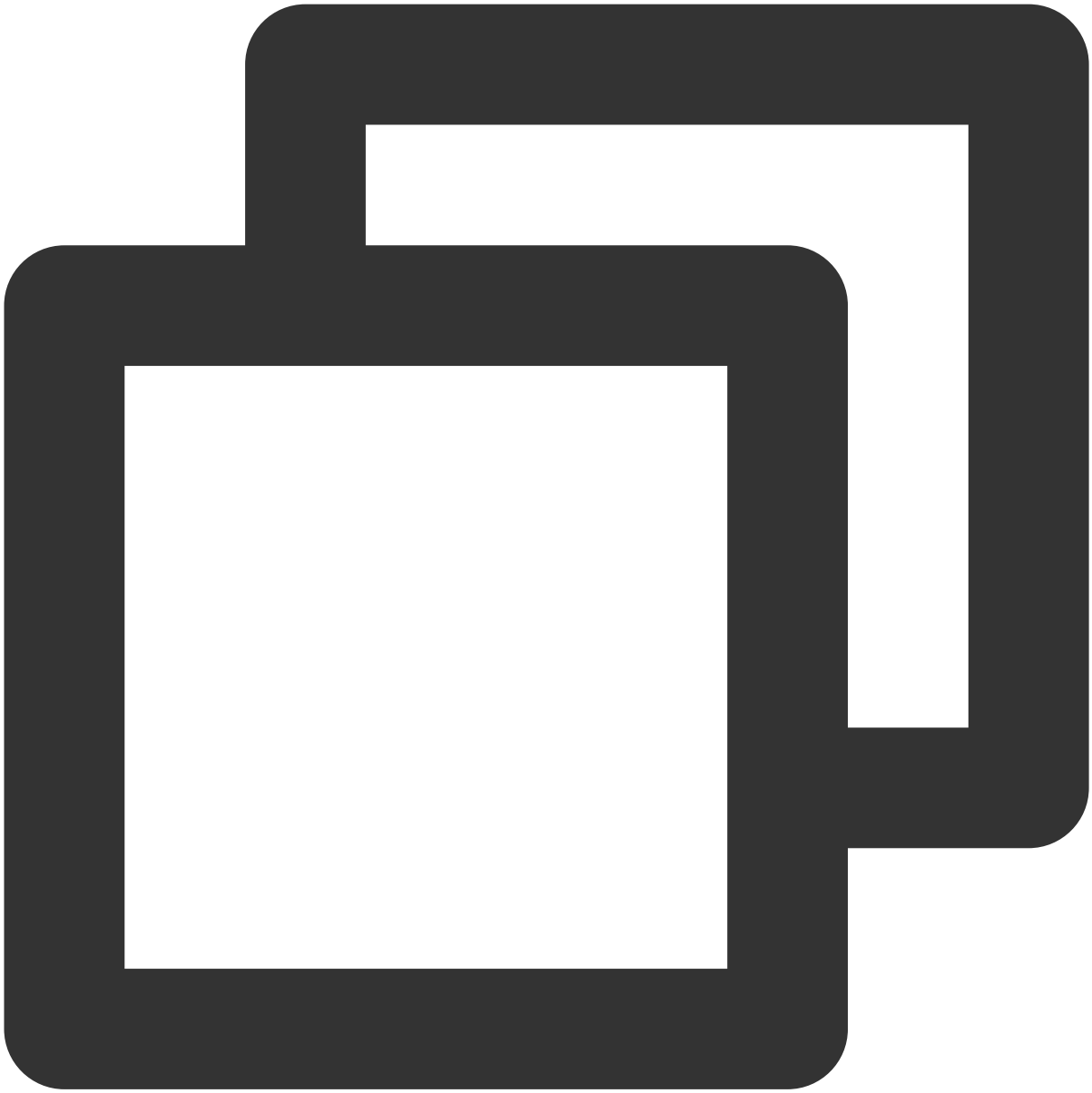

```
https://xxxxxx/v4/official_account_open_http_svc/get_subscribed_official_account_li
```

Request Parameters

The table below only lists the parameters modified when this API is called and their descriptions. For details on the parameters, refer to RESTful API Overview.

Parameter	Description
xxxxxx	The dedicated domain name corresponding to the country/region

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	of the SDKAppID: China: `console.tim.qq.com` Singapore: `adminapisgp.im.qcloud.com` Seoul: `adminapikr.im.qcloud.com` Frankfurt: `adminapiger.im.qcloud.com` Silicon Valley: `adminapiusa.im.qcloud.com` Jakarta: `adminapiidn.im.qcloud.com`
v4/official_account_open_http_svc/get_subscribed_official_account_list	Request API.
sdkappid	The SDKAppID assigned by the Chat console when an application is created.
identifier	The app admin account. For details, see App Admin.
usersig	The signature generated by the app admin account. For details, see Generating UserSig.
random	A random 32-bit unsigned integer ranging from 0 to 4294967295.
contenttype	The value is always `json` .

Maximum Call Frequency

200 times/second

Sample Request Packets

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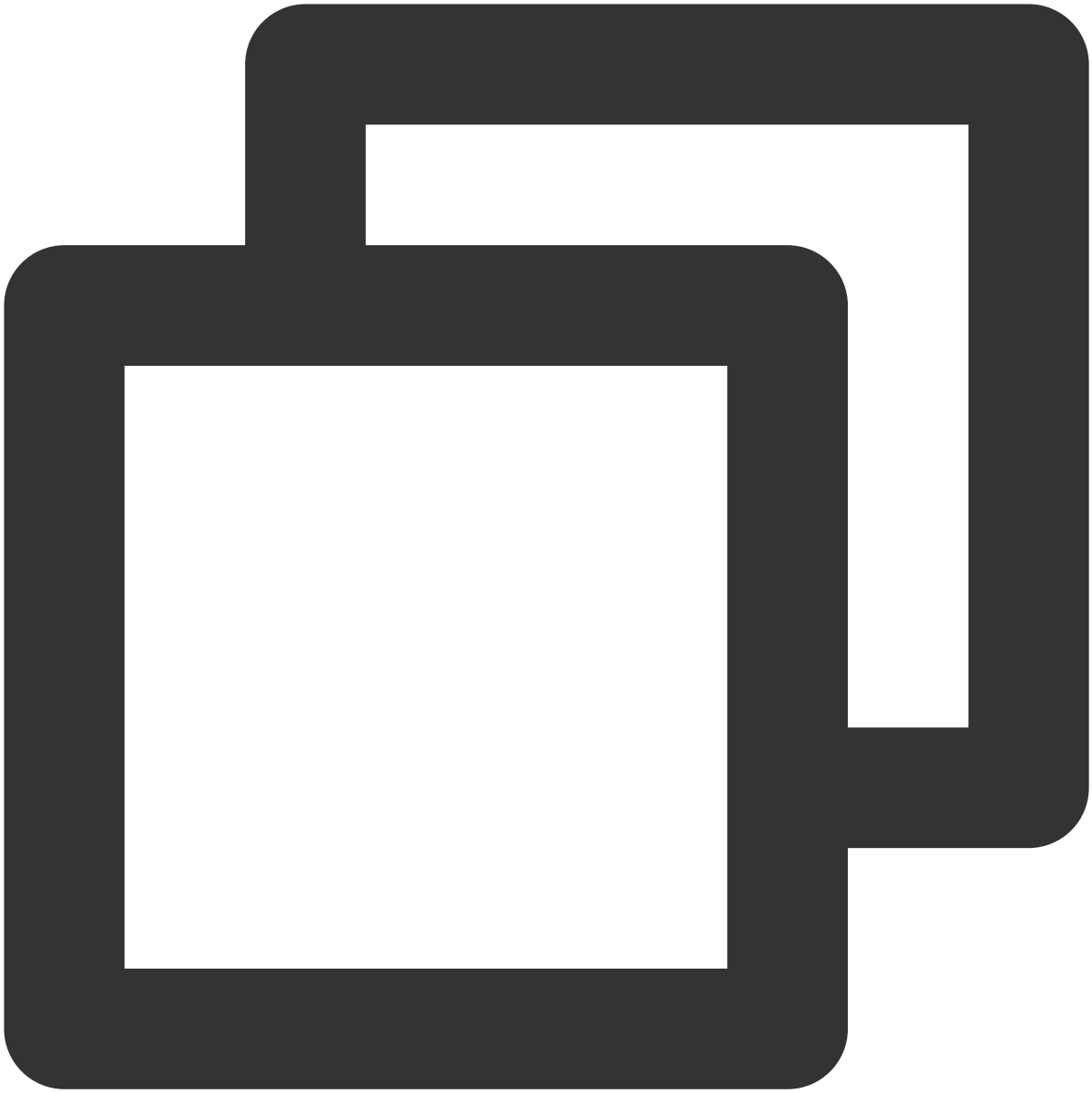

```
{
   "Subscriber_Account": "107867",              //Subscriber
   "Limit": 200,
   "Offset": 0,
   "ResponseFilter":{           //Filter fields
      "OfficialAccountBaseInfoFilter":[ //Filter fields for official account inform
            "CreateTime",
            "Name",
            "Owner_Account",
            "LastMsgTime",
            "SubscriberNum",
```

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```
            "Introduction",
            "FaceUrl",
            "Organization",
            "CustomString"
        ],
        "SelfInfoFilter":[                  //Filter fields for subscriber information
            "SubscribeTime",
            "CustomString"
        ]
    }
}
```

Request Fields

Field	Type	Required	Description
Subscriber_Account	String	Yes	ID of the subscriber whose information is to be modified.
Limit	Integer	No	Number of official accounts pulled in a single pull, currently supporting a maximum value of 200. If not specified, the default is 200.
Offset	Integer	No	Indicates starting pulling from which official account.
ResponseFilter	Object	No	Includes two filters: OfficialAccountBaseInfoFilter and SelfInfoFilter. OfficialAccountBaseInfoFilter: Indicates the basic information fields of official accounts to be pulled, mainly including: CreateTime: creation time of the official account Name: name of the official account Owner_Account: user who owns the official account LastMsgTime: time of the last message within the official account SubscriberNum: current number of subscribers to the official account Introduction: introduction to the official account FaceUrl: avatar URL of the official account Organization: organization of the official account CustomString: custom field at the official account level If not specified, all fields will be pulled. SelfInfoFilter: Indicates the need to pull subscriber's own information, mainly including: SubscribeTime: time when the subscriber subscribed to the official account CustomString: custom field at the subscriber level If not specified, all fields will be pulled.

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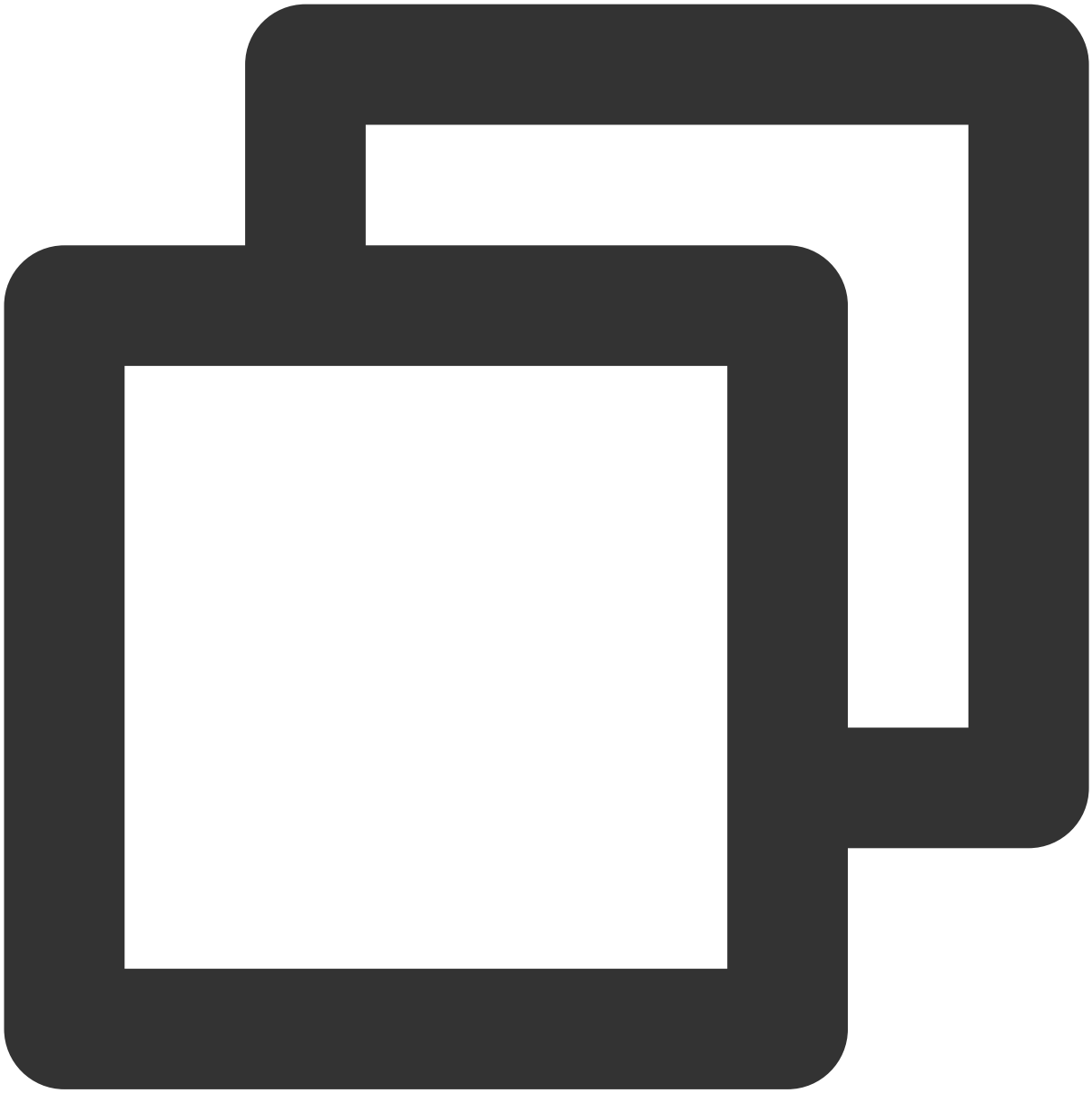
Sample Response Packets



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "TotalCount": 8,    //The total number of subscribed official accounts, unrelat
    "OfficialAccountInfoList": [                //List of official accounts returne
        {
            "Name": "test_mill_subscriber_OA",
```

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```
            "Official_Account": "@TOA#_test_mill_subscriber_OA",
            "Owner_Account": "107867",
            "LastMsgTime": 1698894911,
            "SubscriberNum": 499800,
            "Introduction": "This is test Introduction",
            "FaceUrl": "http://this.is.face.url",
            "Organization": "Tencent",
            "CustomString": "test_custom_string",
            "SelfInfo": {
                "SubscribeTime": 1700655351,
                "CustomString": ""
        }
        //...There might be a lot more information to follow, but here information o

     ],
    "CompleteFlag": 1,          //Indicates whether the pull has ended. 1 means it
    "Next": 0           //If the pull has ended, returns 0.
}
```

Response Fields

Field	Type	Description
ActionStatus	String	Processing result: OK: succeeded. FAIL: failed.
ErrorCode	Integer	Error code: 0: succeeded. Other values: failed.
ErrorInfo	String	Error information.
OfficialAccountInfoList	Array	The official account information obtained. The results are filtered information based on the filter fields set in the filter.
TotalCount	Integer	Number of official accounts subscribed by the user.
CompleteFlag	Integer	Indicates whether the pull has ended. 1: The pull has ended. 0: The pull has not ended.
Next	Integer	Indicates the next pull. If the current pull has not ended, it can be filled in the offset of the next pull as the offset for pagination.

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Error Codes

Unless a network error (such as error 502) occurs, the HTTP return code for this API is always 200. ErrorCode and ErrorInfo in the response packets represent the actual error code and error information.

For common error codes (60000 to 79999), see Error Codes.

The following table describes the error codes specific to this API:

Error Code	Description
6017	Invalid request parameter. Please modify and retry.
10004	Internal server error. Please try again.
20001	Invalid request packet. Please modify and retry.
20005	Internal server error. Please try again.
130002	Insufficient operation permissions. Please check the request parameters based on the error message.
130004	The official account user does not exist, or once existed but has now been terminated.
130007	Incorrect official account user ID. Please modify and retry.
131000	This AppId has not been enabled with official account service.

References

Creating Official Accounts

Adding Subscribers

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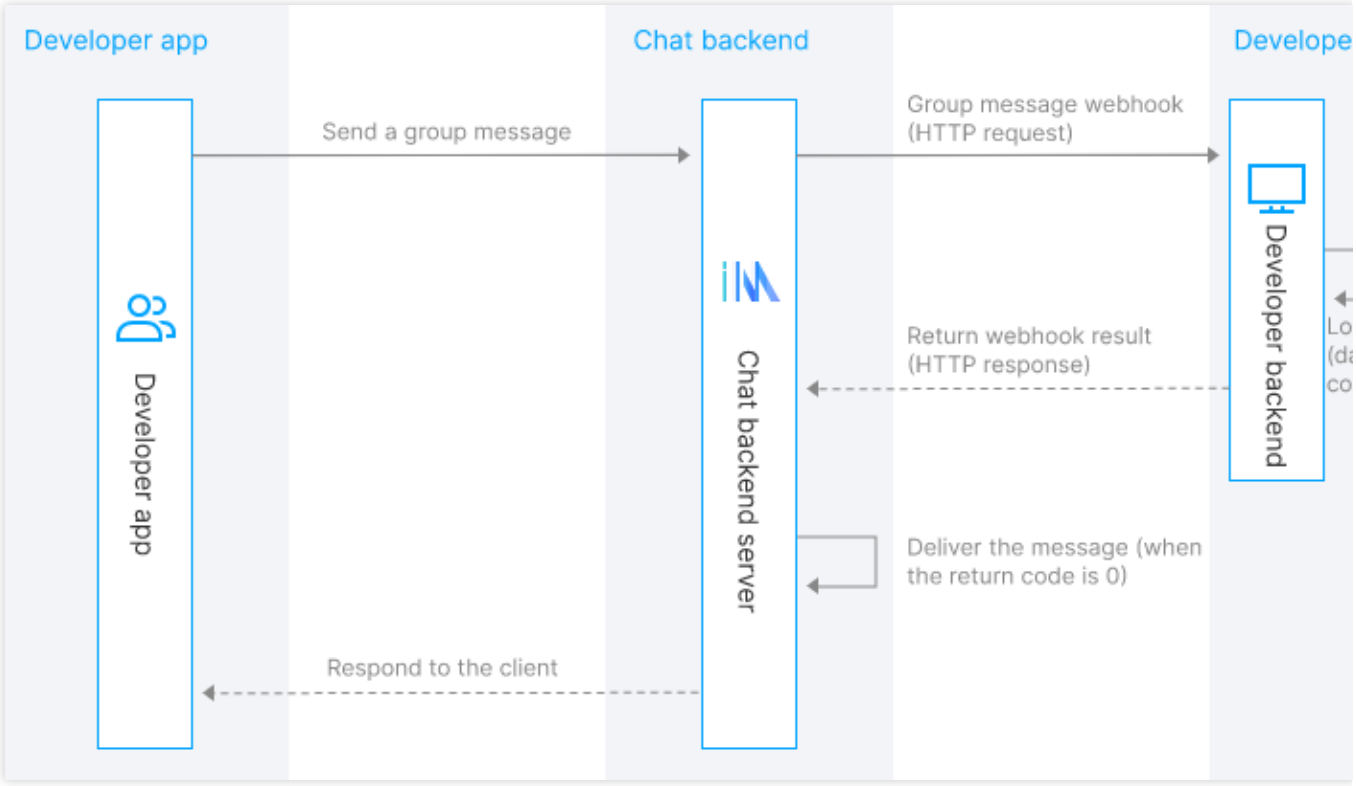
Webhooks
Webhook Overview

Last updated：2024-08-09 10:47:54

Overview

To give you refined control over app features, Chat provides you with powerful webhooks free of charge. The webhooks use persistent connection mode by default. A webhook means that the Chat backend sends a request to the app backend server before or after an event occurs. This allows the app backend to synchronize data if necessary or intervene in the subsequent event processing. For more information about the webhooks currently supported by Chat, see the Webhook Command List.
A webhook is sent to the app backend server using an HTTP/HTTPS request, and the app backend server must process the Chat webhook request and provide a response as soon as possible. Take the Before Group Message Is Sent webhook event as an example. Before the message is sent, the Chat backend sends a webhook request to the app backend server and determines whether the message should be sent based on the webhook result. Based on the webhook, the app can synchronize the message. The following figure shows the webhook process.



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Webhook Classification

Webhooks can be classified into four types according to their functions:
Online status webhooks
Relationship chain webhooks
One-to-one message webhooks
Group webhooks
Webhooks can be classified into two types by process:
Webhook before an action occurs: the purpose of this type of webhook is to allow the app backend to intervene in the processing logic of the event. Chat will determine the subsequent processing flow based on the return code of the webhook. For example, the webhook before a group message is sent is this type of webhook.
Webhook after an action occurs: the purpose of this type of webhook is to allow the app backend to implement essential data synchronization. Chat ignores the return codes of such webhooks. For example, the webhook after a member quits a group is this type of webhook.

Webhook Protocol

Webhooks are based on HTTP/HTTPS protocols. The app backend must provide a webhook URL to Chat, and Chat uses a POST request to initiate a webhook request to the app backend. When initiating a webhook request, Chat adds the following parameters at the end of the URL provided by the app backend:

Parameter	Description
SdkAppid	App ID assigned by Chat
CallbackCommand	Webhook command word
contenttype	Optional. The value is generally a JSON string.
ClientIP	IP address of the client
OptPlatform	Client platform. Depending on the platform type, the following values are available: `RESTAPI` (requests are sent using RESTful APIs) and `Web` (requests are sent using Web SDKs), `Android` , `iOS` , `Windows` , `macOS` , `iPad` , and `Unknown` (requests are sent using an unknown device).

Note:
"IOS" (all in uppercase) is used in the `State.StateChange` webhook, while "iOS" (the first letter is in lowercase) is used in other webhooks. Please perform compatibility processing during use.

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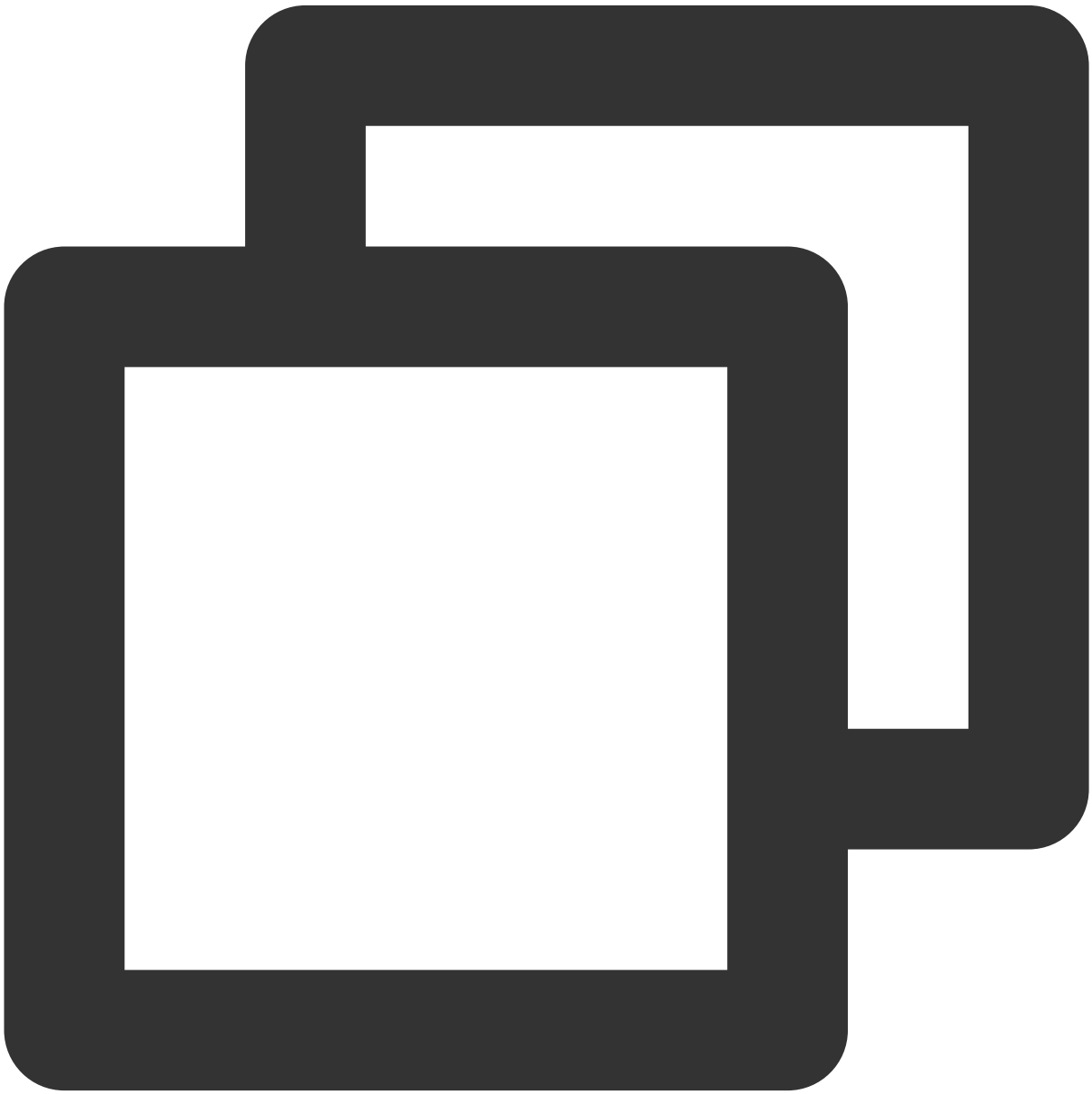
The specific webhook content is included in the HTTP request packet. For details, see the following webhook examples.

Webhook Examples

Webhook request example:



```
POST /?SdkAppid=888888&CallbackCommand=Group.CallbackAfterNewMemberJoin&contenttype
Host: www.example.com
```

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```
Content-Length: 337
{
    "CallbackCommand": "Group.CallbackAfterNewMemberJoin",
    "GroupId": "@TGS#2J4SZEAEL",
    "Type": "Public",
    "JoinType": "Apply",
    "Operator_Account": "leckie",
    "NewMemberList": [
        {
            "Member_Account": "jared"
        },
        {
            "Member_Account": "tommy"
        }
    ]
}
```

Webhook response example:

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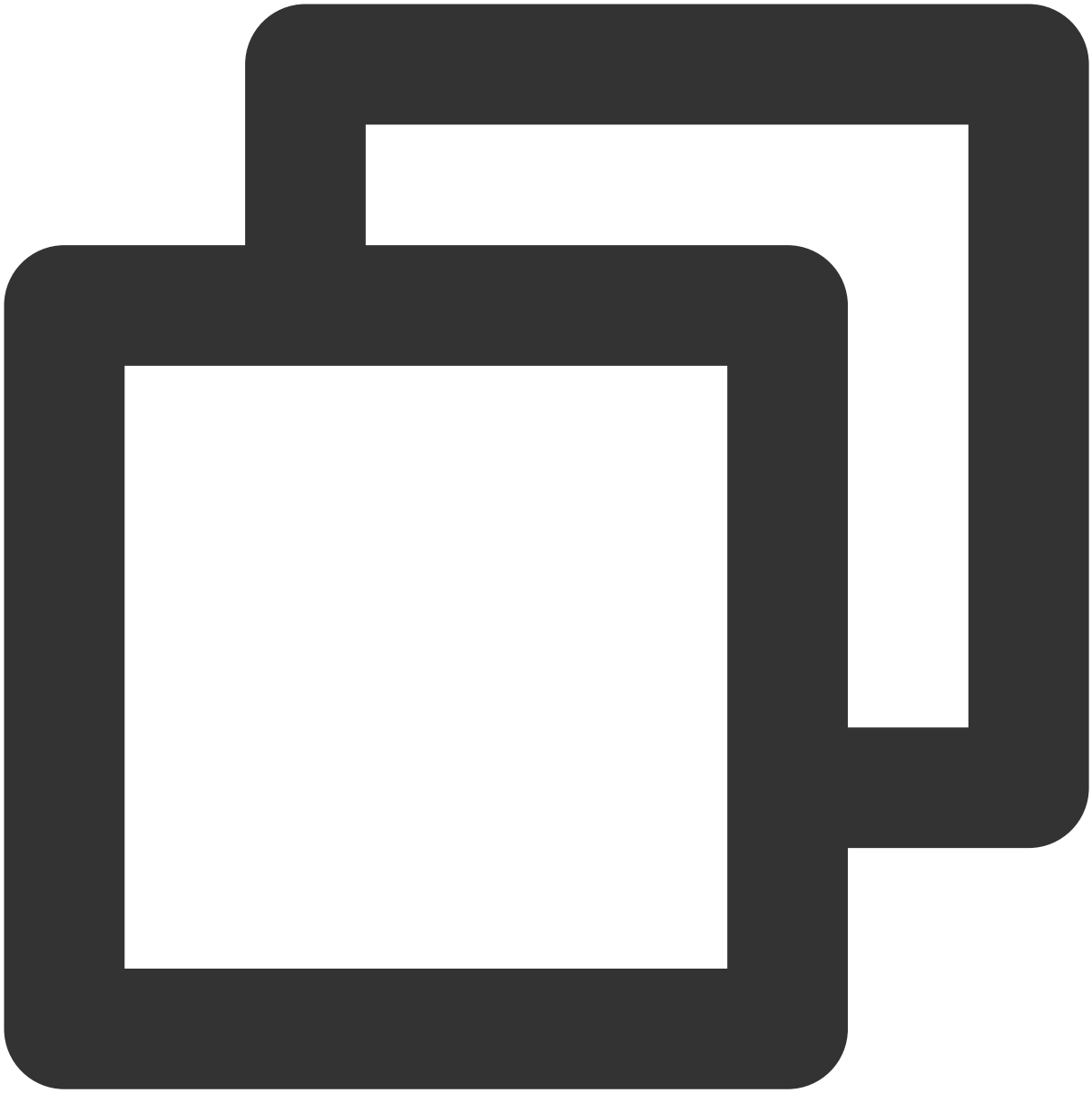

```
HTTP/1.1 200 OK
Server: nginx/1.7.10
Date: Fri, 09 Oct 2015 02:59:55 GMT
Content-Length: 75
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode":0
}
```

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Webhook Timeout Period and Retry

The timeout period for Chat webhooks to the app backend is two seconds.
Before event occurrence, webhooks are not retried. After event occurrence, webhooks are not retried by default, and you can configure whether to retry the webhooks when they time out.
To ensure a high webhook success rate, third-party apps need to process webhooks quickly. For example, the app can send a webhook response and then process the specific business logic.

Handling Policy for Webhook Timeouts Before Event Occurrence

If a webhook times out before event occurrence, the default policy is to deliver the message.
You can also configure the handling policy for webhook timeouts before event occurrence in the console. For example, when a webhook timeout occurs before a group message is sent, you can specify whether to deliver the message.

Security Considerations

Chat supports both HTTP and HTTPS webhooks. For HTTPS webhooks, you need to configure a certificate issued by a CA or a certificate issued by Chat free of charge in the WebServer of the app backend.
Note:
To get a certificate issued by Chat free of charge, you need to log in to the console and configure webhook URL and download the certificate. For more information, see Webhook Configuration.
Related security issues are as follows:
1. HTTP transmits data in plain text, and data confidentiality cannot be guaranteed. Therefore, HTTPS is recommended.
2. It's impossible to determine whether a webhook request really comes from Chat.
For request source security, we provide the **Webhook Authentication** solution:
1. Configure the webhook URL and enable webhook in the console.
2. During webhook URL configuration, enable authentication and configure the authentication token. Then, the signature (`Sign`) and signing timestamp (`RequestTime`) will be added to the webhook request URL. The signature algorithm is **Sign=sha256(TokenRequestTime)**.
3. The app backend authenticates the webhook request. It uses SHA256 to calculate and verify the signature based on the local authentication token and the signing timestamp (`RequestTime`) in the webhook URL.

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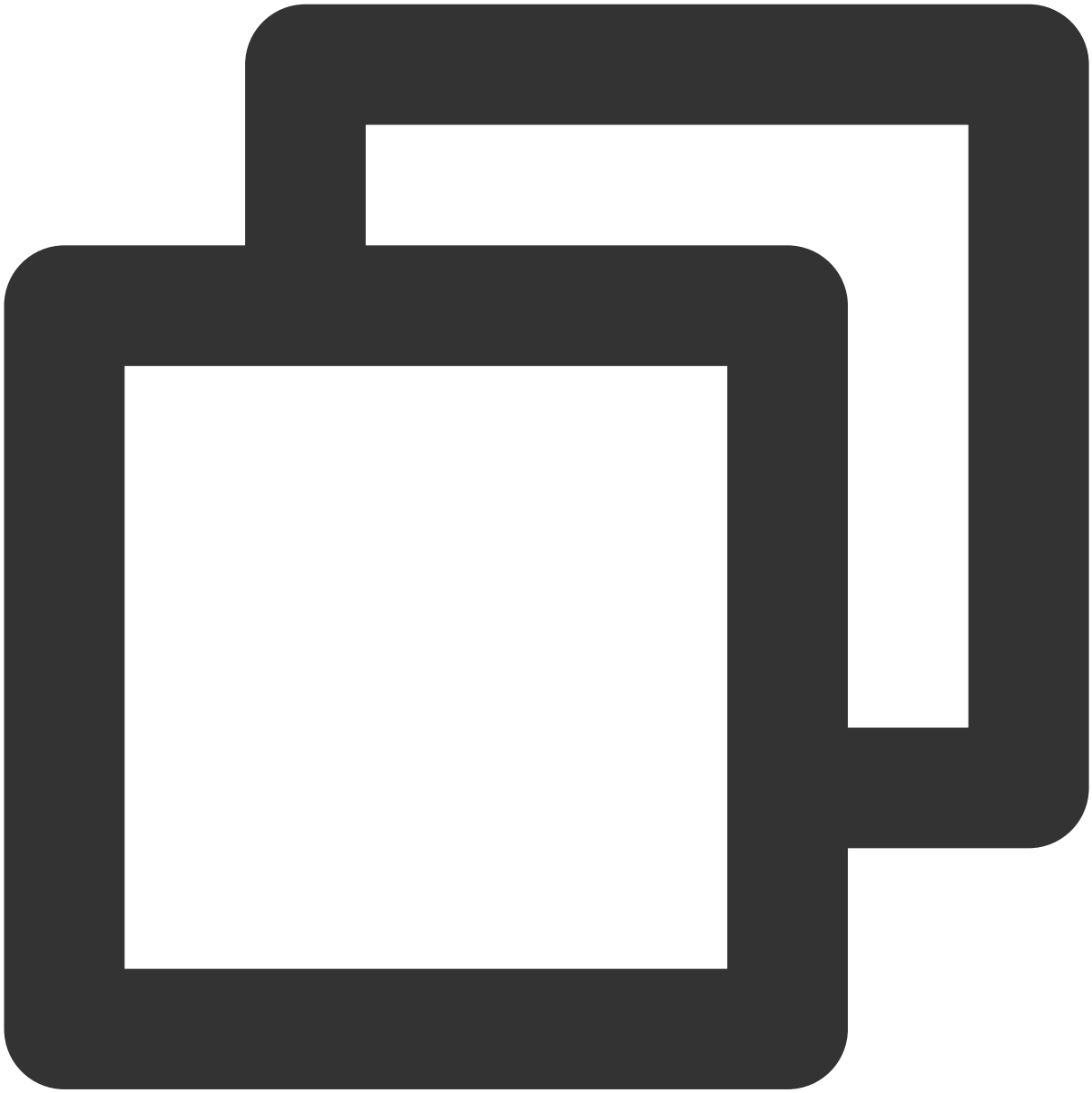

```
Signature algorithm sample:

Token=xxxxyyyy
RequestTime=1669872112
Sign=sha256(xxxxyyyy1669872112)=17773bc39a671d7b9aa835458704d2a6db81360a5940292b587

Webhook URL=URL&Sign=17773bc39a671d7b9aa835458704d2a6db81360a5940292b587d6d760d4840
```

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Common Reasons for Webhook Failures

If a webhook failure occurs, check whether the configured webhook service has a problem according to the following checklist:

Webhook Failure Symptom	Possible Reason
Access to the webhook URL times out	1. Chat cannot complete DNS resolution. In this case, check whether the domain name is valid on the public network. For example, if the webhook host is http://notexist.com, Chat cannot complete DNS resolution because this domain name does not exist. 2. Chat cannot access the IP address configured in the webhook URL. In this case, check whether this IP address is accessible from the public network. For example, if the webhook host is http://10.0.0.1, Chat cannot access this IP address because the domain name is a private IP address of the app. 3. The failure occurs due to the firewall policy of the app webhook service. In this case, check the firewall configuration. For example, a webhook failure occurs if the app webhook server denies all requests arriving at port 80.
Access denied by the webhook service	Chat can access the host, but a connection is not established. In this case, check whether the WebServer has started properly. For example, a webhook failure will occur when the WebServer of the app webhook server has not started or when the port configuration is incorrect.
HTTPS certificate configuration error of the webhook service	This can occur when the webhook type is HTTPS (or HTTPS mutual authentication). Chat can access the app webhook server, but determines that the certificate configured on the app WebServer is invalid. In this case, check that the HTTPS certificate is properly configured.
HTTPS mutual authentication configuration error of the webhook service	This can occur when the webhook type is HTTPS mutual authentication. Chat verifies that the certificate configured on the app webhook server is valid, but the app webhook server fails to verify the Chat certificate. **Note：** The HTTPS two-way authentication method has been taken offline, and we recommend you to use the more convenient **Webhook Authentication** method.
The HTTP return code of the webhook service is not 200	The webhook request is successful, but the HTTP return code in the response packet is not 200.
The webhook response packet could not be parsed	The webhook response packet is not in JSON format.

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Webhook Command List

Last updated：2024-05-14 14:36:49

Online Status

Webhook Type	Webhook Command Word
Webhook for status change	State.StateChange

Profile Relationship Chain

Webhook Type	Webhook Command Word
After a Profile Is Updated	Profile.CallbackPortraitSet
Before a Friend Is Added	Sns.CallbackPrevFriendAdd
Before a Friend Request Is Responded	Sns.CallbackPrevFriendResponse
After a Friend Is Added	Sns.CallbackFriendAdd
After a Friend Is Deleted	Sns.CallbackFriendDelete
After a User Is Added to Blocklist	Sns.CallbackBlackListAdd
After a User Is Removed from Blocklist	Sns.CallbackBlackListDelete

One-to-One Message

Webhook Type	Webhook Command Word
Before a One-to-One Message Is Sent	C2C.CallbackBeforeSendMsg
After a One-to-One Message Is Sent	C2C.CallbackAfterSendMsg
After a One-to-One message Is Marked as Read	C2C.CallbackAfterMsgReport
After A One-to-One Message Is Recalled	C2C.CallbackAfterMsgWithDraw

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Groups

Webhook Type	Webhook Command Word
Before a Group Is Created	Group.CallbackBeforeCreateGroup
After a Group Is Created	Group.CallbackAfterCreateGroup
Before Applying to Join a Group	Group.CallbackBeforeApplyJoinGroup
Before Inviting a User to a Group	Group.CallbackBeforeInviteJoinGroup
After a User Joins a Group	Group.CallbackAfterNewMemberJoin
After a User Leaves a Group	Group.CallbackAfterMemberExit
Before Group Message Is Sent	Group.CallbackBeforeSendMsg
After a Group Message Is Sent	Group.CallbackAfterSendMsg
After a Group Is Full	Group.CallbackAfterGroupFull
After a Group Is Disbanded	Group.CallbackAfterGroupDestroyed
After Group Profile Is Modified	Group.CallbackAfterGroupInfoChanged
Webhook for Online and Offline Status of Audio-Video Group Members	Group.CallbackOnMemberStateChange
Webhook for Exceptions When Group Messages Are Sent	Group.CallbackSendMsgException
Before a Topic Is Created	Group.CallbackBeforeCreateTopic
After a Topic Is Created	Group.CallbackAfterCreateTopic
After a Topic Is Deleted	Group.CallbackAfterTopicDestroyed
Topic Profile Change Webhook	Group.CallbackAfterTopicInfoChanged
Callback After Read Receipt	Group.CallbackAfterMemberFieldChanged
Callback After Group Attribute Changed	Group.CallbackAfterGroupAttrChanged
Callback After Read Receipt	Group.CallbackAfterReadReceipt
Callback After the Group Owner Changed	Group.CallbackAfterChangeGroupOwner

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Operations Management Callbacks
API Overclocking Alarm Callbacks

Last updated：2024-05-08 16:34:56

Feature Overview

When the request frequency of the API exceeds 80% of the threshold, the app backend is notified of the call frequency alarm information through a callback.

Notes

To enable the callback, you must configure the callback URL. For detailed configuration methods, see Webhook Configuration.
Once the callback URL is configured, an alarm callback is triggered by default if the request frequency exceeds the alarm threshold.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related matters, see Webhook Overview - Security Considerations.

API Description

Sample Request URL

In the following example, the callback URL configured in the app is `https://www.example.com`
Example:

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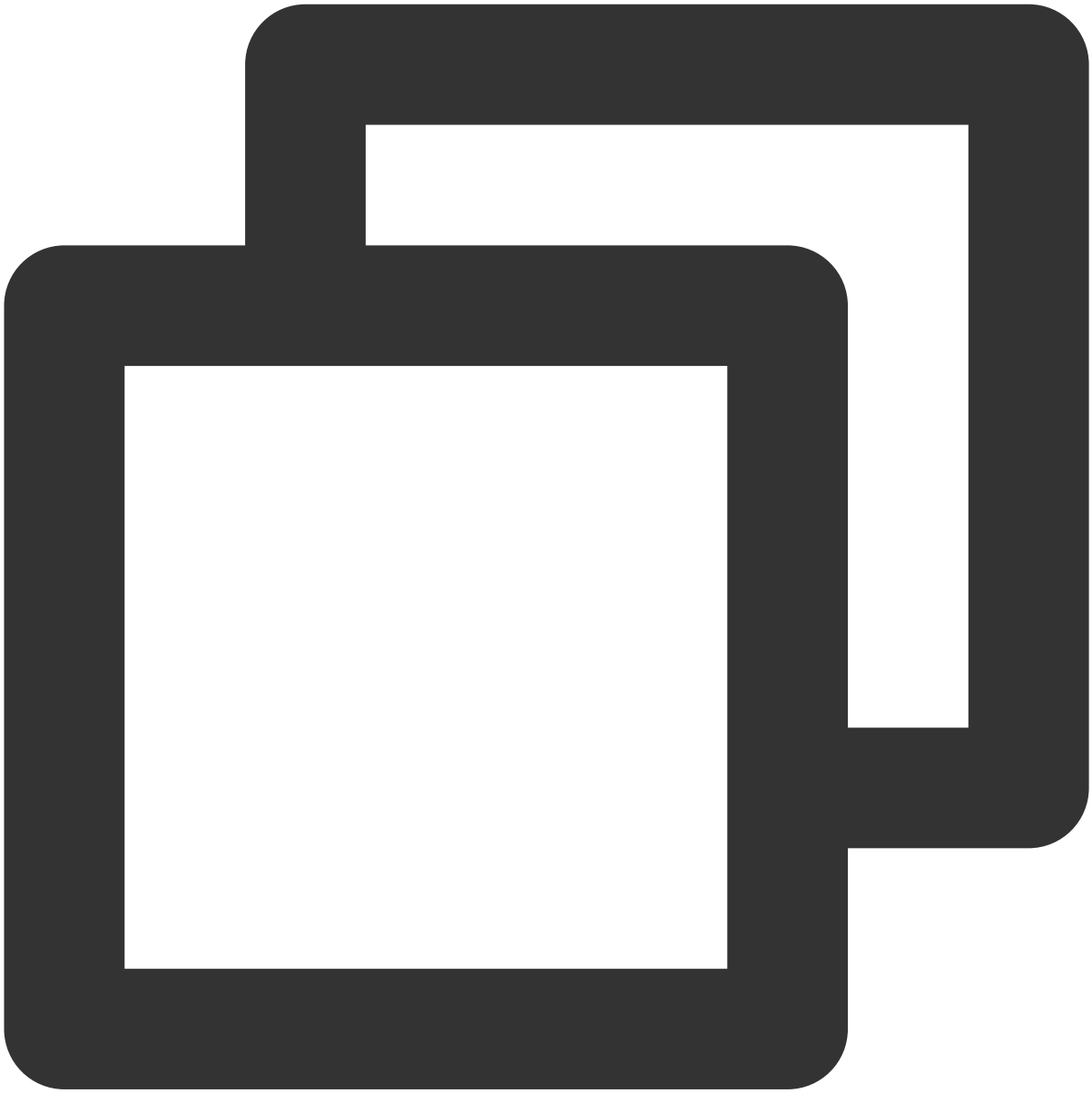

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&OptPlat
```

Request Parameters

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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www.example.com	Callback URL
SdkAppid	SDKAppID allocated by the Chat console at the time of application creation
CallbackCommand	Fixed as Alert.RequestOverLimit
contenttype	Fixed value: JSON
OptPlatform	Client platform. For values, see Webhook Overview - Webhook Protocol for the meaning of the OptPlatform parameter.

Sample Request Packet

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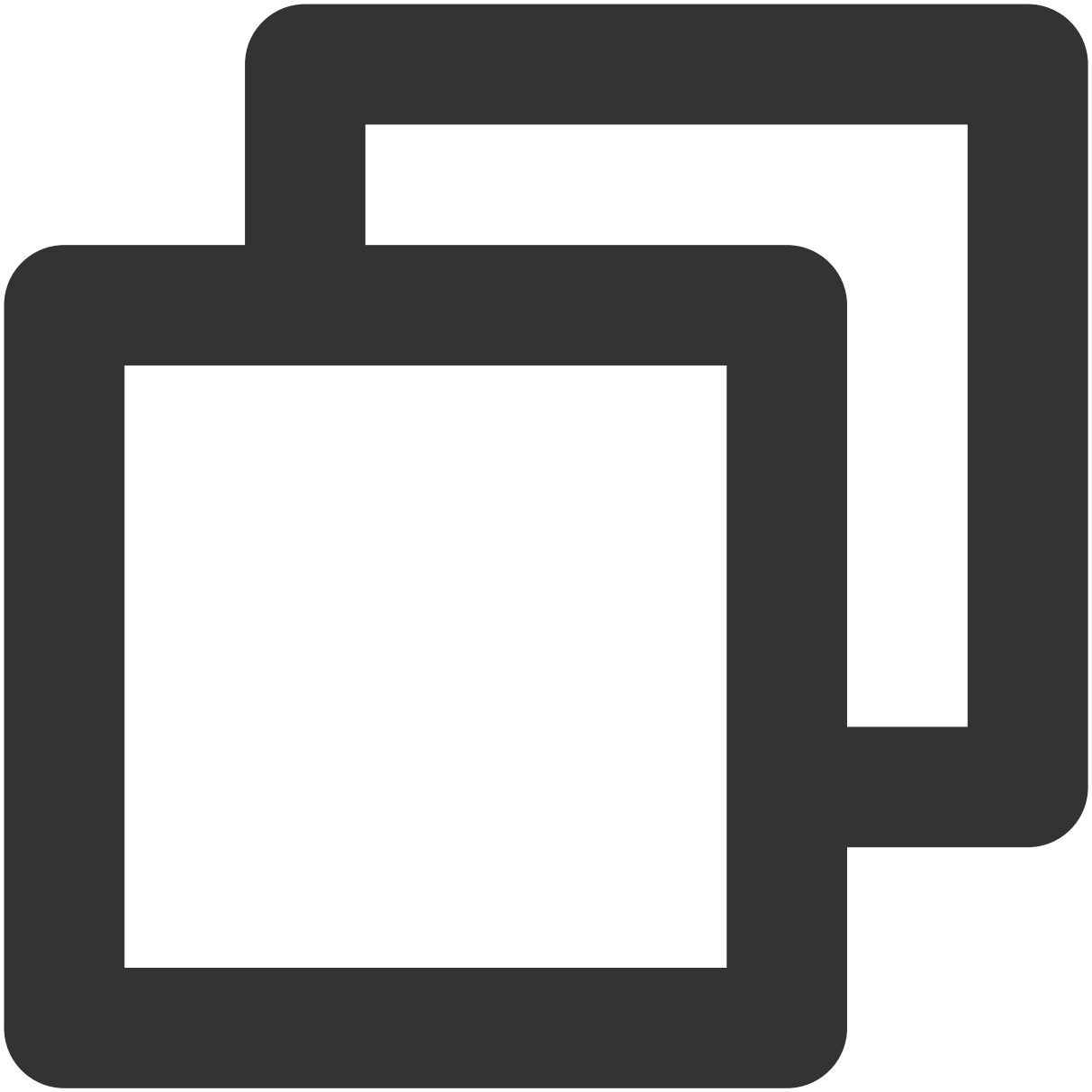

```
{
    "CallbackCommand": "Alert.RequestOverLimit",
    "ServiceName": "openim",
    "Command": "batchsendmsg",
    "Request": 510,
    "Limit": 200
}
```

Request Packet Fields

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Field	Type	Description
CallbackCommand	String	Fixed as Alert.RequestOverLimit
ServiceName	String	Internal service name of API. Different ServiceNames correspond to different service types.
Command	String	API command word, combined with ServiceName to identify specific business features.
Request	Integer	API request QPS rate
Limit	Integer	API request QPS threshold

Sample Response Packet

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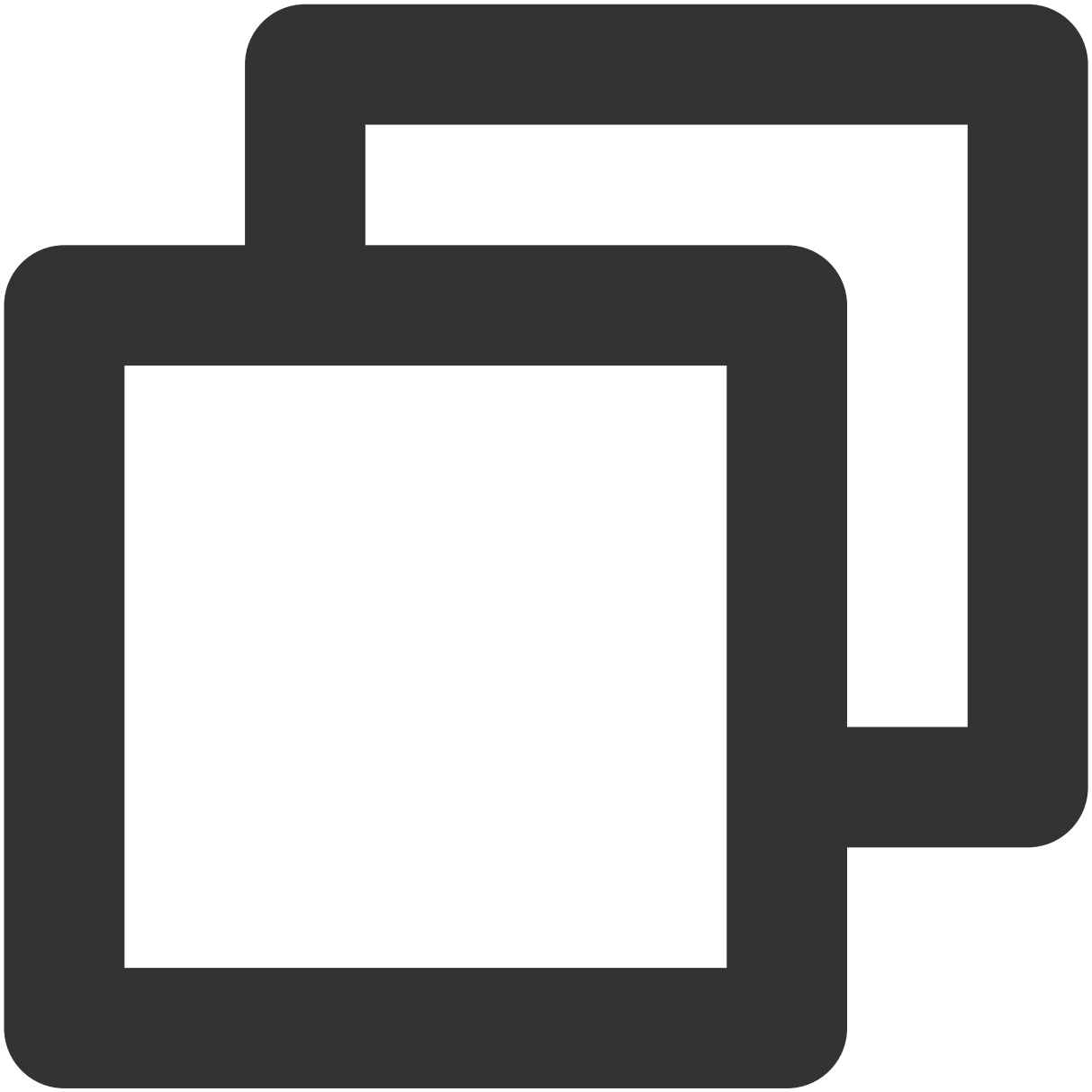

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response Packet Fields

Field	Type	Description

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ActionStatus	String	Request processing result: OK indicates successful processing. FAIL indicates failed processing.
ErrorCode	Integer	Error code
ErrorInfo	String	Error description

References

Webhook Overview

RESTful APIs

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Online Status Webhooks
Status Change Webhooks

Last updated：2024-08-14 10:41:49

Overview

The app backend can use this callback to view the login or logout behaviors of users in real time, including:
User login (a TCP connection is established)
User logout or network disconnection (a TCP connection is terminated)
App heartbeat timeout (the app is abnormally killed or crashes)
Set a user's custom status

Notes

To enable this callback, you must configure the callback URL and enable the corresponding switch for this callback. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is the SDKAppID of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.
For native SDK enhanced edition 5.6.1200 or later and web SDK 2.14.0 or later, a forced logout due to multi-device login or multi-instance login will trigger only a Login (Register) callback. For other SDK versions, a forced logout due to multi-client login or multi-instance login will trigger both a Login (Register) callback and a Logout (Unregister) callback.

Callback Trigger Scenarios

A user initiates a login request through the client.
A user initiates a logout request through the client.
A user's client is disconnected and then connected again.
A user proactively kills the client process, the app is killed by the operating system of the mobile phone after the user switches the app to the background, or the process exits abnormally because the app crashes. When detecting that the client is disconnected from the network, the CVM instance triggers the network disconnection callback.
The client heartbeat times out, for example, because the network is disconnected or the network is completely unavailable. When detecting that the client heartbeat has timed out, the CVM instance triggers the network

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disconnection callback. The heartbeat timeout interval is 400 seconds.
Set a user's custom status

Real-Time Callbacks

Android, iOS, and PC

In most cases, the IM CVM instance can detect the user status change and trigger a callback in real time. For example:
When a user proactively logs in, the IM CVM instance triggers a Login (Register) callback.
When a user proactively logs out, the IM CVM instance triggers a Logout (Unregister) callback.
When a user proactively kills the client process or switches to the backend, or the client process is killed by the operating system of the mobile phone, the IM CVM instance triggers a Disconnect (LinkClose) callback.
Only in the following special case, the IM CVM instance detects the user status change only after the 400-second heartbeat timeout interval expires:
When the network is completely unavailable, and the client cannot even send the FIN or RST packets over TCP, the IM CVM instance triggers a Disconnect (TimeOut) callback after the 400-second heartbeat timeout interval expires. This usually occurs when the user disconnects the client from the network (for example, by enabling the airplane mode on the mobile phone) or the user enters a tunnel with no network signal.

Web

When a user proactively logs in on the web client, the IM CVM instance triggers a Login (Register) callback in real time.
The timeliness of status change callbacks in various logout/disconnection scenarios is as follows:
Direct page closing triggers a Disconnect (LinkClose) callback in real time.
A network disconnection without closing the current page takes about 60 seconds to trigger a Disconnect (LinkClose) callback.
Proactively calling the `destroy` API triggers a Logout (Unregister) callback in real time.

Mini Program

When a user logs in on a Mini Program, the IM CVM instance triggers a Login (Register) callback in real time.
The timeliness of status change in various exit/disconnection scenarios is as follows:
When a user clicks in the upper-right corner to exit, a Disconnect (LinkClose) callback is triggered in five seconds.
Network disconnection (for example, enabling airplane mode on the phone) takes about 60 seconds to trigger a Disconnect (LinkClose) callback.
Switching WeChat to the background takes about 30 seconds to trigger a Disconnect (LinkClose) callback.
Terminating the WeChat process triggers a Disconnect (LinkClose) callback in real time.
Proactively calling the destroy` API triggers a Logout (Unregister) callback in real time.

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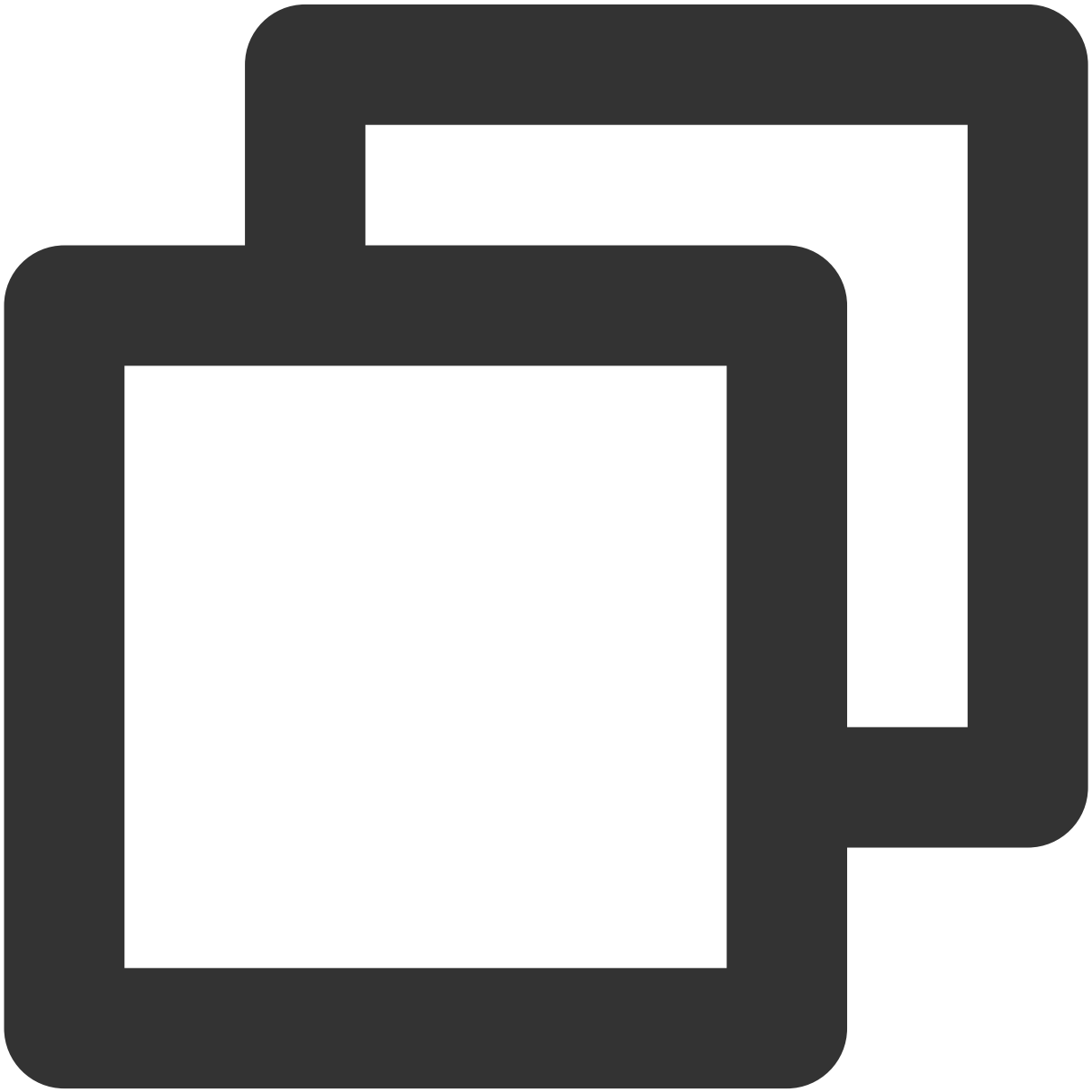
API Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

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Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL
SdkAppid	SDKAppID assigned by the IM console when the app is created
CallbackCommand	Fixed value: State.StateChange
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of OptPlatform in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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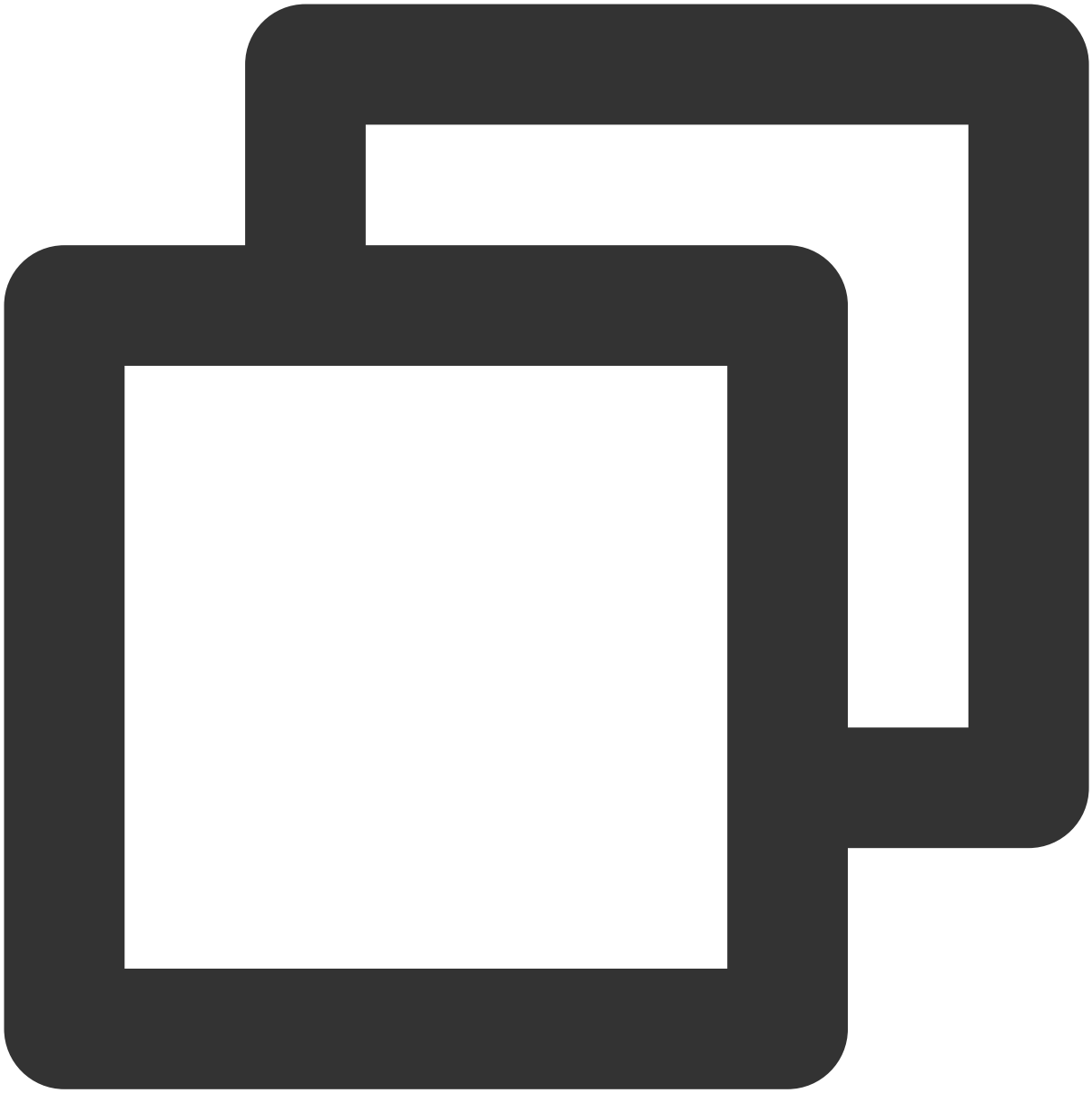

```
{
    "CallbackCommand": "State.StateChange",
    "EventTime": 1629883332497,
    "Info": {
        "Action": "Login",
        "To_Account": "testuser316",
        "Reason": "Register"
    },
    "KickedDevice": [
        {
            "Platform": "Windows"
```

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```
        },
        {
            "Platform": "Android"
        }
    ]
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
Info	Object	User login or logout information
Action	String	User login or logout behavior. Valid values: Login (TCP connection established); Logout (TCP connection terminated); Disconnect (network disconnected)
To_Account	String	UserID of the user
Reason	String	Reason for triggering user login or logout: Login reason: Register, which indicates that a TCP connection is established with the app or that the network is disconnected and then connected again. Logout reason: Unregister, which indicates that the app user deregisters the account and terminates the TCP connection. Disconnect reason: LinkClose, which indicates that IM detects that the TCP connection with the app is terminated, such as when the app is killed or the client sends a TCP FIN or RST packet. TimeOut: IM detects that the app heartbeat packet times out and determines that the TCP connection is terminated. For example, when the client network is abnormally disconnected, the client does not send the TCP FIN or RST packet and cannot send heartbeat packets. The heartbeat timeout interval is 400 seconds. CustomStatusChange reasons: SetCustomStatus, which user sets a custom status For the callback reasons of specific scenarios, see Callback Trigger Scenarios.
CustomStatus	String	Custom status after user change
KickedDevice	Array	Information about other devices that are kicked offline. This field is available only when the current status change is Login (Register) and there are other devices being kicked offline.
KickedDevice.Platform	String	Platform type of the device kicked offline. Valid values: iOS, `Android,

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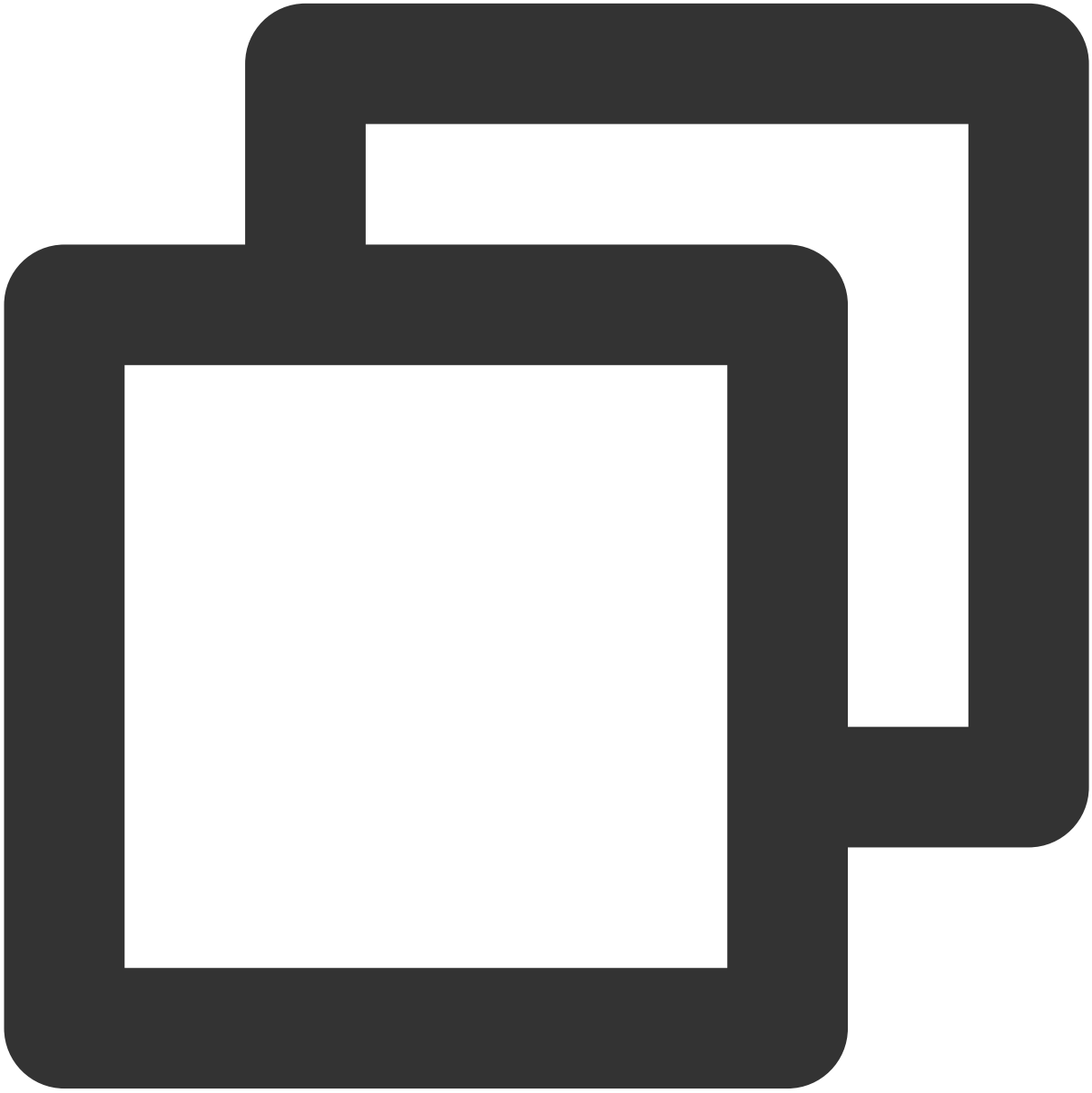
		Web, Windows, iPad, Mac, Linux
EventTime	Integer	Timestamp when the current callback is triggered, in milliseconds.

Sample response



```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
```

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```
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. OK: Successful; FAIL: Failed
ErrorCode	Integer	Yes	Error code. 0: The app backend processing was successful; 1: The app backend processing failed.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

Online Status Management

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Relationship Chain Webhooks
After a Profile Is Updated

Last updated：2024-08-20 17:11:03

Feature Description

This callback allows you to view the profile update operations by users in real time on the app backend.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

App users modify their profiles through the client.
App admins modify user profiles through RESTful APIs.

Callback Triggering Timing

This callback is triggered after the user profile is successfully modified.

API Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Example:

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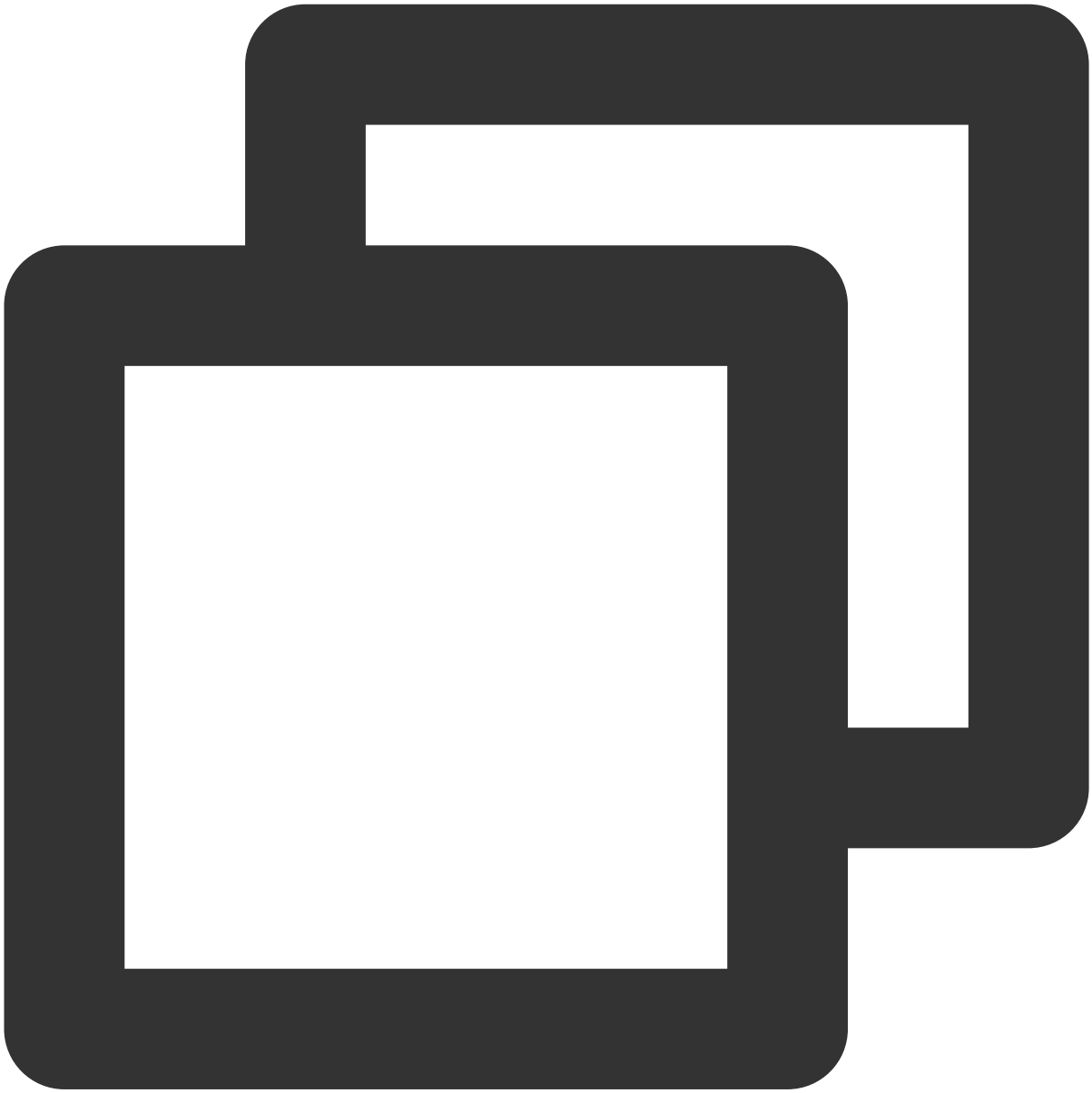

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Profile.CallbackPortraitSet` .
contenttype	Fixed value: json
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocol** section of Third-Party Callback Overview.

Sample request

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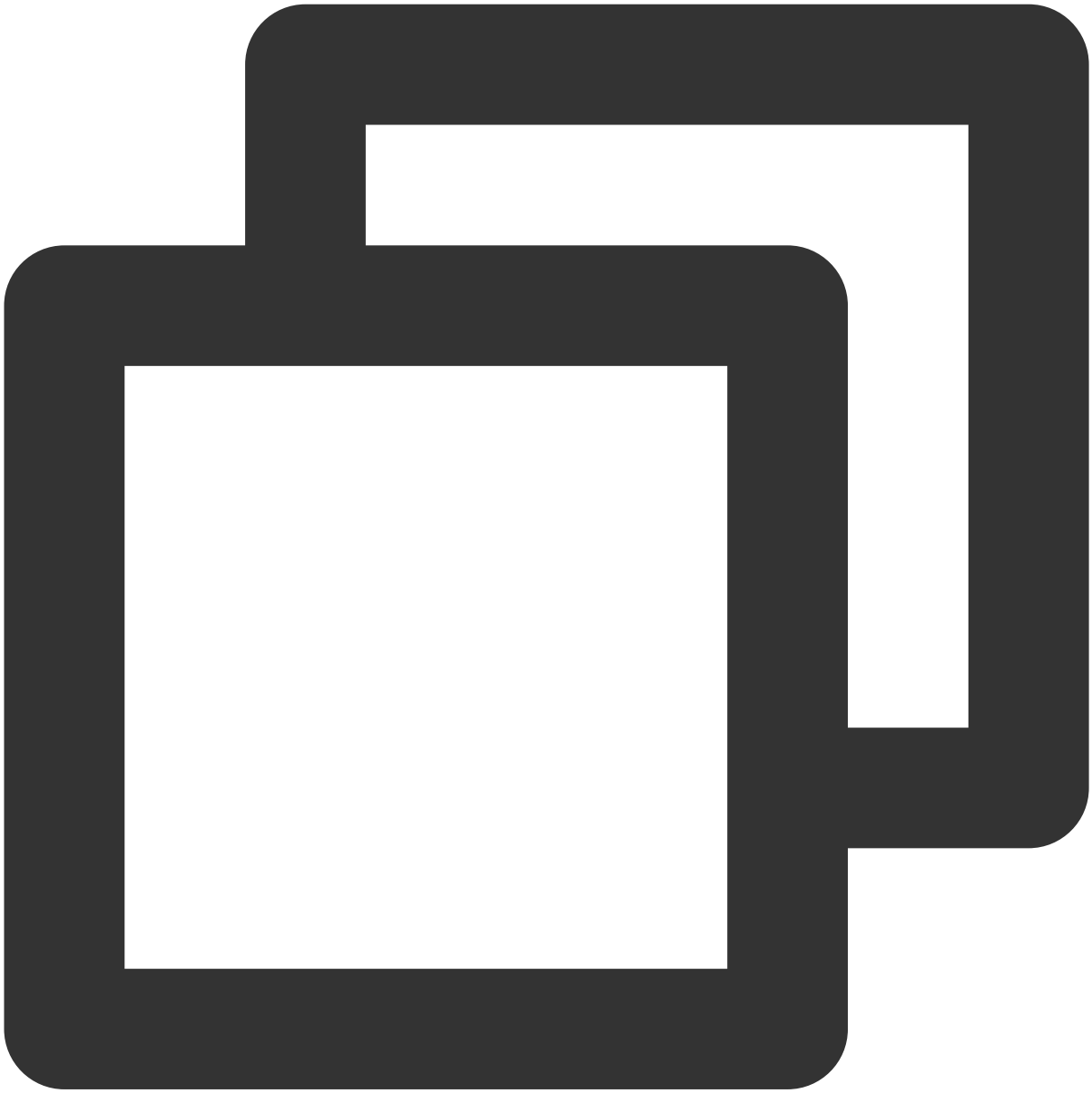

```
{
  "CallbackCommand": "Profile.CallbackPortraitSet",
  "Operator_Account": "id1",
  "From_Account": "id1",
  "EventTime": 1656921052497,
  "ProfileItem": [
    {
      "Tag": "Tag_Profile_IM_Nick",
      "Value": "nick1"
    },
    {
```

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```
        "Tag": "Tag_Profile_IM_Gender",
        "Value": "Gender_Type_Male"
      },
      {
        "Tag": "Tag_Profile_IM_AllowType",
        "Value": "AllowType_Type_NeedConfirm"
      },
      {
        "Tag": "Tag_Profile_Custom_Data",
        "Value": "your custom data"
      }
    ]
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
Operator_Account	String	`UserID` of the user who triggers the update operation
From_Account	String	`UserID` of the user who updates the profile
EventTime	Integer	Timestamp in milliseconds
ProfileItem	Array	List of successfully updated user profile items
Tag	String	Field name of the successfully updated profile. For more information, see Profile Management.
Value	uint32/string	Value of the successfully updated profile field. For more information, see Profile Management.

Sample response

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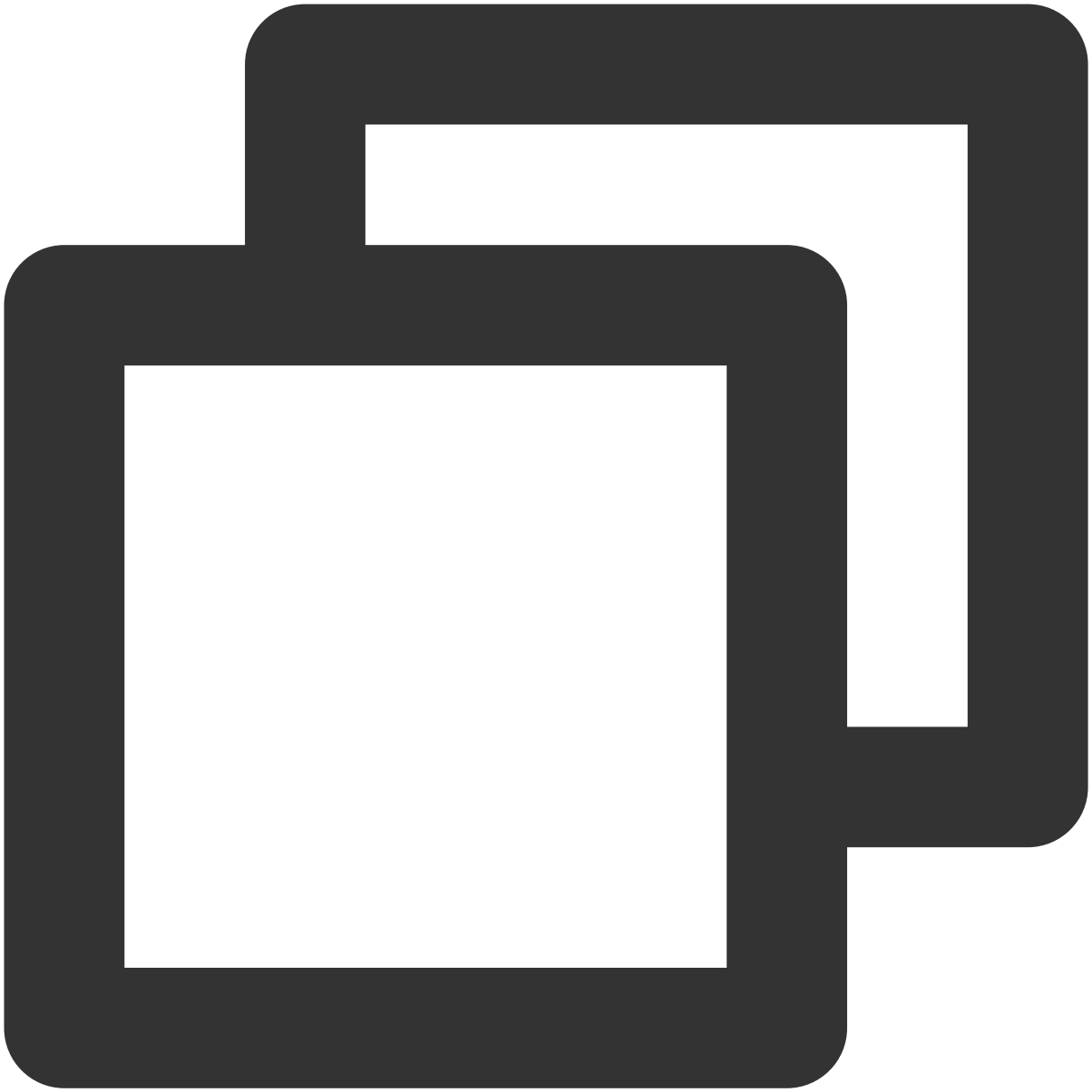

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. OK: succeeded; FAIL: failed.
ErrorCode	Integer	Yes	Error code. 0: the app backend processing succeeded; 1: the app backend processing failed.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

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Before a Friend Is Added

Last updated：2024-08-20 17:11:03

Feature Description

This API is used by the app backend to:
View friend requests in real time.
Block malicious friend requests.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user initiates a friend request on the client.

Callback Triggering Timing

The Chat backend receives a friend request from the app.
Caution:
Friend requests initiated via RESTful API calls will not trigger the callback.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Sample:

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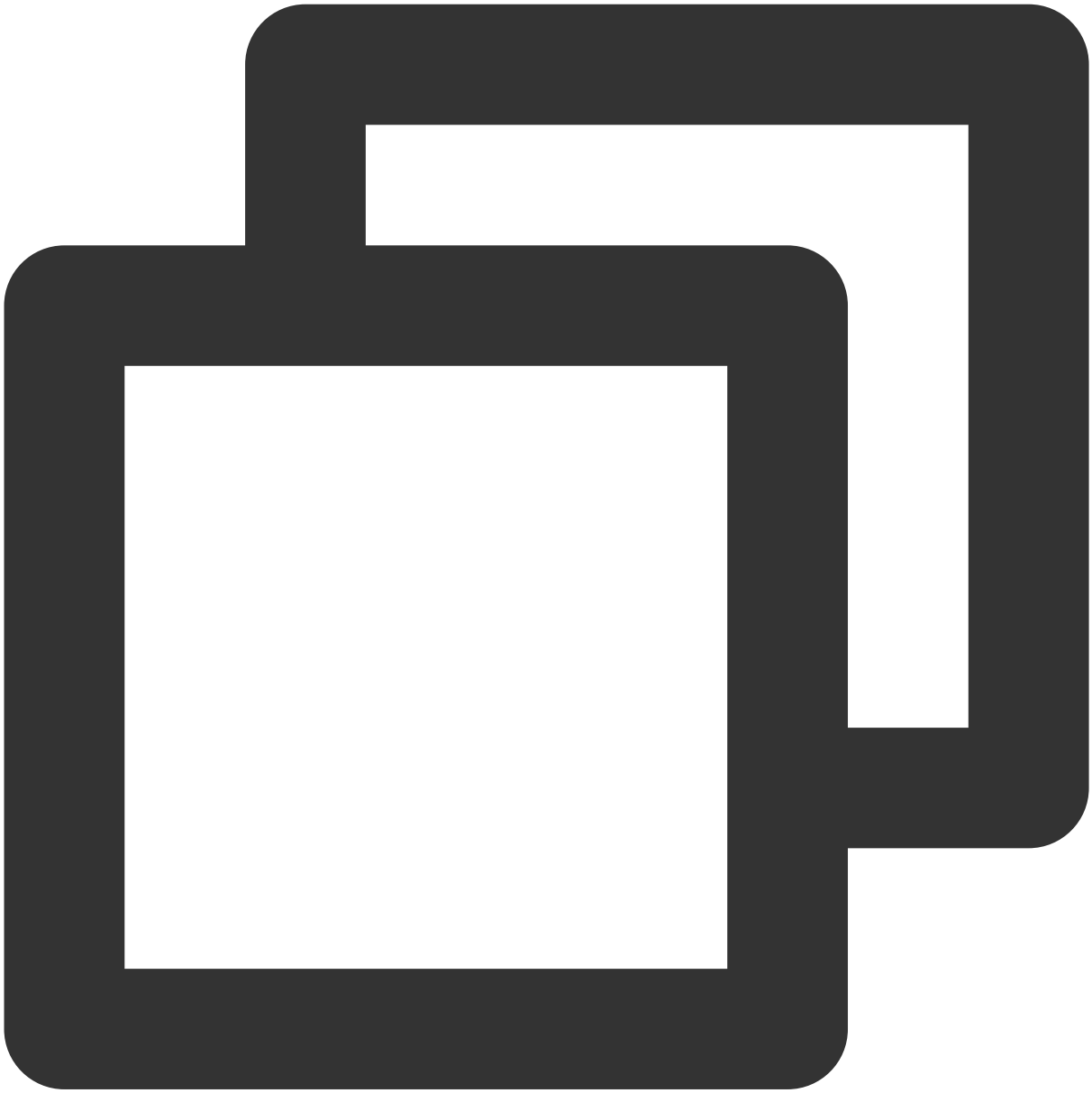

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
www.example.com	Callback URL

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SdkAppid	`SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Always `Sns.CallbackPrevFriendAdd`
contenttype	Always `json`
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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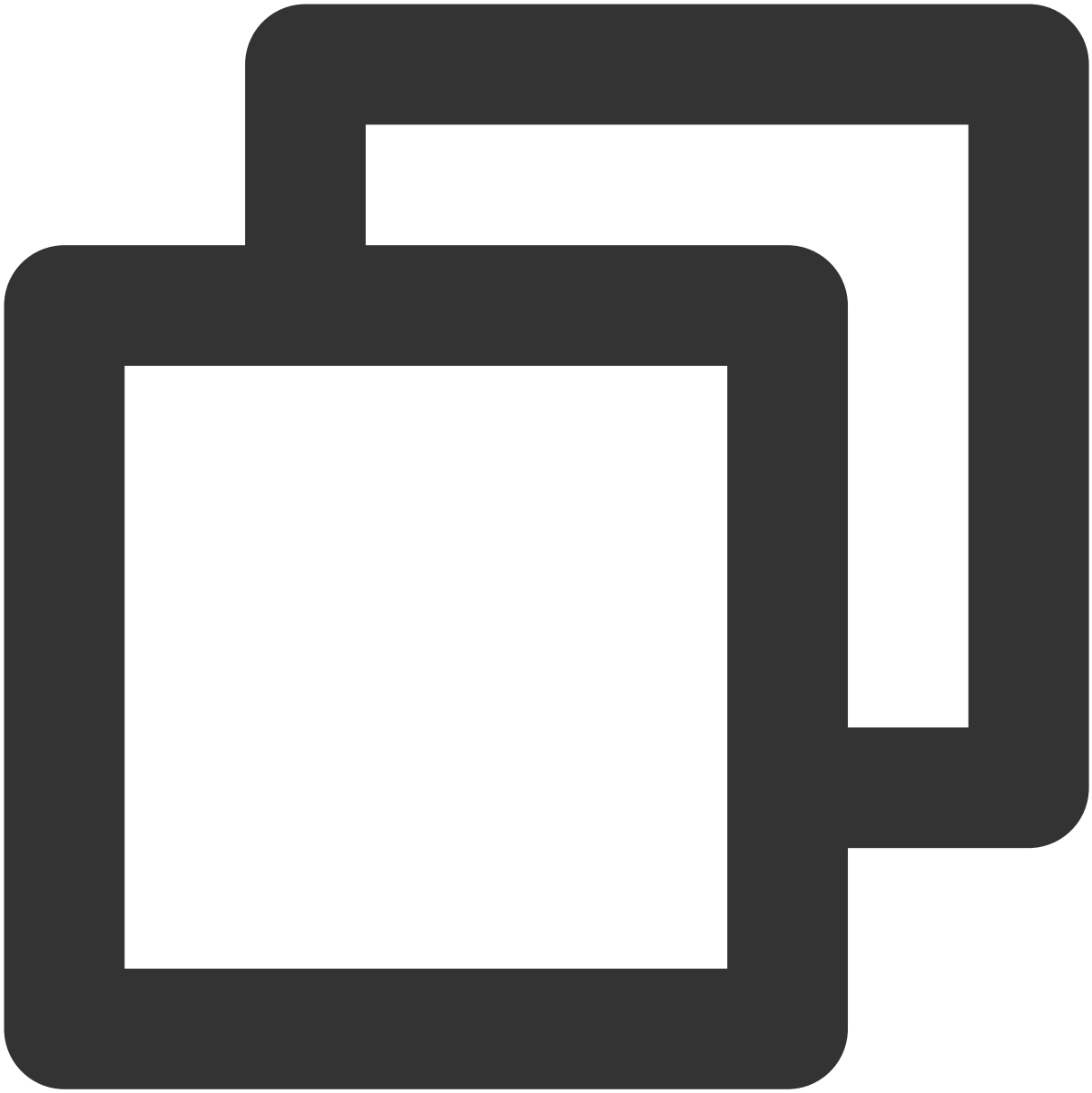

```
{
  "CallbackCommand": "Sns.CallbackPrevFriendAdd",
  "Requester_Account": "id",
  "From_Account": "id",
  "FriendItem": [
    {
      "To_Account": "id1",
      "Remark": "remark1",
      "GroupName": "group1",
      "AddSource": "AddSource_Type_Android",
      "AddWording": "this is id1!"
```

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```
    },
    {
      "To_Account": "id2",
      "Remark": "remark2",
      "GroupName": "group1",
      "AddSource": "AddSource_Type_Android",
      "AddWording": "this is id2!"
    }
  ],
  "AddType": "Add_Type_Both",
  "ForceAddFlags": 0,
  "EventTime": 1631777344870
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
Requester_Account	String	`UserID` of the user who initiates the request
From_Account	String	`UserID` of the user who requests to add friend
FriendItem	Array	Parameter of the friend request
To_Account	String	`UserID` of user to be added as friend
Remark	String	Friend remarks set by `From_Account` for `To_Account`. For more information, see the **Standard friend fields** section in Contacts Management.
GroupName	String	Friend list set by `From_Account` for `To_Account`. For more information, see the `Standard friend fields` section in Contacts Management.
AddSource	String	Source from which a friend is added. For more information, see the `Standard friend fields` section in Contacts Management.
AddWording	String	Friend request content. For more information, see the `Standard friend fields` section in Contacts Management.
AddType	String	Friend adding mode. Valid values: `Add_Type_Single`: one-way `Add_Type_Both` (default): two-way
ForceAddFlags	Integer	Flag denoting the friend is force added by an admin. Valid values:

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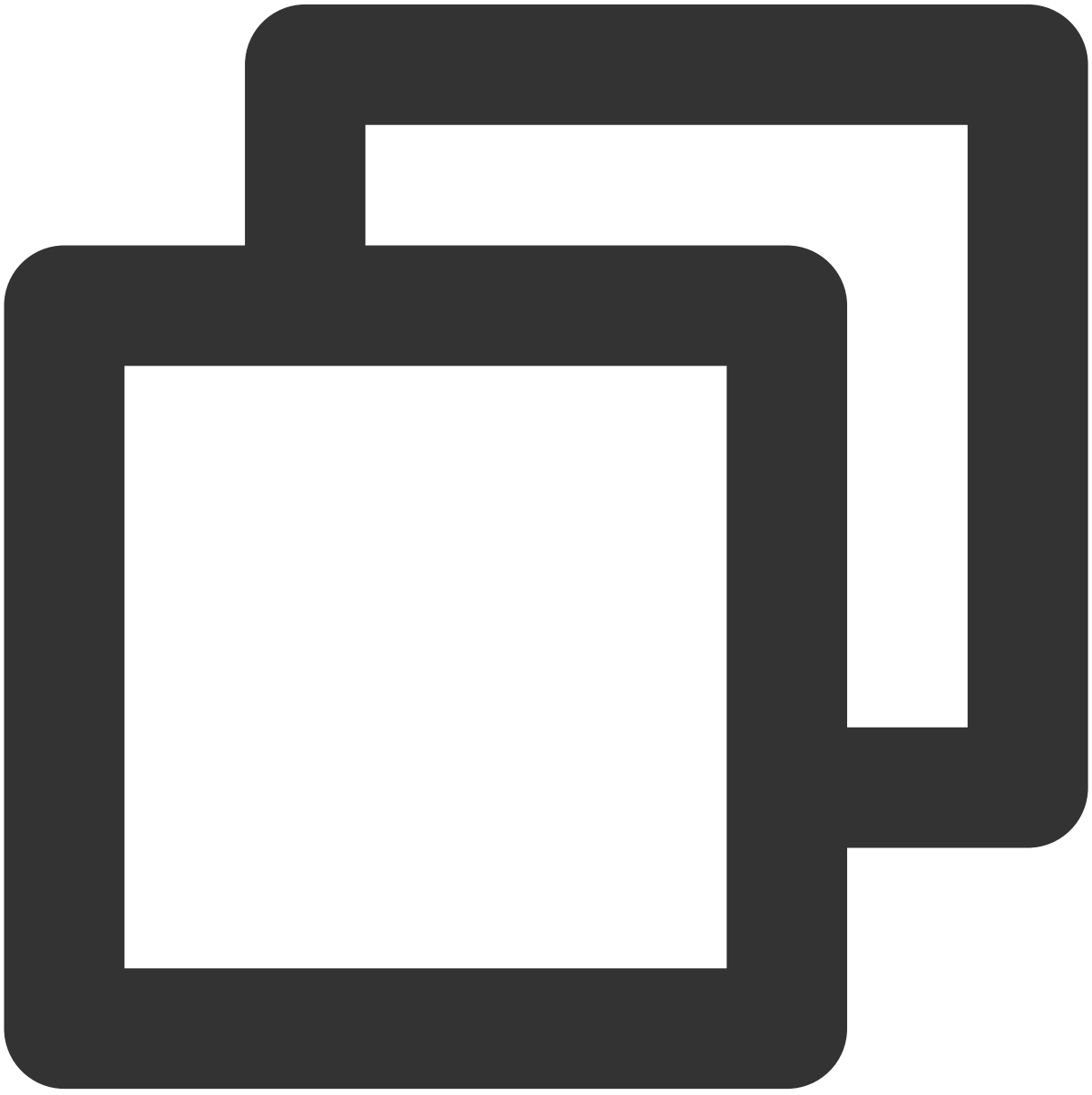
		`1` : force adding `0` : normal adding
EventTime	Integer	Timestamp in milliseconds

Sample response



```
{
  "ActionStatus": "OK",
  "ErrorCode": 0,
```

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```
  "ErrorInfo": "",
  "ResultItem": [
    {
      "To_Account": "id1",
      "ResultCode": 0,
      "ResultInfo": ""
    },
    {
      "To_Account": "id2",
      "ResultCode": 0,
      "ResultInfo": ""
    }
  ]
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. Valid values: `0` : processing by the app backend is successful. Other values: processing by the app backend fails. The Chat backend ignores this error by default. If the processing fails, set the error code to a value in the range of [38000, 39000].
ErrorInfo	String	Yes	Error information
ResultItem	Array	Yes	Processing result from the app backend
To_Account	String	Yes	`UserID` to be added as friend
ResultCode	Integer	Yes	Result code. Valid values: `0` : allow adding as friend. Other values: do not allow adding as friend. To not allow adding as friend, set the result code to a value in the range of [38000, 39000].
ResultInfo	String	Yes	Error information

References

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Third-Party Callback Overview
Adding Friends

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Before a Friend Request Is Responded

Last updated：2024-08-20 17:11:03

Feature Description

This API is used by the app backend to:
View responses to friend requests in real time.
Block malicious responses to friend requests.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user initiates a response to accept or reject a friend request.

Callback Triggering Timing

Chat backend receives a response from an app user to a friend request.
Caution:
Responses initiated via RESTful API calls to friend requests will not trigger the callback.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com`.
Sample:

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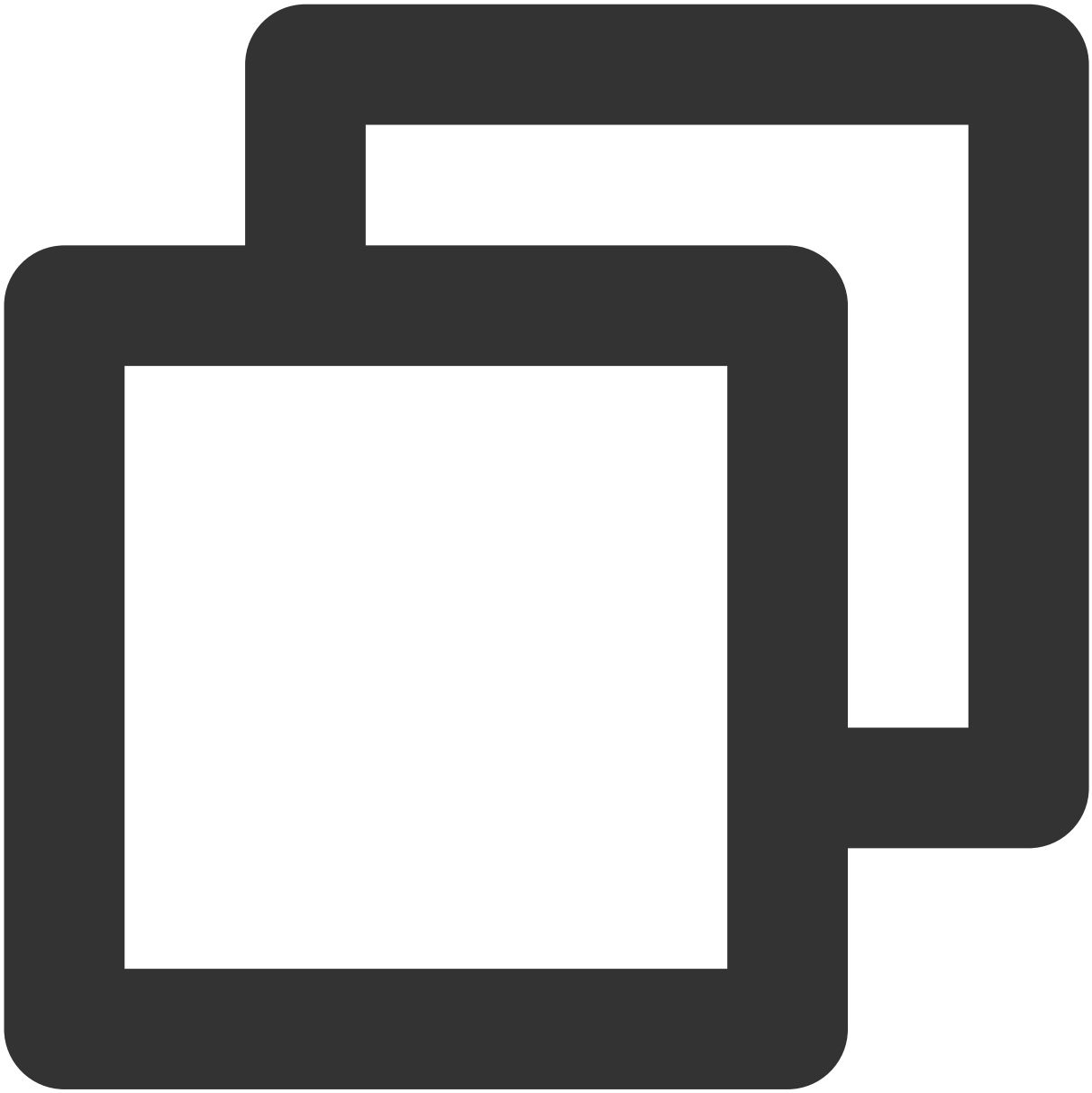

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
www.example.com	Callback URL

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SdkAppid	`SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Always `Sns.CallbackPrevFriendResponse`
contenttype	Always `json`
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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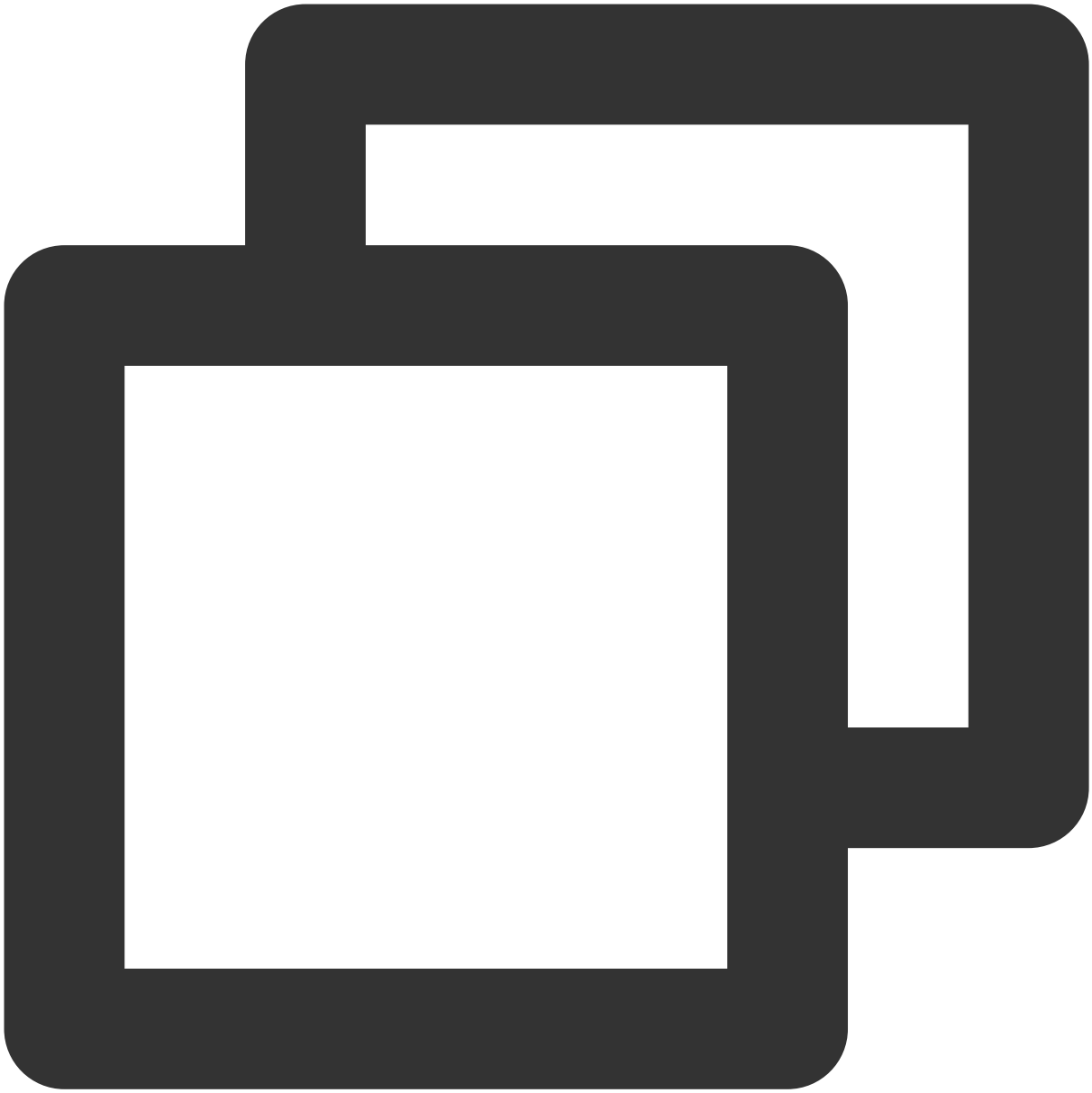

```
{
  "CallbackCommand": "Sns.CallbackPrevFriendResponse",
  "Requester_Account": "id",
  "From_Account": "id",
  "ResponseFriendItem": [
    {
      "To_Account": "id1",
      "Remark": "remark1",
      "TagName": "group1",
      "ResponseAction": "Response_Action_AgreeAndAdd"
    },
```

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```
    {
      "To_Account": "id2",
      "Remark": "remark2",
      "TagName": "group2",
      "ResponseAction": "Response_Action_Reject"
    }
  ],
  "EventTime": 1631777645424
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
Requester_Account	String	`UserID` of the user who initiates the friend request
From_Account	String	`UserID` of the user who responds to the friend request
ResponseFriendItem	Array	Parameter of the response to the friend request
To_Account	String	`UserID` of the user who makes the friend request
Remark	String	Friend remarks set by `From_Account` for `To_Account`. For more information, see the **Standard friend fields** section in Contacts Management.
TagName	String	Friend list set by `From_Account` for `To_Account`. For more information, see the **Standard friend fields** section in Contacts Management.
ResponseAction	String	Response method. Valid values: `Response_Action_AgreeAndAdd`: accept the friend request and add the other party as friend. `Response_Action_Agree`: agree to let the other party add you as friend. `Response_Action_Reject`: reject the friend request.
EventTime	Integer	Timestamp in milliseconds

Sample response

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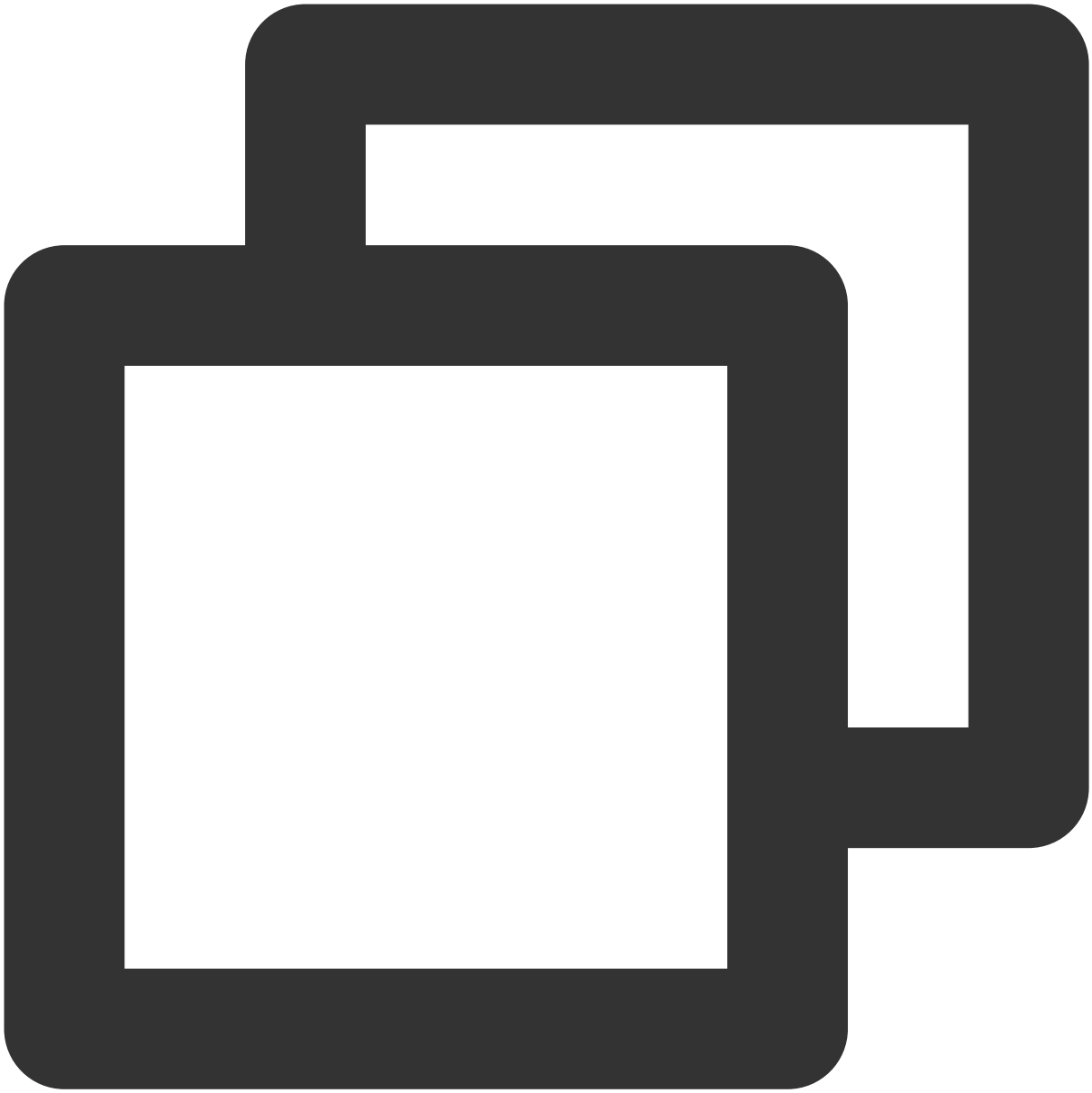


```
{
  "ActionStatus": "OK",
  "ErrorCode": 0,
  "ErrorInfo": "",
  "ResultItem": [
    {
      "To_Account": "id1",
      "ResultCode": 0,
      "ResultInfo": ""
    },
    {
```


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```
        "To_Account": "id2",
        "ResultCode": 0,
        "ResultInfo": ""
      }
    ]
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. Valid values: `0` : processing by the app backend is successful. Other values: processing by the app backend fails. The Chat backend ignores this error by default. If the processing fails, set the error code to a value in the range of [38000, 39000].
ErrorInfo	String	Yes	Error information
ResultItem	Array	Yes	Processing result from the app backend
To_Account	String	Yes	`UserID` of the user who initiates the friend request
ResultCode	Integer	Yes	Result code. Valid values: `0` : allow adding as friend. Other values: do not allow adding as friend. To not allow adding as friend, set the result code to a value in the range of [38000, 39000].
ResultInfo	String	Yes	Error information

References

Third-Party Callback Overview

Adding Friends

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After a Friend Is Added

Last updated：2024-08-20 17:11:03

Feature Description

The app backend uses this callback to view information about friends added by users in real time.

Notes

To enable this callback, you must configure the callback URL and toggle on the corresponding protocol. For details on the configuration method, see Third-Party Callback Configuration.
Callback direction: the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related issues, see Third-Party Callback Overview: Security Considerations.

Callback Triggering Scenarios

The app backend uses the RESTful API to initiate a two-way friend addition request, and the peer's friend request verification mode is "AllowAny".
The app backend uses the client to initiate a two-way friend addition request, and the peer's friend verification mode is "AllowAny".
The app backend uses the RESTful API to initiate a one-way friend addition request.
The app backend uses the client to initiate a one-way friend addition request.
After receiving the friend addition request, the app user permits to add the peer as a friend.
The app backend uses the RESTful API to forcibly add a friend.

Callback Triggering Time

This callback is triggered when a friend is successfully added.

Caution:

This callback will not be triggered if the API for importing friends is invoked to add a friend.

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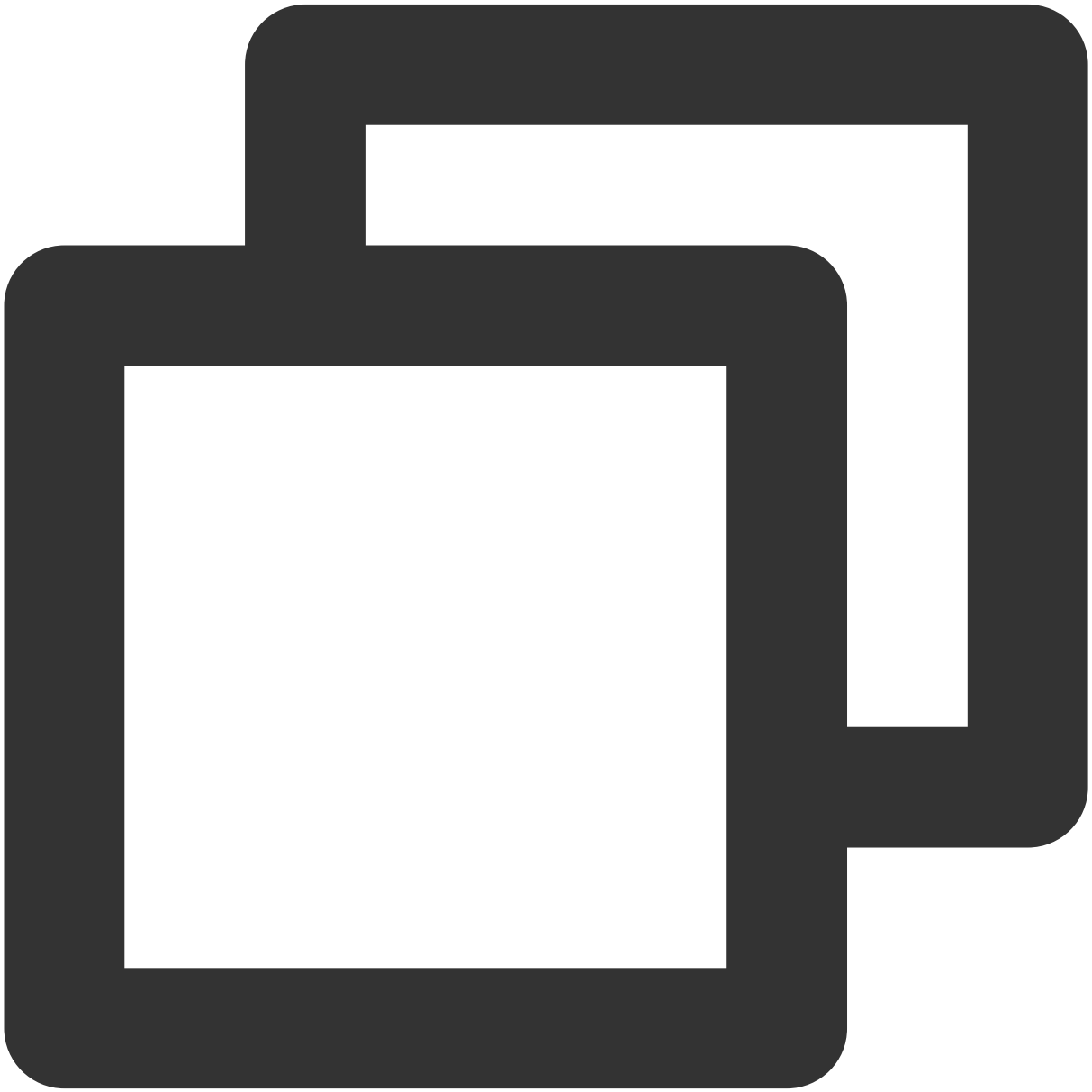
API Description

Request URL example

In the following example, the callback URL configured in the app is `https://www.example.com`.

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

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Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	The callback URL.
SdkAppid	The SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	The value is fixed to Sns.CallbackFriendAdd.
contenttype	The value is fixed to JSON.
ClientIP	The client IP address, whose format is similar to: 127.0.0.1.
OptPlatform	The client platform. For details on the possible values, see the OptPlatform parameter in Third-Party Callback Overview: Callback Protocols.

Request packet example

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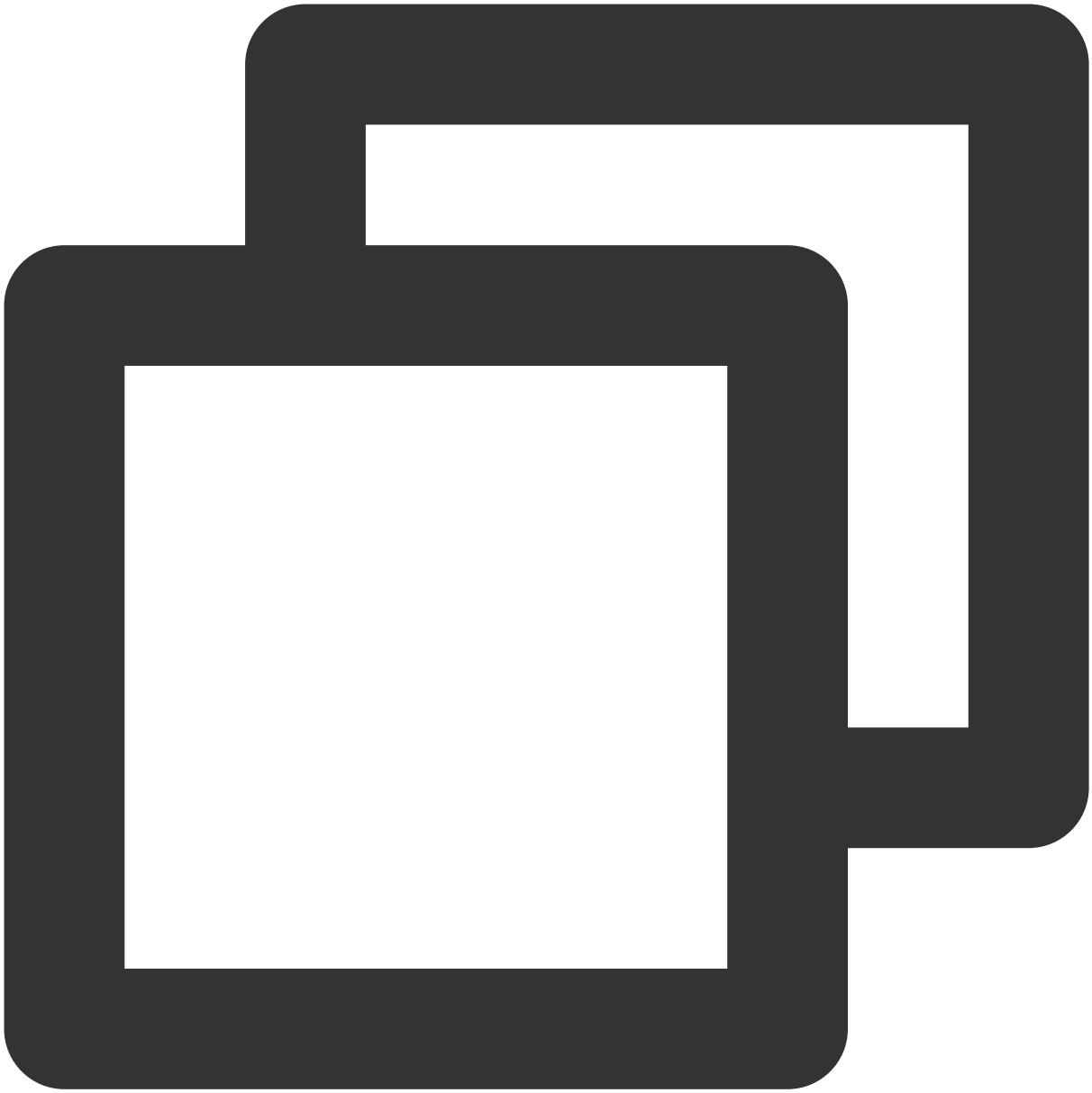

```
{
    "CallbackCommand": "Sns.CallbackFriendAdd",
    "PairList": [
        {
            "From_Account": "id",
            "To_Account": "id1",
            "Initiator_Account": "id"
        },
        {
            "From_Account": "id",
            "To_Account": "id2",
```

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```
            "Initiator_Account": "id"
        },
        {
            "From_Account": "id",
            "To_Account": "id3",
            "Initiator_Account": "id"
        }
    ],
    "ClientCmd":"friend_add",
    "Admin_Account":"",
    "ForceFlag":1
}
```

Request packet fields

Field	Type	Description
CallbackCommand	String	The callback command.
PairList	Array	The friend pair that is successfully added.
From_Account	String	From_Account adds To_Account to the friend list.
To_Account	String	To_Account is added to the friend list of From_Account.
Initiator_Account	String	The UserID of the user who initiates the friend addition request.
ClientCmd	String	The command keyword that triggers the callback: For a friend addition request, valid values are friend_add and FriendAdd. For a friend addition response, valid values are friend_response and FriendResponse.
Admin_Account	String	If the current request is a friend addition request triggered by the backend, this field is set to the admin account. Otherwise, this field is empty.
ForceFlag	Integer	The flag for forcibly adding a friend by the admin. 1: the friend is added forcibly. 0: the friend is added as normal.

Response packet example

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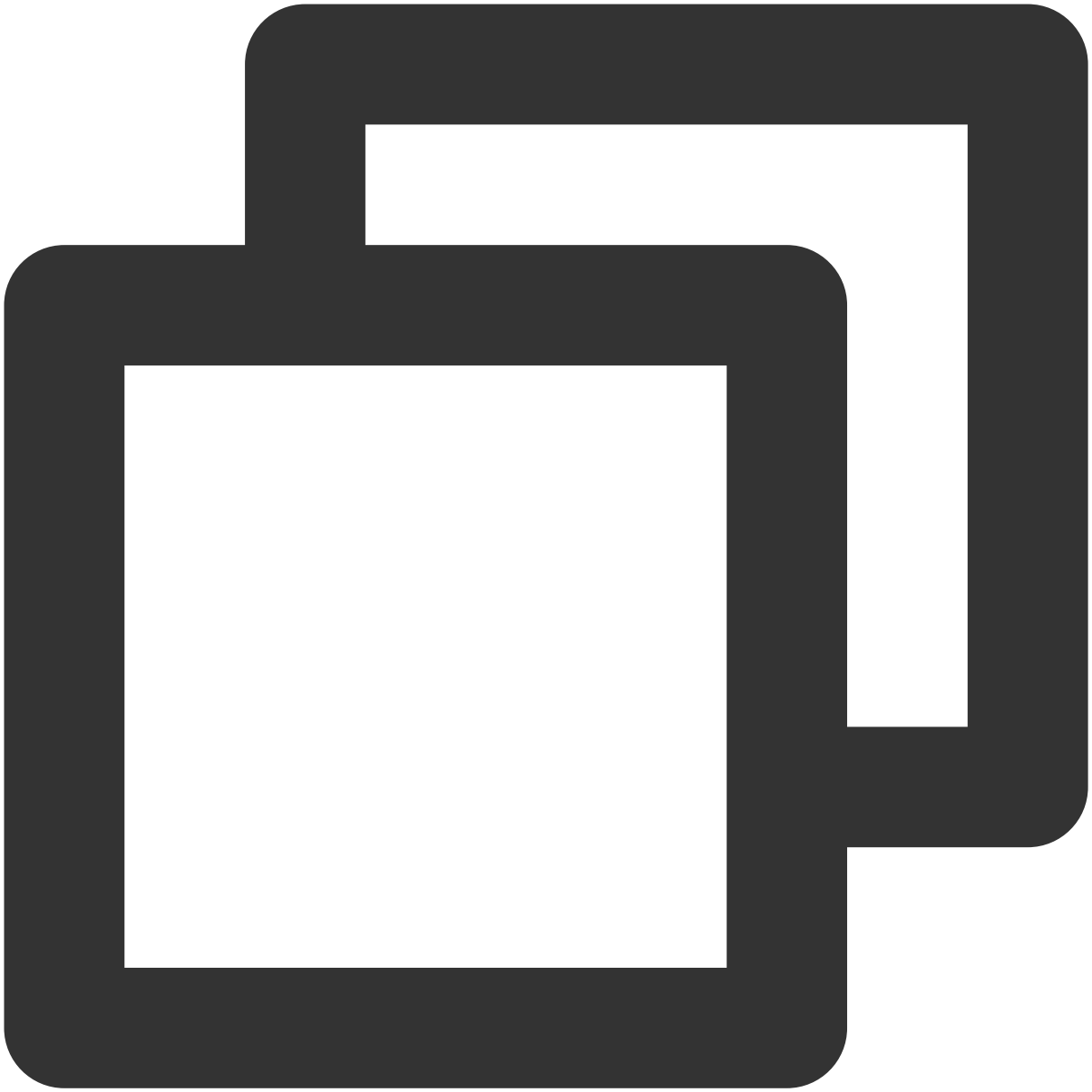

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response packet fields

Field	Type	Attribute	Description

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ActionStatus	String	Required	The request processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	Required	The error code. 0 indicates that the app backend processing succeeded, and 1 indicates that the app backend processing failed.
ErrorInfo	String	Required	Error information.

References

Third-party callback overview

RESTful APIs: Adding a friend

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After a Friend Is Deleted

Last updated：2024-08-20 17:11:03

Feature Description

The app backend can use this callback to view information about deleting friends by users in real time.

Notes

To enable this callback, you must configure the callback URL and toggle on the corresponding protocol. For details on the configuration method, see Third-Party Callback Configuration.
Callback direction: the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related issues, see Third-Party Callback Overview: Security Considerations.

Callback Triggering Scenarios

An app user uses a client to initiate a friend deletion request.
The app backend initiates a friend deletion request through the RESTful API.

Callback Triggering Time

The callback will be performed after the Chat backend receives a friend deletion request and successfully deletes the friend.

API Description

Request URL example

In the following example, the callback URL configured in the app is `https://www.example.com` .
Example:

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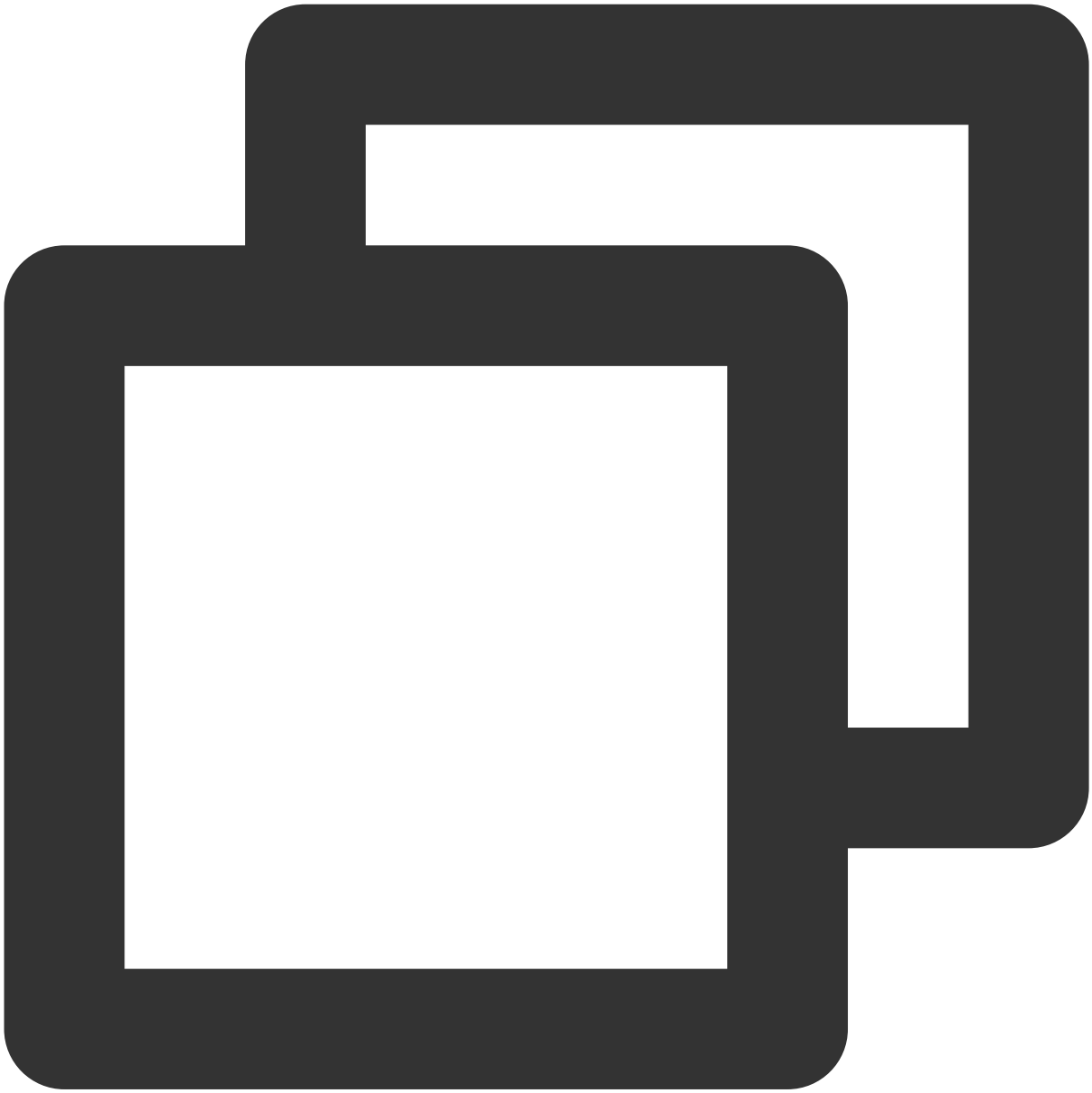

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	The callback URL.

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SdkAppid	The SDKAppID assigned by the IM console when an app is created.
CallbackCommand	The value is fixed to Sns.CallbackFriendDelete.
contenttype	The value is fixed to JSON.
ClientIP	The client IP address, whose format is similar to: 127.0.0.1.
OptPlatform	The client platform. For details on the values, see the **OptPlatform** parameter in Third-Party Callback Overview: Callback Protocols.

Request packet example

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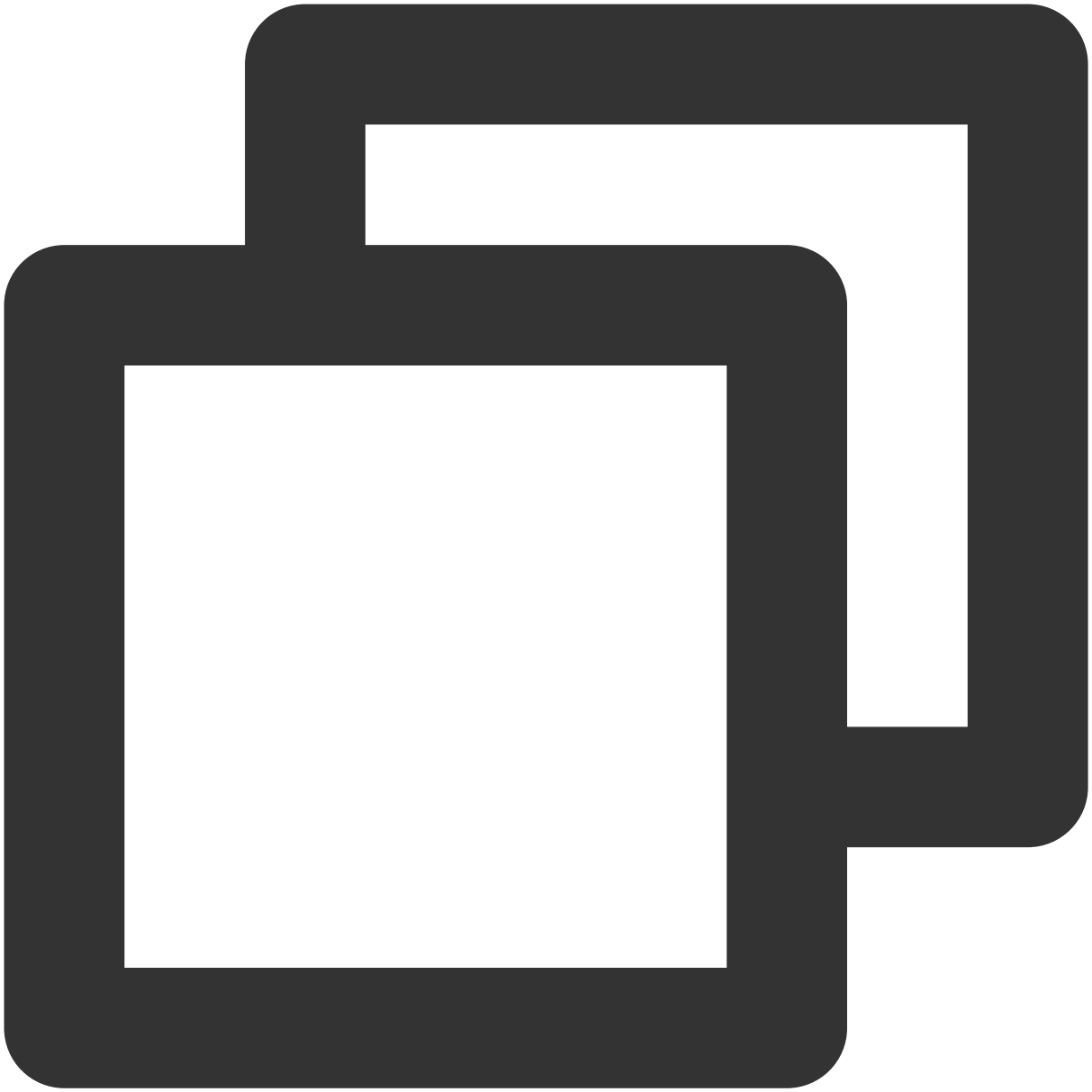

```
{
    "CallbackCommand": "Sns.CallbackFriendDelete",
    "PairList": [
        {
            "From_Account": "id",
            "To_Account": "id1"
        },
        {
            "From_Account": "id",
            "To_Account": "id2"
        },
```

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```
        {
            "From_Account": "id",
            "To_Account": "id3"
        }
    ]
}
```

Request packet fields

Field	Type	Description
CallbackCommand	String	Callback command
PairList	Array	Friends that were successfully deleted
From_Account	String	To_Account is deleted from the friend list of From_Account
To_Account	String	To_Account is deleted from the friend list of From_Account

Response packet example

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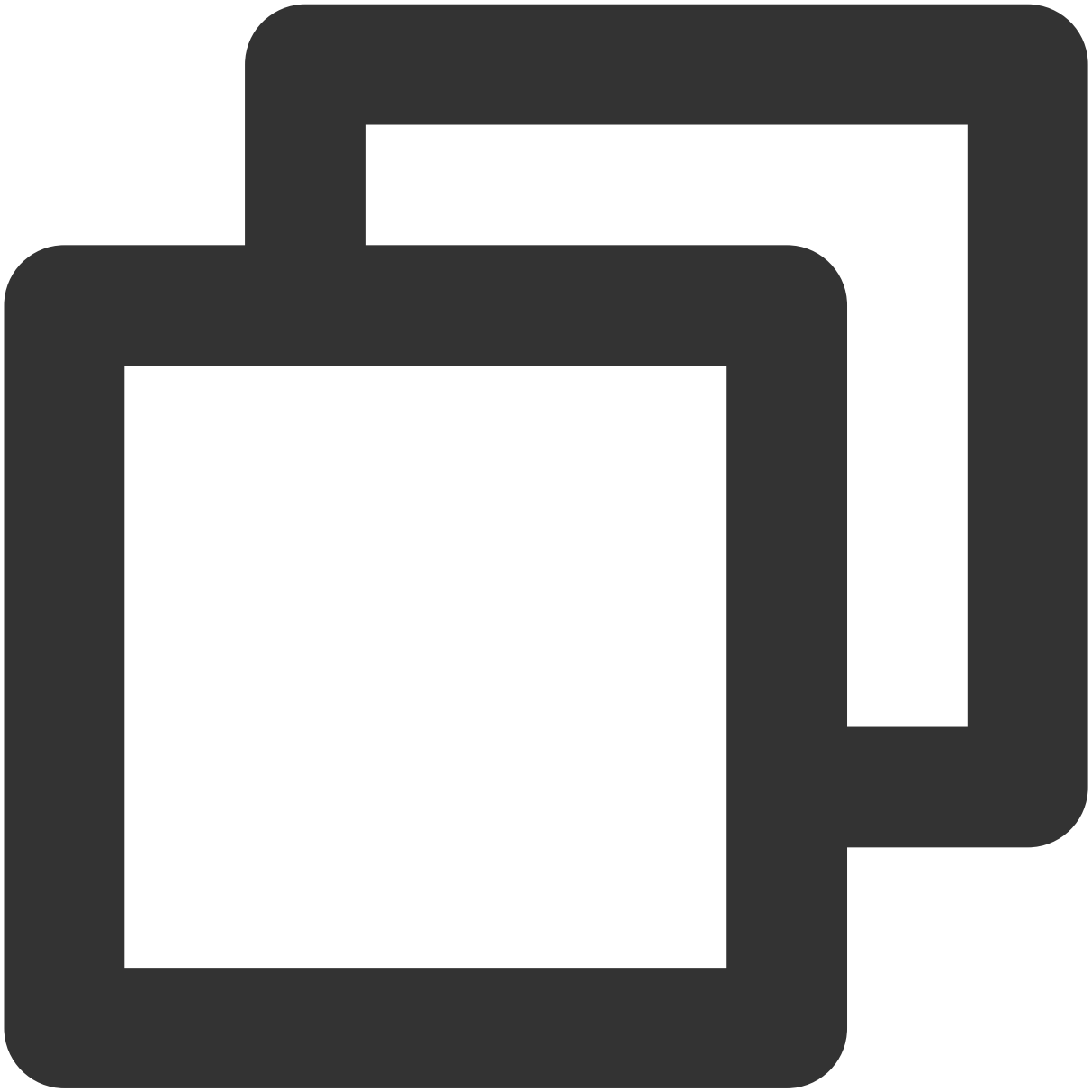

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response packet fields

Field	Type	Attribute	Description

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ActionStatus	String	Required	The request processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	Required	The error code. 0: the app backend processing succeeded. 1: the app backend processing failed.
ErrorInfo	String	Required	Error information.

References

Third-party callback overview

RESTful APIs: Deleting a friend

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After a User Is Added to Blocklist

Last updated：2024-08-20 17:11:03

Feature Description

The app backend uses this callback view information about users added to the blocklist in real time.

Precautions

To enable this callback, you must configure the callback URL and toggle on the corresponding protocol. For details on the configuration method, see Third-Party Callback Configuration.
Callback direction: the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related issues, see Third-Party Callback Overview: Security Considerations.

Callback Triggering Scenarios

An app user uses the client to initiate a request for adding a user to the blocklist.
The app backend initiates a request for adding a user to the blocklist through the RESTful API.

Callback Triggering Time

The callback is triggered when the Chat backend receives a request for adding a user to the blocklist and successfully adds the user to the blocklist.

API Description

Request URL example

In the following example, the callback URL configured in the app is `https://www.example.com` .
Example:

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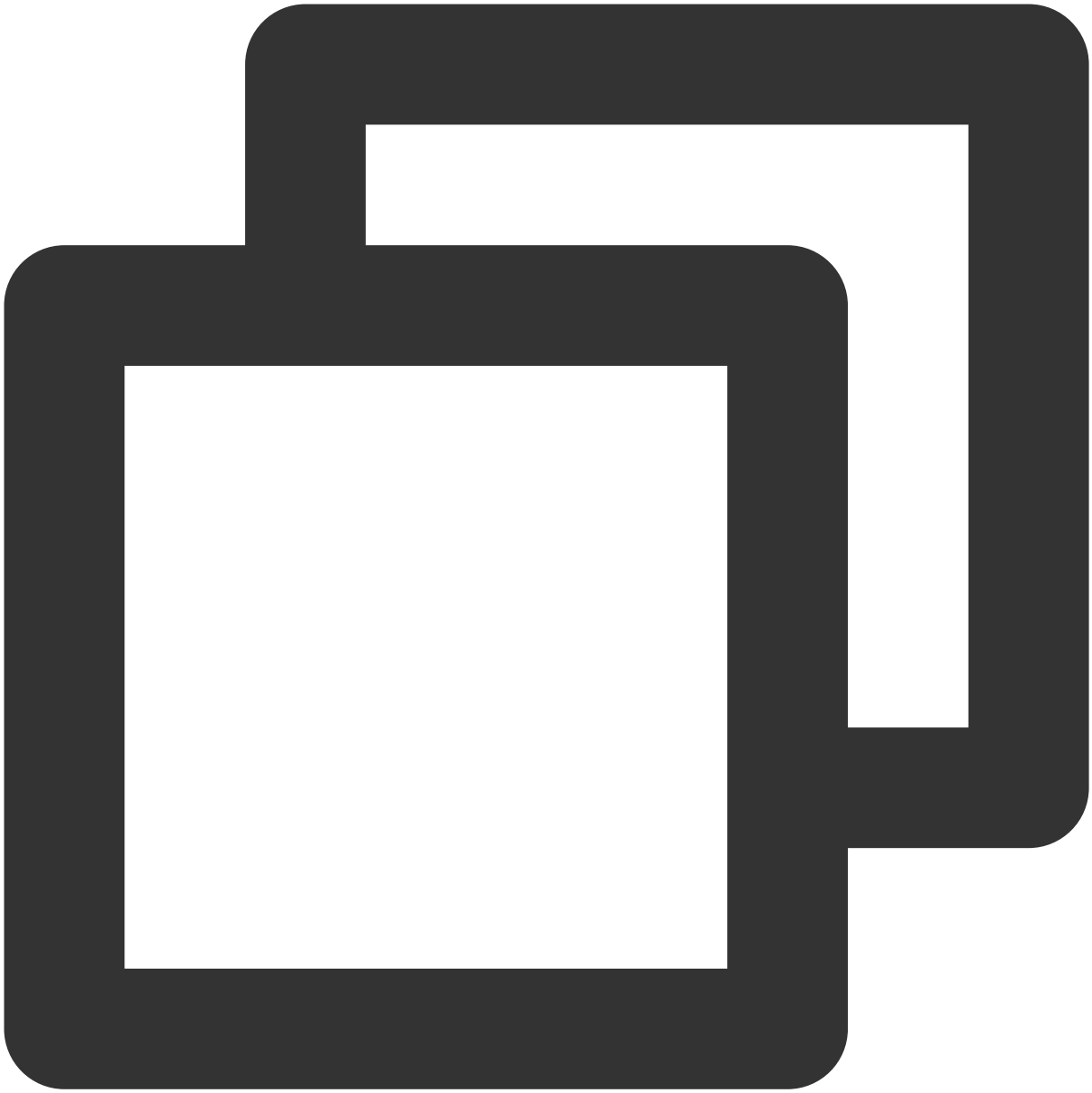

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	The callback URL.

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SdkAppid	The SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	The value is fixed to Sns.CallbackBlackListAdd.
contenttype	The value is fixed to JSON.
ClientIP	The client IP address, whose format is similar to: 127.0.0.1.
OptPlatform	The client platform. For details on the possible values, see the OptPlatform parameter in Third-Party Callback Overview: Callback Protocols.

Request packet example

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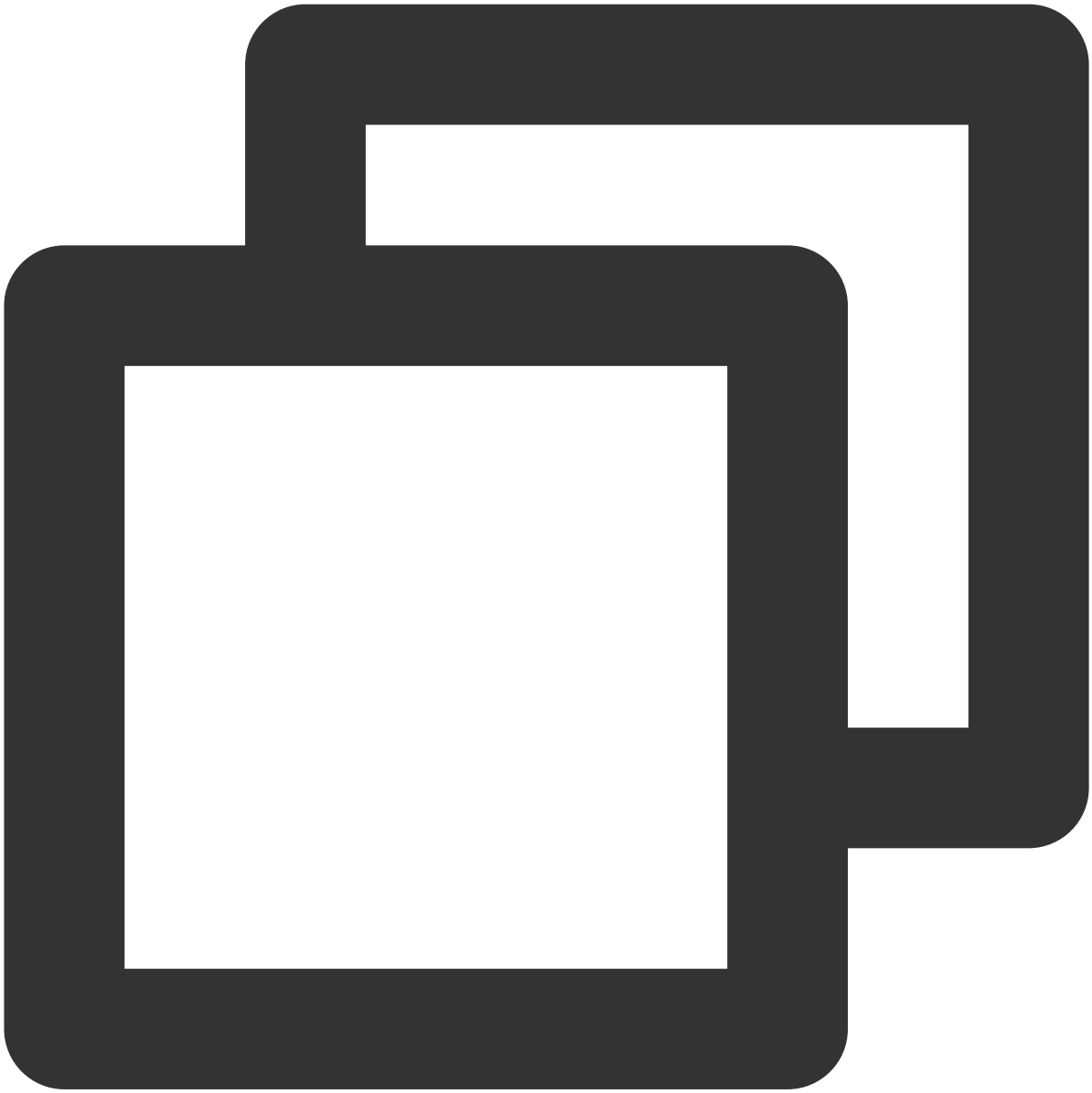

```
{
    "CallbackCommand": "Sns.CallbackBlackListAdd",
    "PairList": [
        {
            "From_Account": "id",
            "To_Account": "id1"
        },
        {
            "From_Account": "id",
            "To_Account": "id2"
        },
```

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```
        {
            "From_Account": "id",
            "To_Account": "id3"
        }
    ]
}
```

Request packet fields

Field	Type	Description
CallbackCommand	String	The callback command.
PairList	Array	The blocklist contacts pair that is successfully added.
From_Account	String	From_Account adds To_Account to the blocklist.
To_Account	String	To_Account is added to the blocklist of From_Account.

Response packet example

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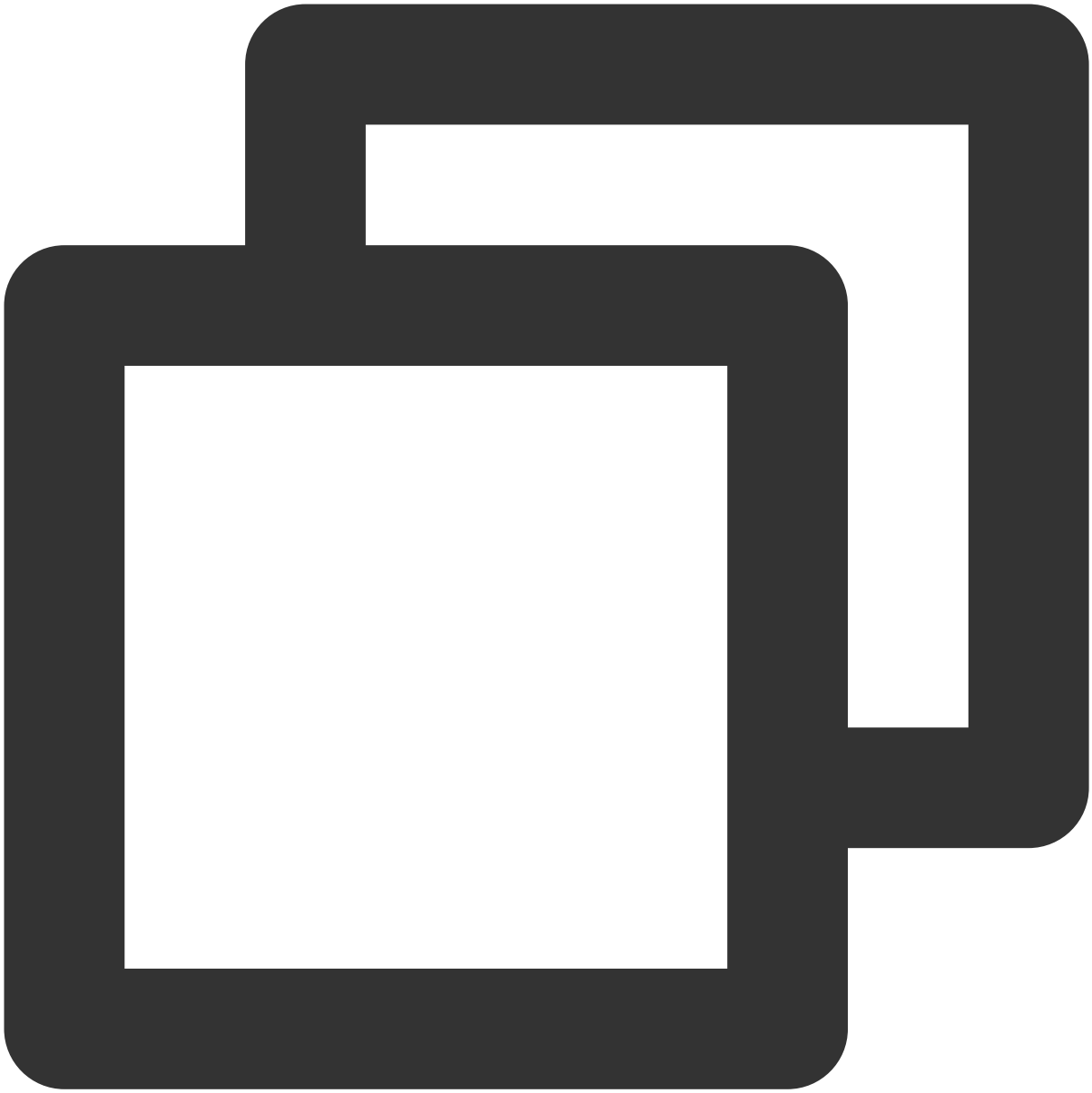

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response packet fields

Field	Type	Attribute	Description

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ActionStatus	String	Required	The request processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	Required	The error code. 0 indicates that the app backend processing succeeded, and 1 indicates that the app backend processing failed.
ErrorInfo	String	Required	Error information.

References

Third-Party callback overview

RESTful APIs: Adding users to the blocklist

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After a User Is Removed from Blocklist

Last updated：2024-08-20 17:11:03

Feature Description

Through this callback, the app backend can view the user deletion from blocklist in real time.

Precautions

To enable this callback, you must configure the callback URL and toggle on the corresponding protocol. For details on the configuration method, see Third-Party Callback Configuration.
Callback direction: The Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related issues, see Third-Party Callback Overview: Security Considerations.

Callback Triggering Scenarios

An app user uses a client to initiate a request to remove users from blocklist.
The app backend initiates a request to remove users from blocklist through the RESTful API.

Callback Triggering Time

The callback is triggered after the Chat backend receives a request to remove users from blocklist and successfully remove the users.

API Description

Request URL example

In the following example, the callback URL configured in the app is `https://www.example.com` .
Example:

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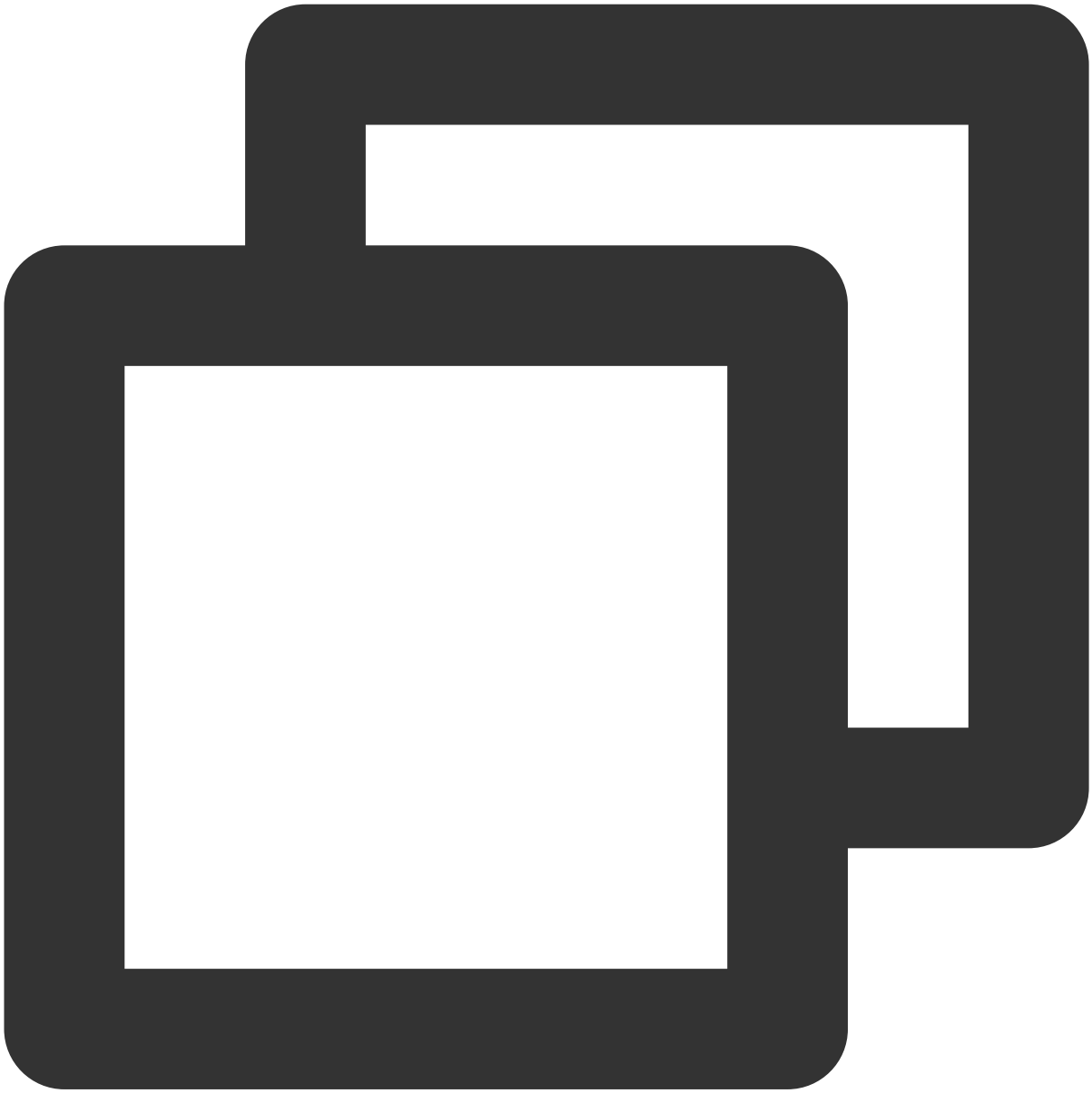

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	The callback URL.

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SdkAppid	The SDKAppID assigned by the Chat console when an application is created.
CallbackCommand	The value is fixed to Sns.CallbackBlackListDelete.
contenttype	The value is fixed to JSON.
ClientIP	The client IP address, whose format is similar to: 127.0.0.1.
OptPlatform	The client platform. For details on the possible values, see the OptPlatform parameter in Third-Party Callback Overview: Callback Protocols.

Request packet example

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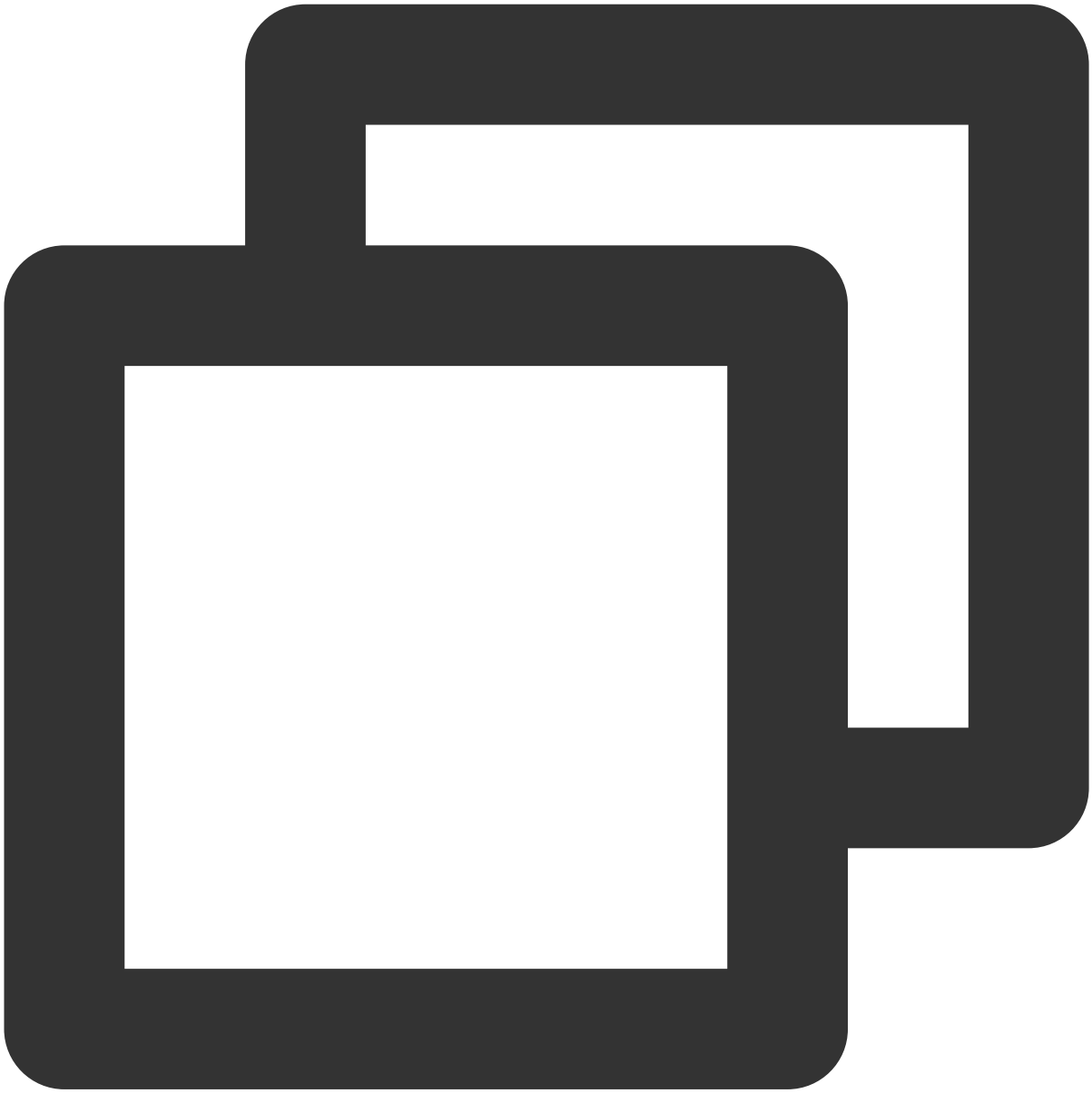

```
{
    "CallbackCommand": "Sns.CallbackBlackListDelete",
    "PairList": [
        {
            "From_Account": "id",
            "To_Account": "id1"
        },
        {
            "From_Account": "id",
            "To_Account": "id2"
        },
```

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```
        {
            "From_Account": "id",
            "To_Account": "id3"
        }
    ]
}
```

Request packet fields

Field	Type	Description
CallbackCommand	String	The callback command.
PairList	Array	The account pair for which the deletion from blocklist is successful.
From_Account	String	From_Account deletes To_Account from its blocklist.
To_Account	String	To_Account is deleted from the blocklist of From_Account.

Response packet example

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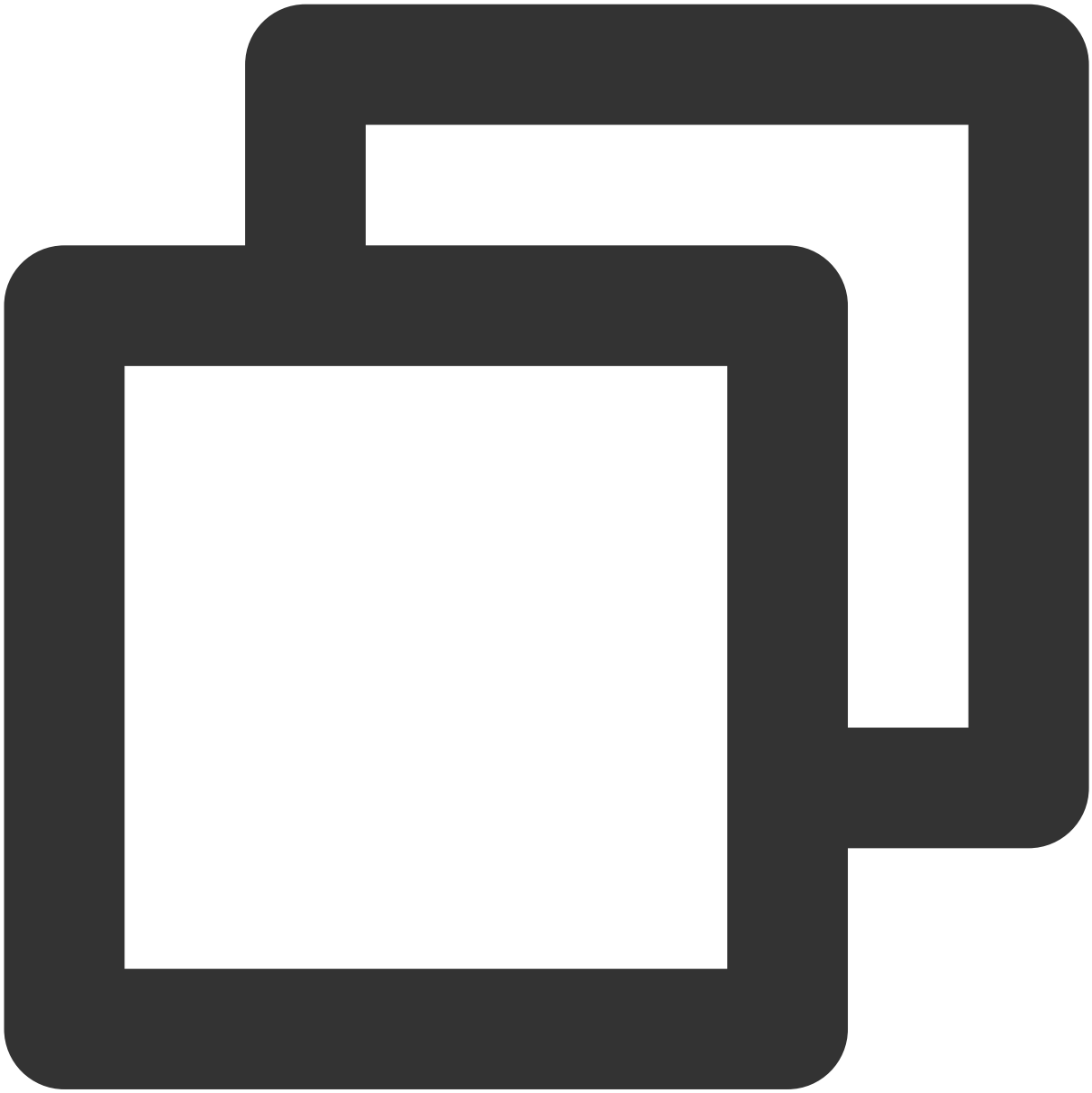

```
{
    "ActionStatus": "OK",
    "ErrorCode": 0,
    "ErrorInfo": ""
}
```

Response packet fields

Field	Type	Attribute	Description

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ActionStatus	String	Required	The request processing result. OK: succeeded. FAIL: failed.
ErrorCode	Integer	Required	The error code. 0 indicates that app backend processing was successful, and 1 indicates that app backend processing failed.
ErrorInfo	String	Required	Error information.

References

Third-party callback overview

RESTful APIs: Adding users to the blocklist

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One-to-One Message Webhooks
Before a One-to-One Message Is Sent

Last updated：2024-06-25 16:45:54

Overview

This webhook is used by the app backend to manage users' one-to-one messages in real time, including:
Records one-to-one messages sent in real time, for example, by recording a log or synchronizing the messages to other systems.
Blocks users' requests to send non-compliant messages of any type, such as text, image, and custom messages.
Note:
The timeout period of the webhook before message sending is two seconds by default, and we recommend you not adjust it. This webhook may time out when used for text moderation.

Limits

To enable this webhook, you must configure the webhook URL and enable the corresponding switch for this webhook. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTPS POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the SDKAppID of the app.
If the webhook before sending one-to-one messages and the webhook after sending one-to-one messages are both enabled and forbidding message sending is returned for the webhook before sending one-to-one messages, the webhook after sending one-to-one messages cannot be triggered.
If the webhook before sending one-to-one messages and the webhook after sending one-to-one messages are both enabled and the message body is modified during the webhook before sending one-to-one messages, the webhook after sending one-to-one messages will use the modified message for webhook.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

An app user sends a one-to-one message on the client.
The app admin sends a one-to-one message by calling the `sendmsg` RESTful API.

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Webhook Triggering Timing

The Chat backend has received a one-to-one message sent by a user but has not delivered the message to the target user.

API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .

Example:

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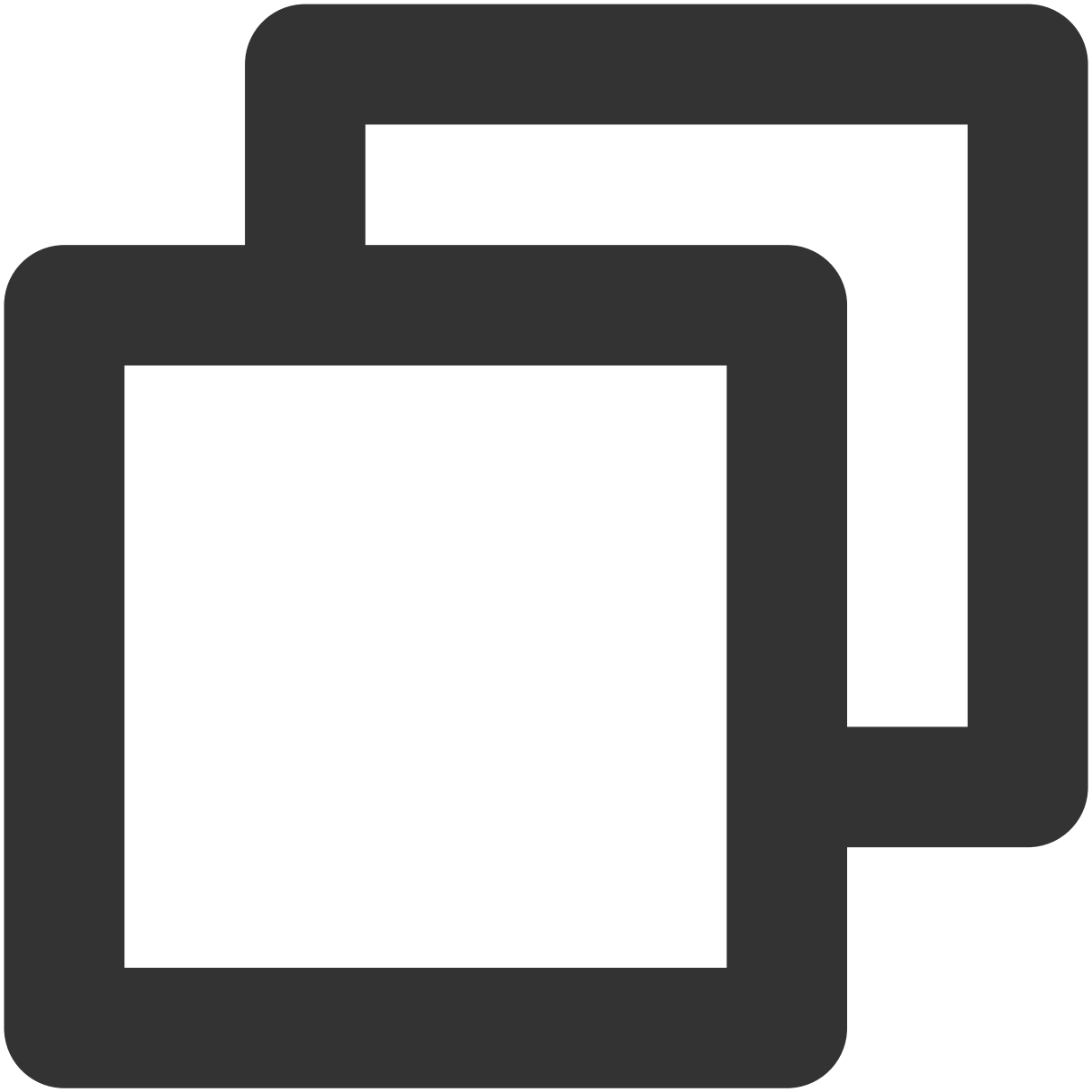

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
[www.example.com] (http://www.example.com)	Callback URL

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SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	The value is always `C2C.CallbackBeforeSendMsg` .
contenttype	Always `json`
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Overview.

Sample requests

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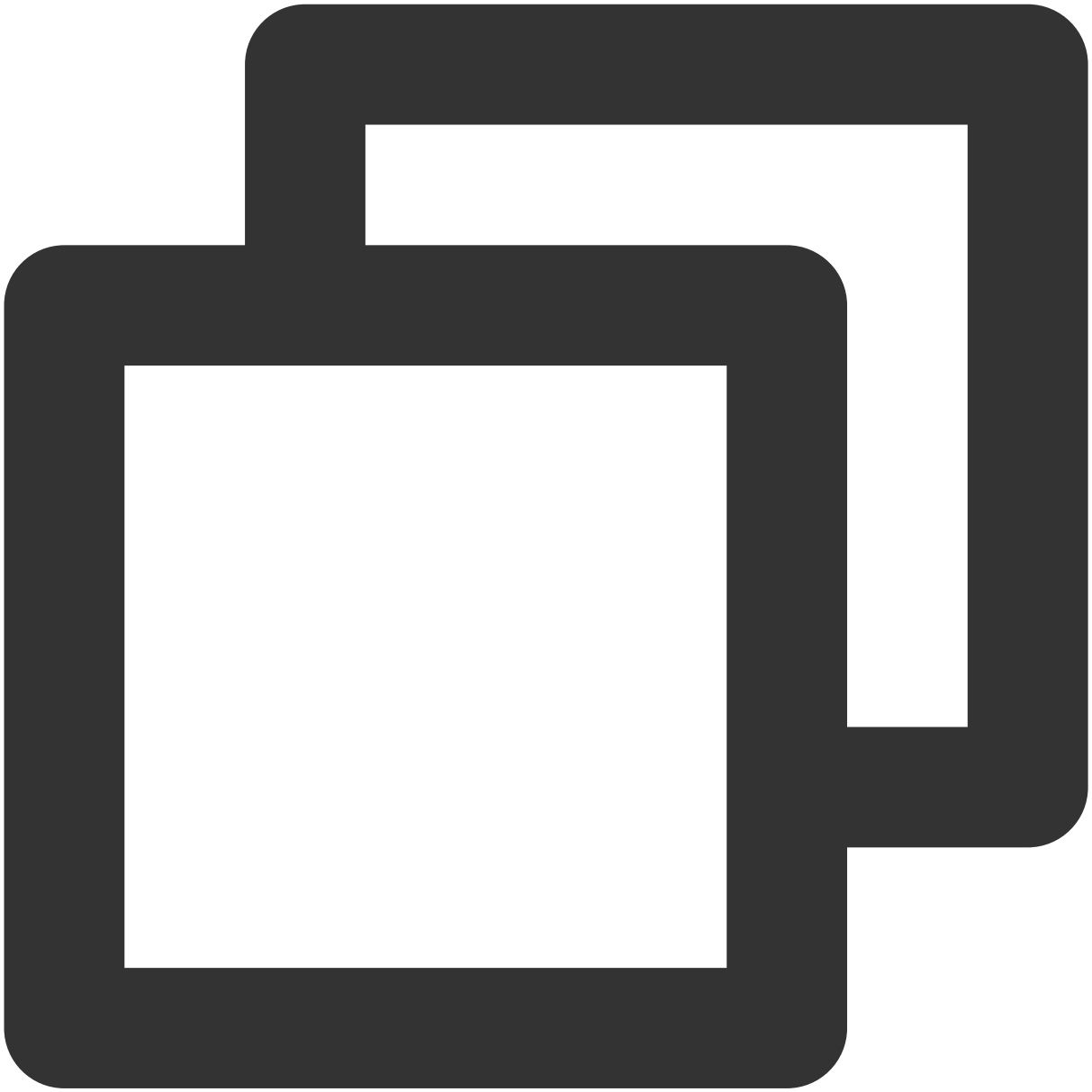

```
{
    "CallbackCommand": "C2C.CallbackBeforeSendMsg", // Webhook command
    "From_Account": "jared", // Sender
    "To_Account": "John", // Recipient
    "MsgSeq": 48374, // Sequence number of the message
    "MsgRandom": 2837546, // Random number of the message
    "MsgTime": 1557481126, // Timestamp in seconds indicating when the message is s
    "MsgKey": "48374_2837546_1557481126", // Unique identifier of the message. It c
    "OnlineOnlyFlag":1, // The value is `1` if it is an online message and `0` if i
    "MsgBody": [ // Message body. For more information, see the `TIMMessage` messag
        {
```

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```
            "MsgType": "TIMTextElem", // Text
            "MsgContent":{
                "Text": "red packet"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command
From_Account	String	`UserID` of the message sender
To_Account	String	`UserID` of the message recipient
MsgSeq	Integer	Sequence number of the message. It is used to identify the message and the value is a random 32-bit unsigned integer.
MsgRandom	Integer	Random number of the message. It is used to identify the message and the value is a random 32-bit unsigned integer.
MsgTime	Integer	Timestamp in seconds indicating when the message is sent. One-to-one messages are preferentially sorted by `MsgTime`. Messages sent in the same second are sorted by `MsgSeq`. Messages with larger values of `MsgSeq` are after those with smaller values.
MsgKey	String	Unique identifier of the message. It can be used to recall the message via a RESTful API call.
OnlineOnlyFlag	Integer	The value is `1` if it is an online message and `0` if it's not.
MsgBody	Array	Message body. For more information, see Message Formats.
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.

Sample response when sending messages is allowed

The user is allowed to send group messages, and the content of the message is not modified.

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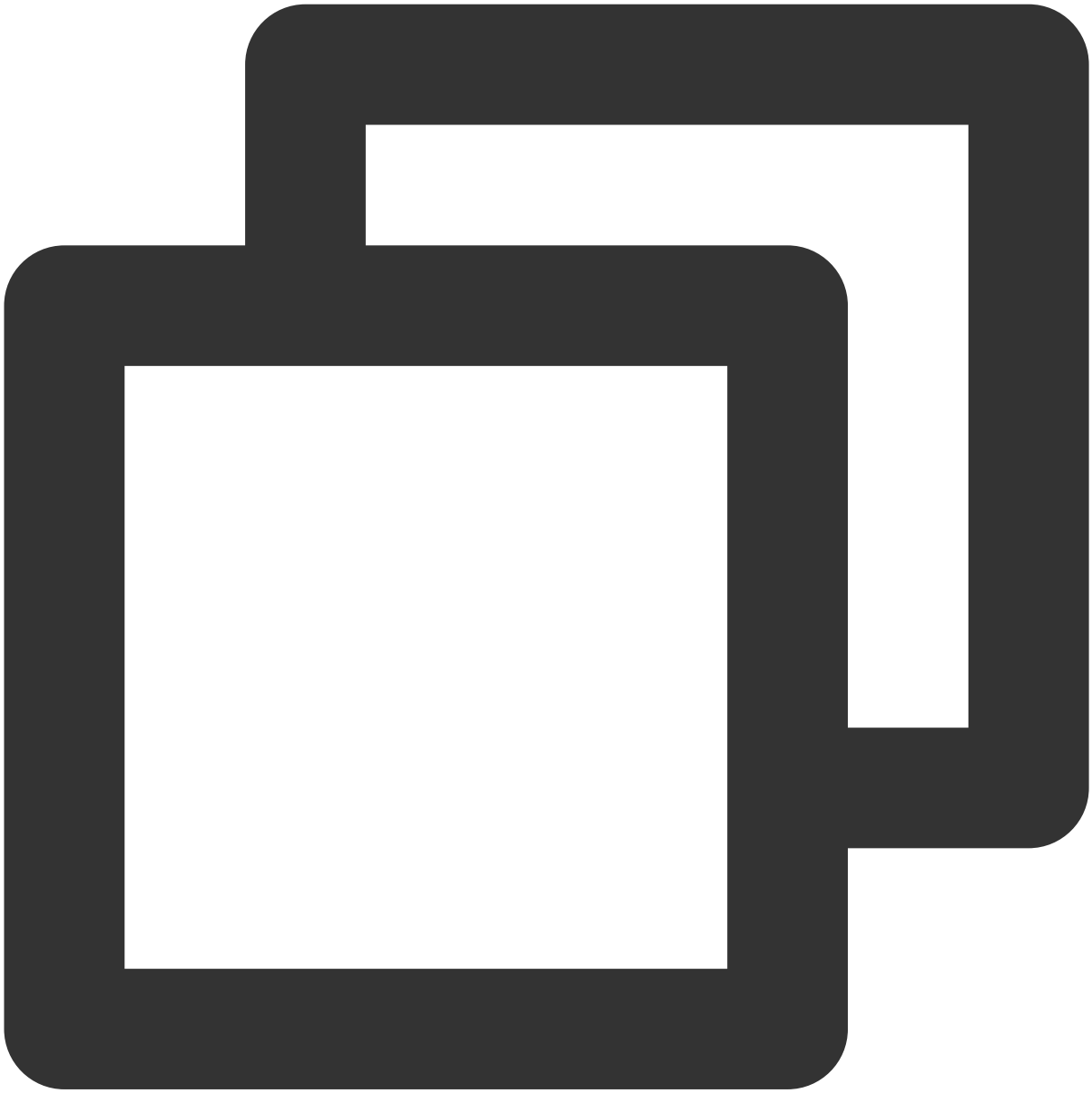

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // `0` indicates the user is allowed to send messages.
}
```

Sample response when sending messages is forbidden

The user is not allowed to send group messages. In this case, the message is not sent, and the error code `20006` is returned to the user (message sender).

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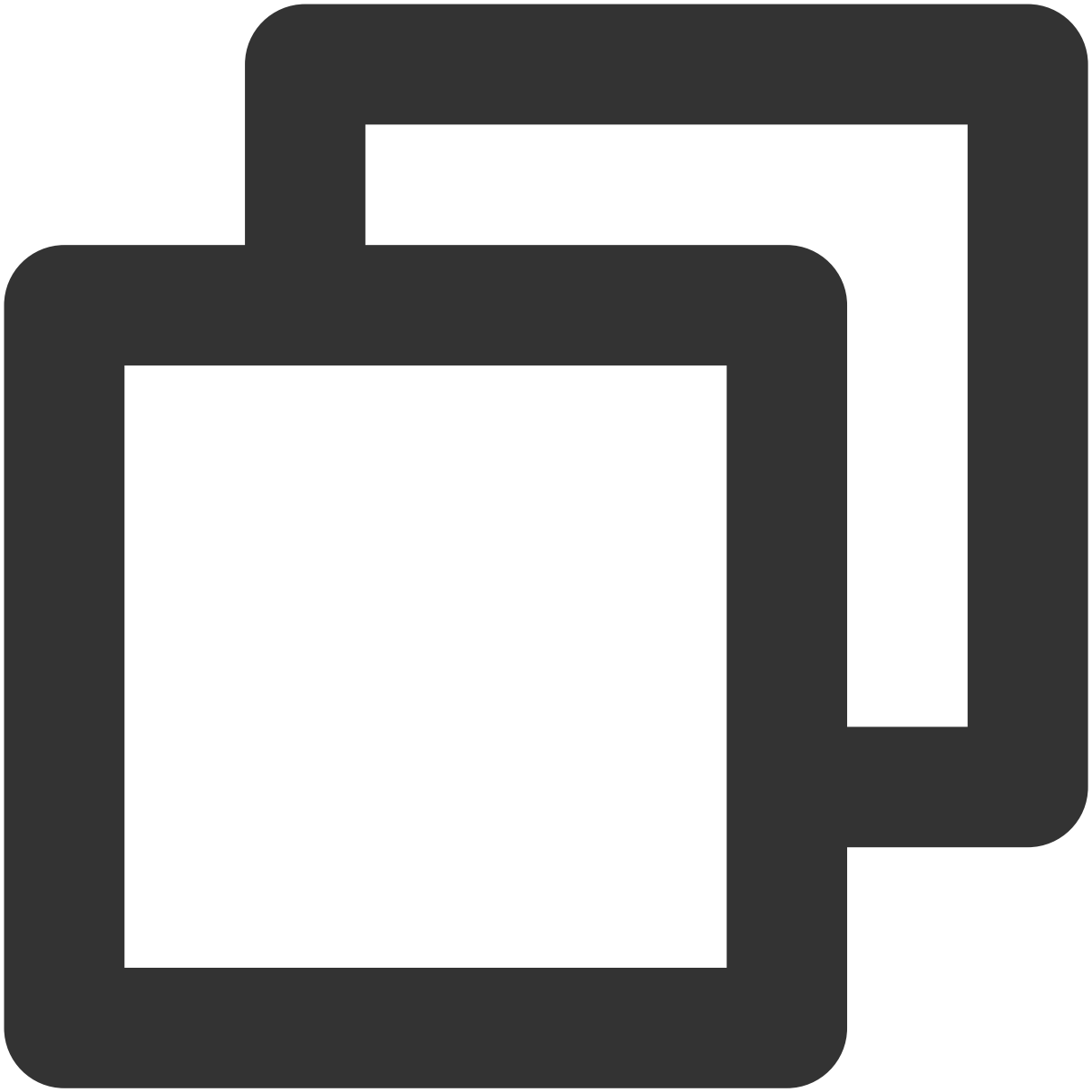

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // `1` indicates that the user is not allowed to send messages.
}
```

Sample response when messages are discarded silently

The user is not allowed to send group messages. In this case, the message is not sent, but a success message will be returned to the sender.

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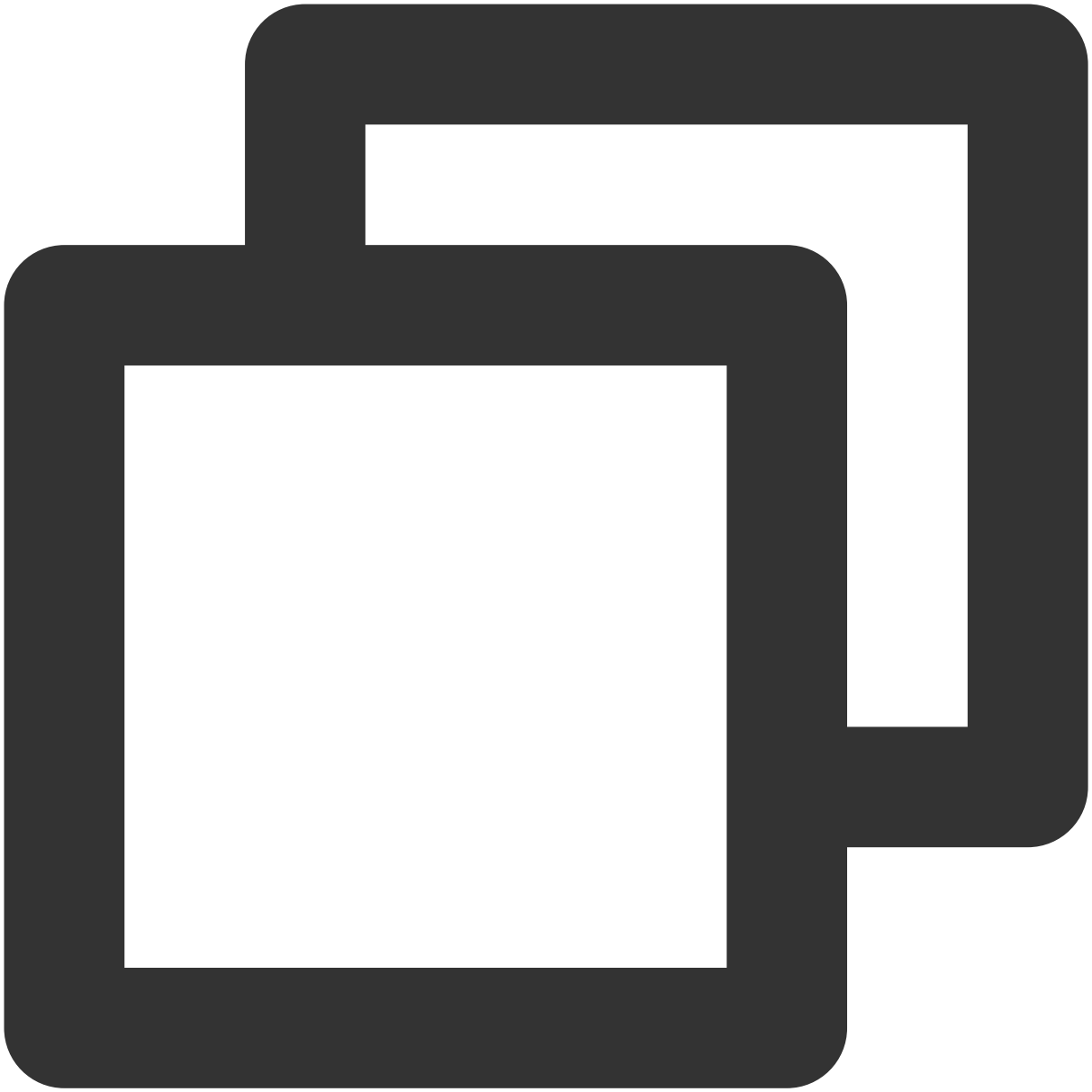

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 2 // The value `2` indicates the message is silently discarded.
}
```

Sample response when the message content is modified

In the following sample, the message sent by the user is modified (a custom message or custom message data is added), and the Chat backend will send the modified message. With this feature, the app backend can add special

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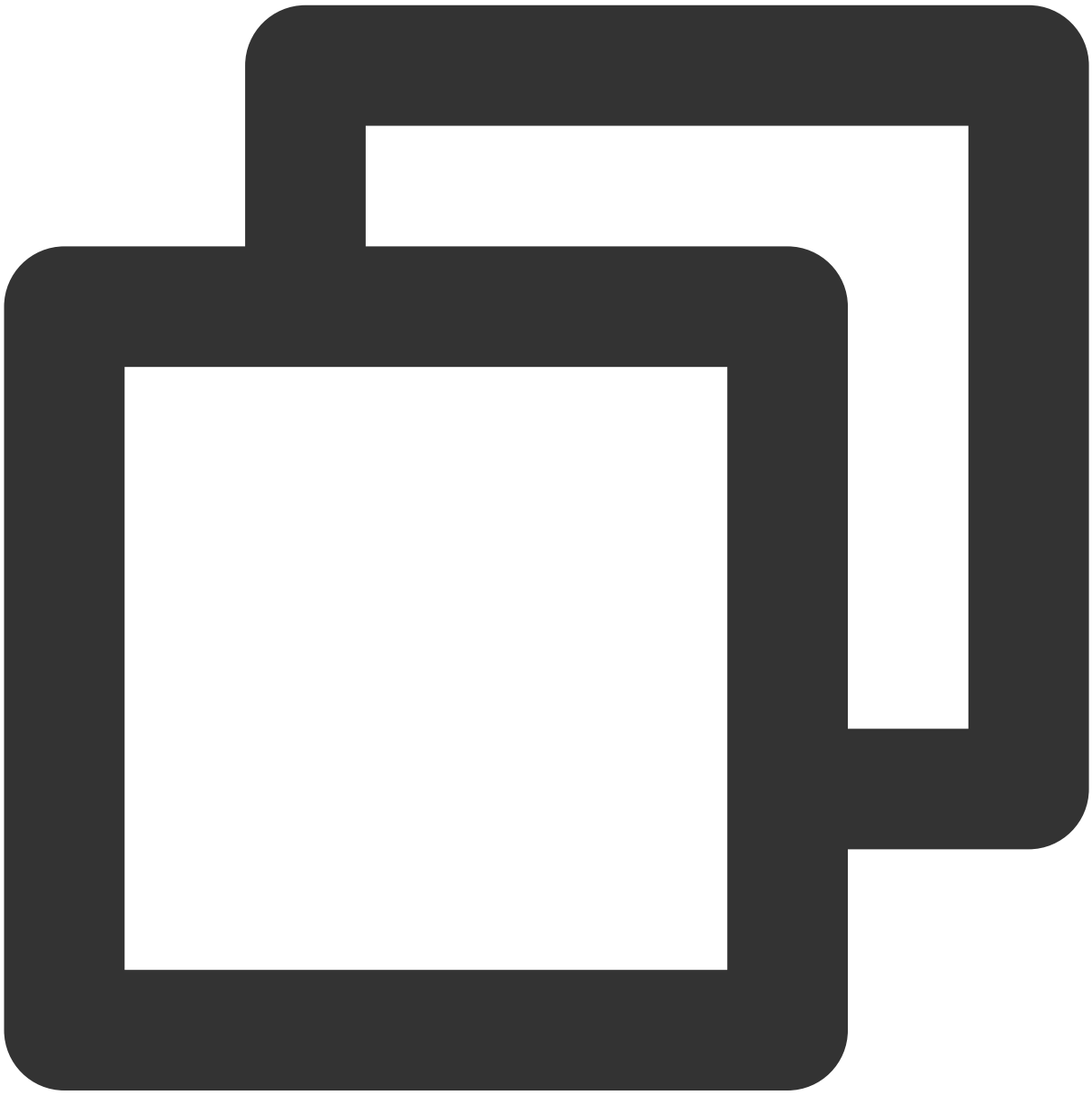
content, such as the user level and title, to the message sent by the user.

Example:



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0, // This field must be set to `0` so that the modified message c
    "MsgBody": [ // Message modified by the app backend. If the app backend does no
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent":{
```

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```
                "Text": "red packet"
            }
        },
        {
            "MsgType": "TIMCustomElem", // Custom message
            "MsgContent":{
                "Desc": " CustomElement.MemberLevel ", // Description
                "Data": " LV1" // Data
            }
        }
    ],
    "CloudCustomData": "your new cloud custom data" // Custom message data
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code returned. `0` : allows message sending; `1` : forbids message sending; `2` : discards the message silently. If the business side wants to forbid a user to send messages and send `ErrorCode` and `ErrorInfo` to the client, ensure that the value of `ErrorCode` is set within the range of [120001, 130000].
ErrorInfo	String	Yes	Error information
MsgBody	Array	No	Message body modified by the app backend. The Chat backend sends the modified message to the recipient. For more information on the format, see Message Formats.
CloudCustomData	String	No	Custom message data modified by the app backend. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled. The Chat backend sends the modified message to the recipient.

References

Webhook Overview

After One-to-One Message Is Sent

Sending One-to-One Messages to One User

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Sending One-to-One Messages to Multiple Users

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After a One-to-One Message Is Sent

Last updated：2024-06-25 16:45:14

Feature Description

This API is used by the app backend to operate users' one-to-one messages in real time, including:
Records one-to-one messages in real time, for example, by recording a log or synchronizing the messages to other systems.
Collects statistics on one-to-one messages, for example, in terms of the number of users or the number of messages.

Notes

To enable this callback, you must configure the callback URL and enable the corresponding switch for this callback. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTPS POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
If the callback before sending one-to-one messages and the callback after sending one-to-one messages are both enabled and forbidding message sending is returned for the callback before sending one-to-one messages, the callback after sending one-to-one messages cannot be triggered.
If the callback before sending one-to-one messages and the callback after sending one-to-one messages are both enabled and the message body is modified during the callback before sending one-to-one messages, the callback after sending one-to-one messages will use the modified message for callback.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Trigger Scenarios

An app user sends a one-to-one message on the client.
The app admin sends a one-to-one message by calling the `sendmsg` RESTful API.

Callback Trigger Time

The callback is triggered after the IM backend receives a one-to-one message sent by a user and sends the message to the target user.

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Note:

If the IM backend fails to send the message, for example, due to filtering of restricted words, the callback is still triggered.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .

Example:

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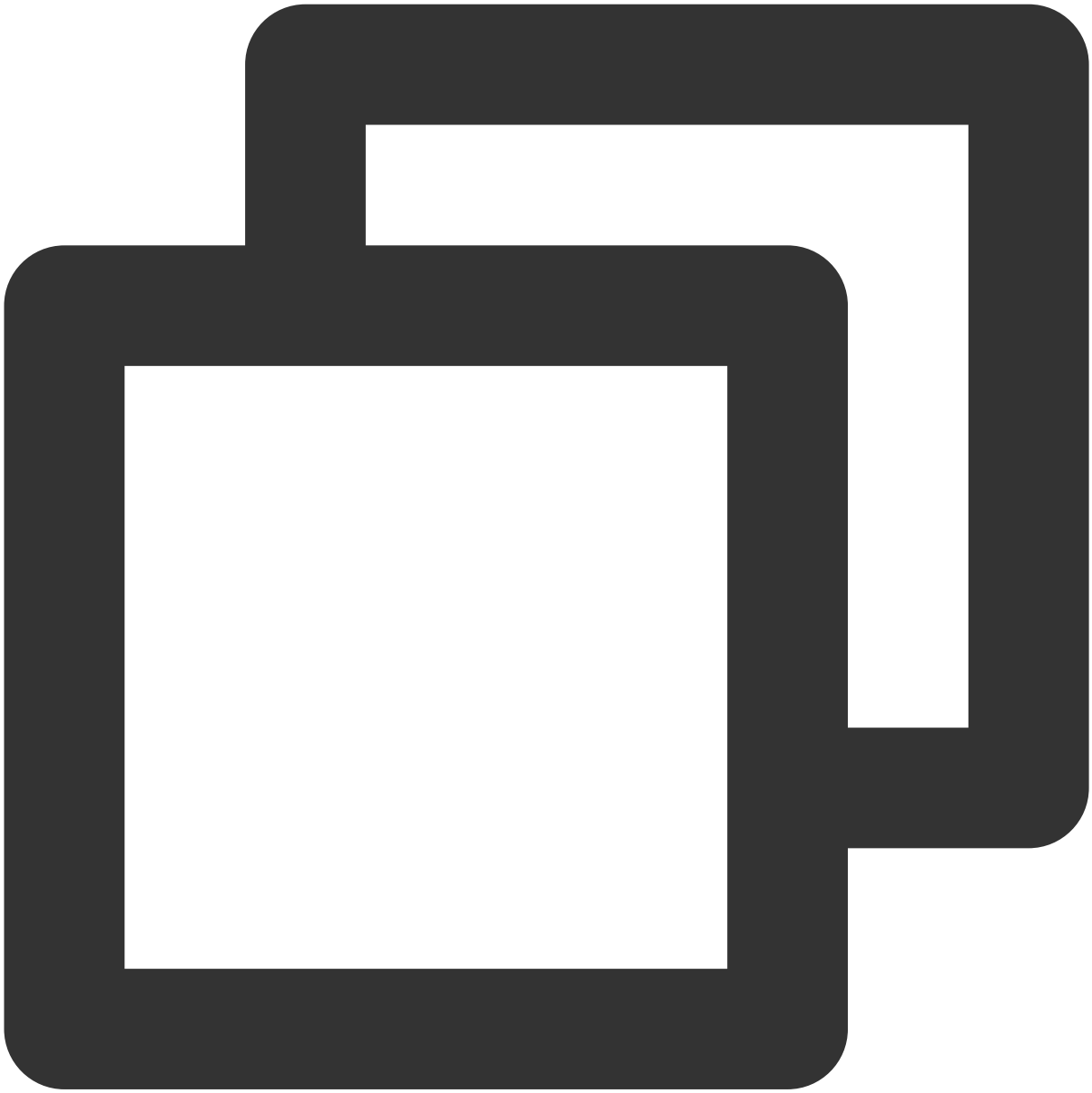

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
www.example.com	Callback URL

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SdkAppid	`SDKAppID` assigned by the IM console when an app is created
CallbackCommand	The value is always `C2C.CallbackAfterSendMsg` .
contenttype	The value is always `JSON` .
ClientIP	IP address of the client, such as `127.0.0.1`
OptPlatform	Platform of the client. For more information about valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample requests

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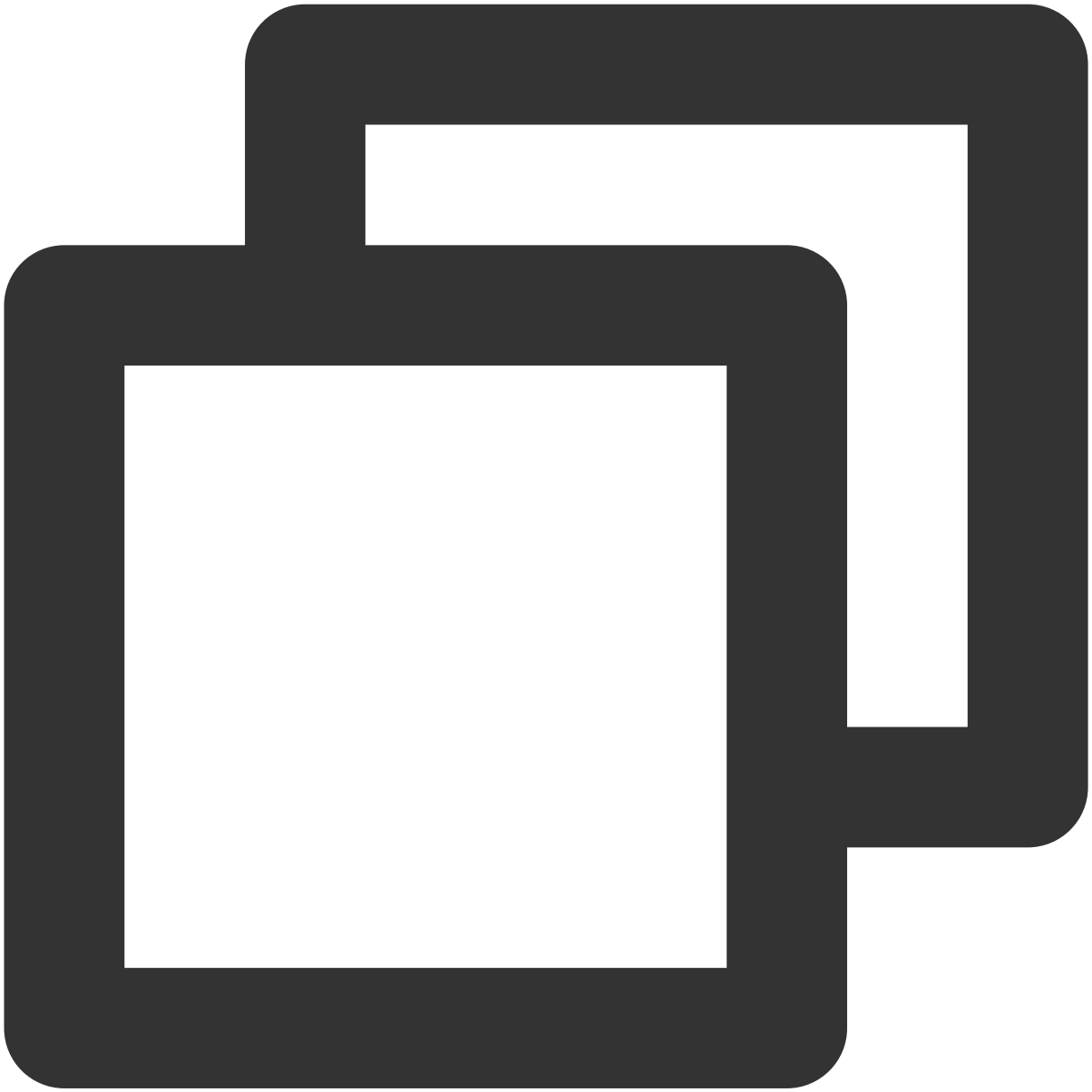

```
{
    "CallbackCommand": "C2C.CallbackAfterSendMsg", // Callback command
    "From_Account": "jared", // Sender
    "To_Account": "Jonh", // Recipient
    "MsgSeq": 48374, // Sequence number of the message
    "MsgRandom": 2837546, // Random number of the message
    "MsgTime": 1557481126, // Timestamp in seconds indicating when the message is s
    "MsgKey": "48374_2837546_1557481126", // Unique identifier of the message. It c
    "OnlineOnlyFlag":1, // The value is `1` if it is an online message and `0` if i
    "SendMsgResult": 0, // Message sending result
    "ErrorInfo": "send msg succeed", // Error information related to the failure to
```

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```
    "UnreadMsgNum": 7, // Total number of unread one-to-one messages of `To_Account
    "MsgBody": [ // Message body
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
From_Account	String	`UserID` of the message sender
To_Account	String	`UserID` of the message recipient
MsgSeq	Integer	Sequence number of the message. It is used to identify the message and the value is a random 32-bit unsigned integer.
MsgRandom	Integer	Random number of the message. It is used to identify the message and the value is a random 32-bit unsigned integer.
MsgTime	Integer	Timestamp in seconds indicating when the message is sent. One-to-one messages are preferentially sorted by `MsgTime`. Messages sent in the same second are sorted by `MsgSeq`. Messages with larger values of `MsgSeq` are after those with smaller values of `MsgSeq`.
MsgKey	String	Unique identifier of the message. It can be used to recall the message via a RESTful API call.
MsgId	String	Unique identifier of the message on the client.
OnlineOnlyFlag	Integer	The value is `1` if it means only to online users and `0` if it's not.
SendMsgResult	Integer	Message sending result. `0`: successful; other values: failed. For more information, see Error Codes.
ErrorInfo	String	Error information related to the failure to send the message. If the message is sent successfully, the value of this field is `send msg succeed`.
UnreadMsgNum	Integer	Total number of unread one-to-one messages of `To_Account` (including

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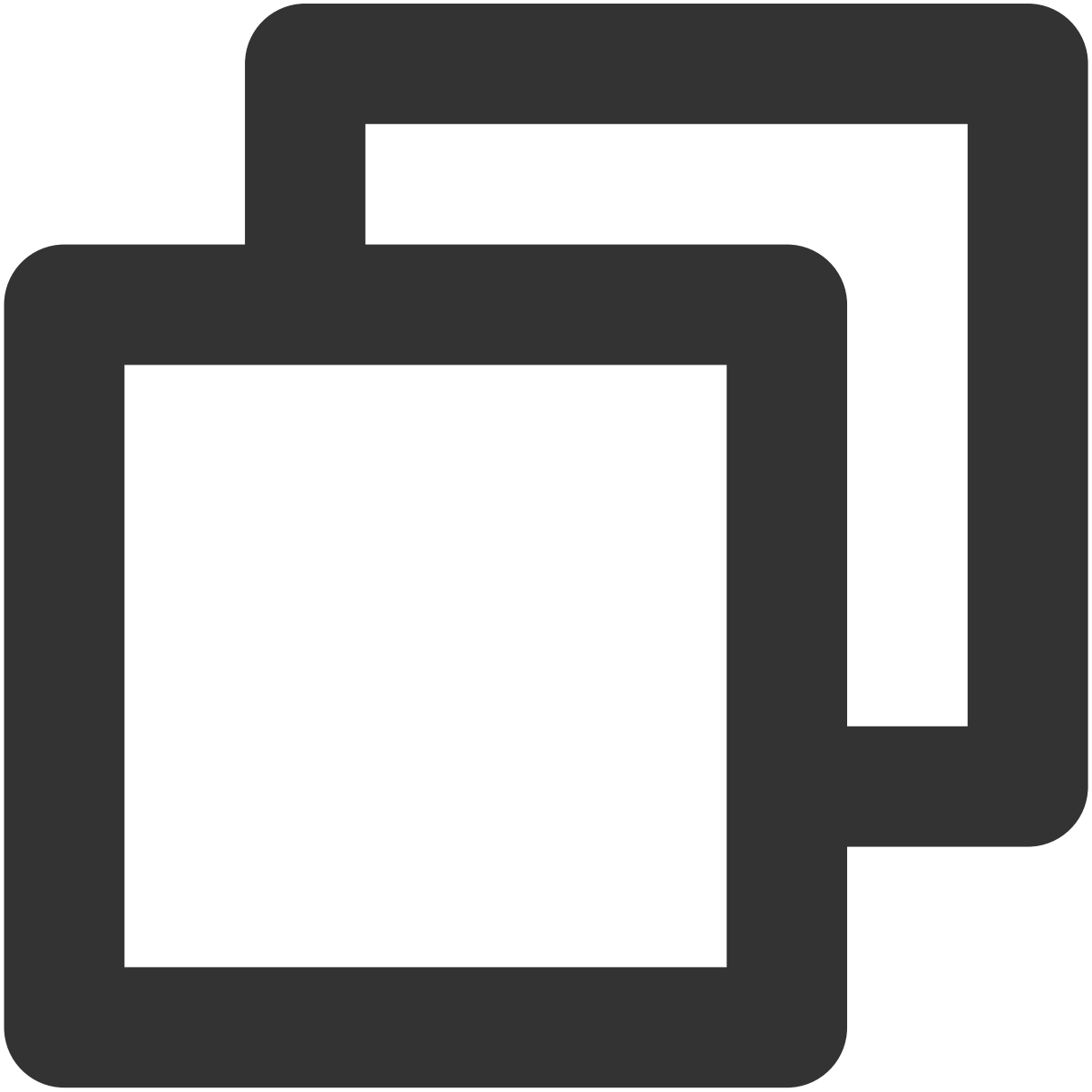
		all one-to-one conversations). If the message fails to be sent, for example, due to filtering of restricted words, the value of this field is `-1`.
MsgBody	Array	Message body. For more information, see Message Formats.
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled.

Sample response



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```
{
    "ActionStatus":"OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // `0`: callback succeeds; `1`: an error occurs during callback.
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. `0` : callback succeeds; `1` : an error occurs during callback.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

Callback Before Sending a One-to-One Message

Sending One-to-One Messages to One User

Sending One-to-One Messages to Multiple Users

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After a One-to-One message Is Marked as Read

Last updated：2024-02-07 17:30:51

Feature Description

This API is used by the app backend to view one-to-one message reads in real time.

Notes

To enable this callback, you must configure the callback URL and enable the corresponding switch for this callback. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTPS POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Trigger Scenarios

An app user marks a one-to-one message as read on the client.
An app admin marks a one-to-one message as read by calling the admin_set_msg_read API.

Callback Trigger Timing

After a one-to-one message is marked as read

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Sample:

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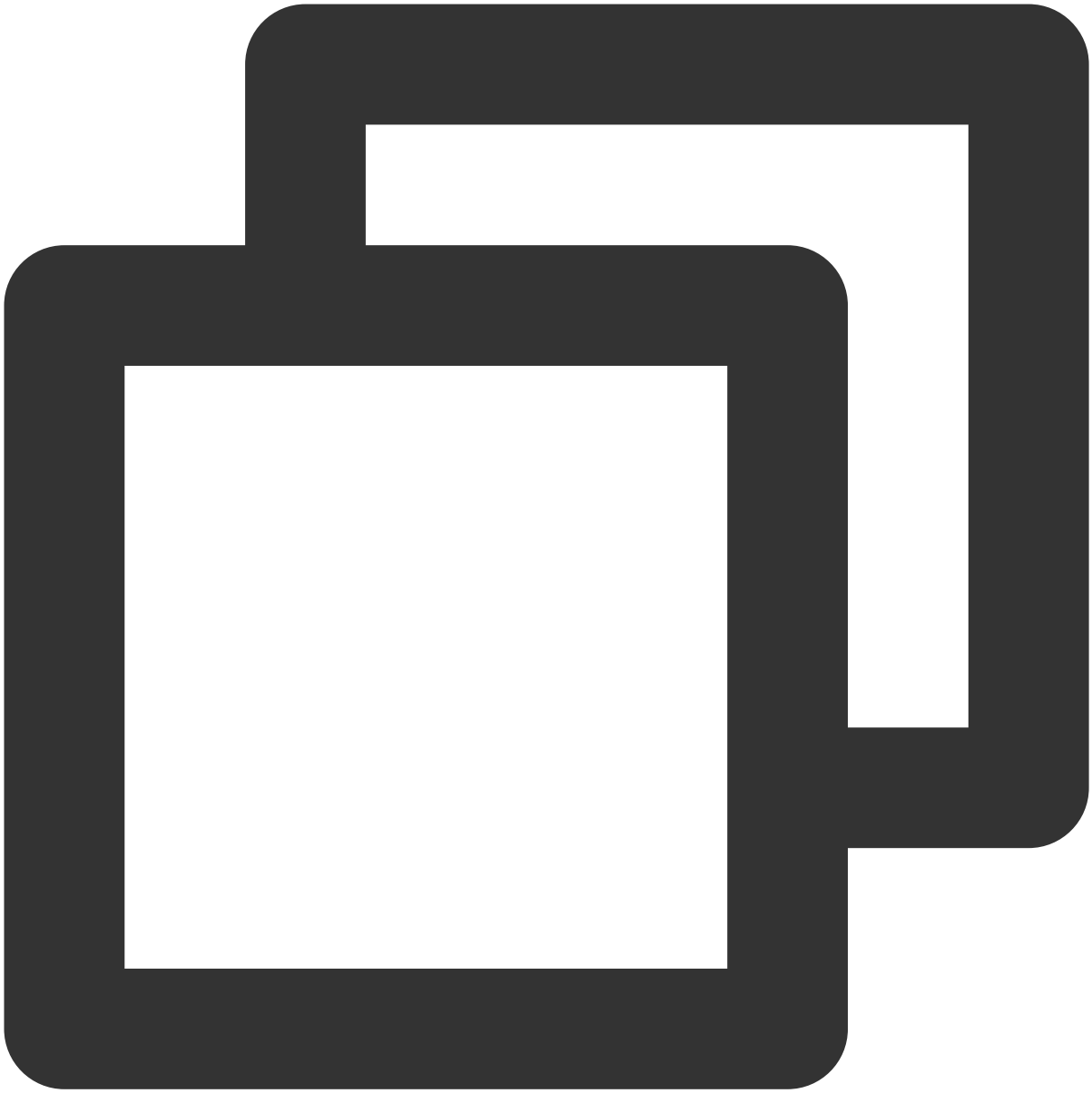

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
www.example.com	Callback URL

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SdkAppid	`SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Always `C2C.CallbackAfterMsgReport`
contenttype	Always `json`
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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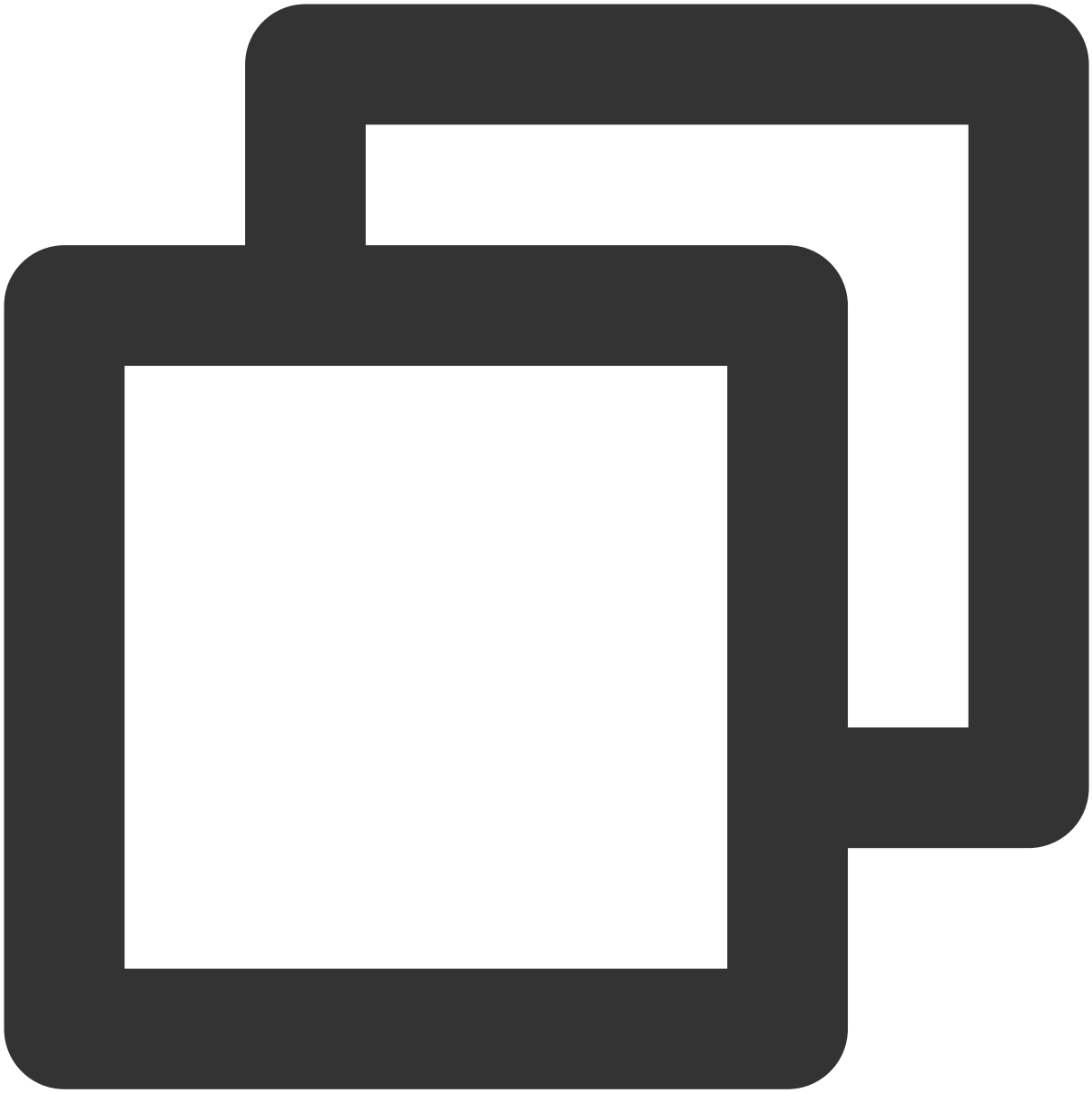

```
{
  "CallbackCommand": "C2C.CallbackAfterMsgReport", // Callback command
  "Report_Account": "jared", // Read reporter
  "Peer_Account": "Jonh", // The other party in the conversation
  "LastReadTime": 1614754606, // Read time
  "UnreadMsgNum": 7 // Total number of unread one-to-one messages of `Report_Accoun
}
```

Request fields

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Field	Type	Description
CallbackCommand	String	Callback command
Report_Account	String	`UserID` of the read reporter
Peer_Account	String	`UserID` of the other party in the conversation
LastReadTime	Integer	Read time
UnreadMsgNum	Integer	Total number of unread one-to-one messages of `Report_Account` (including all one-to-one conversations)

Sample response

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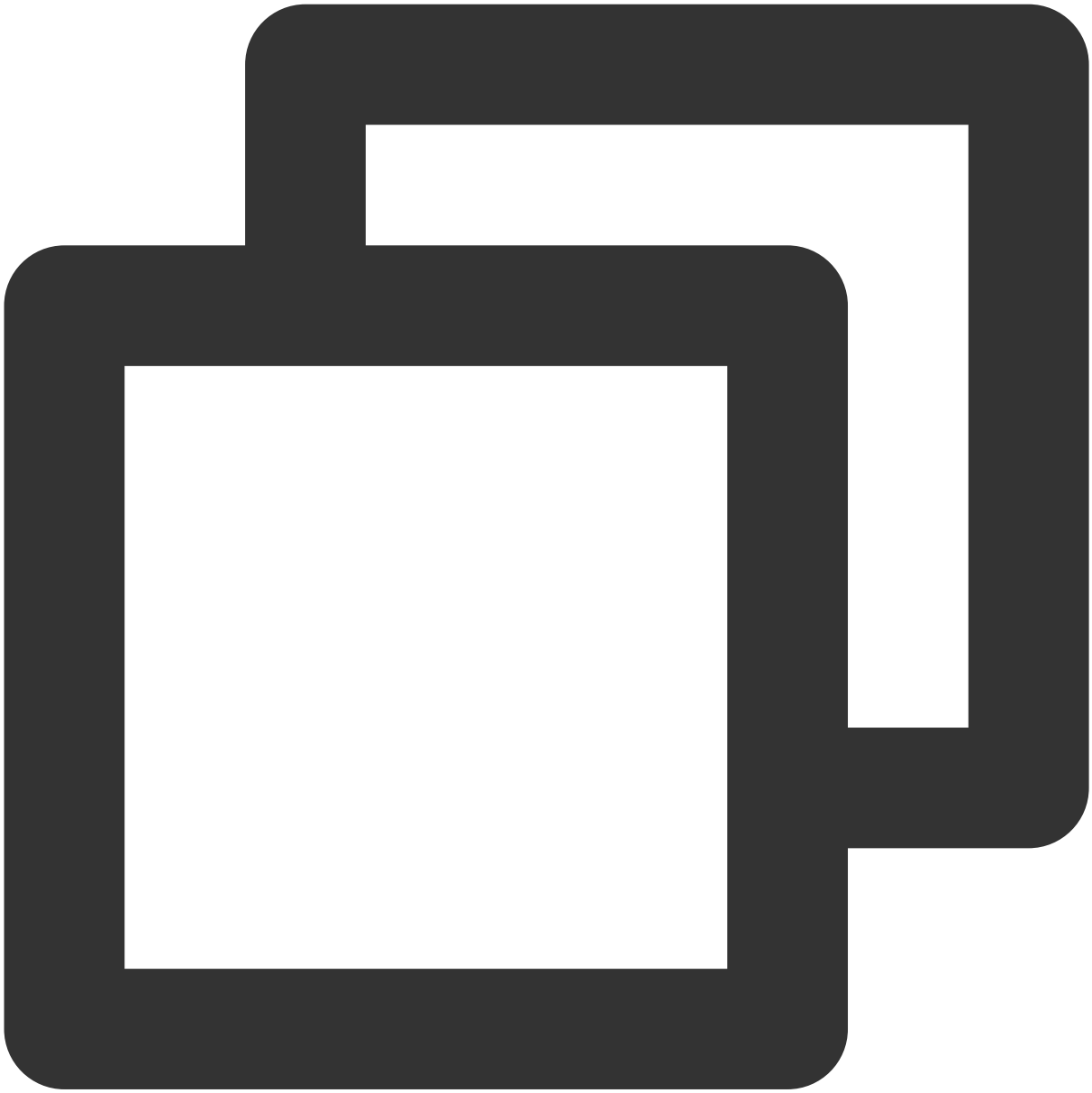

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0 // `0`: callback succeeds; `1`: an error occurs during callback.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. `0` : callback succeeds; `1` : an error occurs during callback.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview
Marking One-to-One Messages as Read

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After A One-to-One Message Is Recalled

Last updated：2024-02-07 17:30:51

Feature Description

This API is used by the app backend to view the recalls of one-to-one messages in real time.

Notes

To enable this callback, you must configure the callback URL and enable the corresponding switch for this callback. For more information on the configuration method, see Callback Configuration.

During this callback, the IM backend initiates an HTTPS POST request to the app backend.

After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.

For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Trigger Scenarios

An app user recalls a one-to-one message on the client.

An app admin recalls a one-to-one message by calling the admin_msgwithdraw API.

Callback Trigger Timing

After a one-to-one message is recalled successfully

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .

Sample:

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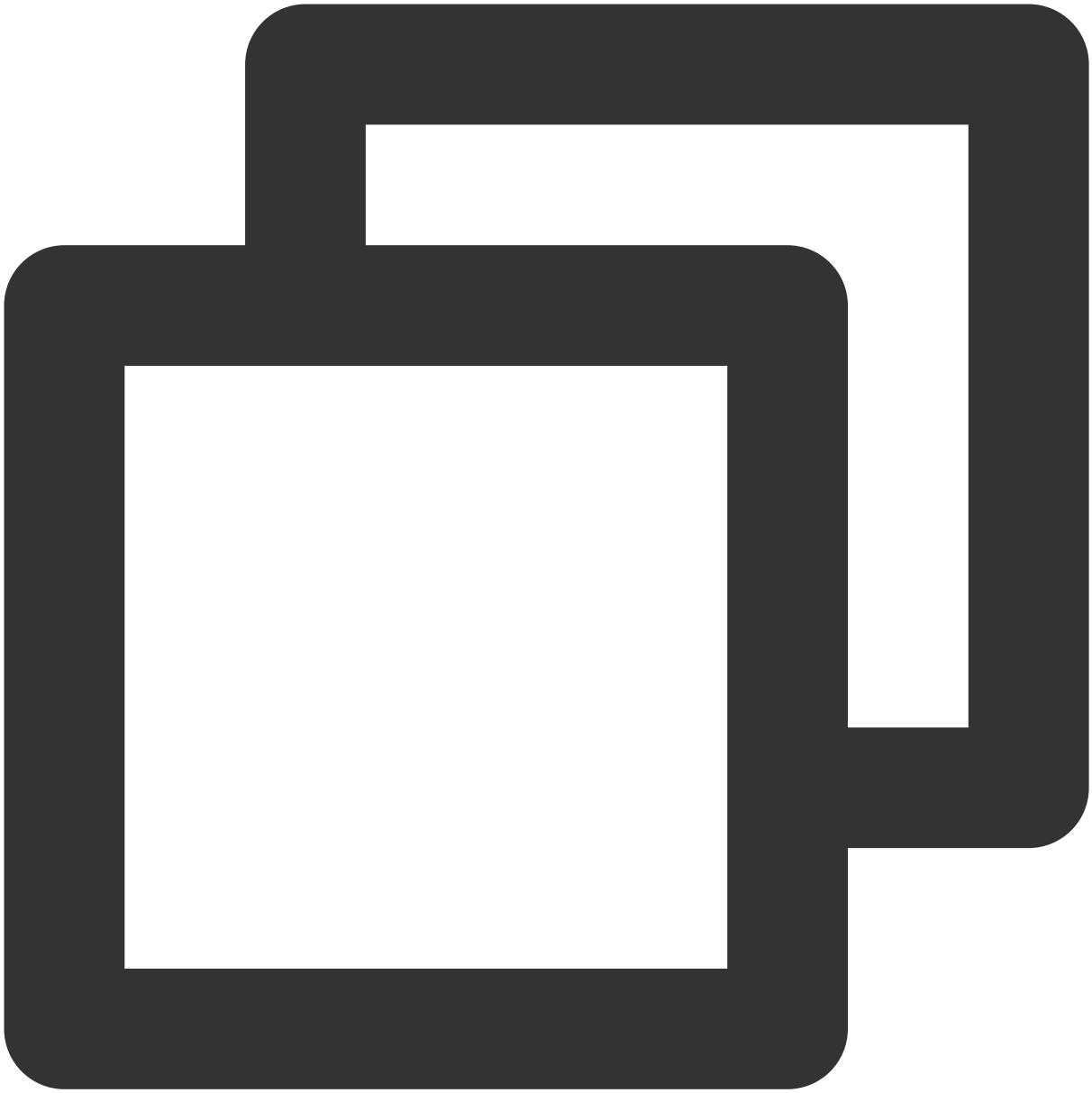

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS and the request method is POST.
www.example.com	Callback URL

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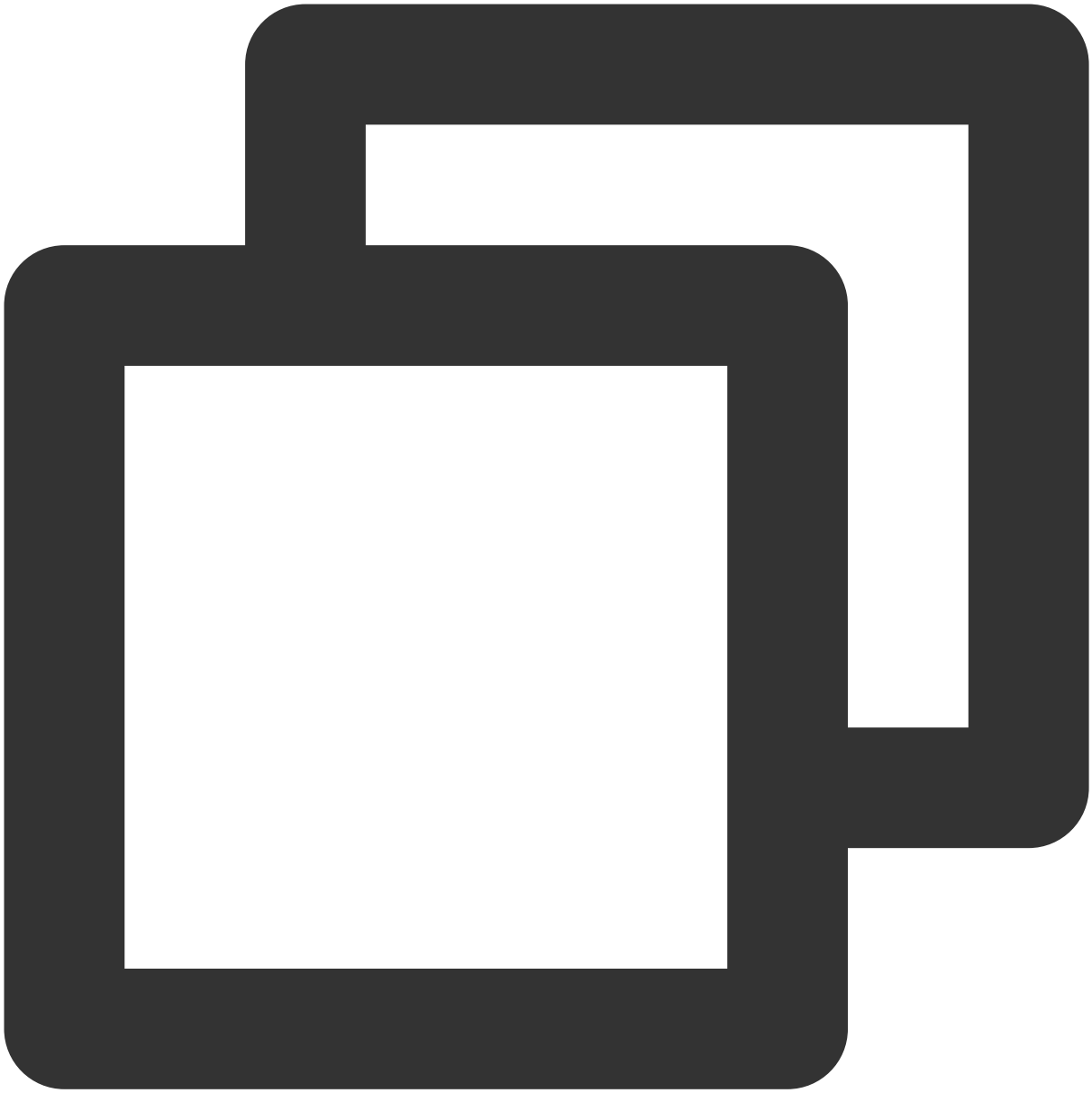
SdkAppid	`SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Always `C2C.CallbackAfterMsgWithDraw`
contenttype	Always `json`
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request



```
{
  "CallbackCommand": "C2C.CallbackAfterMsgWithDraw", // Callback command
  "From_Account": "jared", // Sender
  "To_Account": "Jonh", // Recipient
  "MsgKey": "48374_2837546_1557481126", // Unique identifier of the message
  "UnreadMsgNum": 7 // Total number of unread one-to-one messages of `To_Account`
}
```

Request fields

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Field	Type	Description
CallbackCommand	String	Callback command
From_Account	String	`UserID` of the message sender
To_Account	String	`UserID` of the message recipient
MsgKey	String	Unique identifier of the message
UnreadMsgNum	Integer	Total number of unread one-to-one messages of `To_Account` (including all one-to-one conversations)

Sample response

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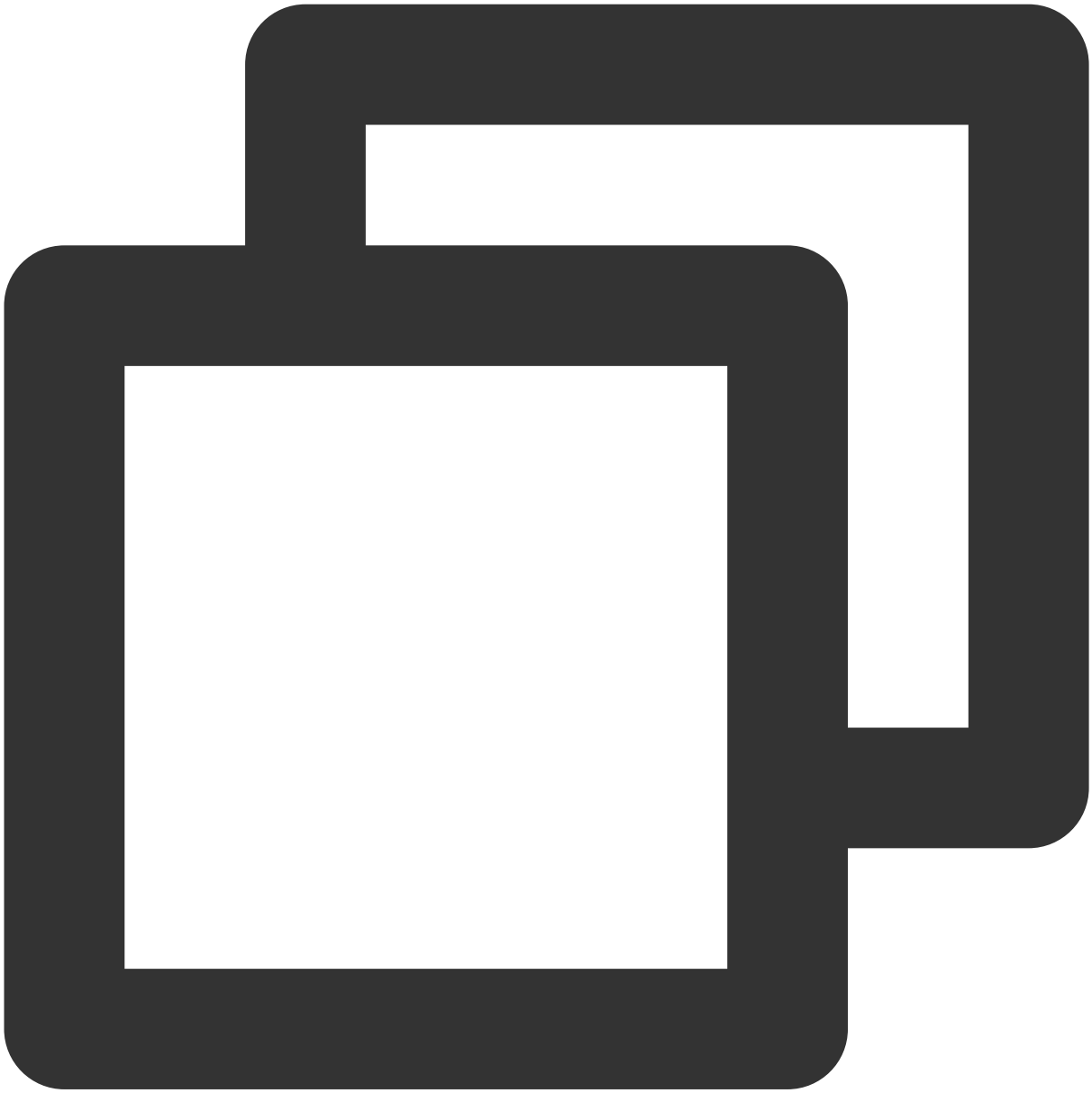

```
{
  "ActionStatus": "OK",
  "ErrorInfo": "",
  "ErrorCode": 0 // `0`: callback succeeds; `1`: an error occurs during callback.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. `0` : callback succeeds; `1` : an error occurs during callback.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview
Recalling One-to-One Messages

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Group Webhooks
Before a Group Is Created

Last updated：2024-02-07 17:30:51

Overview

This webhook event is used by the app backend to check users' group creation requests in real time. The app backend can also reject the requests.

Notes

To enable this webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

The app user creates a group on the client.
The app admin creates a group through the RESTful API.

Webhook Triggering Timing

It will be triggered before the Chat backend creates a group.

API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .
Example:

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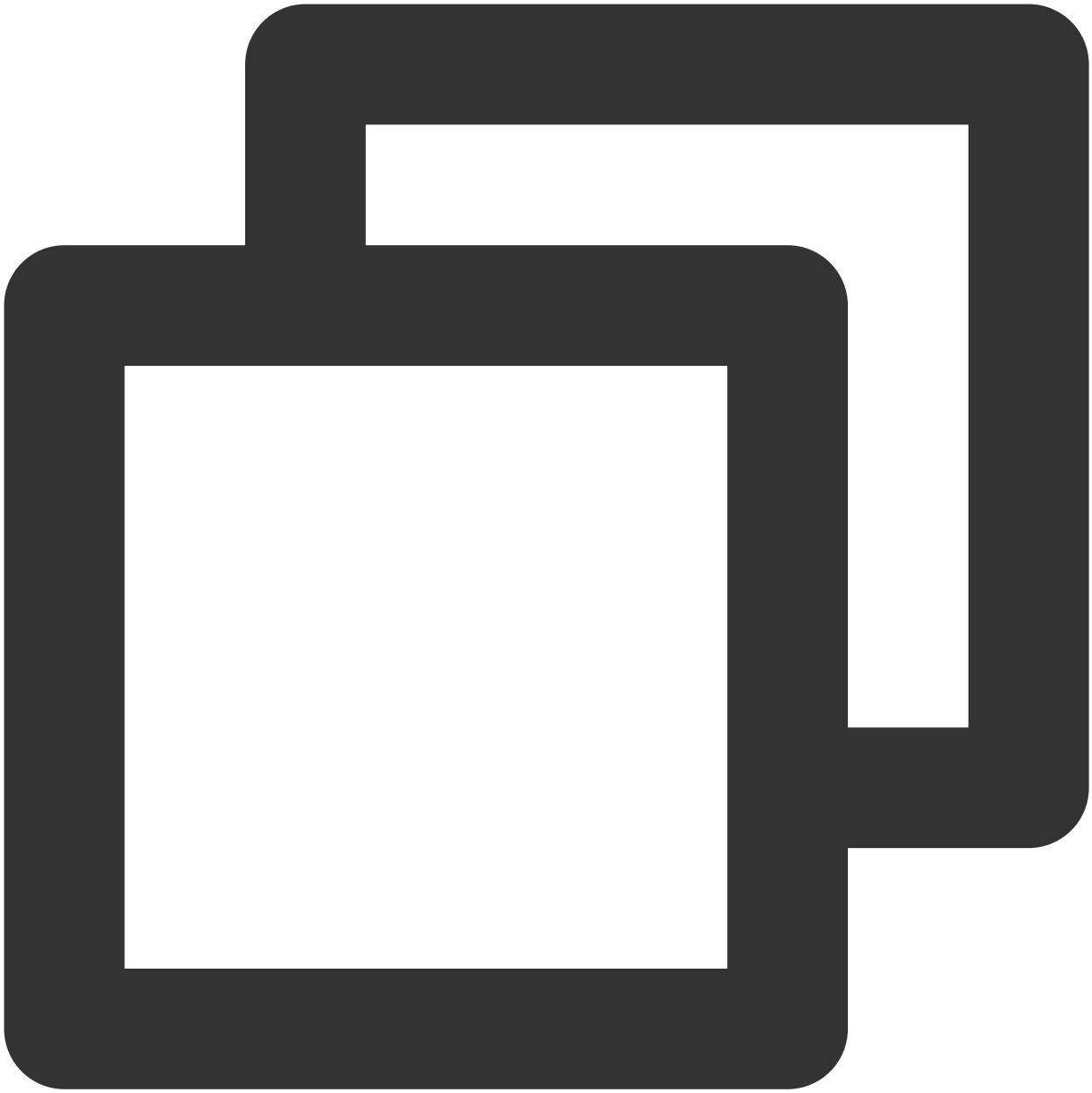

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL

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SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackBeforeCreateGroup` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Overview.

Sample request

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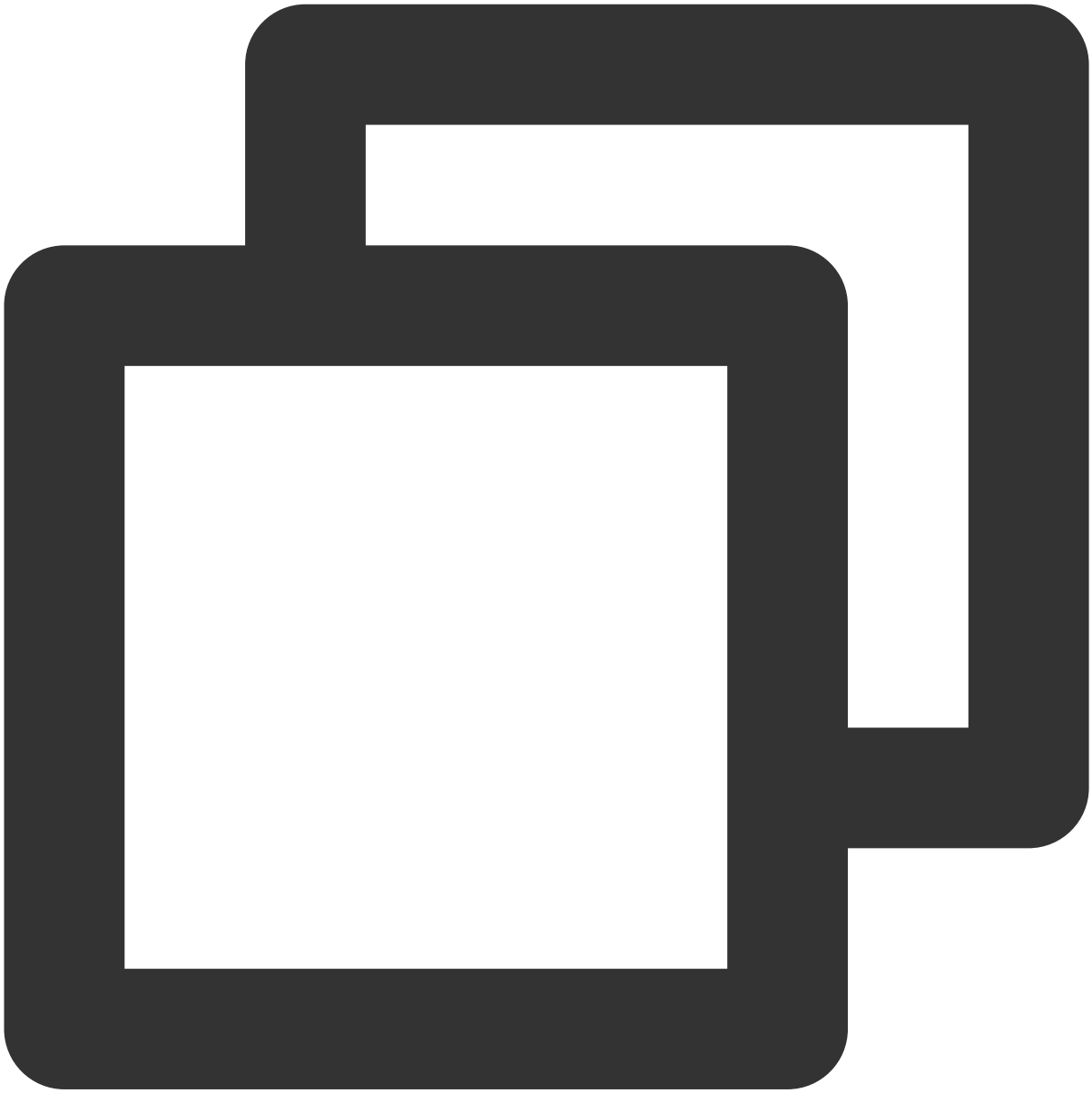

```
{
    "CallbackCommand": "Group.CallbackBeforeCreateGroup", // Webhook command
    "Operator_Account": "leckie", // Operator
    "Owner_Account": "leckie", // Group owner
    "Type": "Public", // Group type
    "Name": "MyFirstGroup", // Group name
    "CreateGroupNum": 123, // Number of groups of the same type that the user has c
    "MemberList": [ // List of initial members
        {
            "Member_Account": "bob"
        },
```

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```
        {
            "Member_Account": "peter"
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Object	Type	Description
CallbackCommand	String	Webhook command
Operator_Account	String	`UserID` of the operator who initiates the group creation request
Owner_Account	String	`UserID` of the owner of the group requested to be created
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
Name	String	Name of the group requested to be created
CreateGroupNum	Integer	Number of groups of the same type that the user has created
MemberList	Array	List of initial members of the group requested to be created
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

Creation allowed

The user is allowed to create a group.

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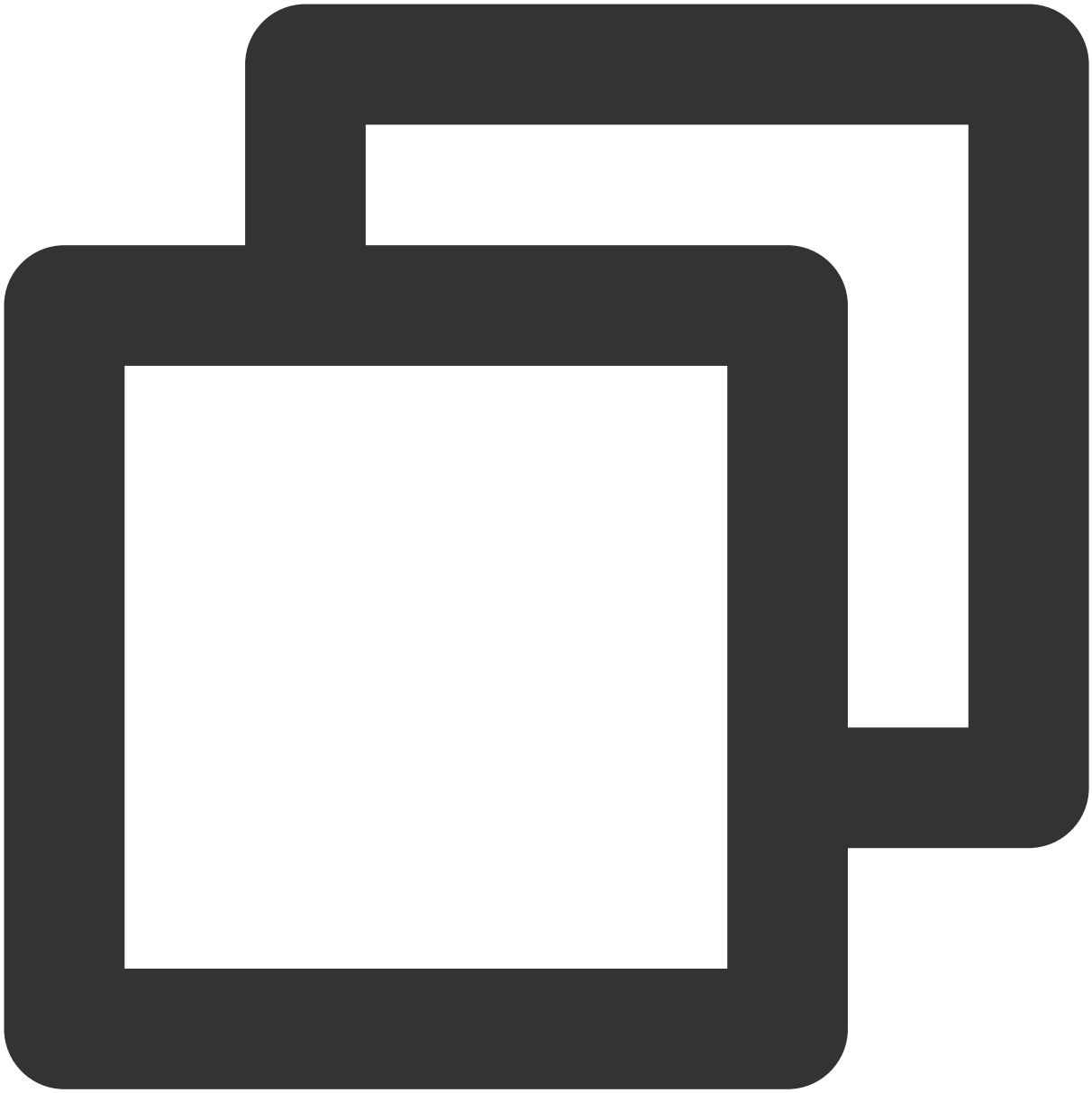

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Creation allowed
}
```

Creation disallowed

The user is not allowed to create a group. No group will be created, and the error code `10016` will be returned to the caller.

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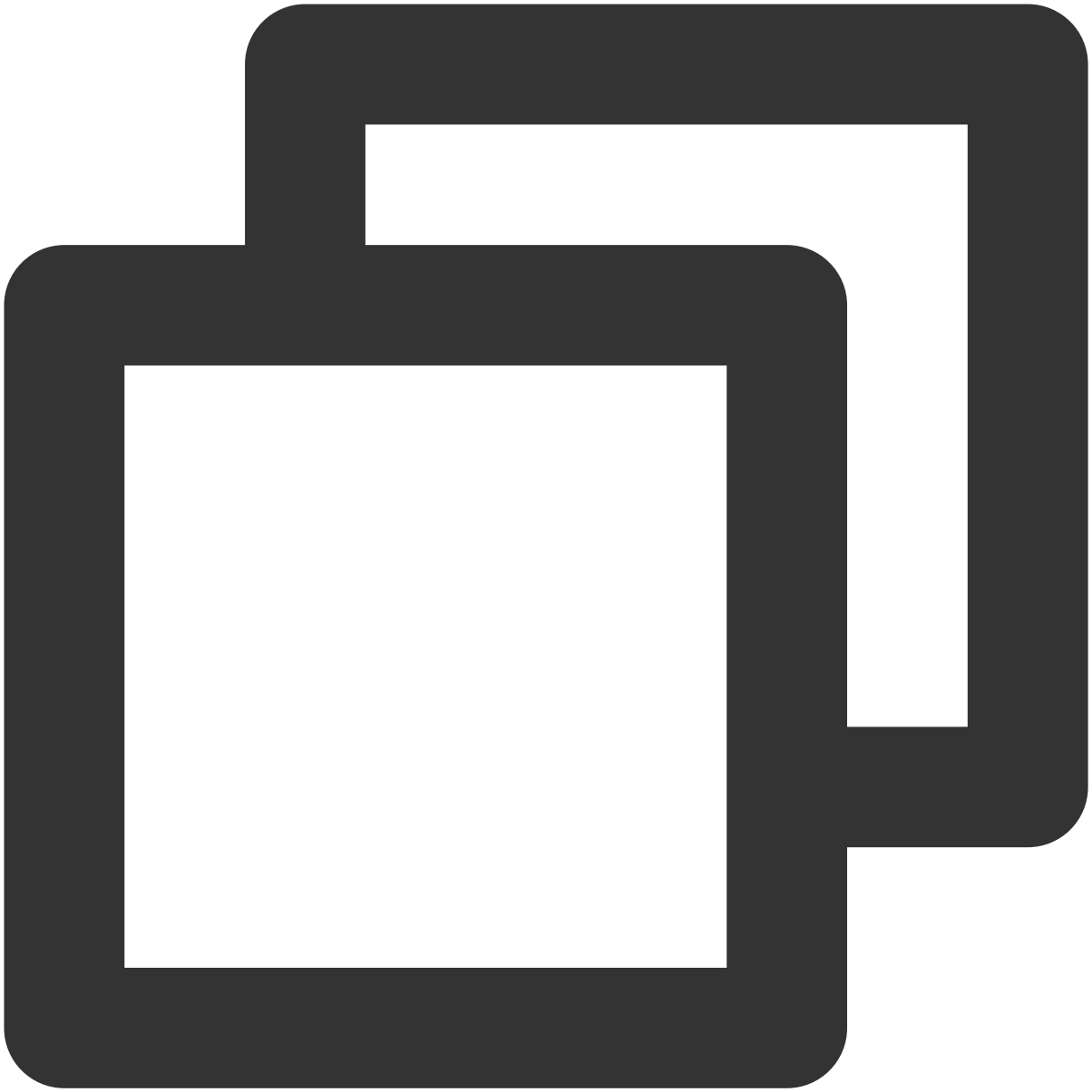

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // Creation refused
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code returned. `0` : Allows group creation; `1` : Forbids group creation. If the business side wants to use a custom error code to forbid a user to create a group and send `ErrorCode` and `ErrorInfo` to the client, ensure that the value of `ErrorCode` is set within the range of [10100, 10200].
ErrorInfo	String	Yes	Error information

References

Webhook Overview

RESTful API: Creating a Group

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After a Group Is Created

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the information of the group created by the user on the application backend in real time. Specifically, it notifies the application backend of the successful group creation so that the backend can sync data.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user creates a group successfully on the client.
The app admin creates a group successfully through the RESTful API.

Callback Triggering Timing

It will be triggered after a group is created successfully.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Example:

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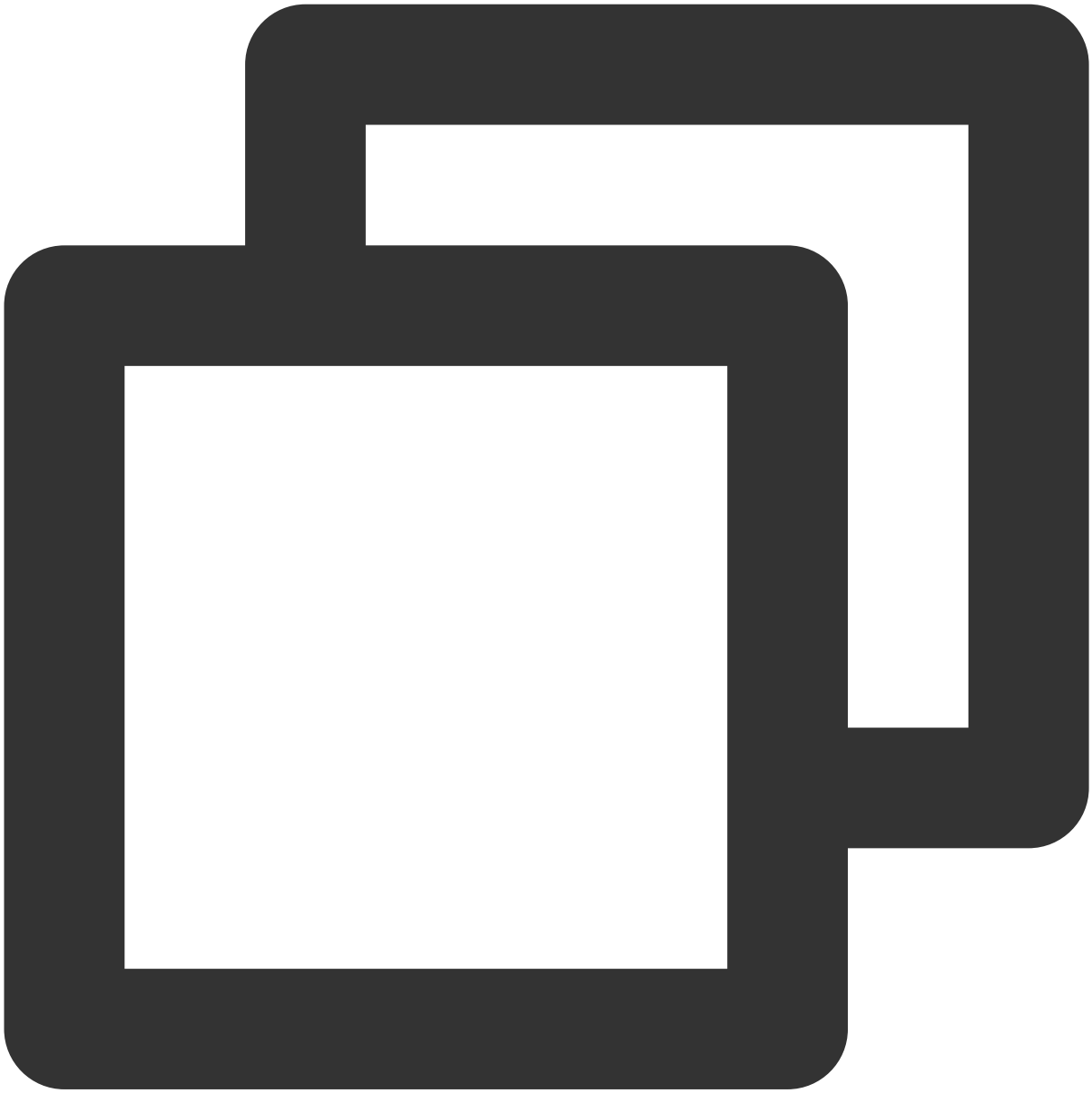

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterCreateGroup` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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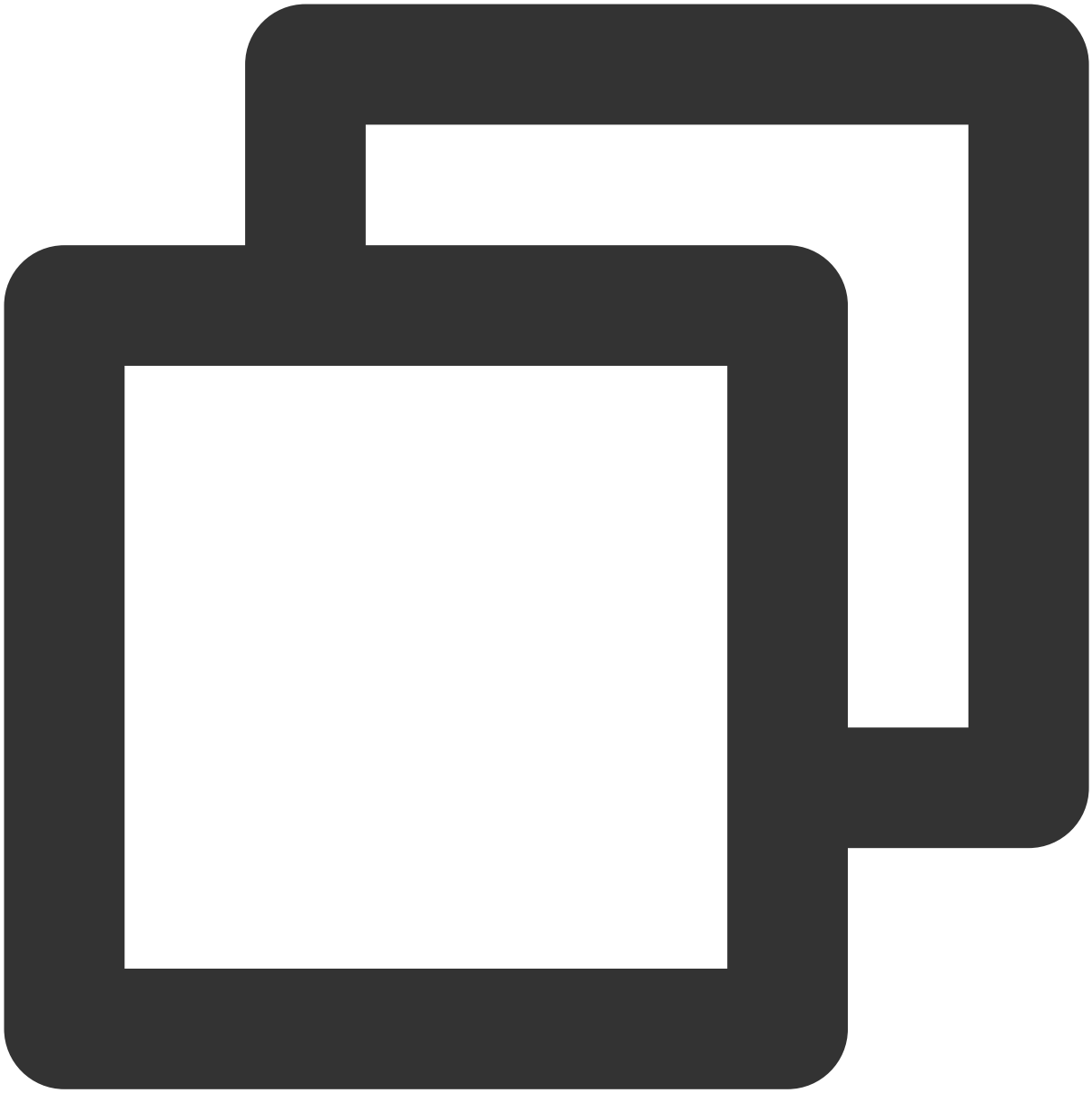

```
{
    "CallbackCommand": "Group.CallbackAfterCreateGroup", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",
    "Operator_Account": "group_root", // Operator
    "Owner_Account": "leckie", // Group owner
    "Type": "Public", // Group type
    "Name": "MyFirstGroup", // Group name
    "MemberList": [ // Initial member list
        {
            "Member_Account": "bob"
        },
```

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```
        {
            "Member_Account": "peter"
        }
    ],
    "UserDefinedDataList": [ // Custom field to be used when the user creates a gro
        {
            "Key": "UserDefined1",
            "Value": "hello"
        },
        {
            "Key": "UserDefined2",
            "Value": "world"
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
groupID	String	The group ID.
Operator_Account	String	`UserID` of the operator who initiates the group creation request
Owner_Account	String	`UserID` of the owner of the group to be created
Type	String	Type of the group to be created (for more information, see Group System), such as `Public` .
Name	String	Name of the group to be created
MemberList	Array	Initial member list of the group to be created
UserDefinedDataList	Array	Custom field for group creation, which is unavailable by default and needs to be enabled. For more information, see Group Management.
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

A response is sent after the app backend synchronizes the data.

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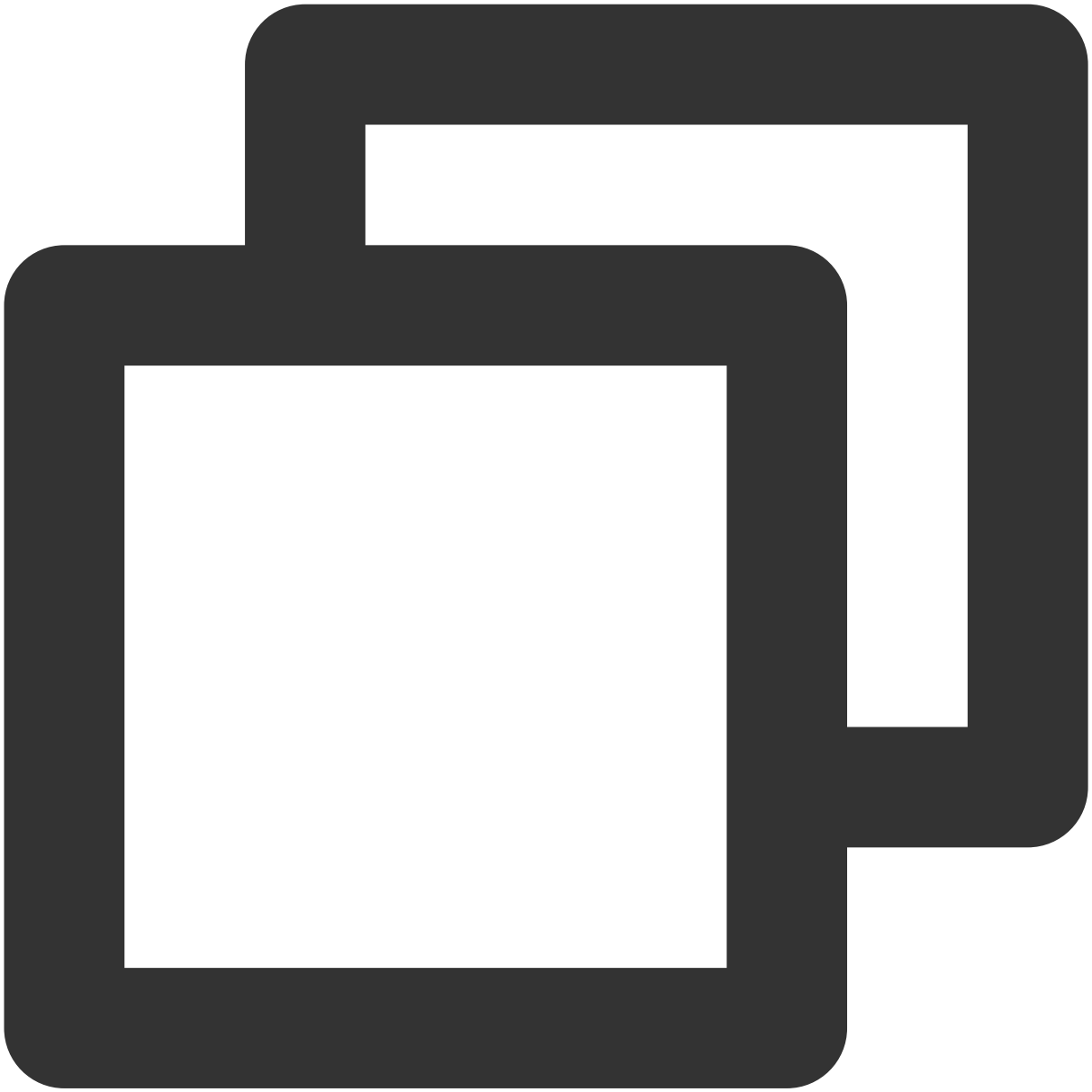

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 //The value `0` indicates that the callback result is ignored.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the callback result is ignored.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

RESTful API: Creating a Group

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Before Applying to Join a Group

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view users' group join requests in real time on the app backend. You can block such requests.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user sends a group join request on the client.

Callback Triggering Timing

It will be triggered before the IM backend adds the user sending the group join request to the group (or before the admin is notified if admin approval is required).

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com`.
Example:

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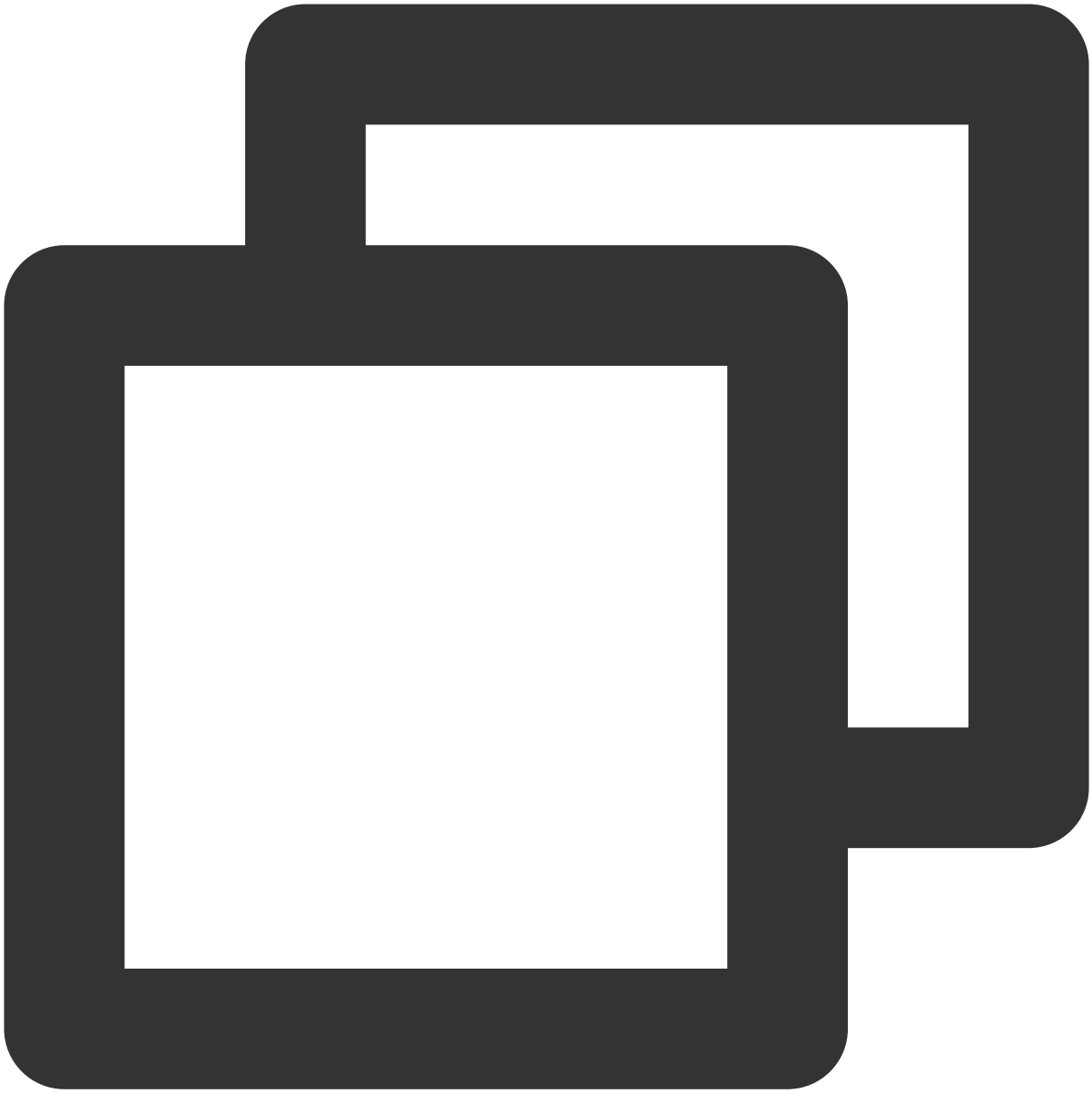

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `roup.CallbackBeforeApplyJoinGroup` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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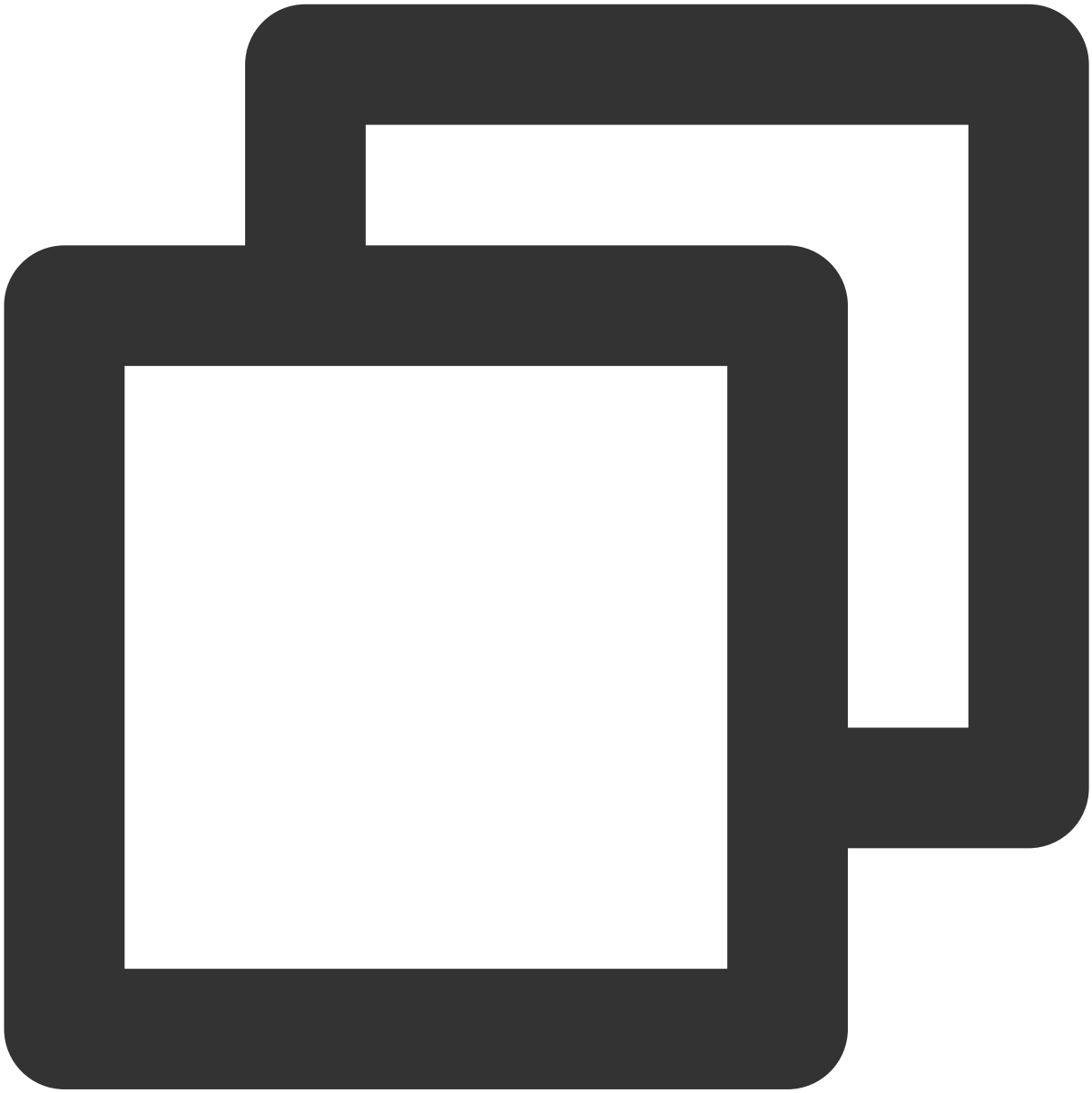

```
{
    "CallbackCommand": "Group.CallbackBeforeApplyJoinGroup", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",
    "Type": "Public", // Group type
    "Requestor_Account": "jared", // Requester
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

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Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	ID of the group that generates group messages
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
Requestor_Account	String	`UserID` of the requester
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

Allowing further processing

The group join request is allowed to be further processed.

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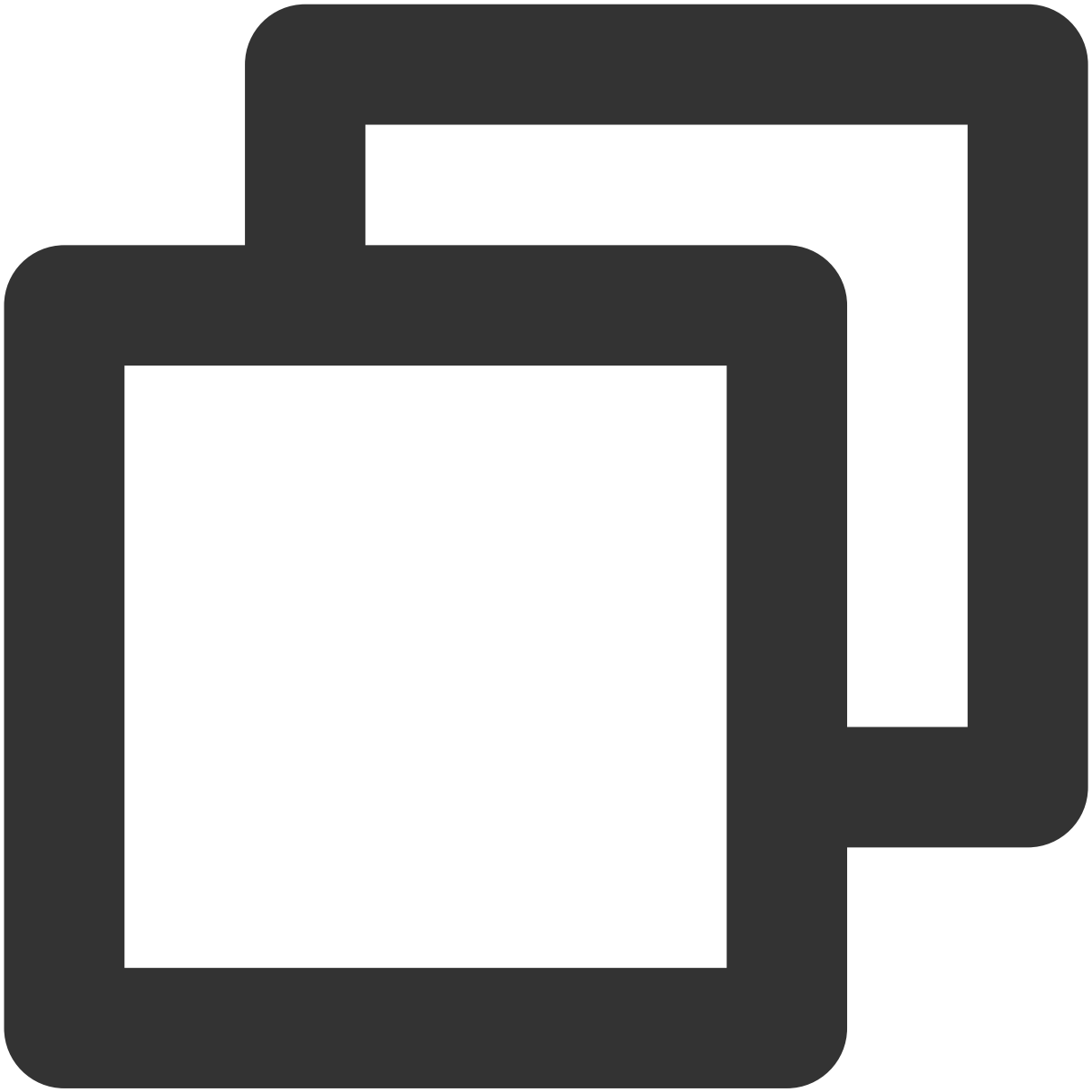

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // It indicates to allow further processing the group join reque
}
```

Rejecting the request

The group join request is not allowed to be further processed. The user cannot join the group, and the error code `10016` is returned to the caller.

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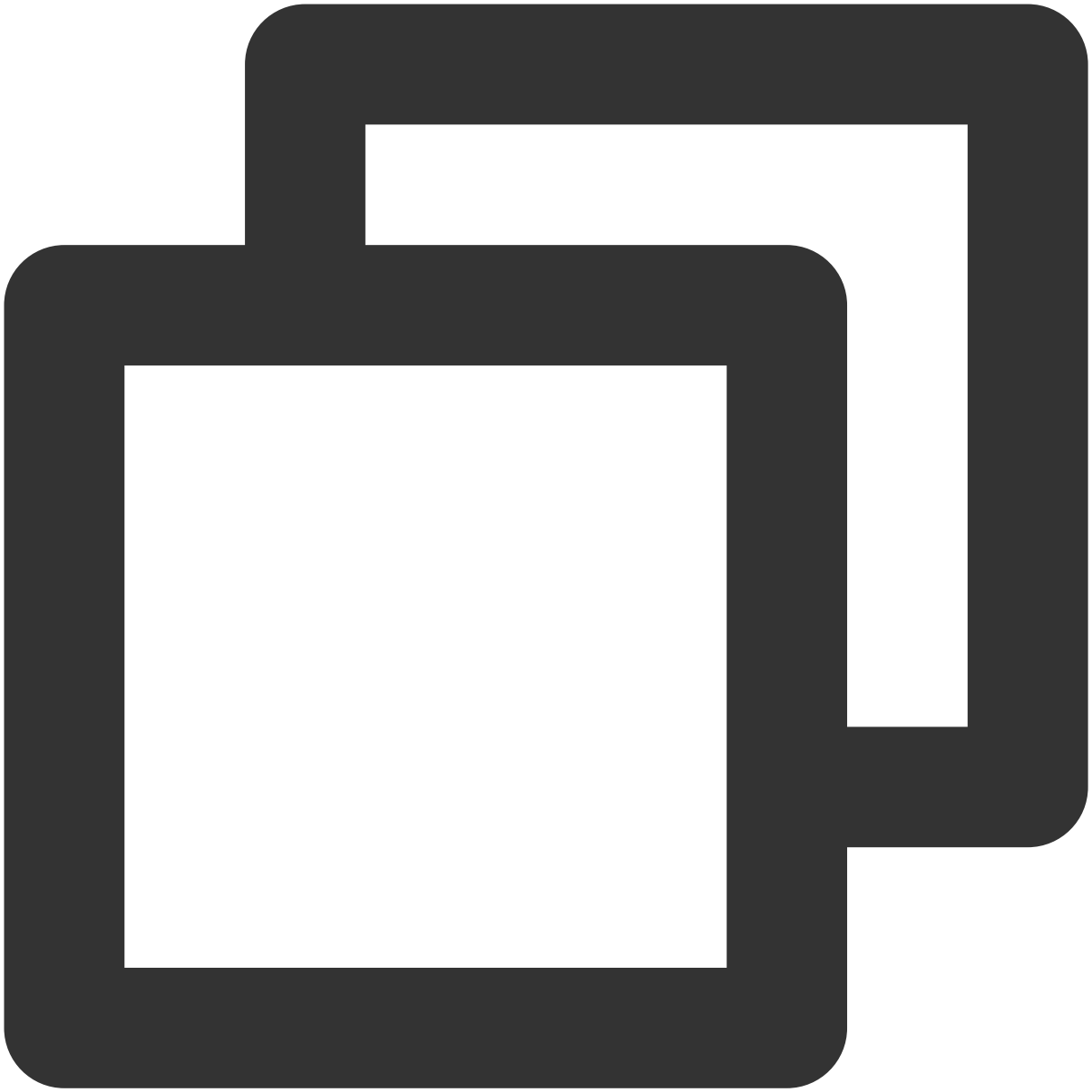

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // It indicates to reject the group join request.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. `0` indicates to allow further processing; `1` indicates to reject the request. If you want to use the specified error code to reject a group join request, you need to pass in `ErrorCode` and `ErrorInfo` to the client, with `ErrorCode` in the range of [10100, 10200]. If a group join request requires admin approval, admin approval is still required even if `0` is returned in the callback.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

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Before Inviting a User to a Group

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view a group member's request to invite another user to join the group on the app backend in real time. You can directly block such request on the app backend.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user sends a request to invite another user to join the group on the client.
The app admin adds a user to a group through the RESTful API.

Callback Triggering Timing

This callback will be triggered before the IM backend adds the target user to the group (or after the friendship verification is passed, if relationship chain hosting is involved and friendship verification is configured in IM for the app).

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .

Example:

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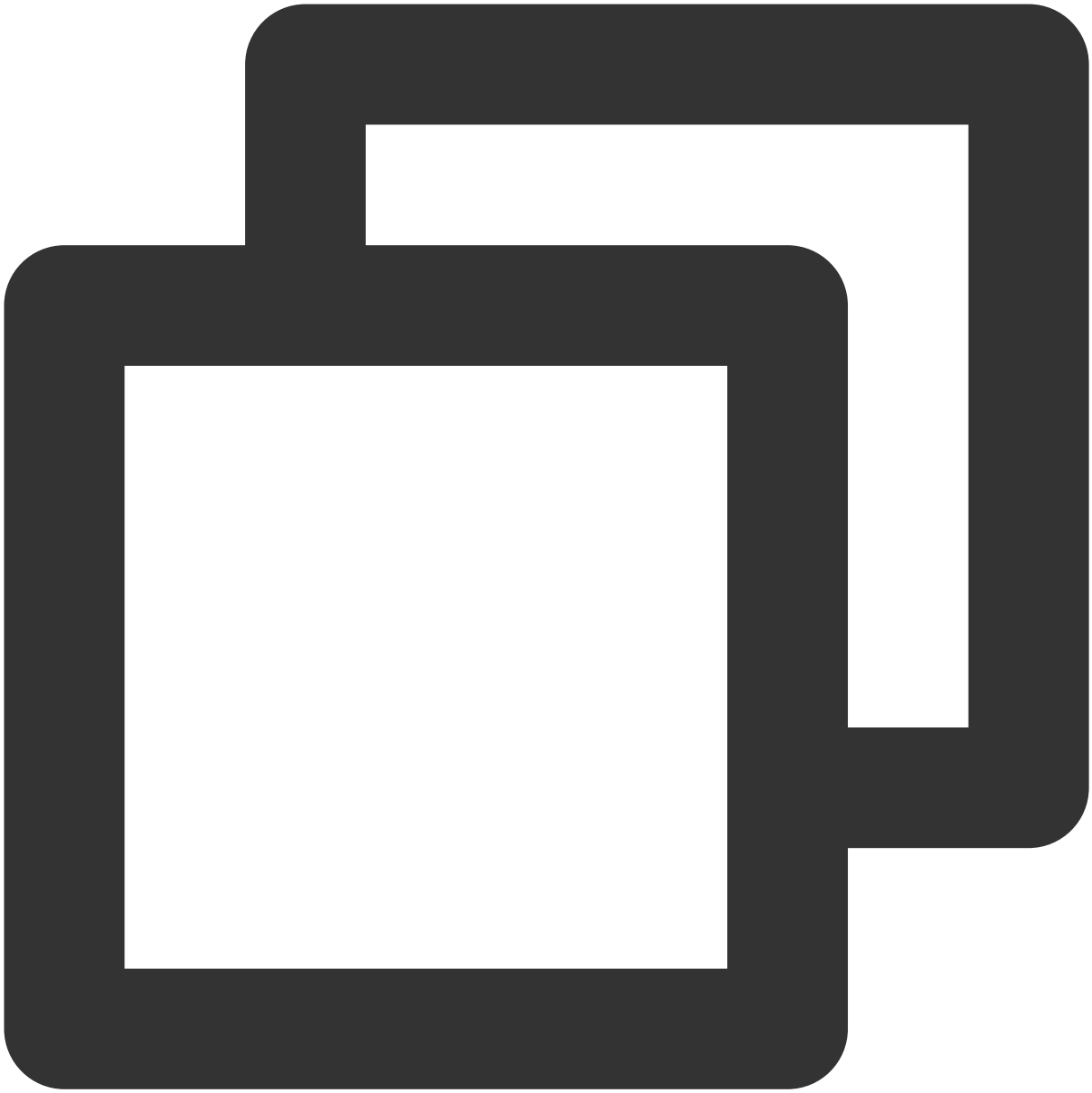

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackBeforeInviteJoinGroup`
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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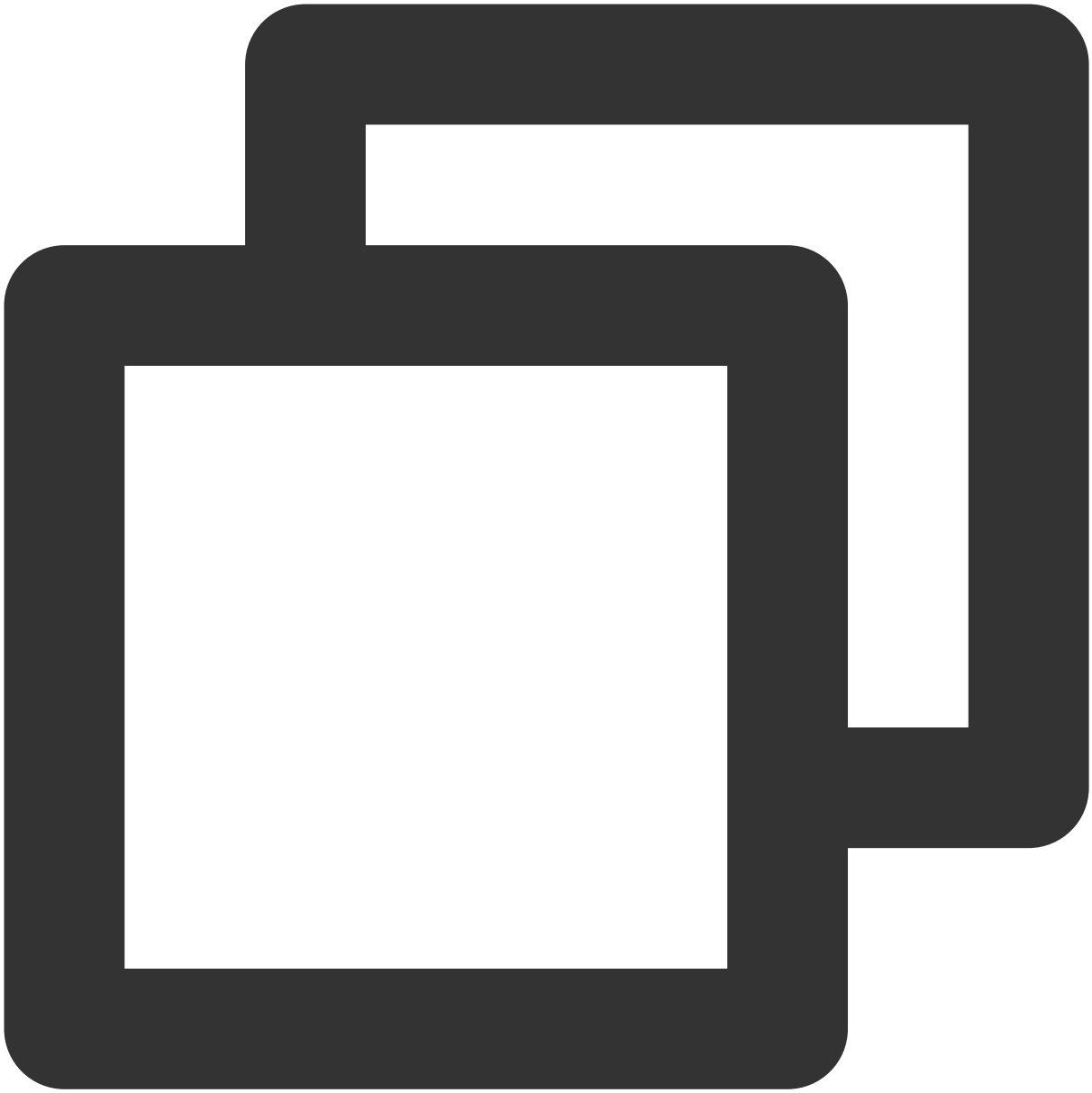

```
{
    "CallbackCommand": "Group.CallbackBeforeInviteJoinGroup",
    "GroupId": "@TGS#2J4SZEAEL",
    "Type": "Public",
    "Operator_Account": "leckie",
    "DestinationMembers": [
        {
            "Member_Account": "jared"
        },
        {
            "Member_Account": "leckie"
```

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```
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Group ID
Type	String	Type of the group to be created (for more information, see Group System), such as `Public` .
Operator_Account	String	`UserID` of the request sender
DestinationMembers	Array	Set of `UserID` values of the group
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

Allowing all users to join the group

The app backend allows all users identified in all requests to join the group.

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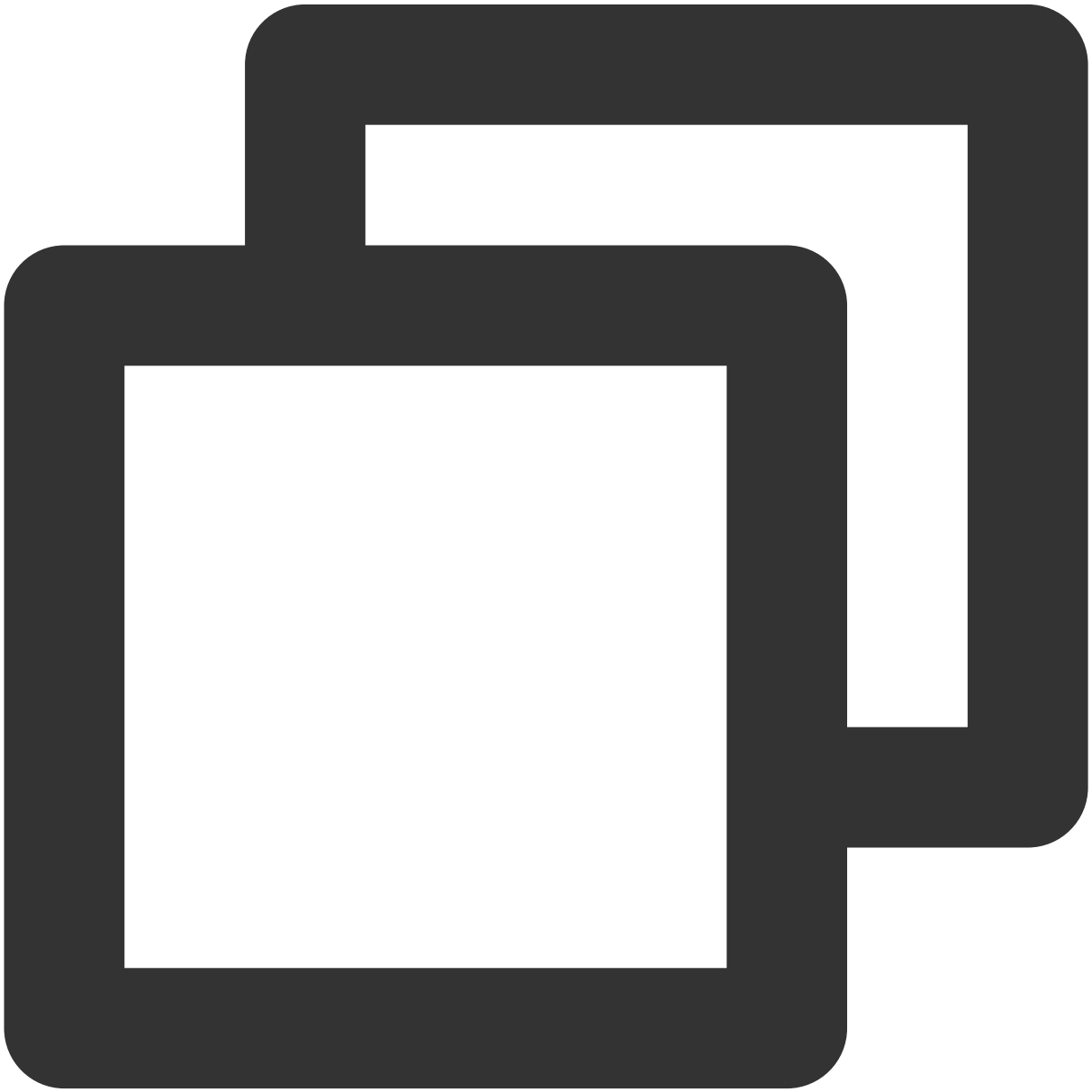

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // It indicates to allow further processing the group join reque
}
```

Blocking certain members from joining the group

The app backend blocks certain users identified in the requests from being invited to the group. The identifiers of such users are returned in `RefusedMembers_Account` .

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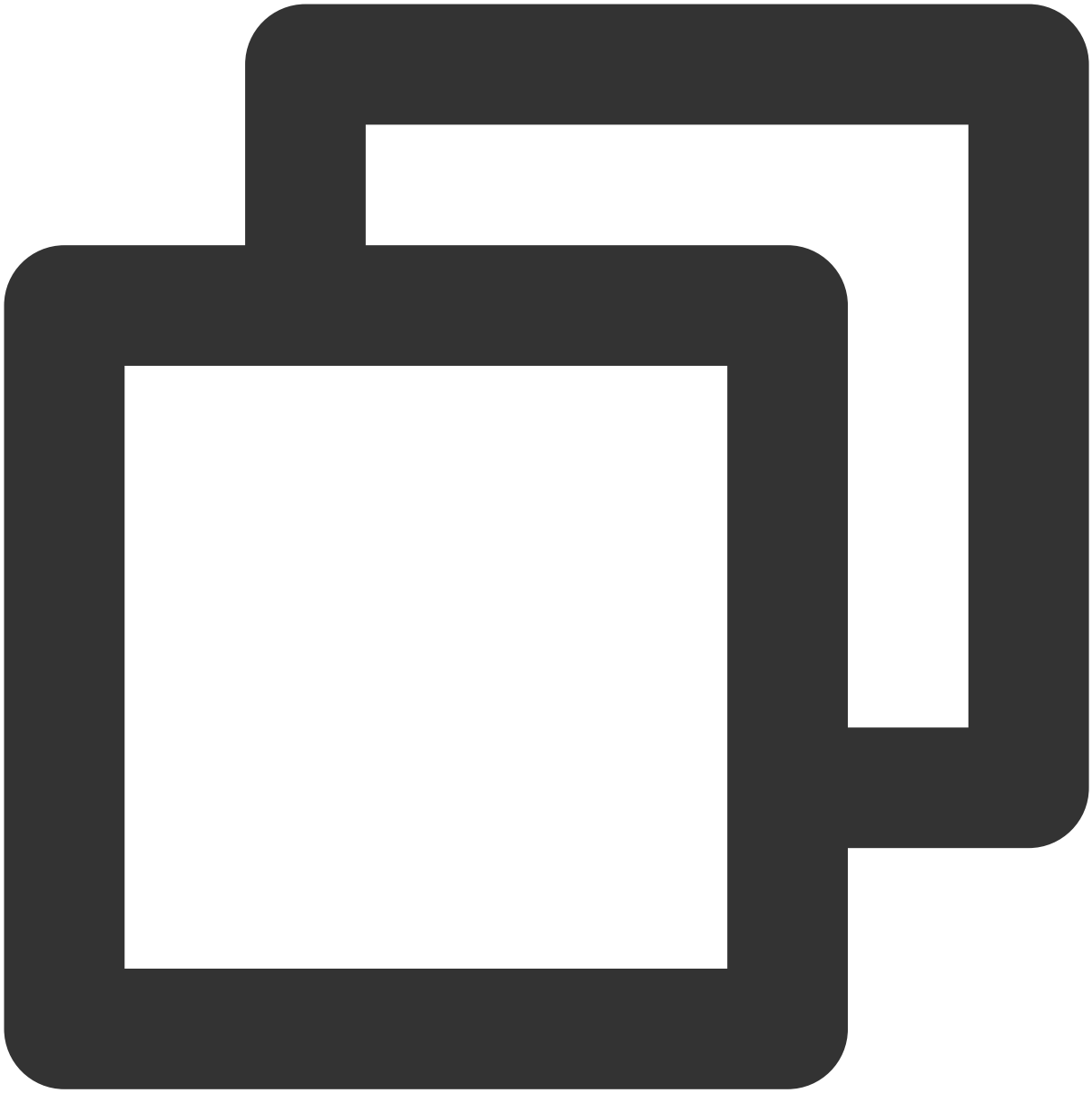

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "RefusedMembers_Account": [ // List of users who refused to join the group
        "jared"
    ]
}
```

Response fields

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Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. `0` indicates to allow further processing the group join request; `1` indicates to reject the request. If you want to use the specified error code to reject a group join request, you need to pass in `ErrorCode` and `ErrorInfo` to the client, with `ErrorCode` in the range of [10100, 10200].
ErrorInfo	String	Yes	Error information
RefusedMembers_Account	Array	No	List of IDs of users who refused to join the group.

References

Third-Party Callback Overview

RESTful API: Adding Group Members

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After a User Joins a Group

Last updated：2024-02-22 10:59:38

Feature Overview

This callback allows you to view the messages of group member join on the application backend in real time.
Specifically, it notifies the application backend of group join so that the app can sync data as necessary.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user sends a request to join the group on the client, and the request is approved.
An app user successfully invites another user to join the group on the client.
The app admin adds a user to a group through the RESTful API.

Callback Triggering Timing

This callback will be triggered after a user requests to join a group and successfully joins the group.
This callback will be triggered after a user is invited by another member and successfully joins the group.
This callback will be triggered after a user is added to a group by the app admin through the RESTful API.

API Calling Description

Sample request URL

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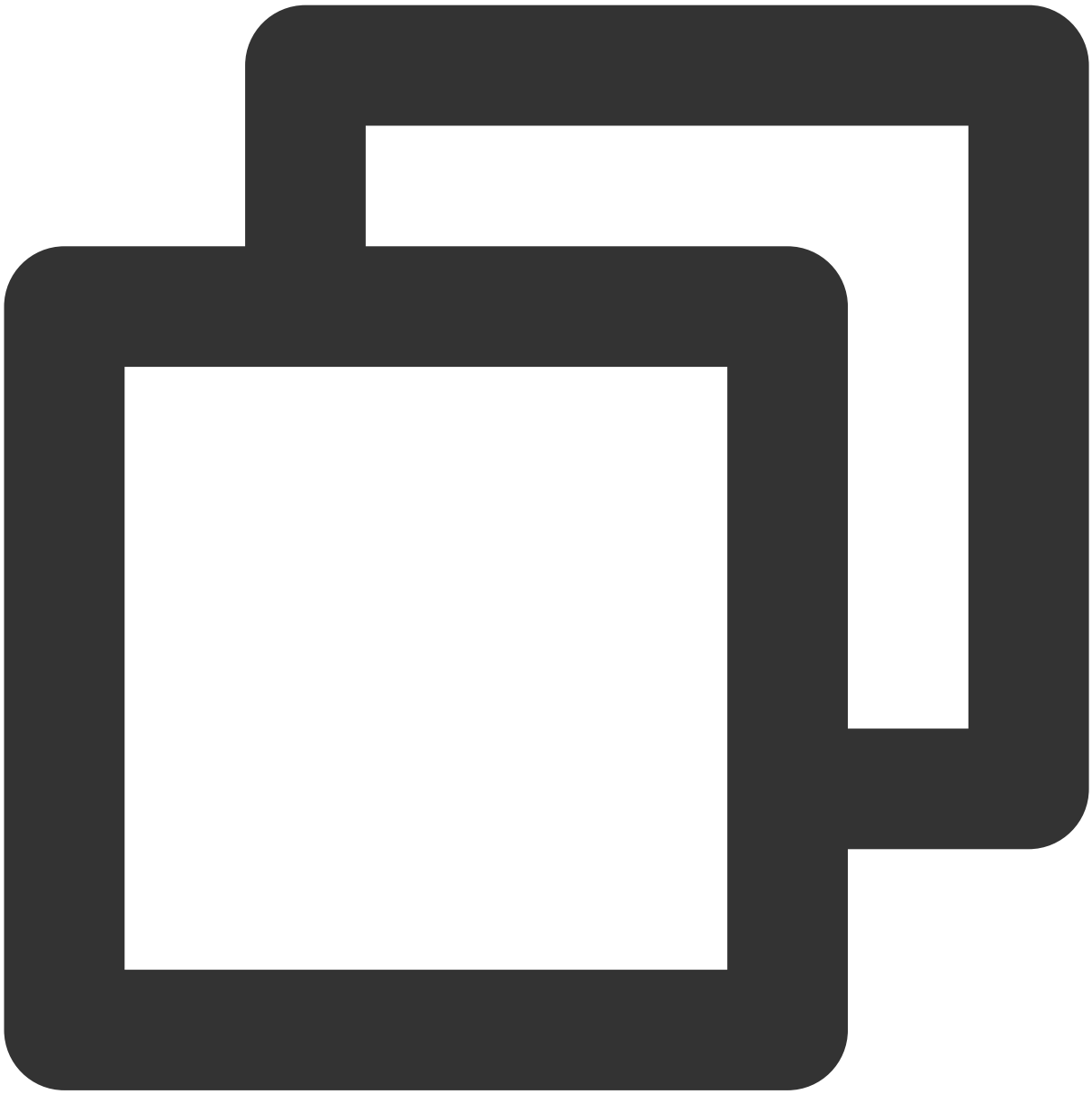
In the following sample, the callback URL configured in the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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www.example.com	Callback URL
SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterNewMemberJoin` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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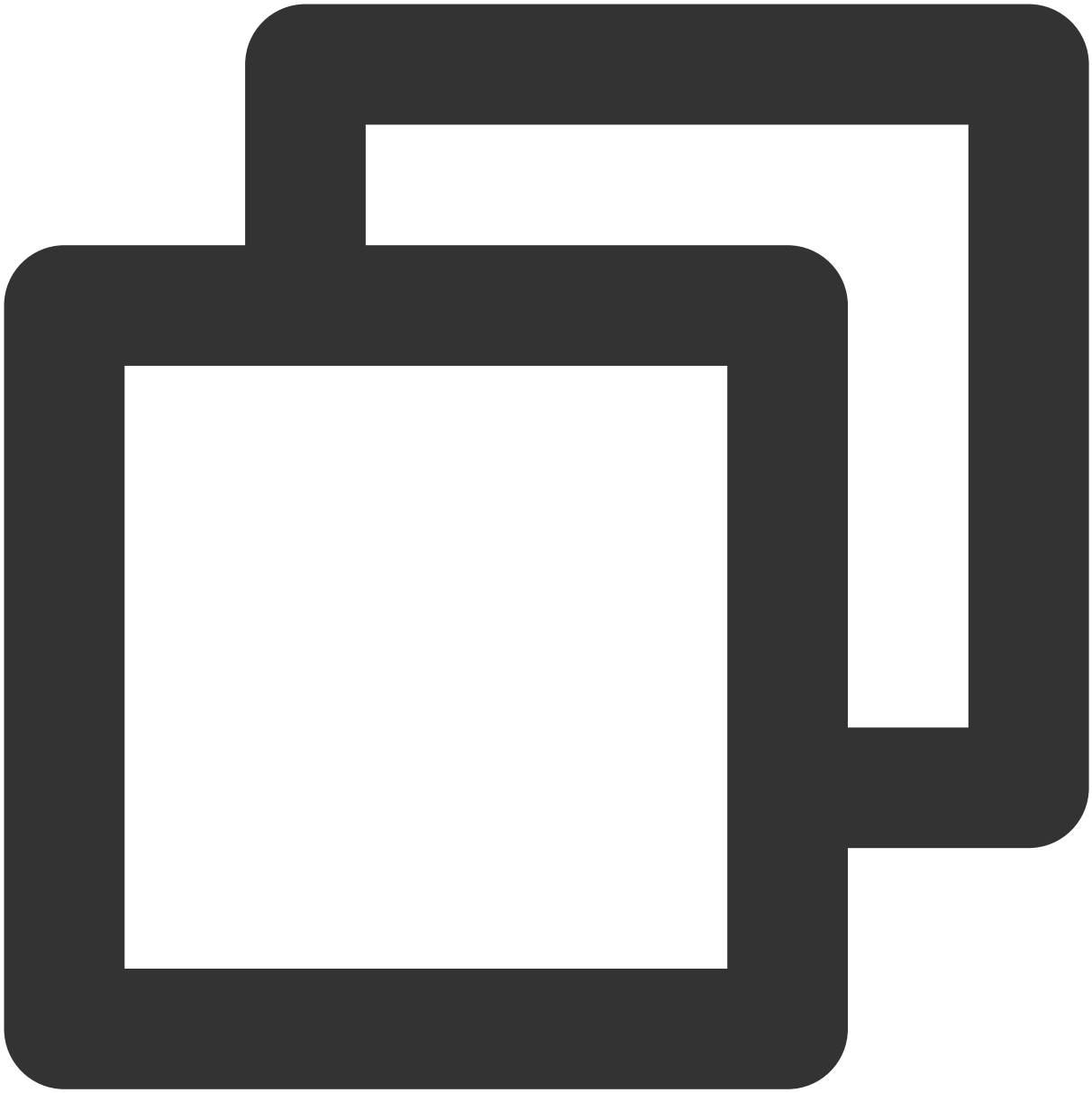

```
{
    "CallbackCommand": "Group.CallbackAfterNewMemberJoin", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",
    "Type": "Public", // Group type
    "JoinType": "Apply", // Group joining mode. Valid values: `Apply` (group join u
    "Operator_Account": "leckie", // Operator
    "NewMemberList": [ // List of new members in the group
        {
            "Member_Account": "jared"
        },
        {
```

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```
            "Member_Account": "tommy"
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Group ID
Type	String	Type of the group to be created (for more information, see Group System), such as `Public` .
JoinType	String	Group joining mode. Valid values: `Apply` (group join upon request); Invited (group join by invitation).
Operator_Account	String	`UserID` of the request sender
NewMemberList	Array	Set of `UserID` values of new group members
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

A response is returned after the app backend syncs the data.

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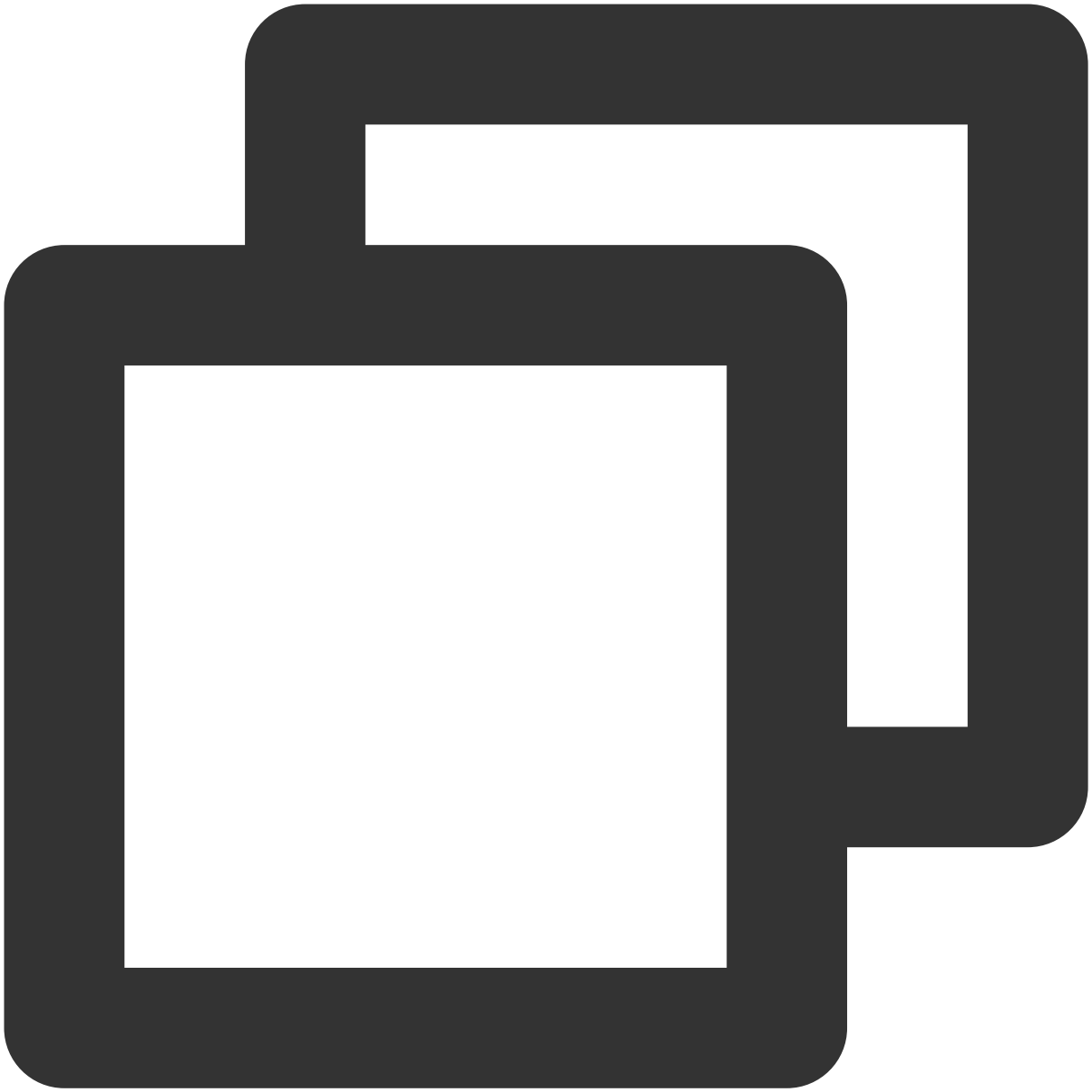

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore the response result
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : successful; `FAIL` : failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates to allow ignoring the response result.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview
Callback After a User Leaves a Group
Callback for Online and Offline Status of Audio-Video Group Members
RESTful API: Adding Group Members

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After a User Leaves a Group

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the group leaving status of users on the app backend. You can record the group leaving information of users in real time, for example, by recording a log or syncing the information to another system.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user leaves the group on the client.
An app user removes a group member from the group on the client.
The app admin deletes a group member through the RESTful API.

Callback Triggering Timing

This callback will be triggered after a user leaves the group or is removed from the group by the group owner/admin.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Example:

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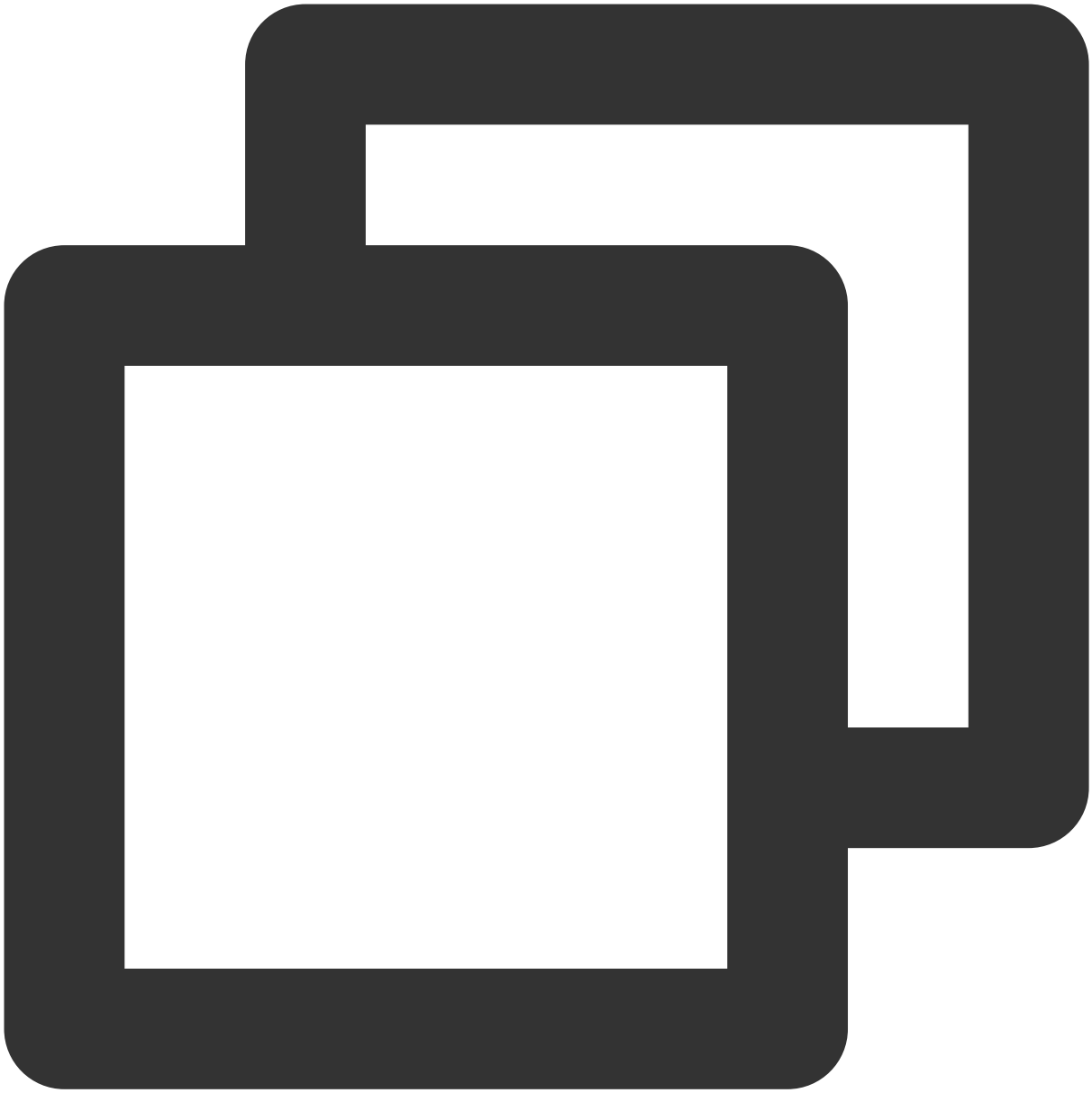

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterMemberExit` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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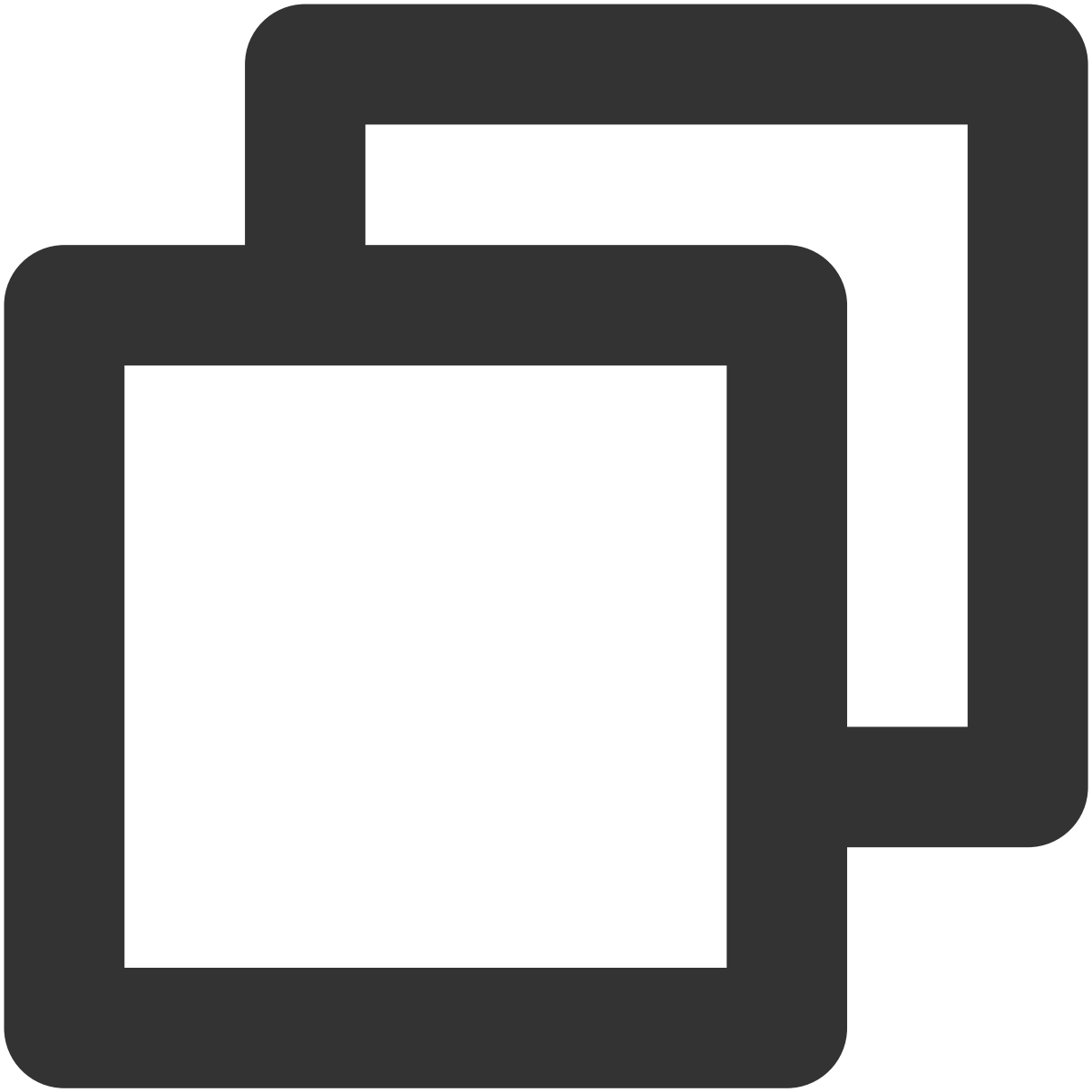

```
{
    "CallbackCommand": "Group.CallbackAfterMemberExit", // Callback command
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "Type": "Public", // Group type
    "ExitType": "Kicked", // Group leaving mode. Valid values: `Kicked` (a member i
    "Operator_Account": "leckie", // Operator
    "ExitMemberList": [ // List of members who left the group
        {
            "Member_Account": "jared"
        },
        {
```

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```
            "Member_Account": "tommy"
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	ID of the group that generates group messages
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
ExitType	String	Group leaving mode. Valid values: `Kicked` (a member is removed from the group); `Quit` (a member leaves the group).
Operator_Account	String	`UserID` of the user leaving the group
ExitMemberList	Array	List of members leaving the group
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

A response is returned after the app backend syncs the data.

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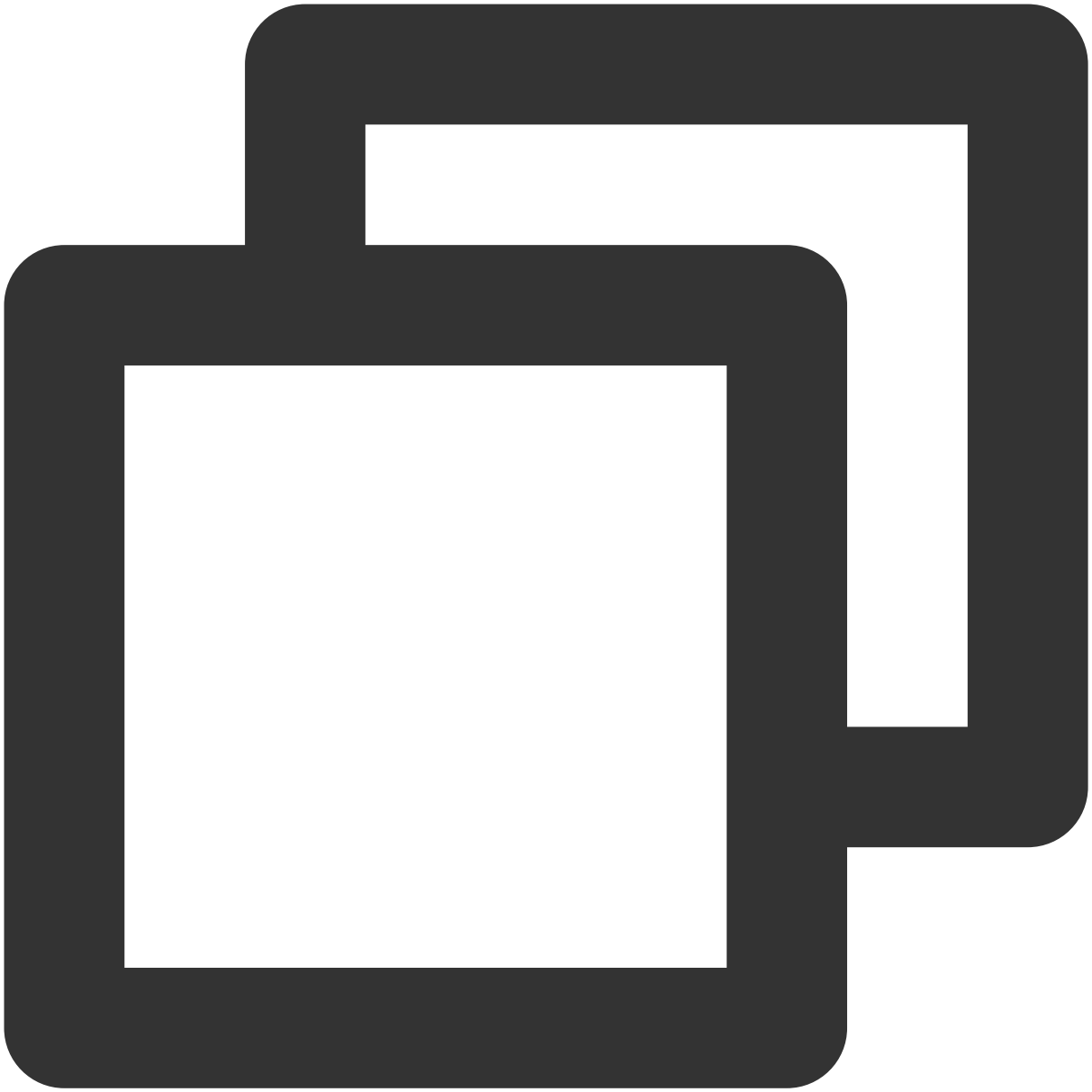

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore the response result
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates to allow ignoring the response result.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

Callback After a User Joins a Group

Callback for Online and Offline Status of Audio-Video Group Members

RESTful API: Deleting Group Members

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Before Group Message Is Sent

Last updated：2024-02-07 17:30:51

Feature Overview

This webhook event is used by the app backend to check users' group messages in real time, including:
Records group messages in real time, for example, by recording a log or synchronizing the messages to other systems.
Blocks users' requests to send messages in a group.
Caution:
The timeout period of the webhook before message sending is two seconds by default, and we recommend you not adjust it. This webhook may time out when used for text moderation. If you need to moderate text, use the content webhook.

Limits

To enable this webhook, you must configure a webhook URL and enable the corresponding switch for this webhook. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

An app user sends a group message on the client.
The app admin sends a group message via RESTful APIs.

Webhook Triggering Timing

The webhook is triggered before the Chat backend sends a group message to group members.

API Calling Description

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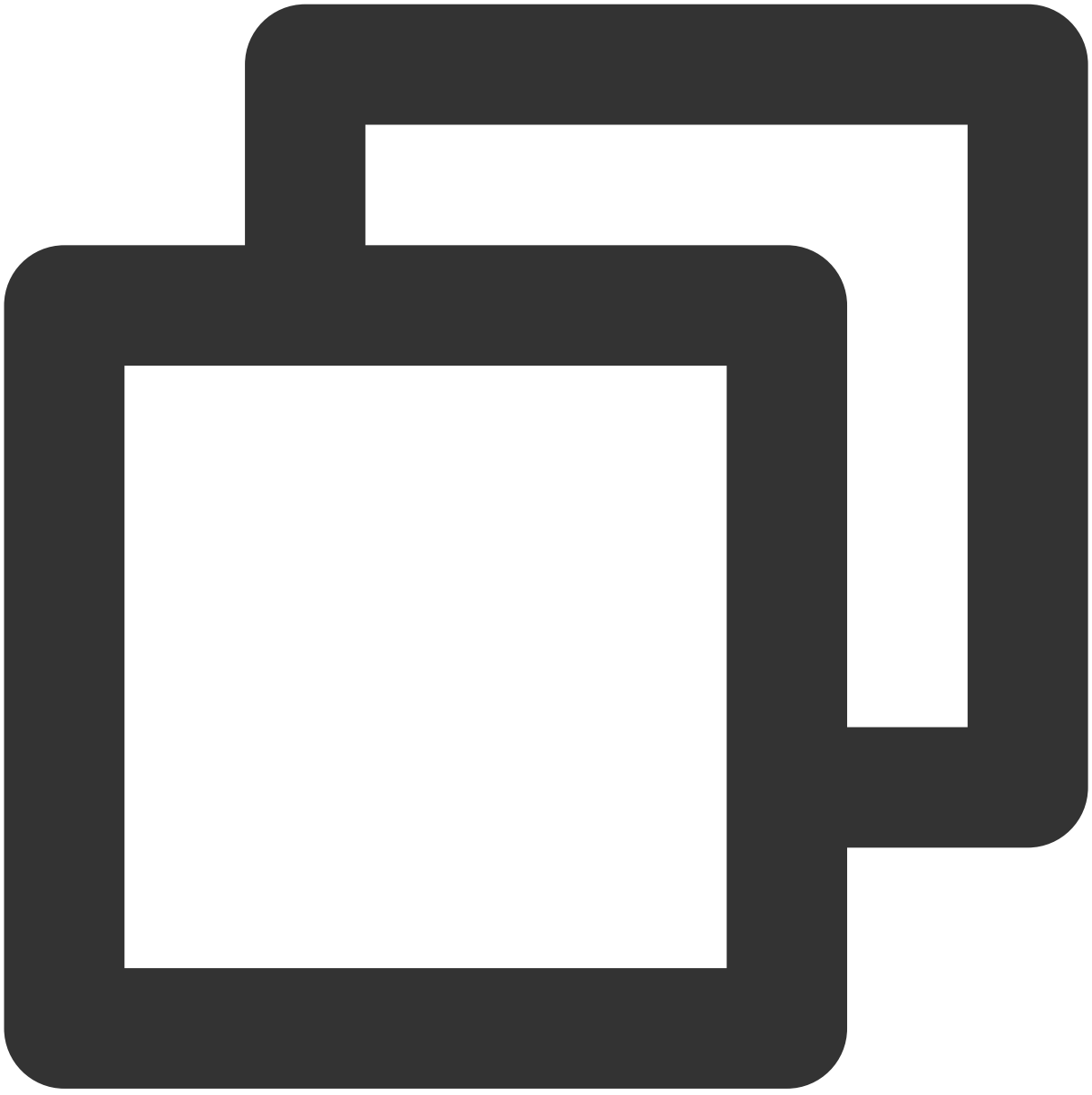
Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description

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https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL
SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackBeforeSendMsg` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Callback Overview.

Sample requests

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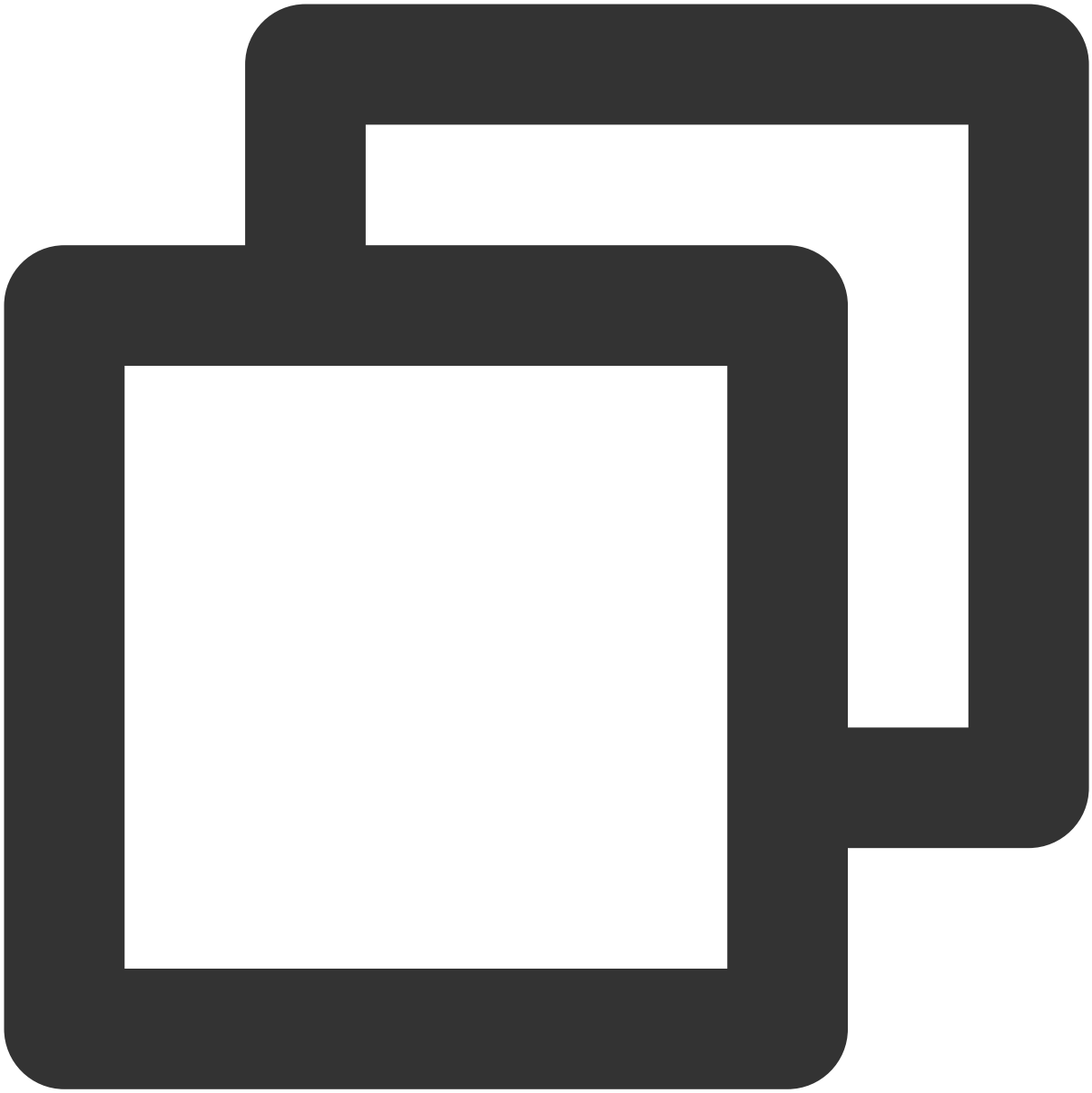

```
{
    "CallbackCommand": "Group.CallbackBeforeSendMsg", // Webhook command
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "Type": "Community", // Group type
    "From_Account": "jared", // Sender
    "Operator_Account":"admin", // Request initiator
    "Random": 123456, // Random number
    "OnlineOnlyFlag": 1, // The value is `1` if it is an online message and `0` (de
    "MsgBody": [ // Message body. For more information, see the `TIMMessage` messag
        {
            "MsgType": "TIMTextElem", // Text
```

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```
            "MsgContent":{
                "Text": "red packet"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "TopicId":"@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",// Topic ID, which applies
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command
GroupId	String	ID of the group that generates group messages
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
From_Account	String	`UserID` of the message sender
Operator_Account	String	`UserID` of the request initiator, based on which the system can identify whether the request is initiated by the admin.
Random	Integer	A 32-bit random number in the request
OnlineOnlyFlag	Integer	The value is `1` if it is an online message and `0` (default) if it's not. For audio-video groups, the value is `0`.
MsgBody	Array	Message body. For more information, see Message Formats.
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.
TopicId	String	Topic ID, which indicates message sending in the topic and applies only to topic-enabled communities.
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

Allowing group message sending

The user is allowed to send group messages, and the content of the message is not modified.

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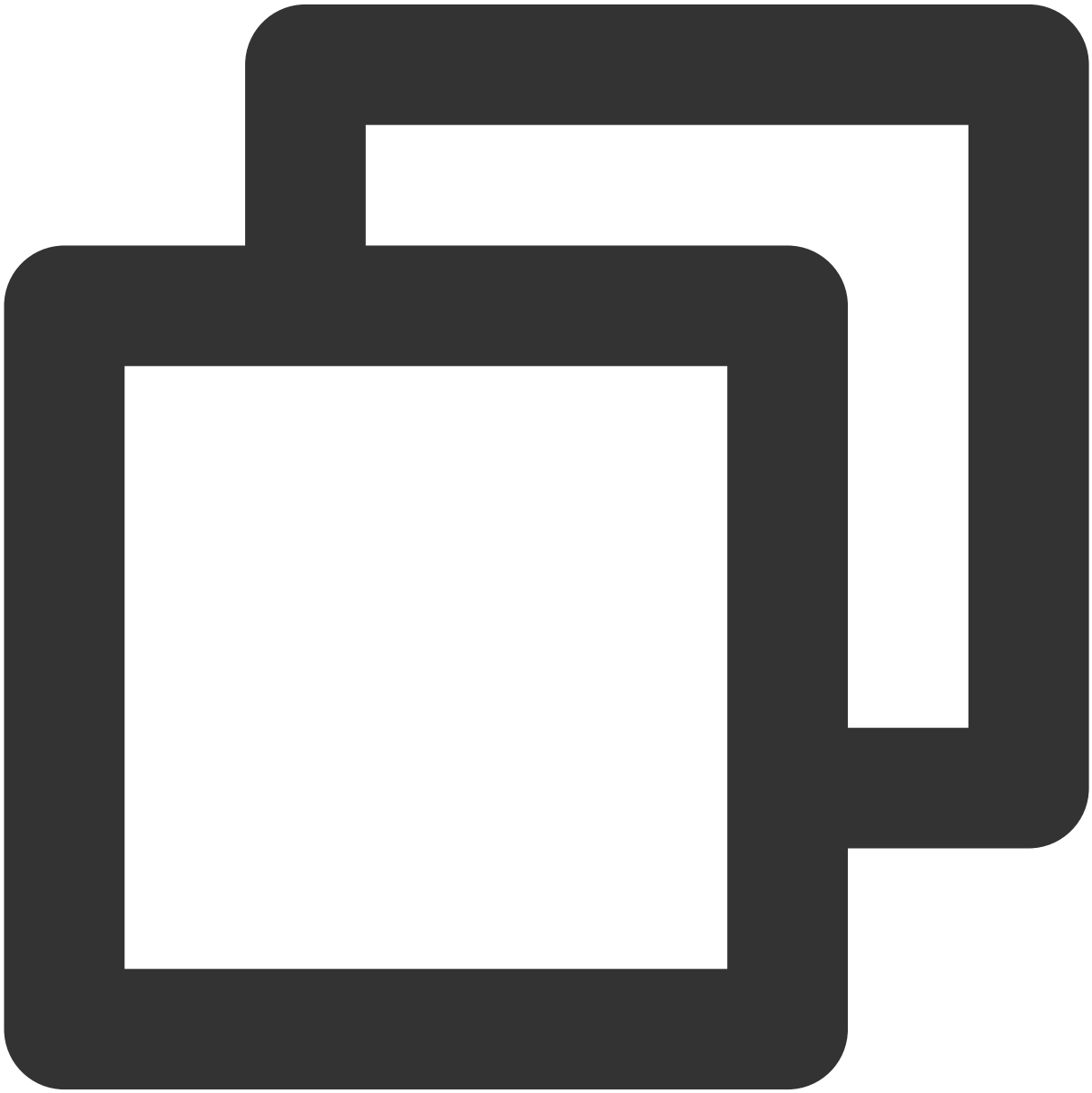

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // `0` indicates the user is allowed to send messages.
}
```

Forbidding group message sending

The user is not allowed to send group messages. In this case, the message is not sent, and the error code `10016` is returned to the caller.

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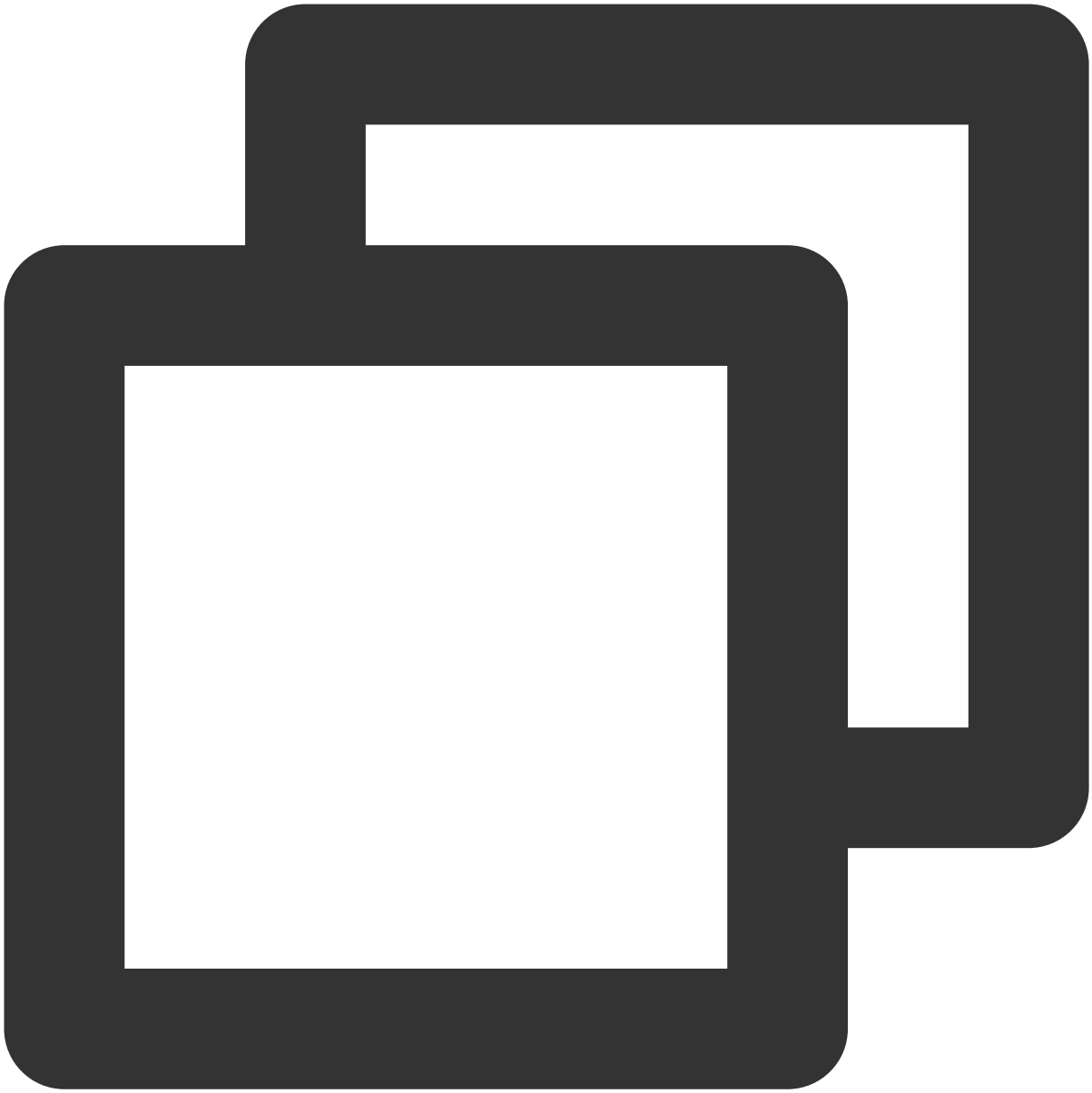

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // `1` indicates that the user is not allowed to send messages.
}
```

Discarding messages silently

The user is not allowed to send group messages. In this case, the message is not sent, but a success message will be returned to the caller.

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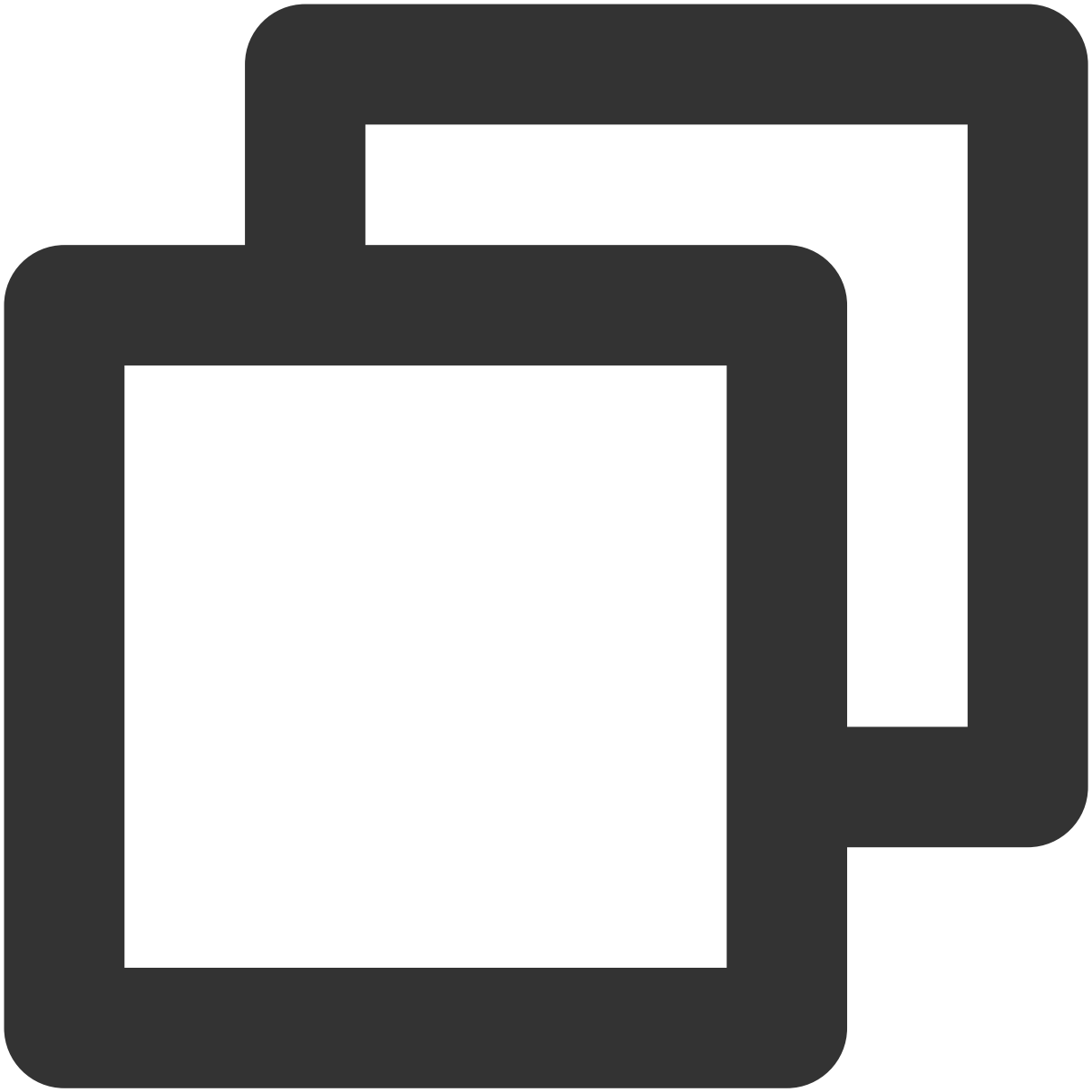

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 2 // The value `2` indicates the message is silently discarded.
}
```

Modifying the message content

In the following response sample, the group message sent by the user is modified (a custom message is added), and the Chat backend will send the modified message. With this feature, the app backend can add special content, such

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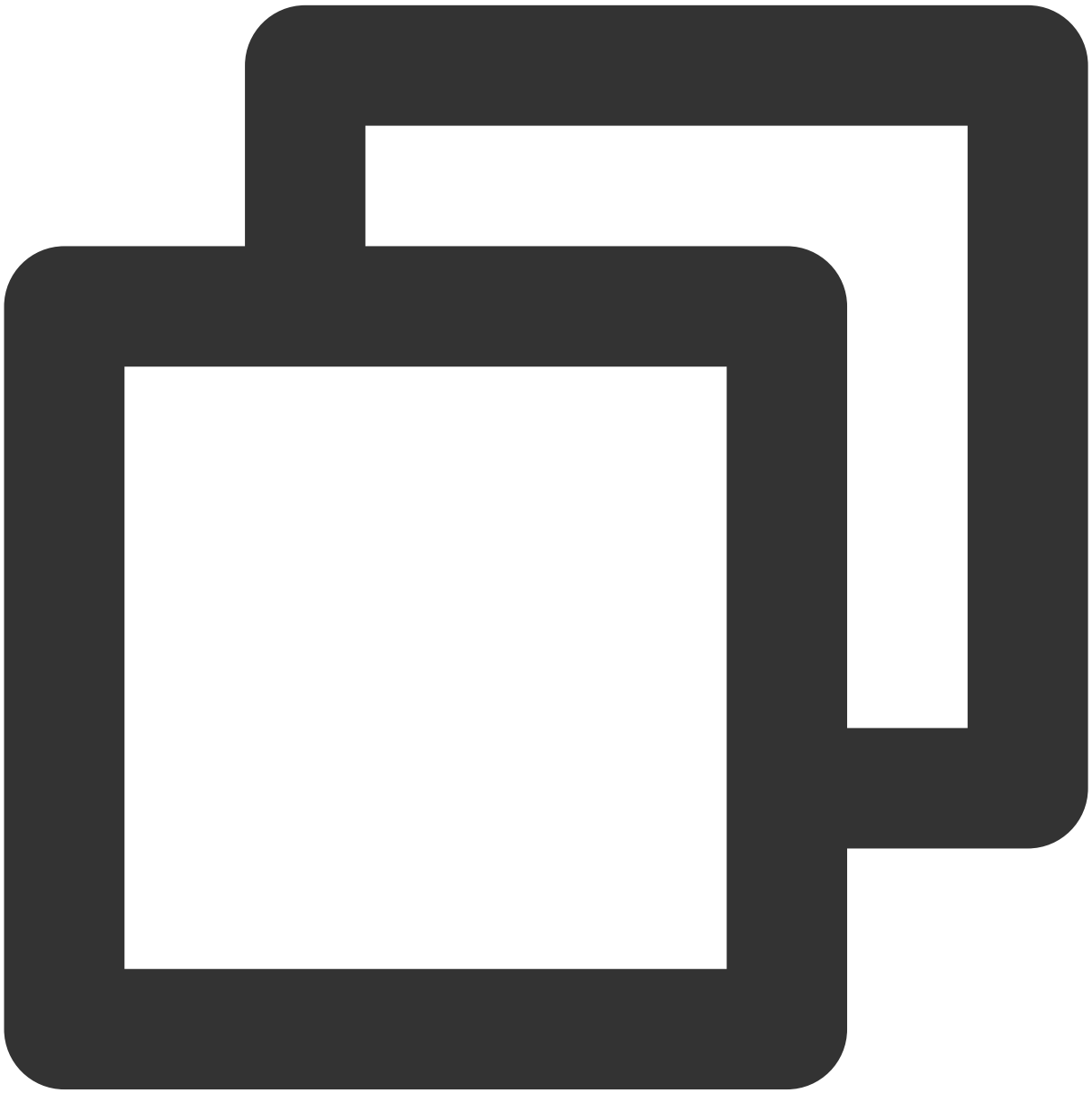
as the user level and title, to the message sent by the user.



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0, // This field must be set to `0` so that the modified message c
    "MsgBody": [ // Message modified by the app backend. If the app backend does no
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent":{
                "Text": "red packet"
```

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```
            }
        },
        {
            "MsgType": "TIMCustomElem", // Custom message
            "MsgContent":{
                "Desc": "CustomElement.MemberLevel", // Description
                "Data": "LV1" // Data
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code returned. `0` : allows group message sending; `1` : forbids group message sending; `2` : discards the message silently. If the business side wants to forbid a user to send group messages and send `ErrorCode` and `ErrorInfo` to the client, ensure that the value of `ErrorCode` is set within the range of [10100, 10200].
ErrorInfo	String	Yes	Error information
MsgBody	Array	No	Message body modified by the app backend. The Chat backend sends the modified message to the group. For more information on the format, see Message Formats.
CloudCustomData	String	No	Custom message data. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled.

References

Webhook Callback Overview

RESTful API: Sending Ordinary Messages in a Group

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After a Group Message Is Sent

Last updated：2024-02-07 17:30:51

Feature Overview

This webhook event is used by the app backend to check users' group messages in real time. The app backend can be notified when a group message is sent successfully and can synchronize the data as required.

Limits

To enable this webhook, you must configure a callback URL and enable the corresponding switch for this webhook. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

An app user sends a group message on the client.
The app admin sends a group message via RESTful APIs.

Webhook Triggering Timing

The webhook is triggered after a group message is sent successfully.

API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .
Example:

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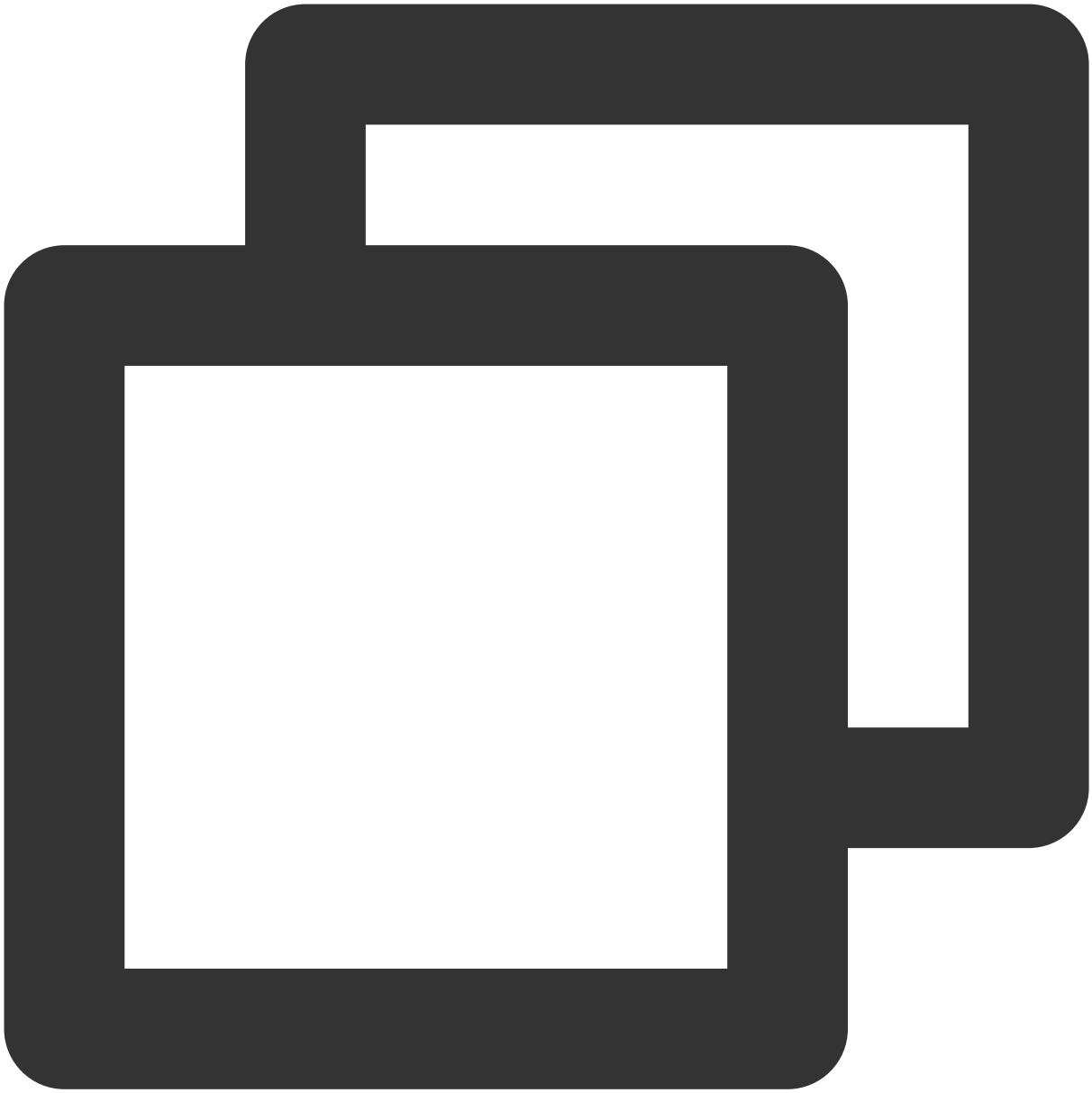

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL

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SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterSendMsg` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Webhook Overview.

Sample requests

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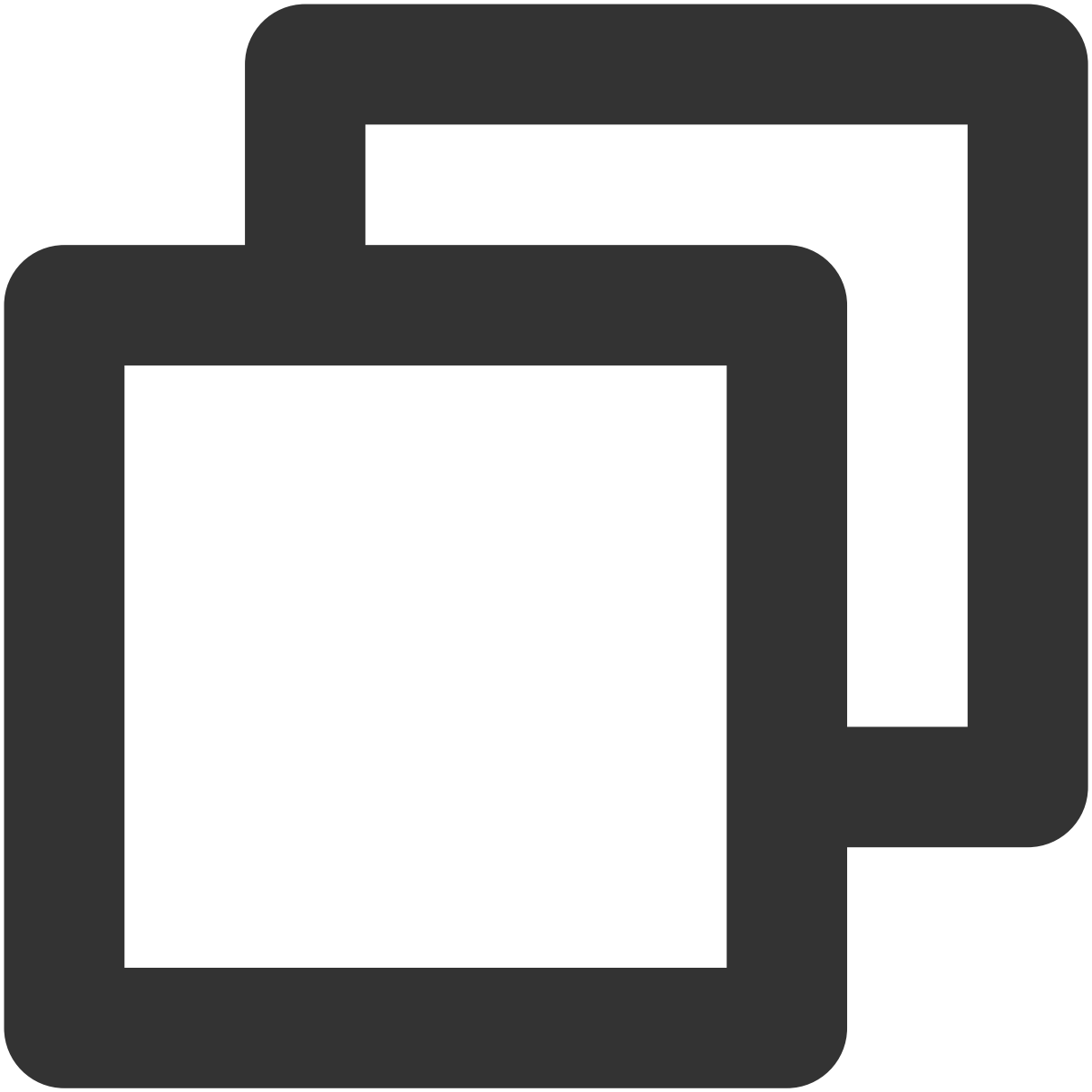

```
{
    "CallbackCommand": "Group.CallbackAfterSendMsg", // Webhook command
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "Type": "Public", // Group type
    "From_Account": "jared", // Sender
    "Operator_Account":"admin", // Request initiator
    "Random": 123456, // Random number
    "MsgSeq": 123, // Sequence number of the message
    "MsgTime": 1490686222, // Time of the message
    "OnlineOnlyFlag": 1, // The value is `1` if it is an online message and `0` (de
    "MsgBody": [ // Message body. For more information, see the `TIMMessage` messag
```

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```
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent":{
                "Text": "red packet"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command
GroupId	String	ID of the group that generates group messages
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
From_Account	String	`UserID` of the message sender
Operator_Account	String	`UserID` of the request initiator, based on which the system can identify whether the request is initiated by the admin.
Random	Integer	A 32-bit random number in the request
MsgSeq	Integer	Message sequence number, which uniquely identifies a message Group messages are sorted by `MsgSeq`. The larger the `MsgSeq` value, the lower a message ranks.
MsgTime	Integer	Message sending timestamp, corresponding to the backend server time
OnlineOnlyFlag	Integer	The value is `1` if it is an online message and `0` (default) if it's not. For audio-video groups, the value is `0`.
MsgBody	Array	Message body. For more information, see Message Formats.
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the receiver. Such data can be pulled after the app is uninstalled and reinstalled.
TopicId	String	Topic ID, which indicates message sending in the topic and applies only to topic-enabled communities.
EventTime	Integer	Event trigger timestamp in milliseconds

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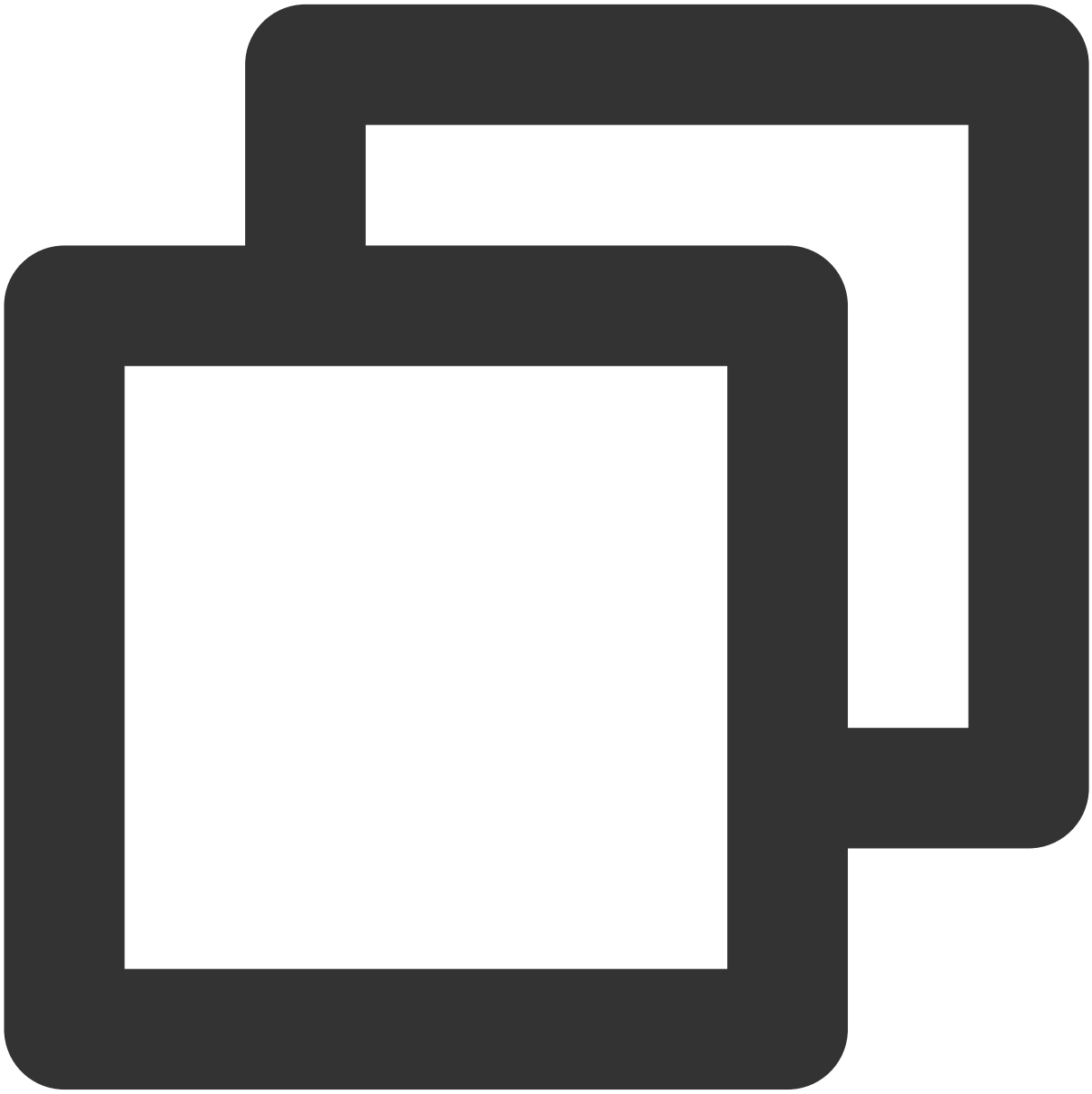
Sample response

A response is sent after the app backend synchronizes the data.



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 //The value `0` indicates that the webhook result is ignored.
}
```

Response fields

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Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the webhook result is ignored.
ErrorInfo	String	Yes	Error information

References

Webhook Overview

RESTful APIs: Sending Ordinary Messages in a Group

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After a Group Is Full

Last updated：2024-02-07 17:30:51

Feature Overview

This webhook event is used by the app backend to check the status of a full group in real time. For example, when some inactive group members are removed so that new users can join the group, this webhook will be sent to the app backend.

Notes

To enable this webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

An app user requests to join a group on the client.
An app user invites another user to join a group on the client.
The app admin adds a group member via RESTful APIs.

Webhook Triggering Timing

This webhook is triggered when the group is full after a new member has joined, or when the group is full and a new member fails to join.

API Calling Description

Sample request URL

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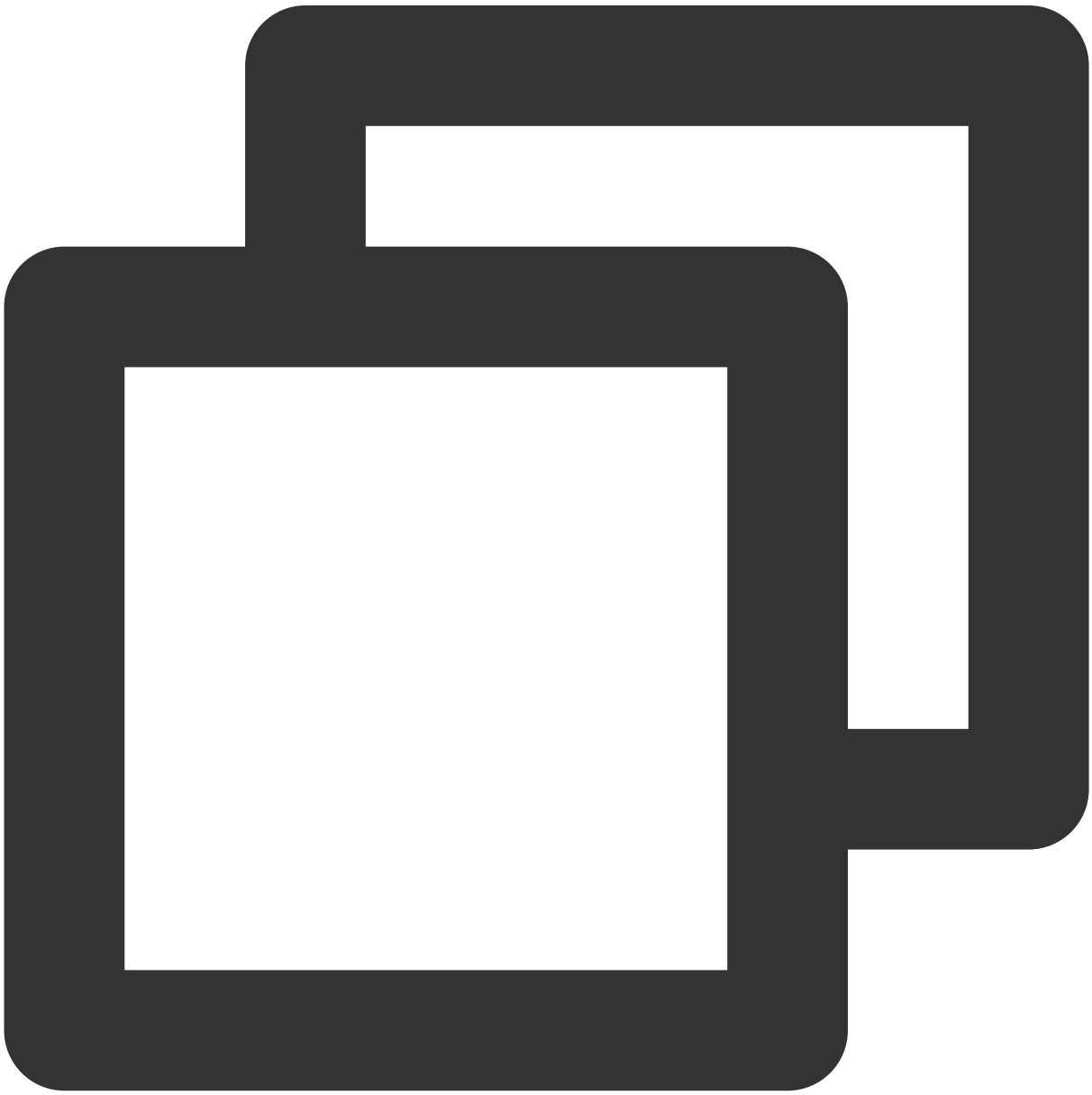
In the following sample, the webhook URL configured in the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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www.example.com	Webhook URL
SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterGroupFull` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Overview.

Sample request

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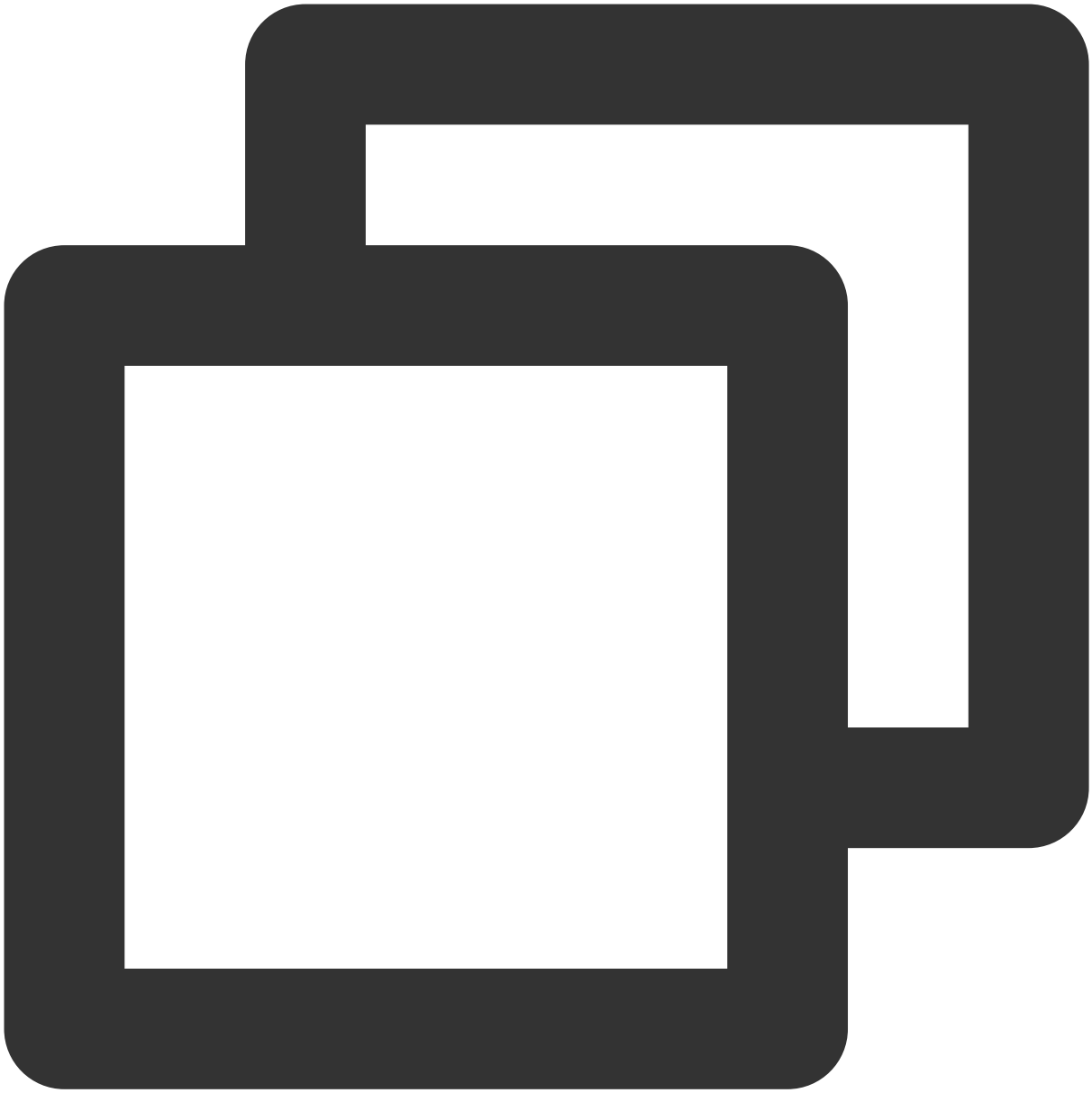

```
{
    "CallbackCommand": "Group.CallbackAfterGroupFull", // Webhook command
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description

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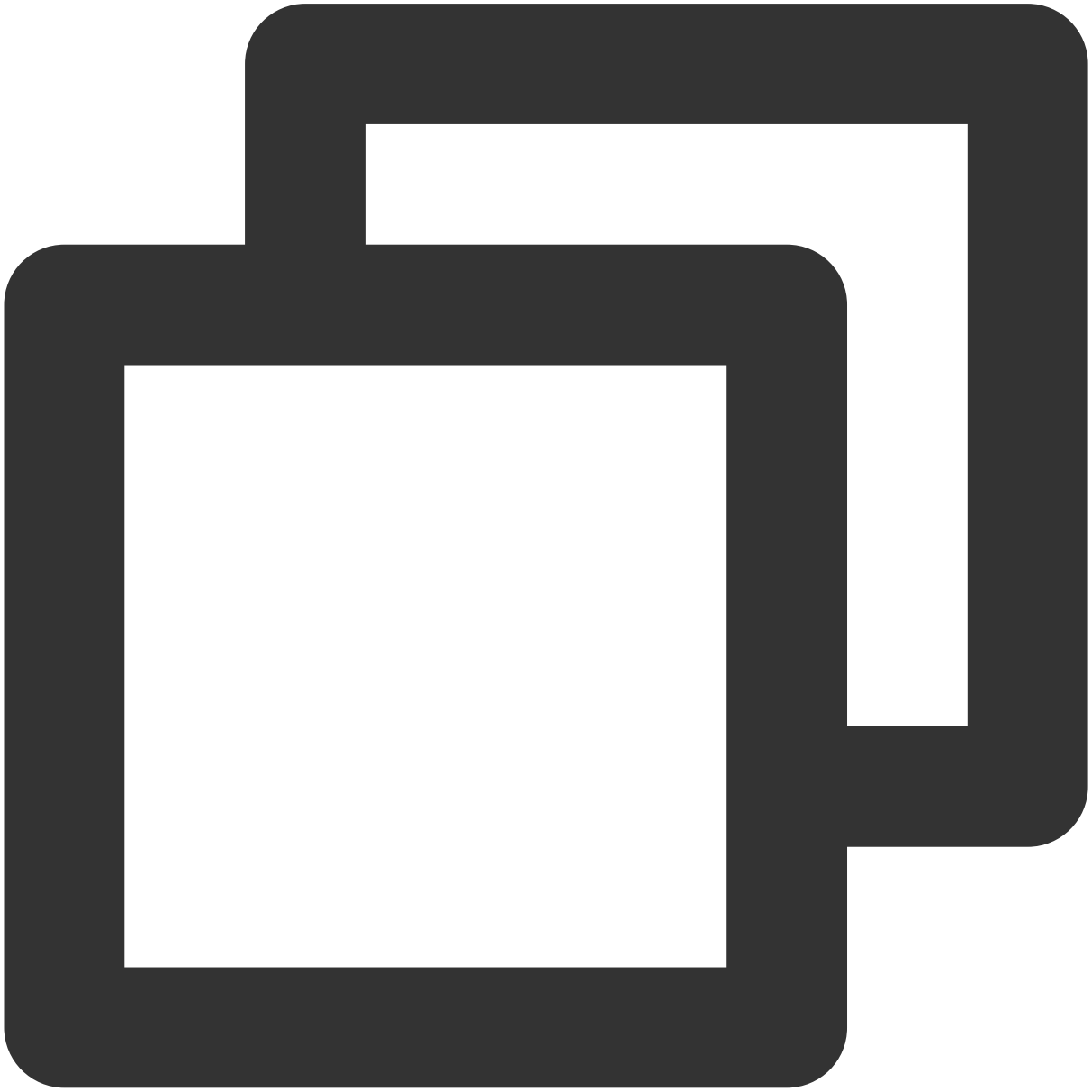
CallbackCommand	String	Webhook command
GroupId	String	ID of the full group
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

The app backend records the group full information and sends the webhook response packet.



```
{
```

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```
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // The value `0` indicates that the response result is ignored.
}
```

Response fields

Field	Type	Required	Description
ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the response result is ignored.
ErrorInfo	String	Yes	Error information

References

Webhook Overview

RESTful API: Deleting Group Members

RESTful API: Adding Group Members

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After a Group Is Disbanded

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the group disbanding status in real time on the backend. You can record the group disbanding information in real time, for example, by recording a log or syncing the information to another system.

Notes

To enable this callback, you must configure a callback URL and toggle on the corresponding protocol. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user disbands a group on the client.
The app admin disbands a group through the RESTful API.

Callback Triggering Timing

This callback will be triggered after a group is disbanded.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com`.
Example:

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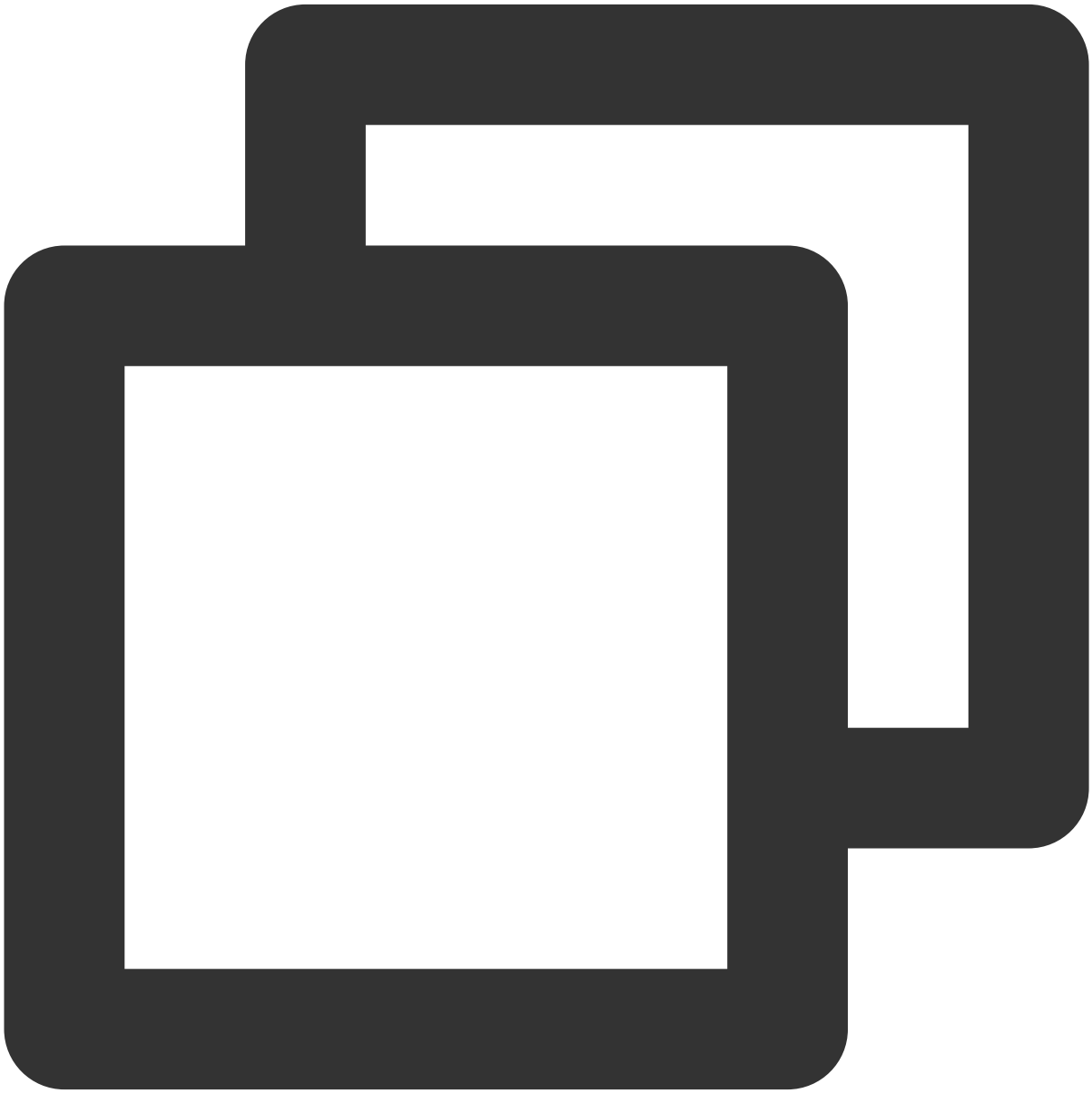

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterGroupDestroyed`.
contenttype	Fixed value: `JSON`.
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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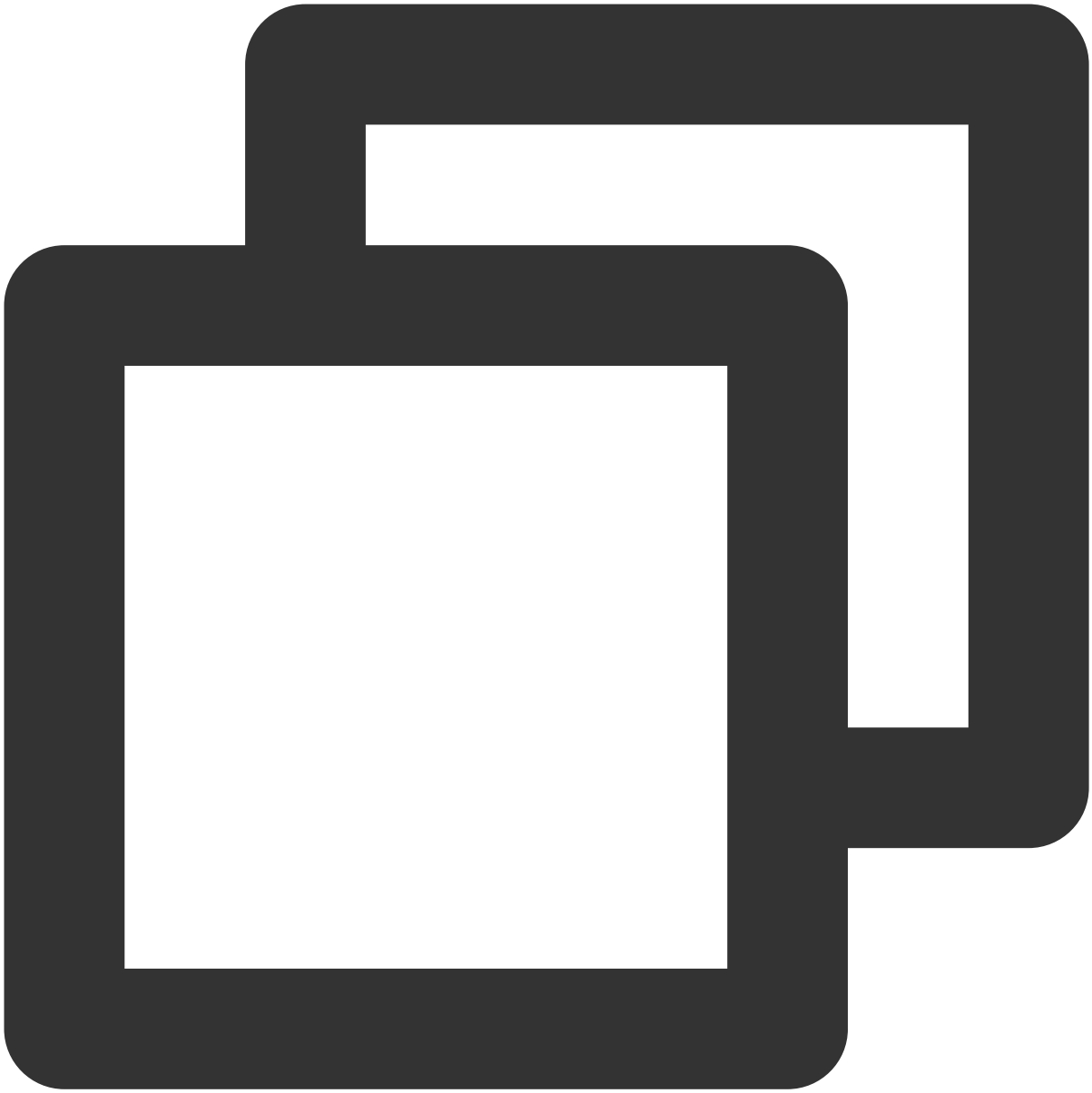

```
{
    "CallbackCommand": "Group.CallbackAfterGroupDestroyed", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",
    "Type": "Public", // Group type
    "Owner_Account": "leckie", // Group owner
    "Name": "MyFirstGroup", // Group name
    "MemberList" : [ //Members of the group to be disbanded
        {
            "Member_Account": "leckie"
        },
        {
```

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```
            "Member_Account": "peter"
        },
        {
            "Member_Account": "bob"
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	ID of the group to be disbanded
Type	String	Type of the group to be disbanded (for more information, see Group System), such as `Public`
Owner_Account	String	`UserID` of the group owner
MemberList	Array	List of members of the group to be disbanded. This field will not be returned for communities.
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

A response is sent after the app backend records the group disbanding information.

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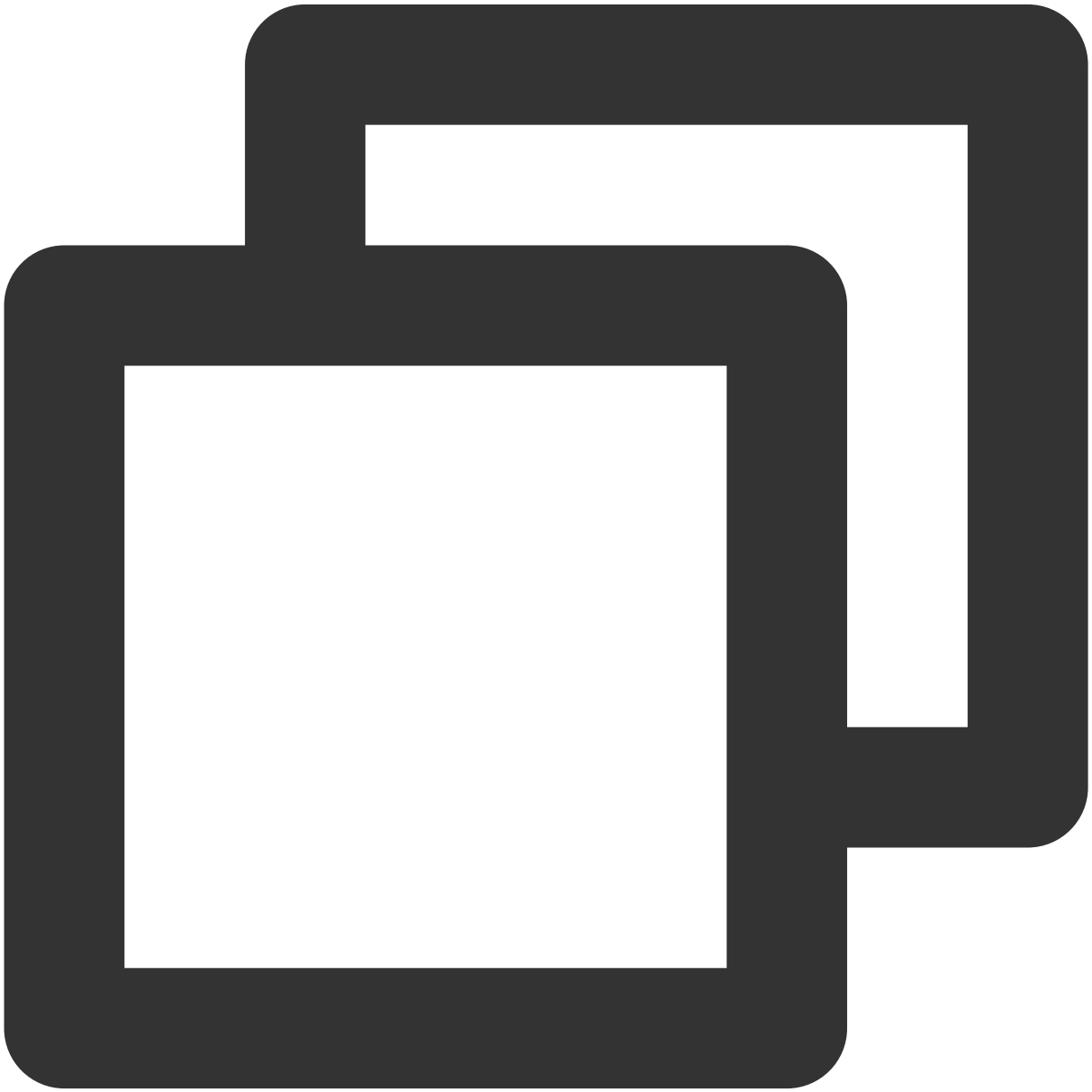

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Required	Error code. We recommend you set it to `0` . This callback is used to notify users of the topic deletion. The error code value of the user doesn't affect the deletion process.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

RESTful API: Disbanding a Group

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After Group Profile Is Modified

Last updated：2024-02-07 17:30:51

Feature Overview

This webhook event allows you to view the changes in the group profile (group name, group introduction, group notice, and group profile photo) in real time on the app backend. Specifically, you can view the real-time log of the changed group profile or sync the information to other systems.

Notes

To enable this webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

Webhook triggering content

A group profile includes basic group information and custom group fields. For details, see Group System.
Currently, this webhook may be triggered by a change in the group name, group introduction, group notice, or group profile photo URL, and will not be triggered by a change in other basic group information.

Webhook triggering methods

App users modify group profiles through the client.
App admins modify group profiles through RESTful APIs.

Webhook Triggering Timing

This webhook is triggered when the basic information of a group is modified.

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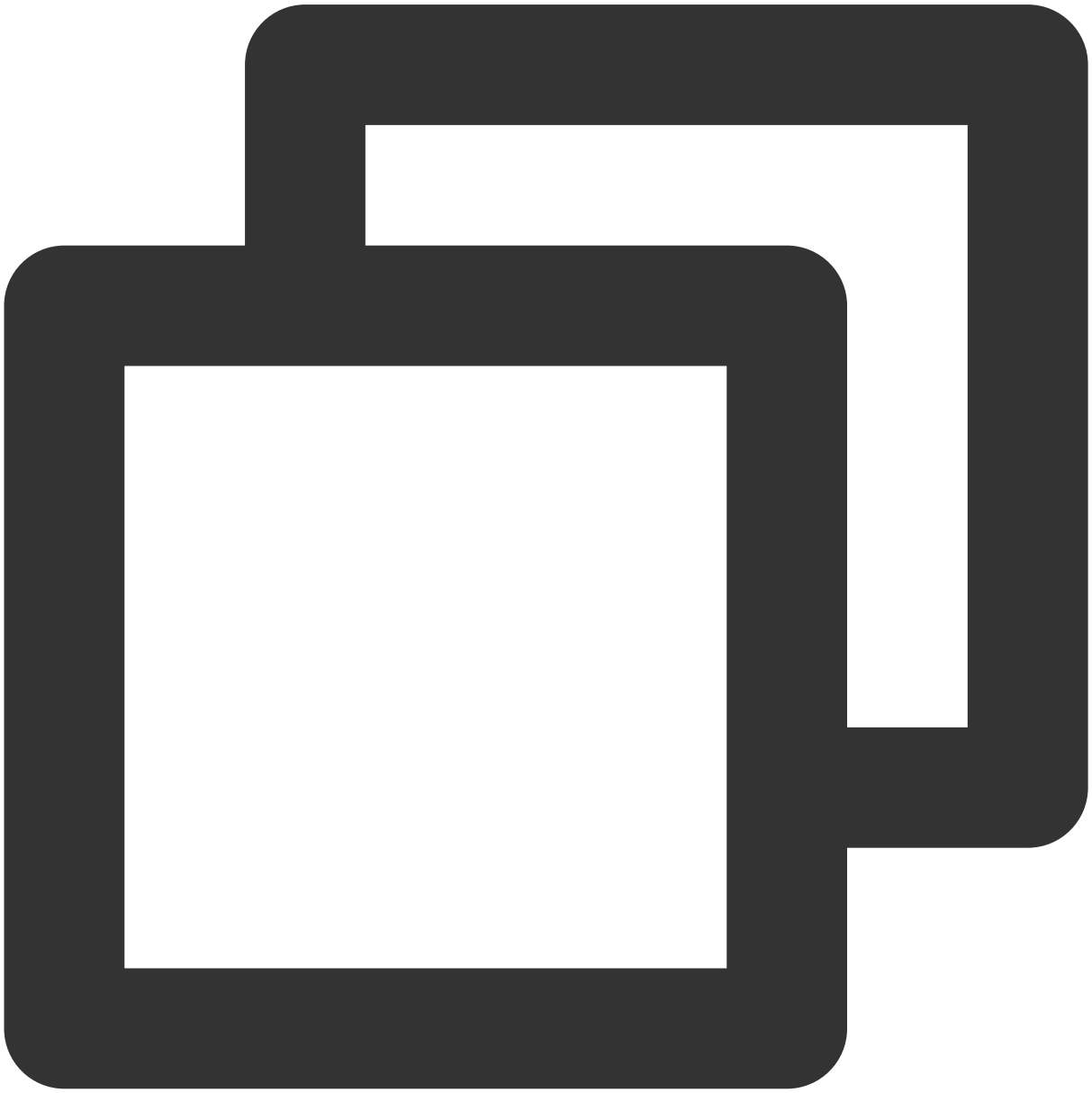
API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

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Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL
SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterGroupInfoChanged` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Overview.

Sample request

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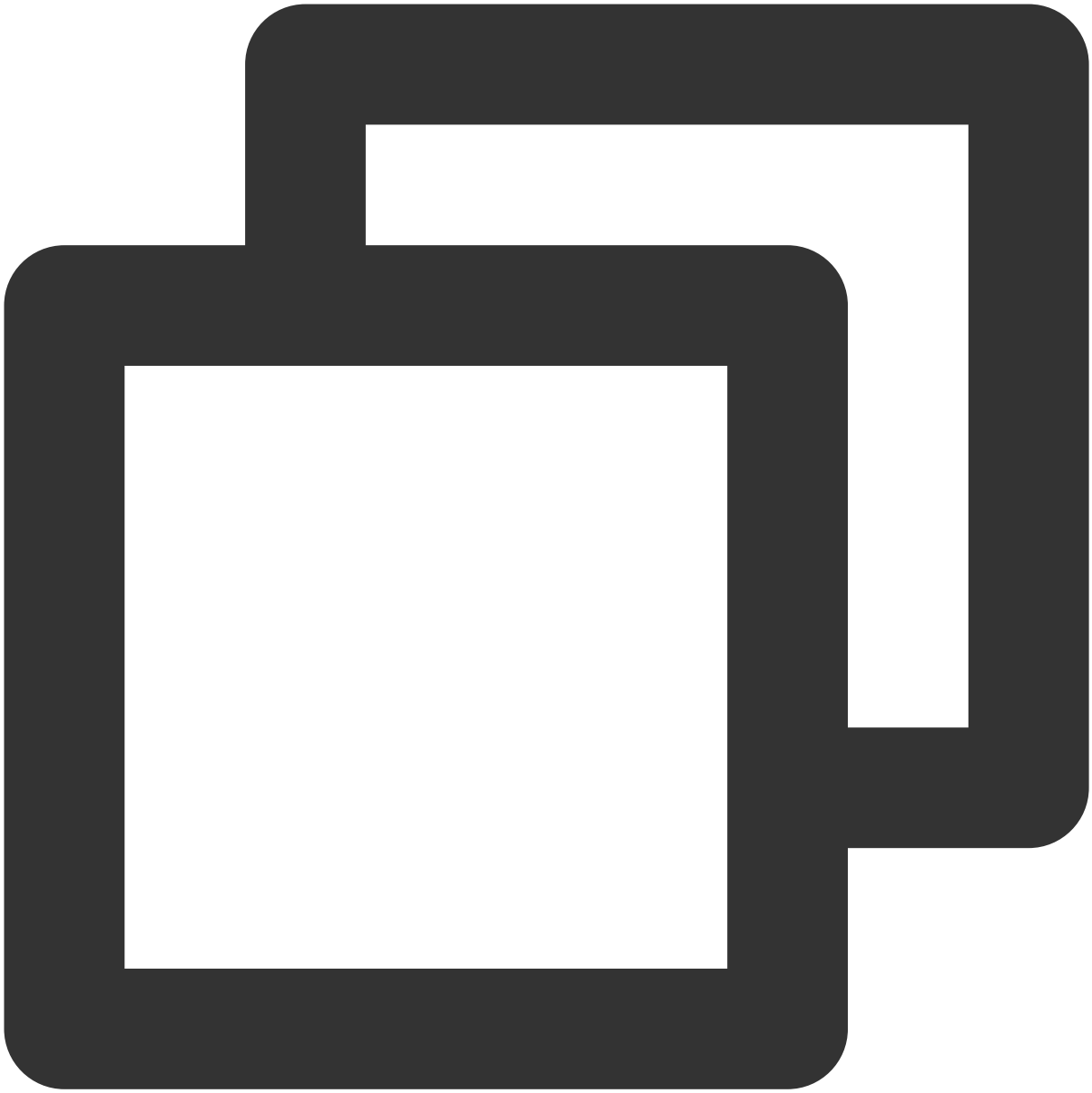

```
{
    "CallbackCommand": "Group.CallbackAfterGroupInfoChanged", // Webhook command
    "GroupId" : "@TGS#2J4SZEAEL",
    "Type": "Public", // Group type
    "Operator_Account": "leckie", // Operator
    "Notification": "NewNotification", // New group notice
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

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Field	Type	Description
CallbackCommand	String	Webhook command
GroupId	String	ID of the group whose profile is modified
Type	String	Type of the group whose profile is modified, such as `Public`. For details, see the **Group Types** section in Group System.
Operator_Account	String	`UserID` of the operator
Name	String	New group name
Introduction	String	New group introduction
Notification	String	New group announcement
FaceUrl	String	New group profile photo URL
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

The application backend records the group profile change information and sends the callback response packet.

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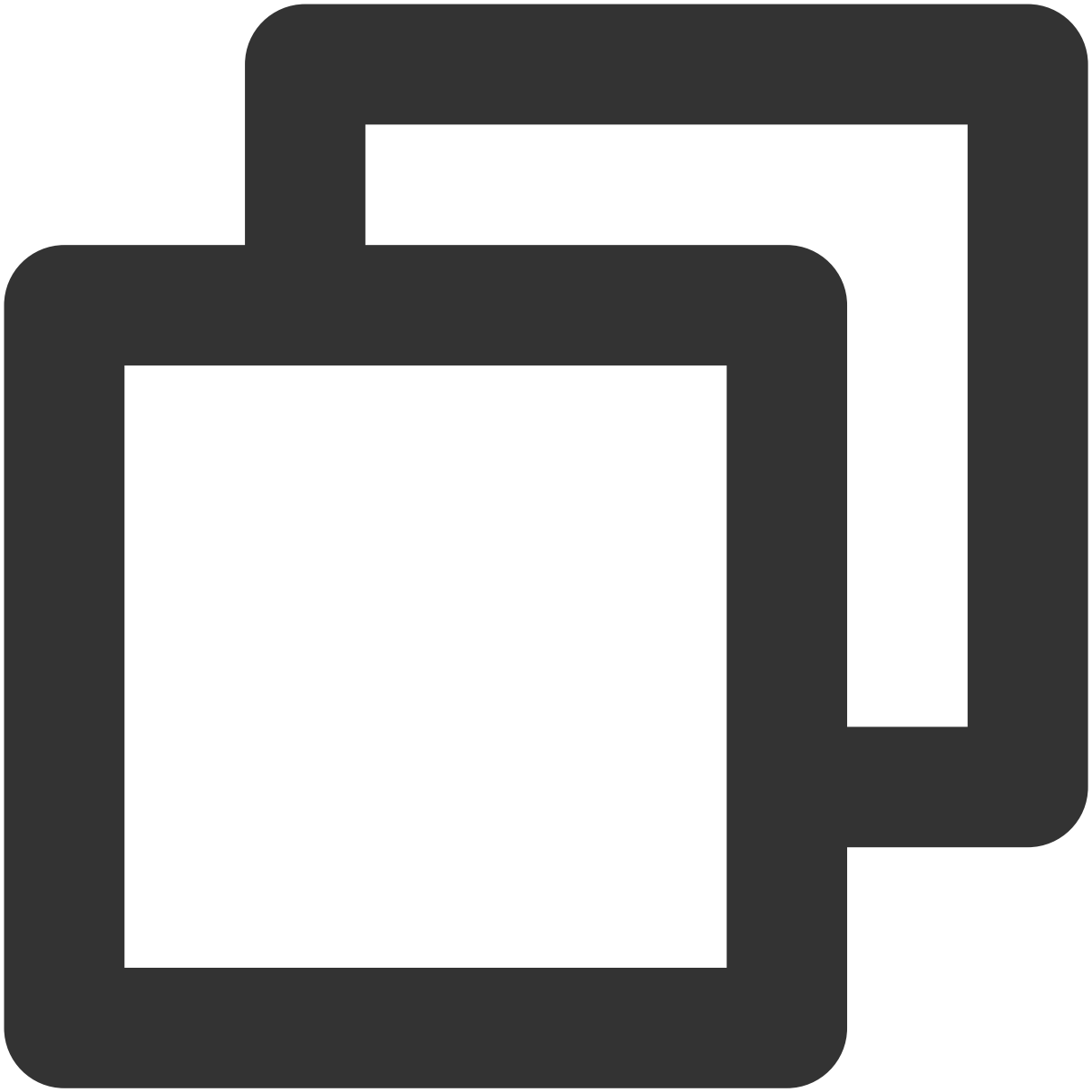

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // The value `0` indicates that the response result is ignored.
}
```

Response fields

Object	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the response result is ignored.
ErrorInfo	String	Yes	Error information

References

Webhook Overview

RESTful API: Modifying the Profile of a Group

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Callback After Recalling Group Messages

Last updated：2024-02-07 17:30:52

Overview

This webhook event is used by the app backend to check the recalls of group messages in real time.

Notes

To enable this webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

An app user recalls a group message on the client.
An app admin recalls a group message via calling the RESTful API.

Webhook Triggering Timing

After a group message is recalled successfully

API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .
Example:

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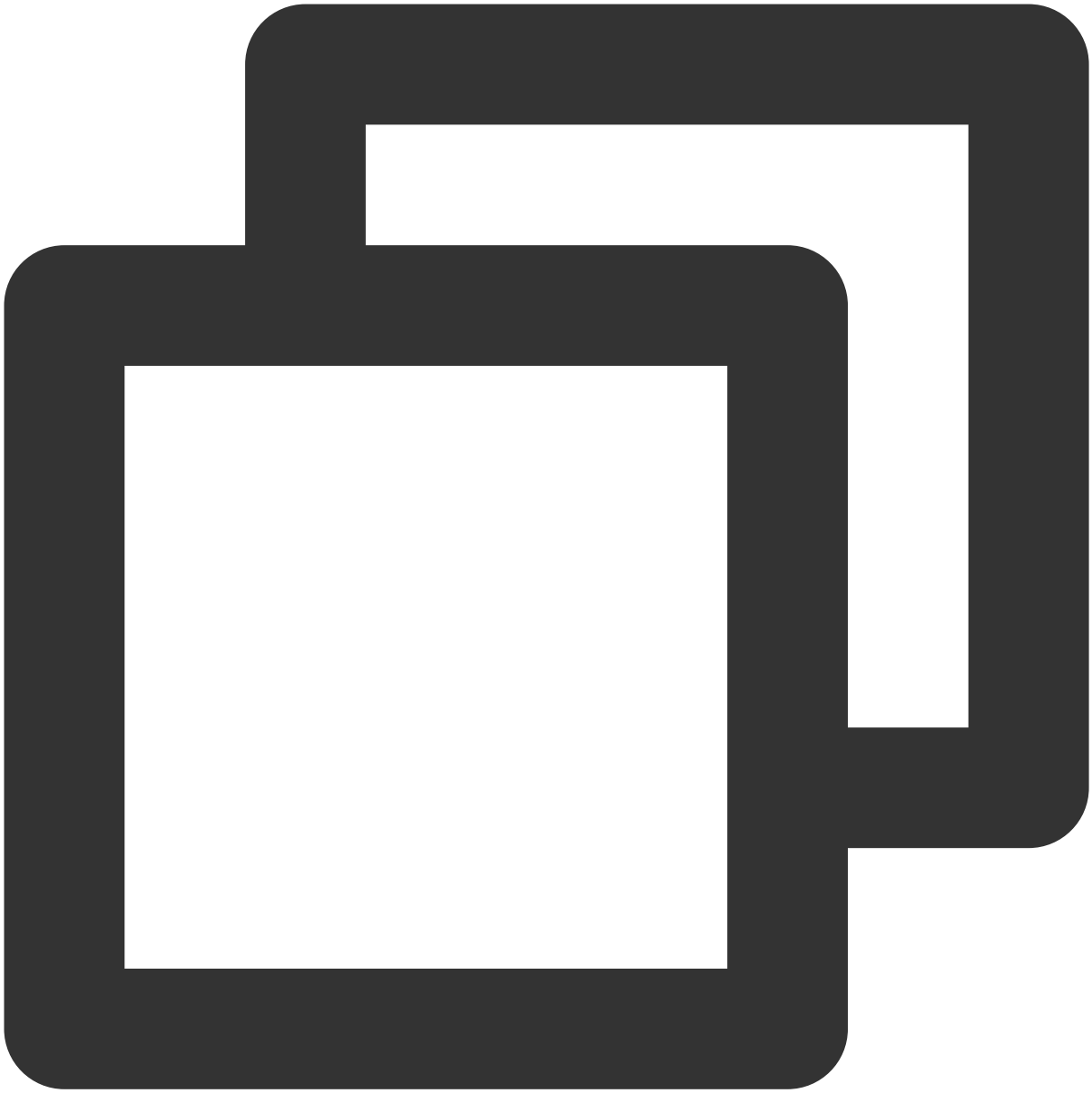

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL

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SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterRecallMsg` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Webhook Protocols** section of Webhook Overview.

Sample request

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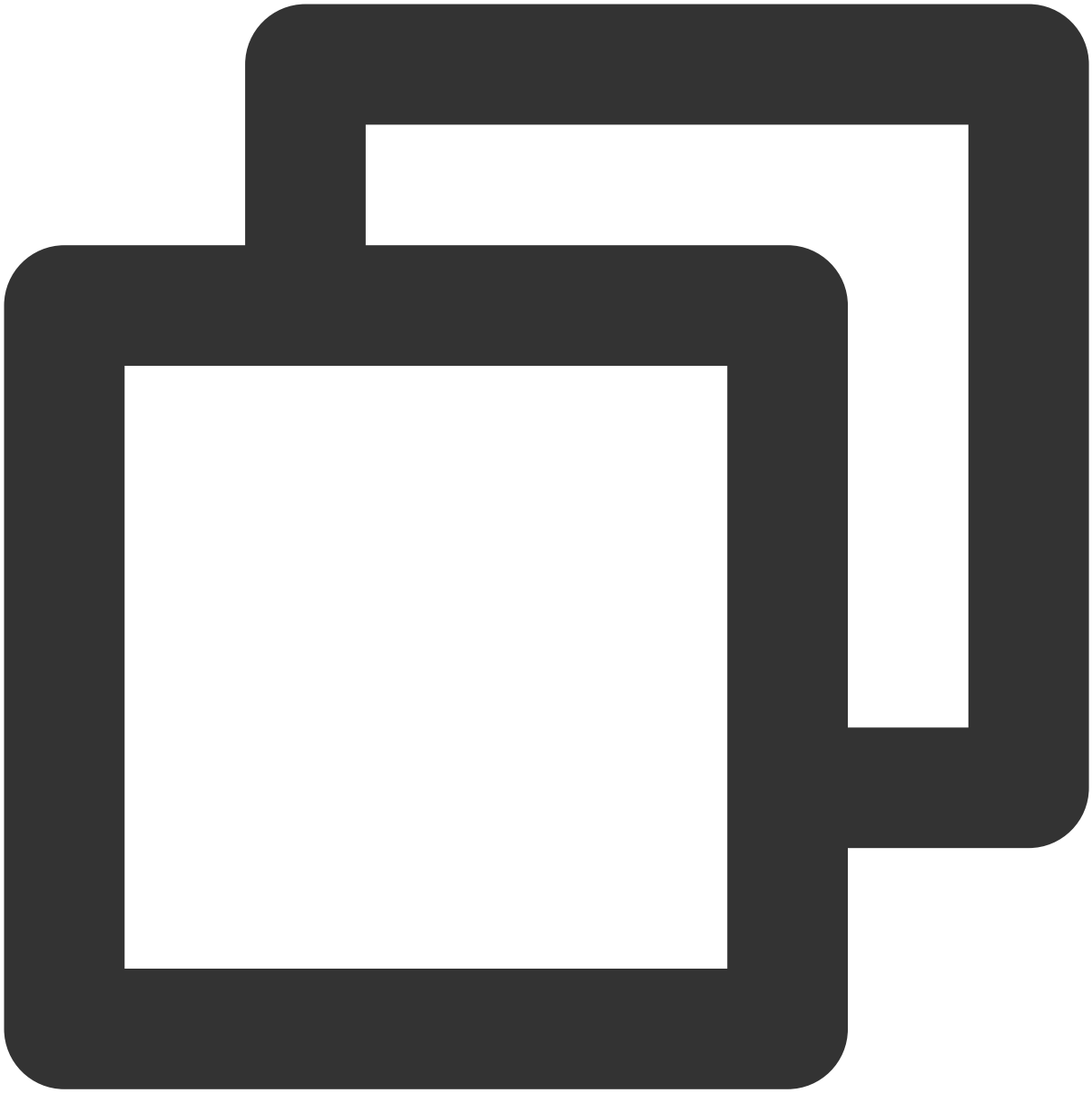

```
{
    "CallbackCommand":"Group.CallbackAfterRecallMsg", // Webhook command
    "Operator_Account":"admin", // Operator
    "Type": "Community", // Group type
    "GroupId":"1213456", // Group ID
    "MsgSeqList":[ // `MsgSeq` list of recalled messages
        {"MsgSeq":130}
    ],
    "TopicId":"@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",// Topic ID, which applies
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

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Request fields

Object	Type	Description
CallbackCommand	String	Webhook command
Operator_Account	String	The `UserID` of the operator who recalls a group message
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
GroupId	String	Group ID
MsgSeqList	Array	`MsgSeq` list of recalled messages
TopicId	String	Topic ID, which indicates message recall in the topic and applies only to topic-enabled communities.
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

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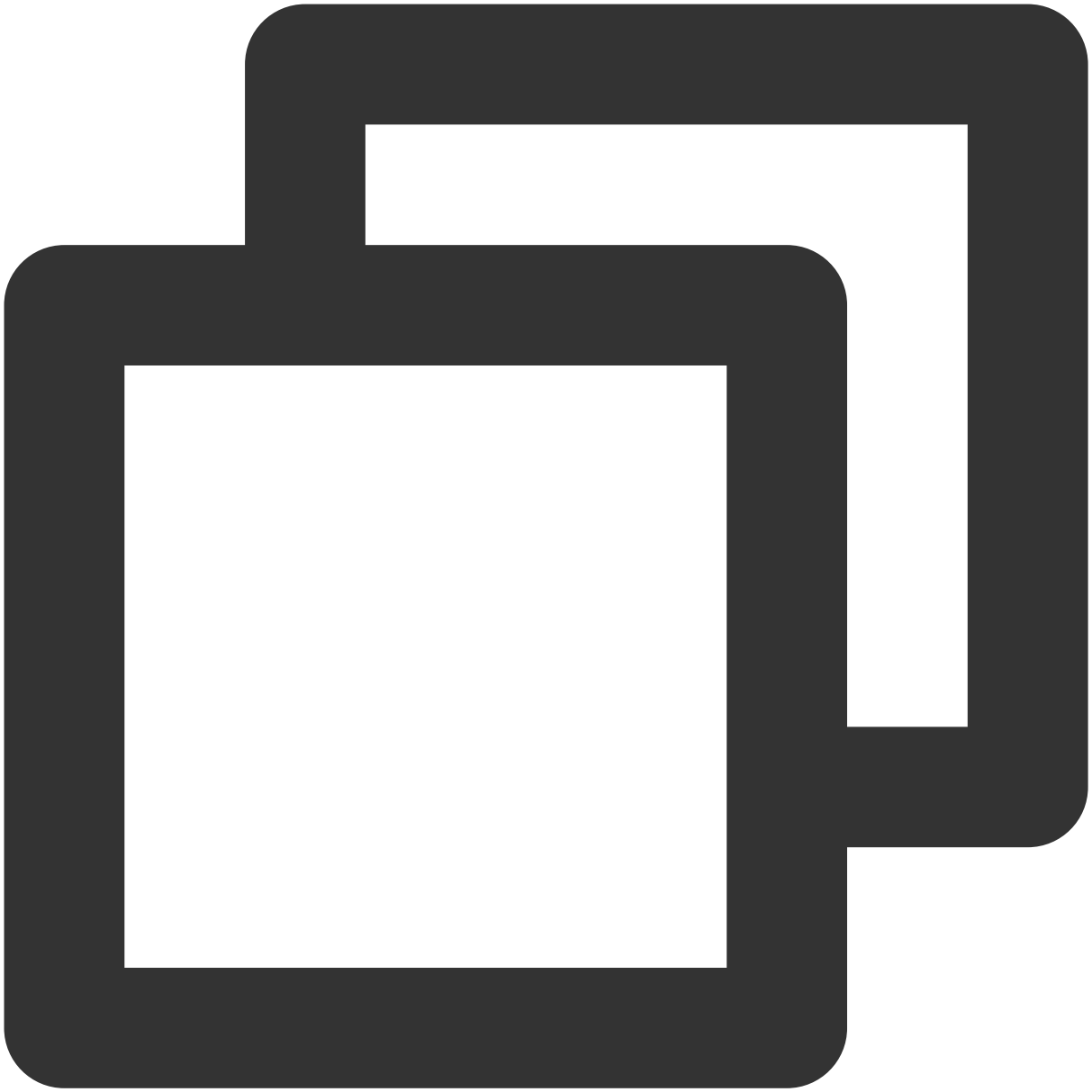

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 //The value `0` indicates that the webhook result is ignored.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the webhook result is ignored.
ErrorInfo	String	Yes	Error information

References

Webhook Overview

Restful API: Recalling Group Messages

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Webhook for Online and Offline Status of Audio-Video Group Members

Last updated：2024-06-14 10:18:33

Feature Overview

This webhook allows you to view the online and offline status (such as record logs) of an audio-video group in real time or synchronize the information to other systems on the app backend.

Reminders

To use this webhook, you need to purchase the Premium edition and enable the **List of online audio-video group members** feature on the **Group feature configuration** page in the console. After the feature is enabled in the console, the list of the latest 1,000 online members of an audio-video group will be stored and the list can be pulled on clients. If the feature is disabled in the console, the list cannot be pulled on clients, and only the list of the 30 latest group members can be pulled.
To enable this webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Webhook Overview.

Webhook Triggering Scenarios

App users abnormally exit after entering the audio-video group, and the network is disconnected for over 20 seconds.
App users abnormally exit after entering the audio-video group and go online after the network is disconnected for over 20 seconds.
App users first join the audio-video group. When a user joins the same audio-video group from multiple App terminals, the callback is triggered only once.
App user's last active exit from the audio-video group. When a user has multiple App terminals in the audio-video group, the callback is triggered when the last terminal exits.

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Webhook Triggering Timing

After a user enters the audio-video group, the `Offline` event is triggered due to heartbeat timeout caused by network disconnection, and the `Online` event is triggered when the user goes online 20s after the timeout. If the user logs in with multiple devices and joins the same audio-video group concurrently, the `Offline` event will be triggered when all the devices go offline concurrently. The `Online` event will be triggered when any device goes back online (only one `Online` event will be triggered even if multiple devices go back online).

API Calling Description

Sample request URL

In the following sample, the webhook URL configured in the app is `https://www.example.com` .

Example:

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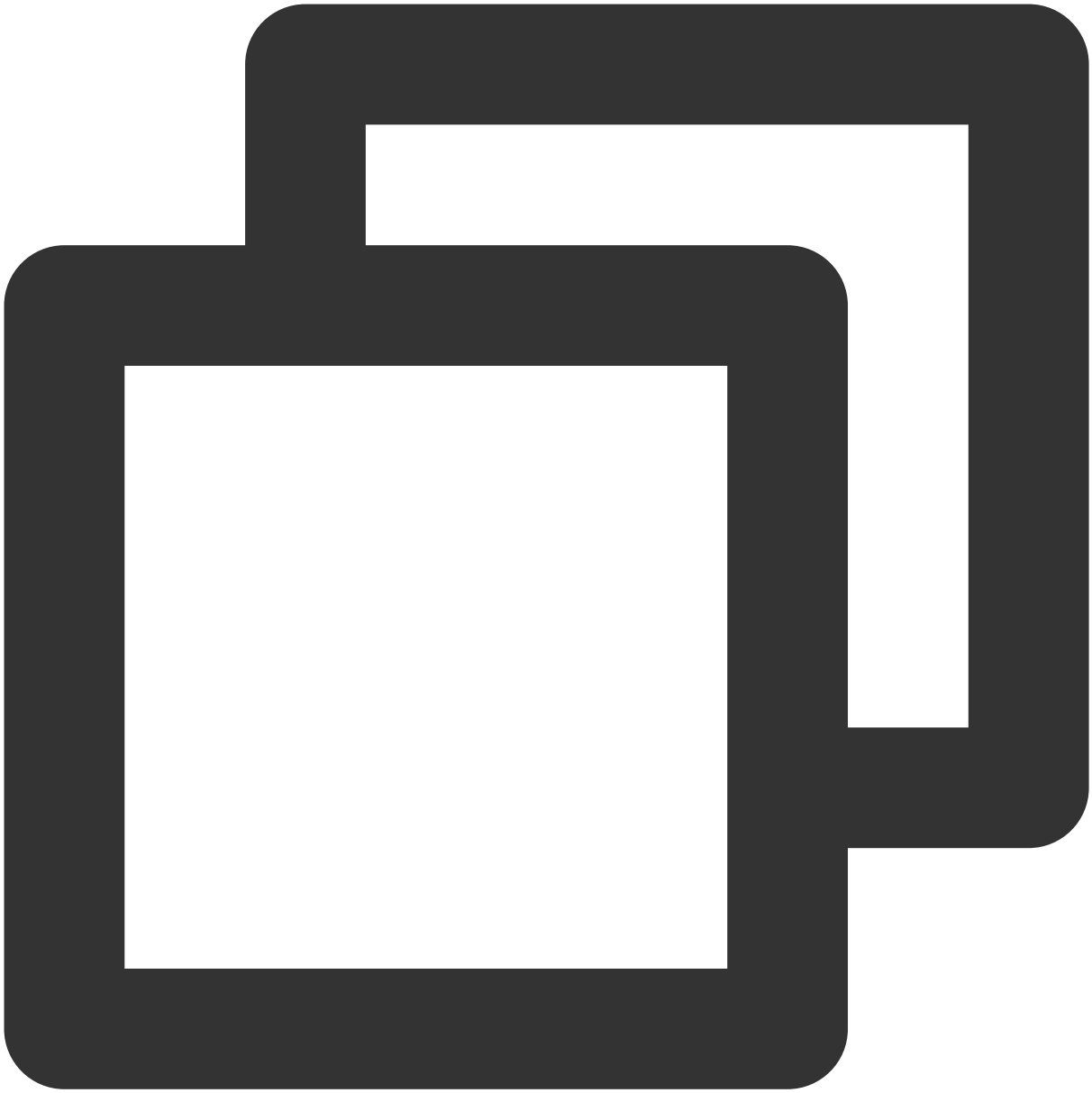

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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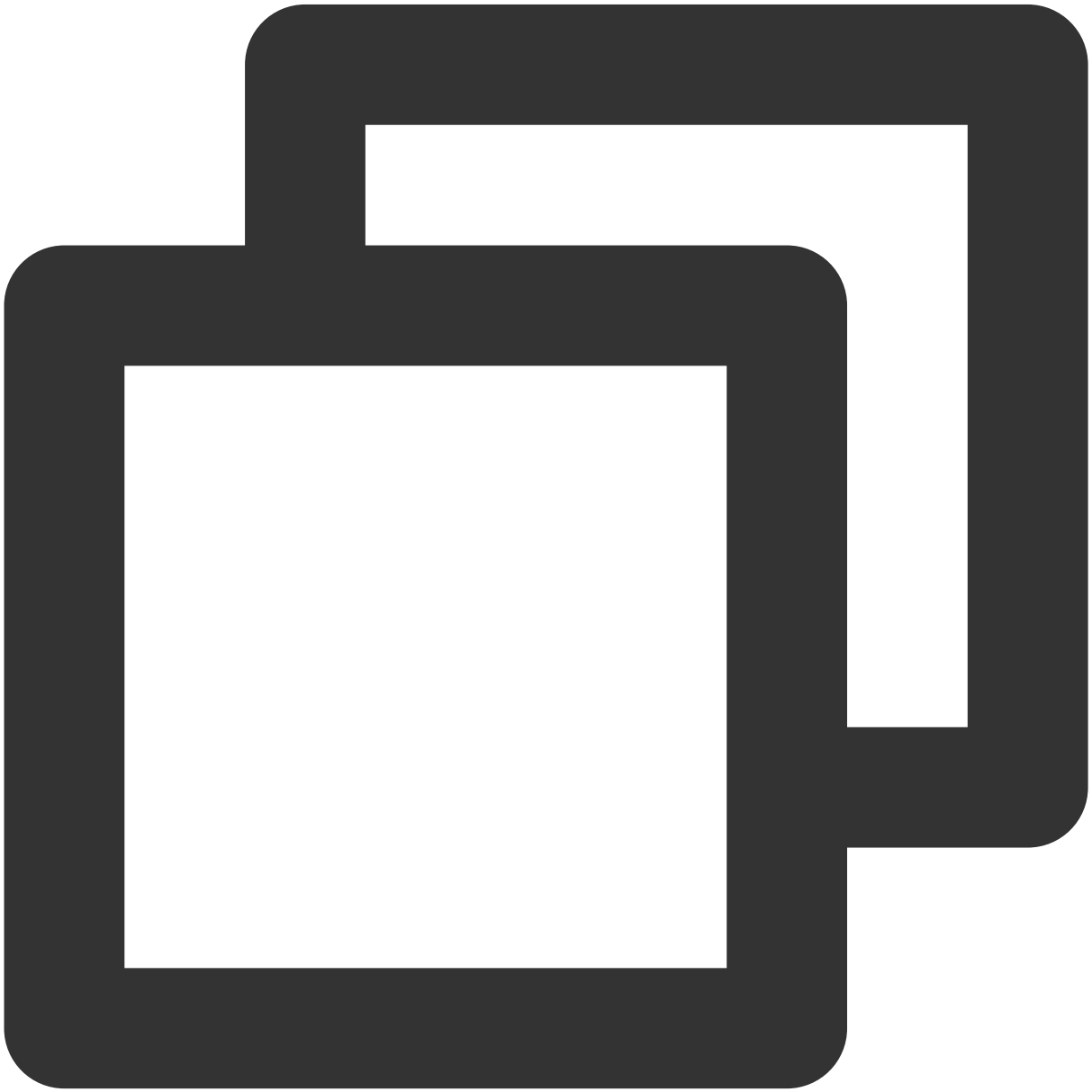
SdkAppid	The `SDKAppID` assigned by the Chat console when the app is created
CallbackCommand	Fixed value: `Group.CallbackOnMemberStateChange` .
contenttype	Fixed value: `JSON` .

Sample request



```
{
    "CallbackCommand": "Group.CallbackOnMemberStateChange", // Webhook command
```

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```
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "EventType": "Offline", // Event type: Offline (disconnected); Online (reconnec
    //Event Cause: HeartbeatInterrupt (Heartbeat Interruption), HeartbeatRecover (H
    "MemberList": [ // List of members who left the group
        {
            "Member_Account": "jared"
        },
        {
            "Member_Account": "tommy"
        }
    ]
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command
GroupId	String	ID of the group that generates group messages
EventType	String	Event type: Offline (disconnected); Online (reconnected)
EventCause	String	Event cause: HeartbeatInterrupt (heartbeat interruption), HeartbeatRecover (heartbeat recovery), Join (first entry into group), Quit (last exit from group)
MemberList	Array	List of members triggering the event

Sample response

A response is returned after the app backend synchronizes the data.

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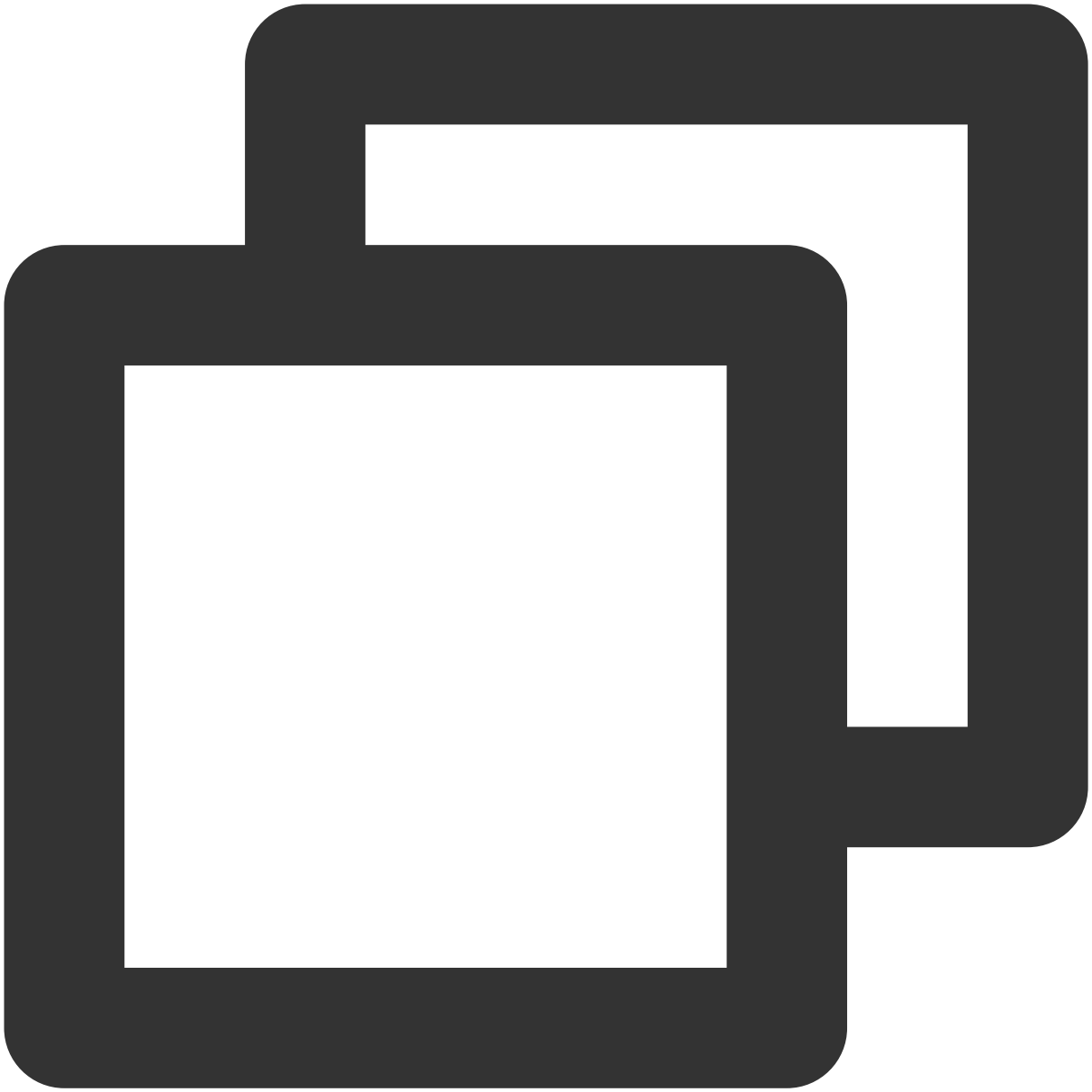

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // The value `0` indicates that the response result is ignored.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the response result is ignored.
ErrorInfo	String	Yes	Error information

References

Webhook Overview
After a User Joins a Group
After a User Leaves a Group

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Webhook for Exceptions When Group Messages Are Sent

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to monitor the exceptions on the application backend when group messages are sent, including:
The message sent contains an incorrect parameter (for example, the group ID does not exist).
The message sending frequency exceeds the limit.
The message sent is found to be non-compliant after content filtering.
The sender is muted.

Notes

To enable this callback, you must configure a callback URL and enable the corresponding switch for this callback. For more information on the configuration method, see Callback Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.

Callback Triggering Scenarios

An app user sends a group message on the client.
The app admin sends a group message via a RESTful API call.

Callback Triggering Timing

It will be triggered after the IM backend failed to deliver the group message to group members.

API Calling Description

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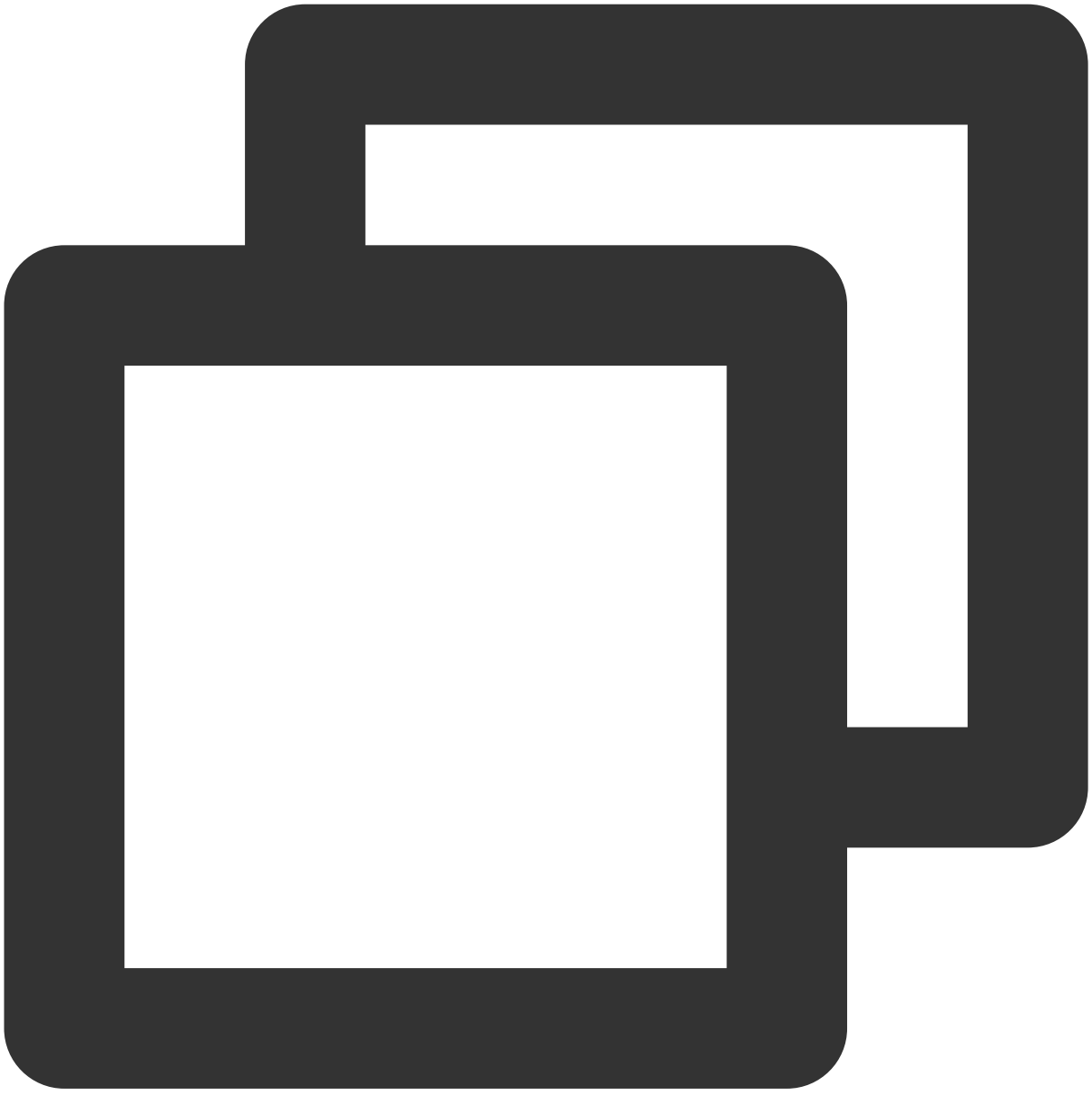
Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com`.

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description

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https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL
SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackSendMsgException` .
contenttype	Fixed value: `JSON` .
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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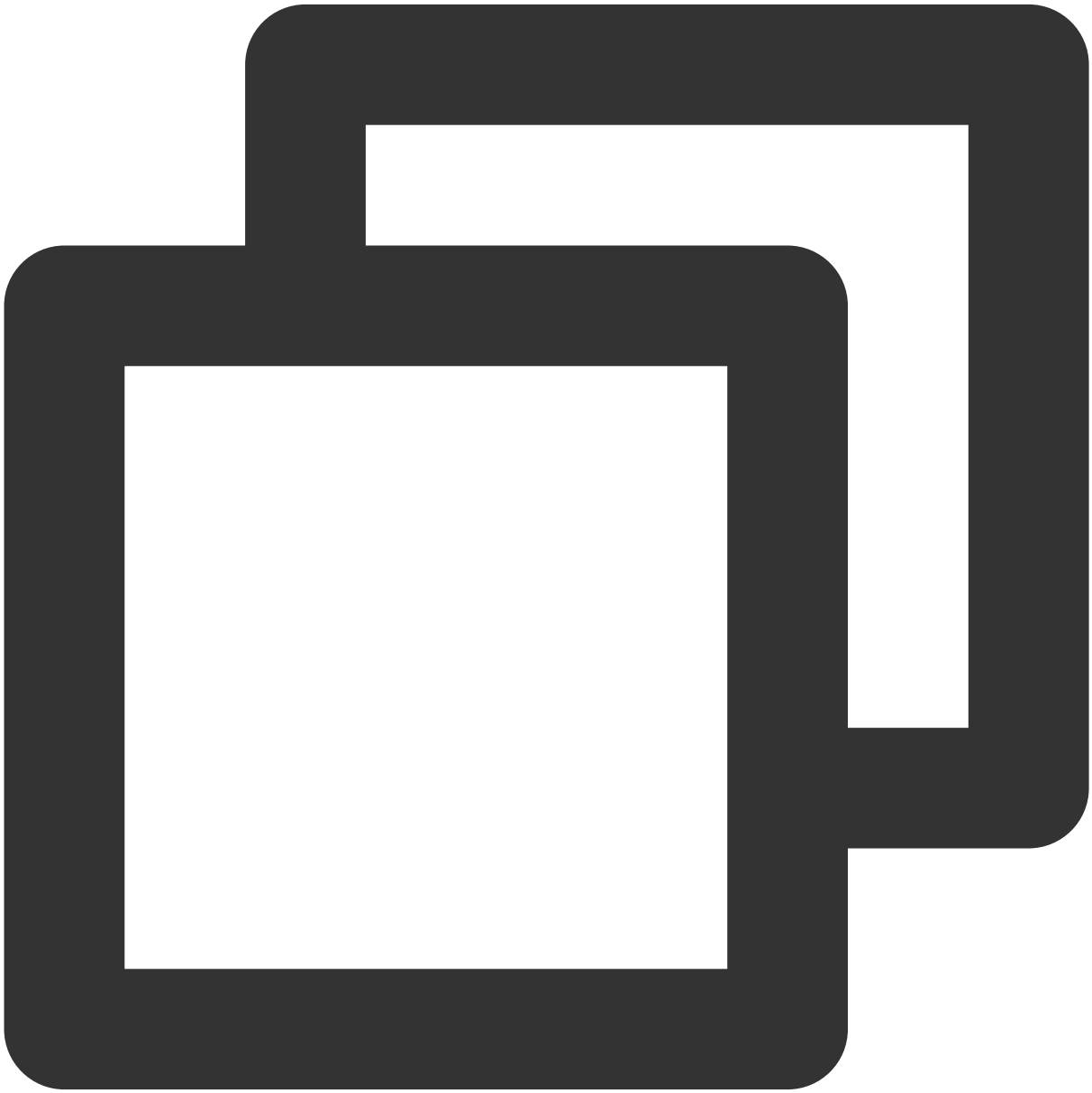

```
{
    "CallbackCommand": "Group.CallbackSendMsgException", // Callback command
    "GroupId": "@TGS#2J4SZEAEL", // Group ID
    "Type": "Public", // Group type
    "From_Account": "jared", // Sender
    "Operator_Account":"admin", // Request initiator
    "Random": 123456, // Random number
    "OnlineOnlyFlag": 1, // The value is `1` if it is an online message and `0` (de
    "MsgBody": [ // Message body. For more information, see the `TIMMessage` messag
        {
            "MsgType": "TIMTextElem", // Text
```

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```
            "MsgContent":{
                "Text": "red packet"
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "ErrorCode": 10023, // Message exception error code
    "ErrorInfo": "msg count exceeds limit,please retry later" // Message exception
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	ID of the group that generates group messages
Type	String	Type of the group that generates group messages, such as `Public`. For details, see **Group Types** section in Group System.
From_Account	String	`UserID` of the message sender
Operator_Account	String	UserID of the request initiator, based on which the system can identify whether the request is initiated by the admin.
Random	Integer	A 32-bit random number in the request
OnlineOnlyFlag	Integer	The value is `1` if it is an online message and `0` (default) if it's not. For audio-video groups, the value is `0`.
MsgBody	Array	Message body. For more information, see Message Formats.
CloudCustomData	String	Custom message data. It is saved in the cloud and will be sent to the peer end. Such data can be pulled after the app is uninstalled and reinstalled.
ErrorCode	Interger	Message exception error code. For more information, see Error Codes.
ErrorInfo	String	Message exception details
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

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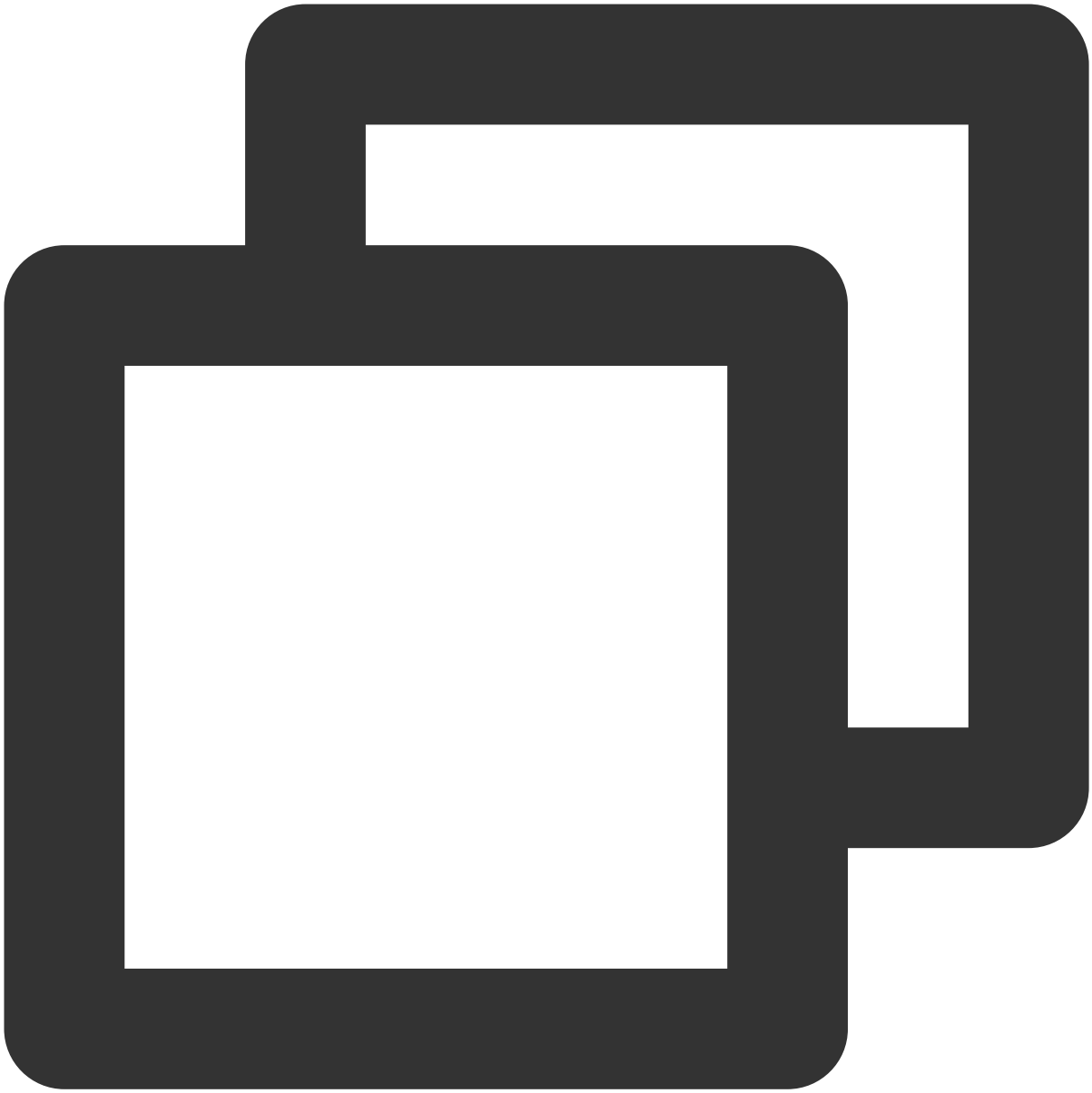

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Required	Request result. Fixed value: `OK` .
ErrorCode	Integer	Required	Error code. Fixed value: `0` .
ErrorInfo	String	Required	Error message. Fixed value: An empty string.

References

Third-Party Callback Overview

RESTful API: Sending Ordinary Messages in a Group

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Before a Topic Is Created

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the user's topic creation request on the application backend in real time. In addition, the application backend can reject the request.

Notes

To enable this callback, you must configure the URL. This callback and the callback before group creation use the same switch. For detailed directions, see Webhook Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.
You need to enable the topic feature in the console before using it.

Callback Triggering Scenarios

The application user creates a topic on the client.
The application admin creates a topic through the RESTful API.

Callback Triggering Timing

It will be triggered before the IM backend creates a topic.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Example:

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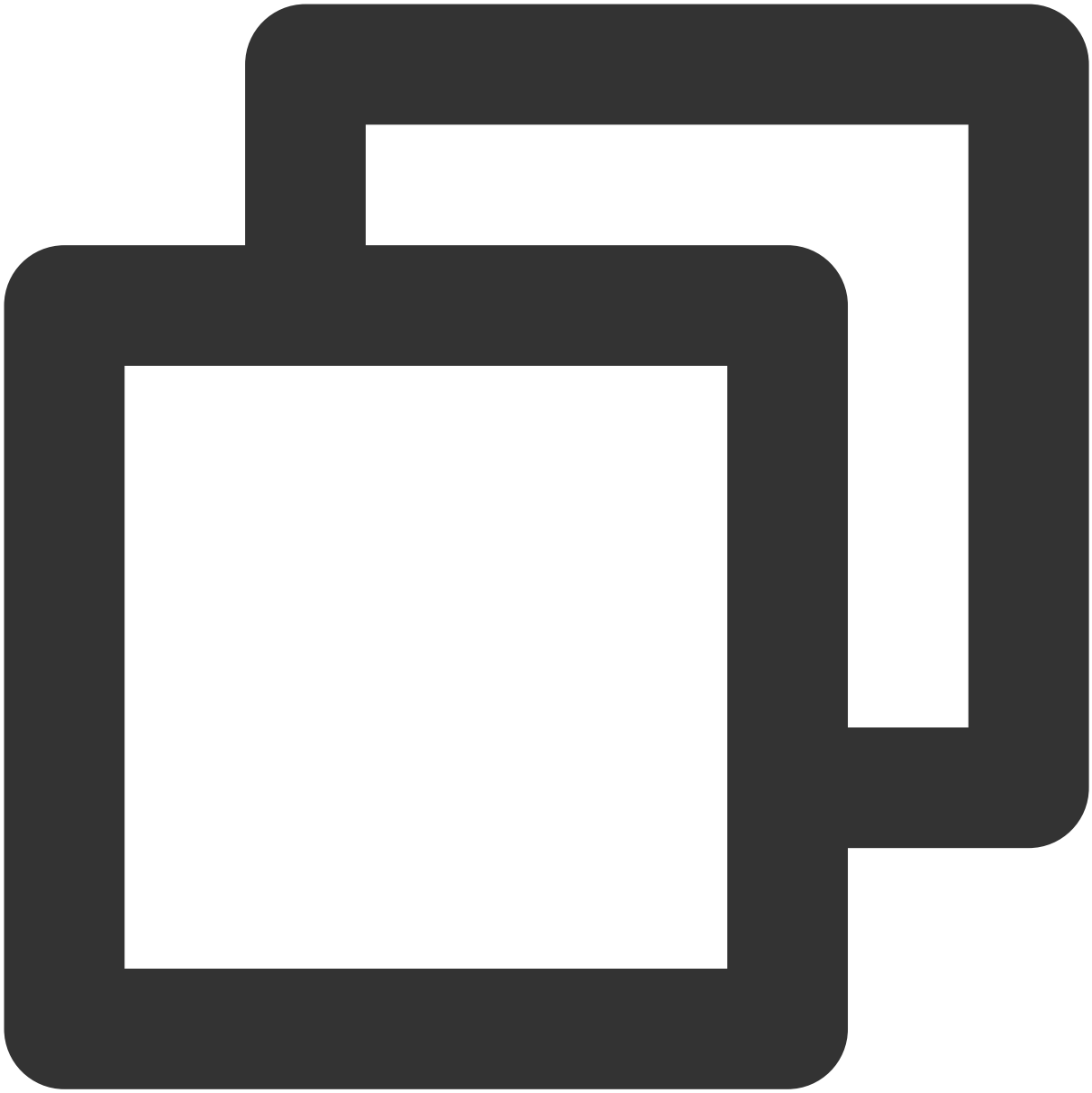

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackBeforeCreateTopic` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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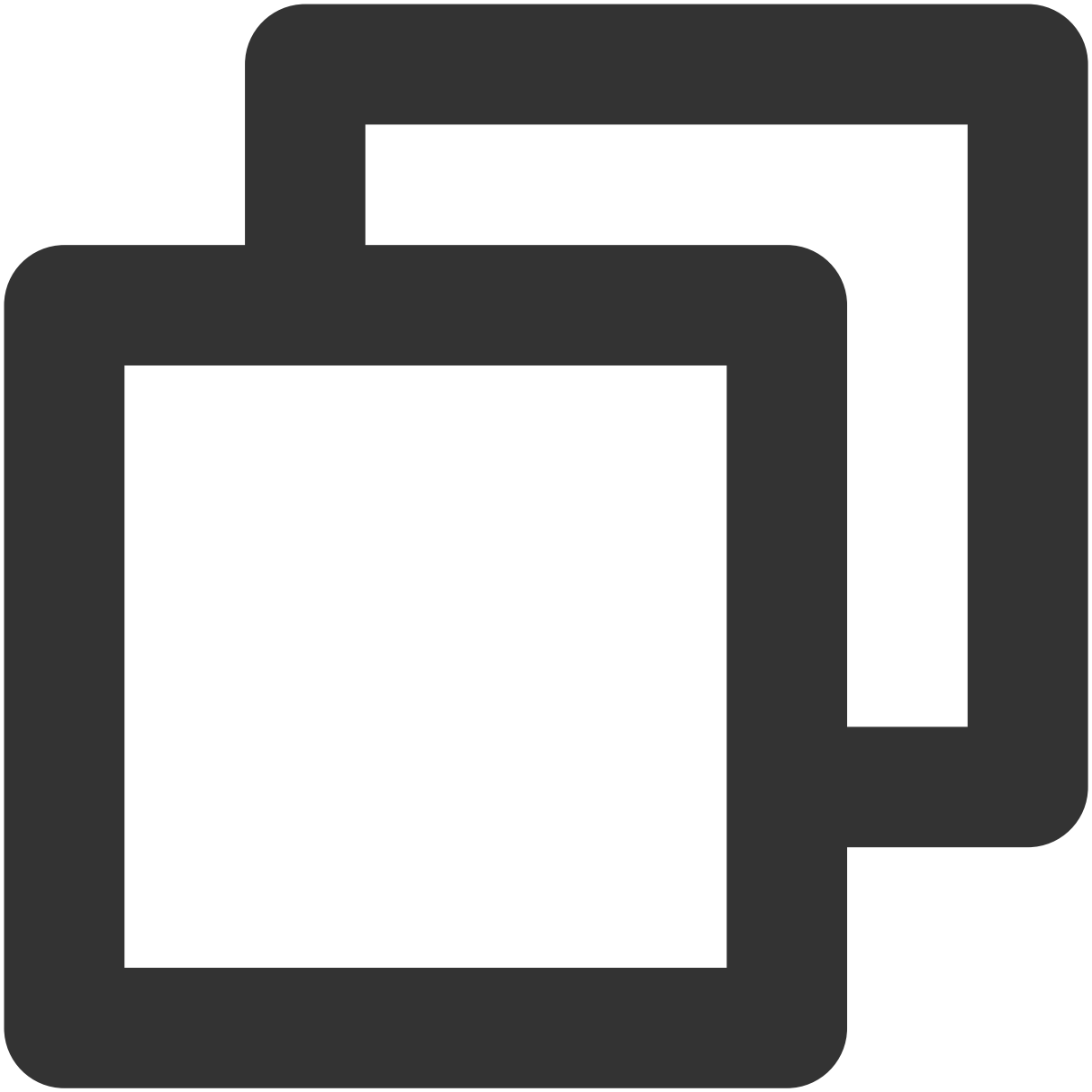

```
{
    "CallbackCommand": "Group.CallbackBeforeCreateTopic", // Callback command
    "Operator_Account": "leckie", // Operator
    "Type": "Community", // Group type
    "Name": "MyFirstTopic" // Group name
}
```

Request fields

Object	Type	Description

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CallbackCommand	String	Callback command
Operator_Account	String	`UserID` of the operator who initiates the topic creation request
Type	String	Group type of the topic. Here, it is `Community` .
Name	String	Name of the topic requested to be created

Sample response

Creation allowed

The user is allowed to create a topic.

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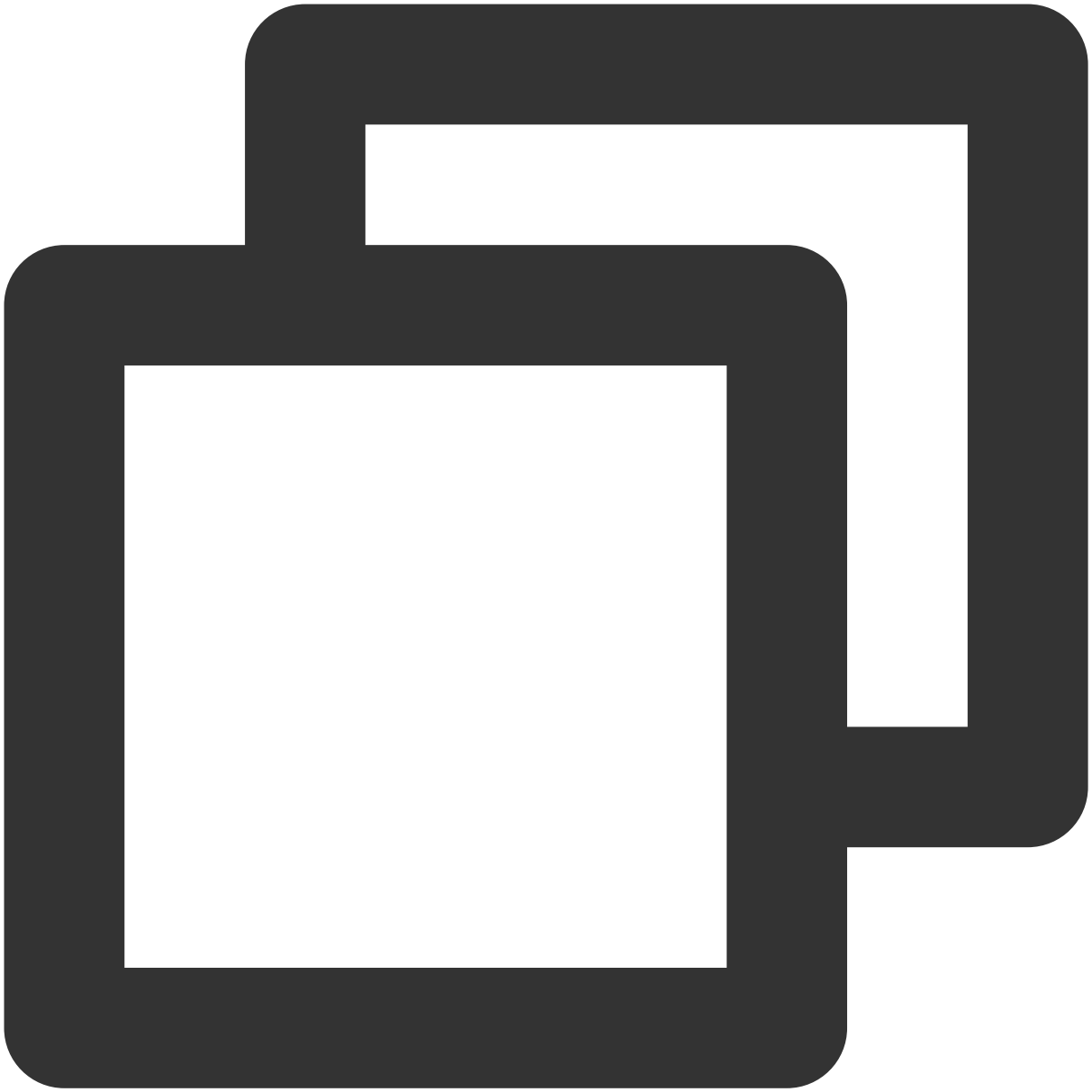

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Creation allowed
}
```

Creation refused

The user is not allowed to create a topic. No topic will be created, and the error code `10016` will be returned to the caller.

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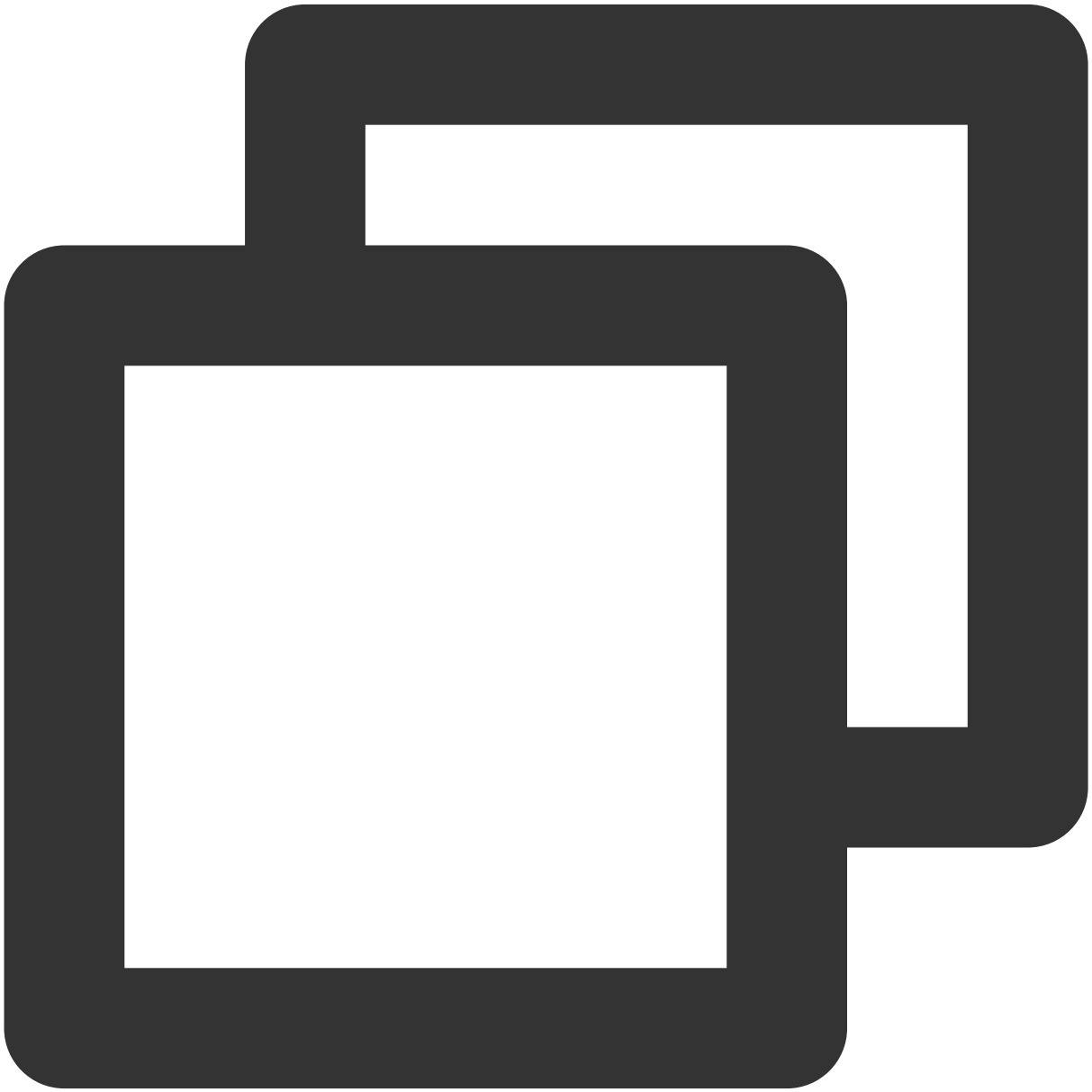

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // Creation refused
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. Valid values: `0` (creation allowed); `1` (creation refused). If you want to use your own error code to refuse a user request for topic creation, you need to pass in `ErrorCode` and `ErrorInfo` to the client, with `ErrorCode` in the range of [10100,10200].
ErrorInfo	String	Yes	Error message

References

Third-Party Callback Overview

RESTful API: Creating Topic

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After a Topic Is Created

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the information of the topic created by the user on the application backend in real time. Specifically, it notifies the application backend of the successful topic creation so that the backend can sync data.

Notes

To enable this callback, you must configure the URL. This callback and the callback after group creation use the same switch. For detailed directions, see Webhook Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.
You need to enable the topic feature in the console before using it.

Callback Triggering Scenarios

The application user created a topic successfully on the client.
The application admin created a topic successfully through the RESTful API.

Callback Triggering Timing

It will be triggered after a topic is created successfully.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .

Example:

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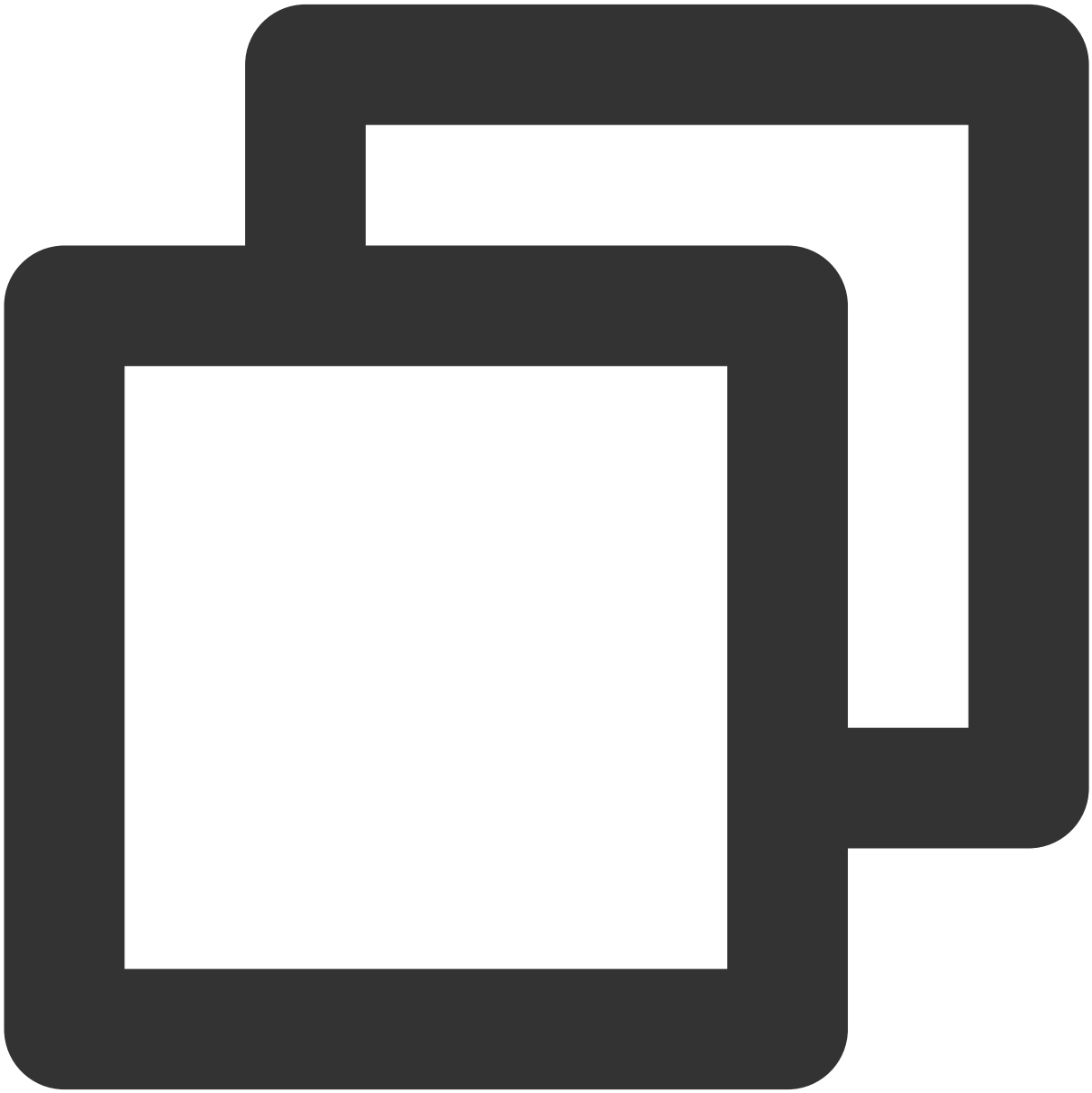

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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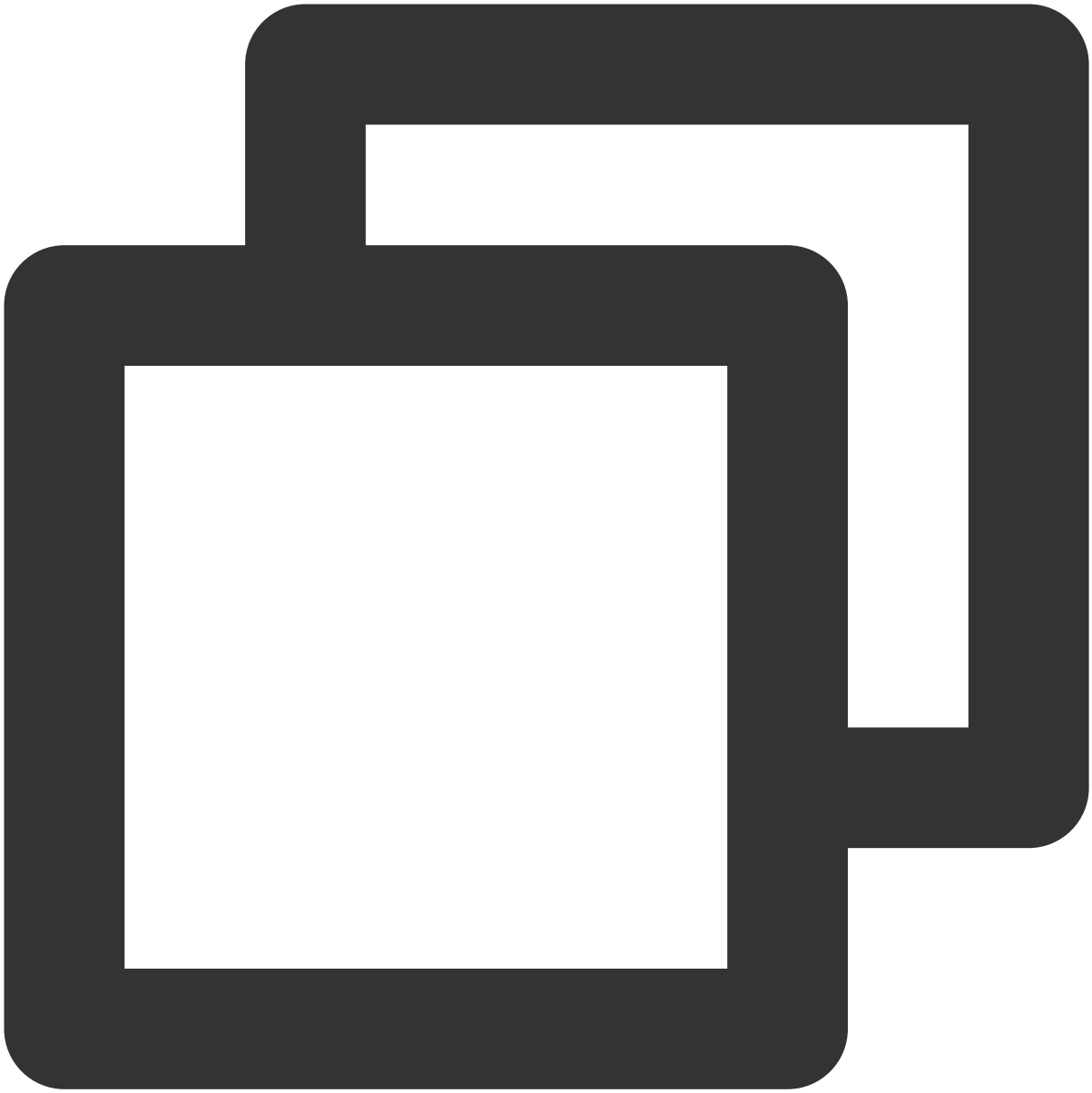
SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterCreateTopic` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request



```
{
    "CallbackCommand": "Group.CallbackAfterCreateTopic", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",
    "TopicId"   : "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_@TOPIC#cRTE3HIM62C5",
    "Operator_Account": "group_root", // Operator
    "Owner_Account": "leckie", // Group owner
    "Type": "Community", // Group type
    "Name": "MyFirstTopic", // Topic name
    "UserDefinedDataList": [ // Custom field to be used when the user creates a top
        {
            "Key": "UserDefined1",
```

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```
            "Value": "hello"
        },
        {
            "Key": "UserDefined2",
            "Value": "world"
        }
    ]
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Group ID of the topic
TopicId	string	Topic ID
Operator_Account	String	`UserID` of the operator who initiates the topic creation request
Owner_Account	String	`UserID` of the group owner
Type	String	Group type of the topic. Here, it is `Community` .
Name	String	Name of the topic requested to be created
UserDefinedDataList	Array	Custom field to be used when the user creates a topic. This field is unavailable by default and needs to be enabled as instructed in Group System.

Sample response

A response is sent after the app backend synchronizes the data.

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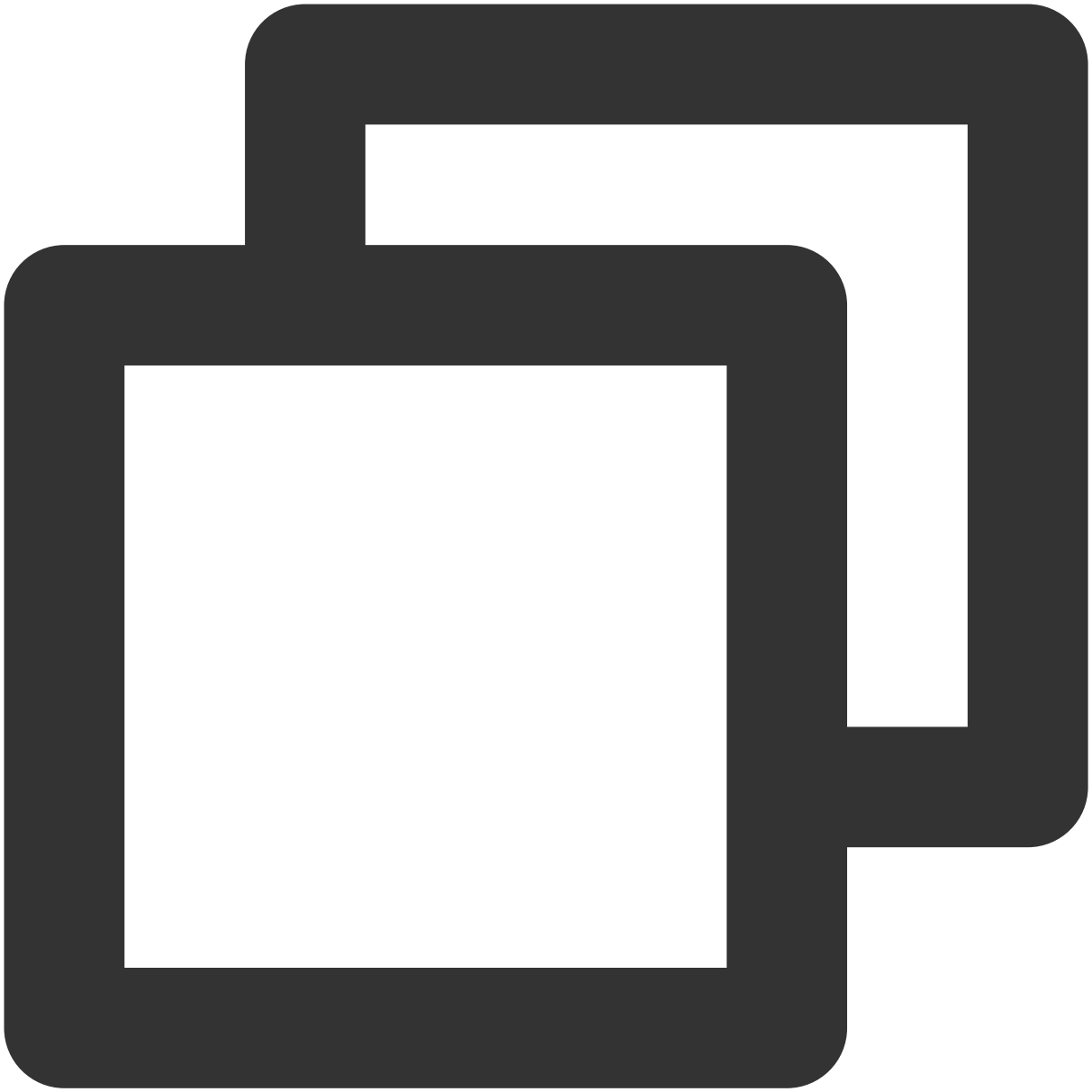

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 //The value `0` indicates that the callback result is ignored.
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Yes	Error code. The value `0` indicates that the callback result is ignored.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

RESTful API: Creating Topic

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After a Topic Is Deleted

Last updated：2024-02-07 17:28:39

Feature Overview

This callback allows you to view the deletion status of a topic in real time on the application backend. Specifically, you can view the real-time log of the topic deletion or sync the information to other systems.

Notes

To enable this callback, you must configure the URL. This callback and the callback after group disbanding use the same switch. For detailed directions, see Webhook Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.
You need to enable the topic feature in the console before using it.

Callback Triggering Scenarios

The application user deletes a topic on the client.
The application admin deletes a topic through the RESTful API.

Callback Triggering Timing

It will be triggered after a topic is deleted.

API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com` .
Example:

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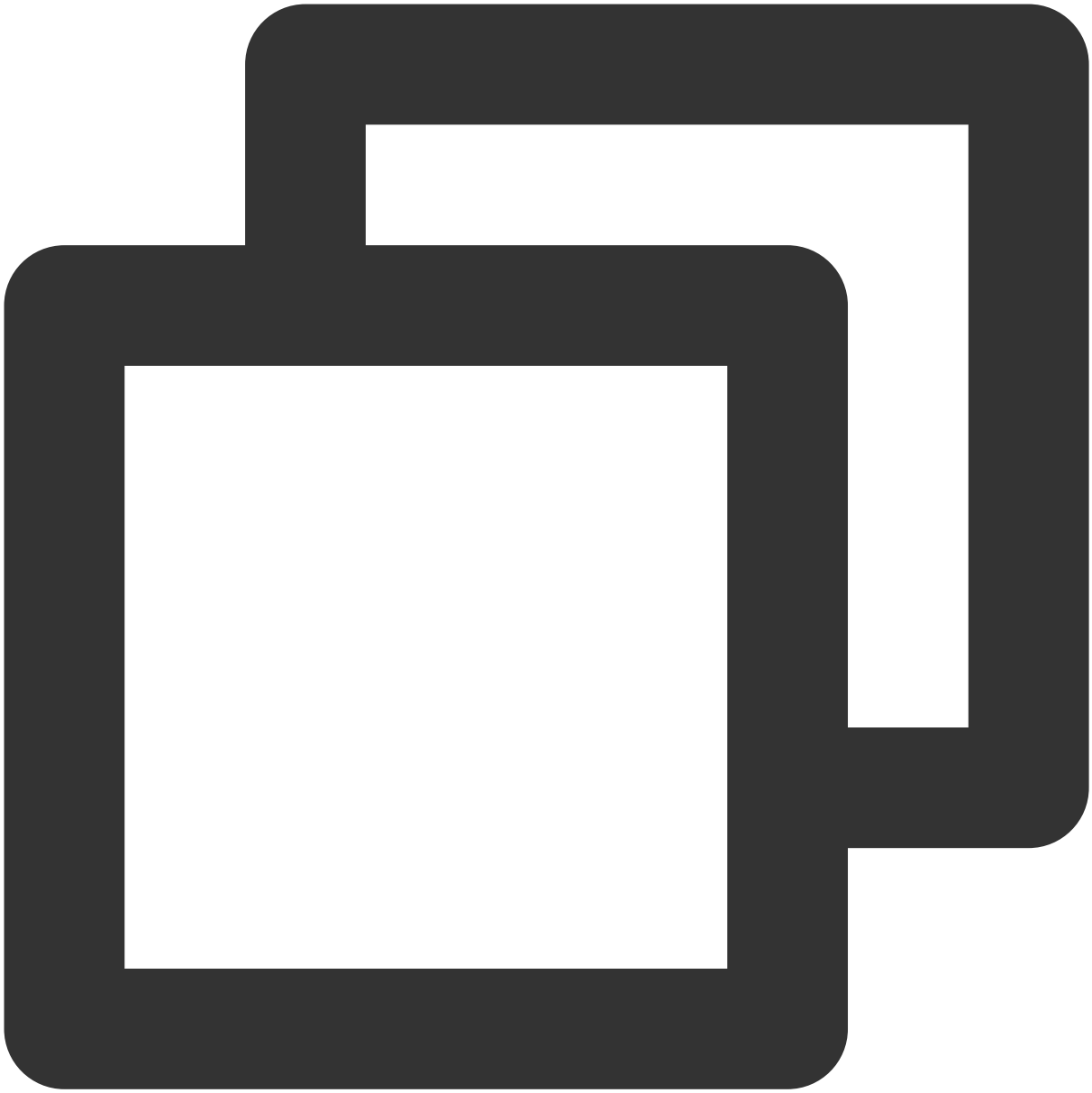

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL

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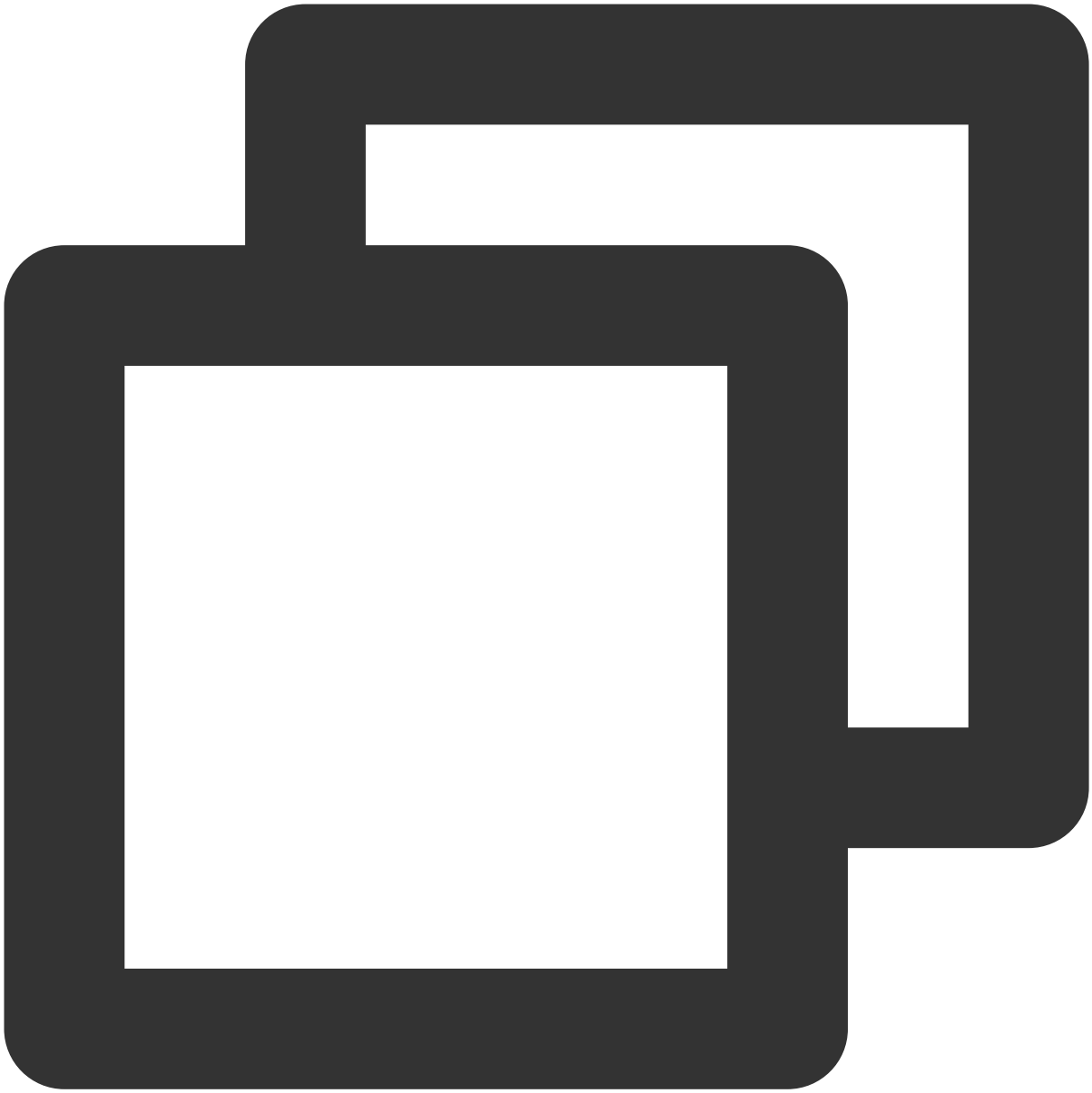
SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterTopicDestroyed` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request



```
{
    "CallbackCommand": "Group.CallbackAfterTopicDestroyed", // Callback command
    "GroupId": "@TGS#_@TGS#cQVLVHIM62CJ", // Group ID of the deleted topic
    "Type": "Community",        // Group type
    "TopicIdList":[             // List of the deleted topics
       "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic",
       "@TGS#_@TGS#cQVLVHIM62CJ@TOPIC#_TestTopic_1"
    ]
}
```

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Request fields

Object	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Group of the deleted topic
Type	String	Group type of the deleted topic. Here, it is `Community`.
TopicIdList	String	List of the deleted topics

Sample response

The application backend records the topic deletion information and sends the callback response packet.

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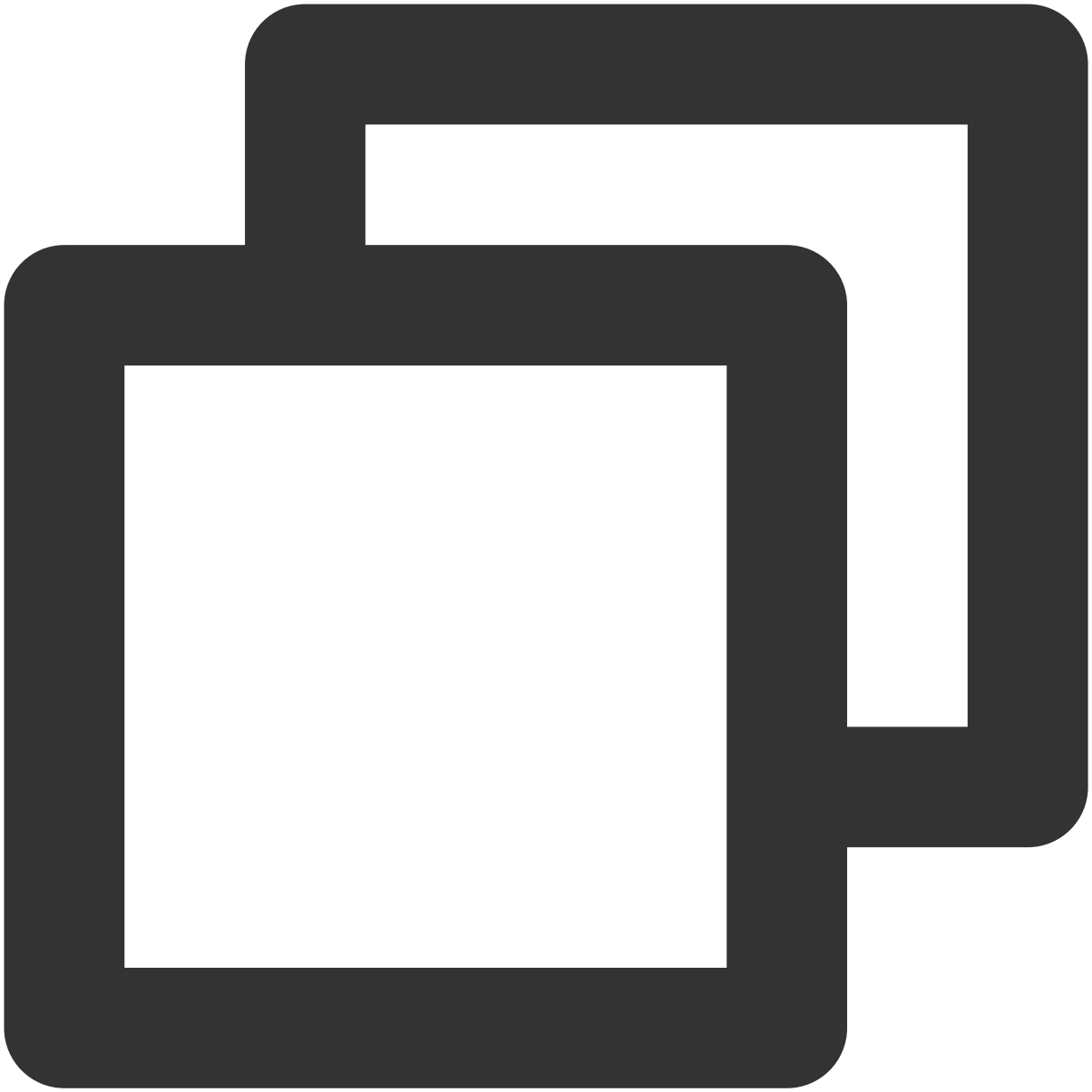

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Required	Description

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ActionStatus	String	Yes	Request result. `OK` : Successful; `FAIL` : Failed
ErrorCode	Integer	Required	Error code. We recommend you set it to `0` . This callback is used to notify users of the topic deletion. The error code value of the user doesn't affect the deletion process.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

RESTful API: Deleting Topic

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Topic Profile Change Webhook

Last updated：2024-02-07 17:30:51

Feature Overview

This callback allows you to view the changes in the topic profile (topic name, topic introduction, topic notice, and topic profile photo) in real time on the application backend. Specifically, you can view the real-time log of the changed topic profile or sync the information to other systems.

Notes

To enable this callback, you must configure the URL. This callback and the callback after group profile modification use the same switch. For detailed directions, see Webhook Configuration.
During this callback, the IM backend initiates an HTTP POST request to the app backend.
After receiving the callback request, the app backend must check whether the `SDKAppID` contained in the request URL is the `SDKAppID` of the app.
For more security considerations, see the **Security Considerations** section in Third-Party Callback Overview.
You need to enable the topic feature in the console before using it.

Callback Triggering Scenarios

Callback triggering content

The topic profile includes the basic topic profile and custom topic field.
Currently, this callback may be triggered by a change in the topic name, topic introduction, topic notice, or topic profile photo URL, and will not be triggered by a change in other basic topic profile.

Callback triggering methods

The app user modifies the topic profile on the client.
The app admin modifies the topic profile through the RESTful API.

Callback Triggering Timing

It will be triggered after the topic profile is changed.

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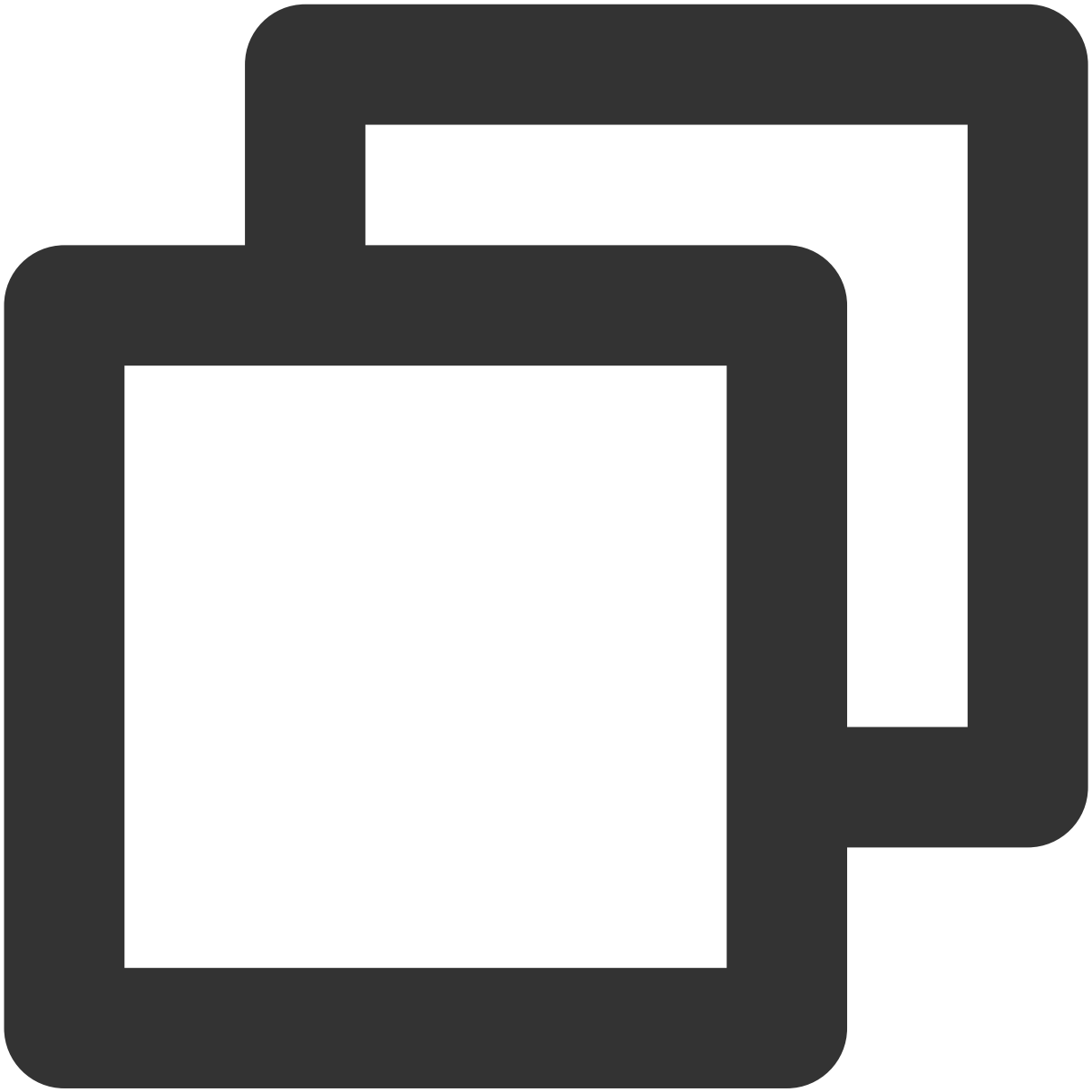
API Calling Description

Sample request URL

In the following sample, the callback URL configured in the app is `https://www.example.com`.

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

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Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL
SdkAppid	The `SDKAppID` assigned by the IM console when the app is created
CallbackCommand	Fixed value: `Group.CallbackAfterTopicInfoChanged` .
contenttype	Fixed value: `JSON` .
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform. For valid values, see the description of `OptPlatform` in the **Callback Protocols** section of Third-Party Callback Overview.

Sample request

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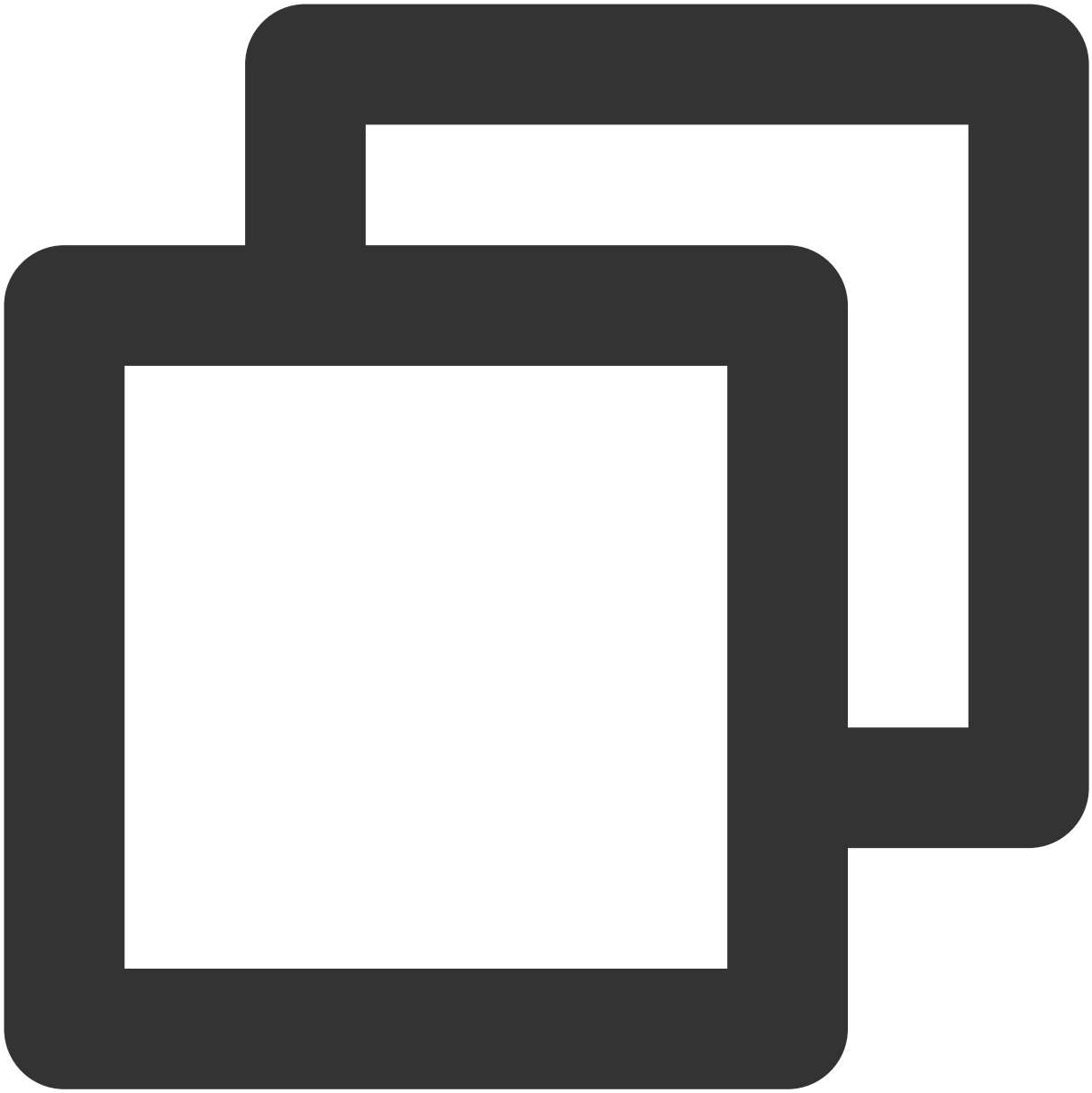

```
{
    "CallbackCommand": "Group.CallbackAfterTopicInfoChanged", // Callback command
    "GroupId" : "@TGS#2J4SZEAEL",       // Group ID of the changed topic profile
    "Type": "Community", // Group type
    "Operator_Account": "leckie", // Operator
    "Name":     "TestTopic", // Changed topic name
    "Introduction": "TestIntroduction", // Changed topic introduction
    "Notification": "NewNotification", // Changed topic notice
    "FaceUrl": "http://this.is.face.url"        // Changed topic profile photo URL
}
```

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Request fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Group ID of the changed topic profile
Type	String	Group type of the deleted topic. Here, it is `Community` .
Operator_Account	String	`UserID` of the operator
Name	String	Changed topic name
Introduction	String	Changed topic introduction
Notification	String	Changed topic notice
FaceUrl	String	Changed topic profile photo URL

Sample response

The application backend records the topic profile change information and sends the callback response packet.

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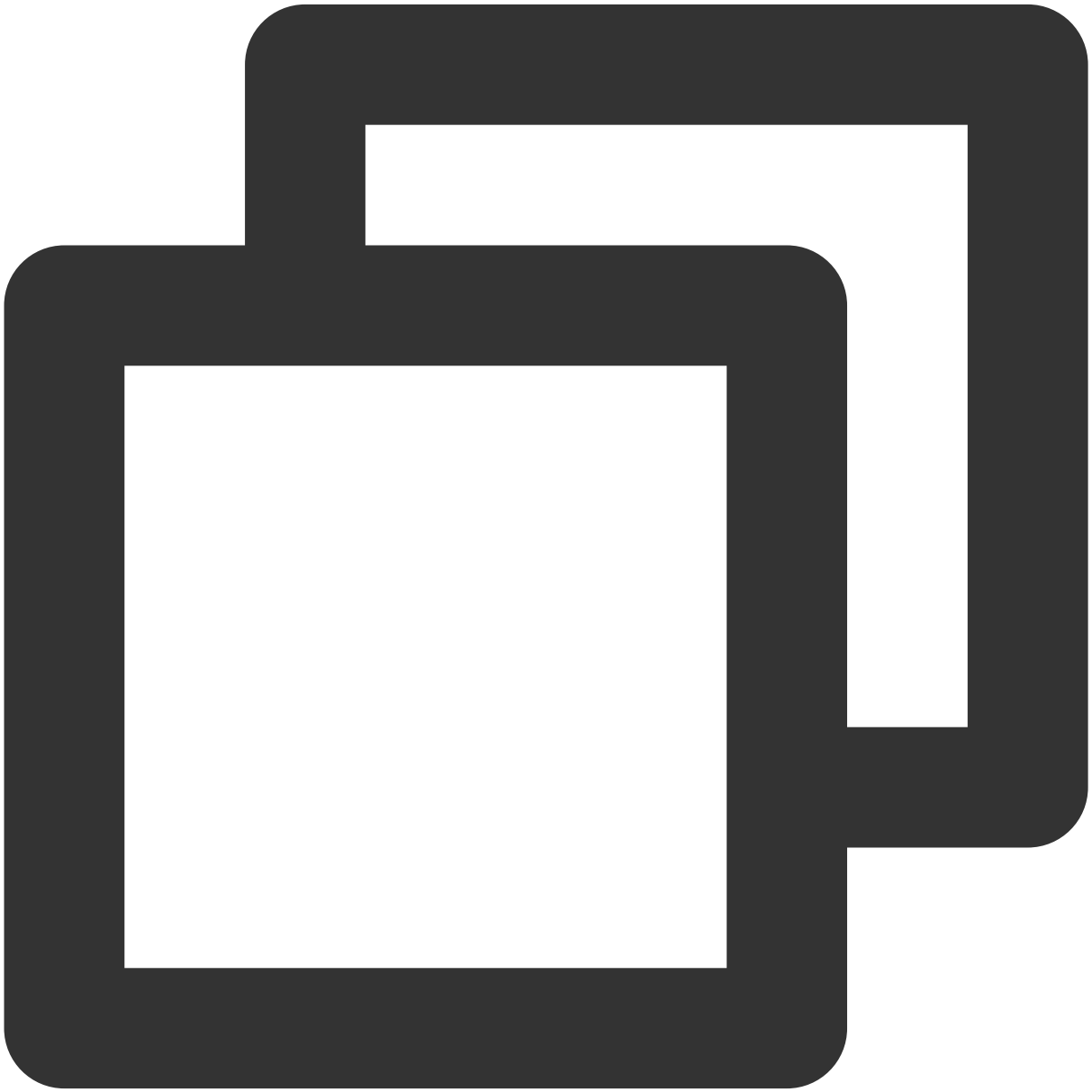

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0  // Ignore the response result
}
```

Response fields

Object	Type	Required	Description

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ActionStatus	String	Yes	Request result. Valid values: `OK` (success); `FAIL` : (failure).
ErrorCode	Integer	Yes	Error code. The value `0` indicates to allow ignoring the response result.
ErrorInfo	String	Yes	Error information

References

Third-Party Callback Overview

RESTful API: Modifying Topic Profile

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Callback After Group Member Profile Changed

Last updated：2024-05-14 14:27:57

Feature Overview

The app backend can real-time view the changes in group member information (group member identity, group card) through this callback. The app backend can perform operations such as data synchronization based on it.

Notes

To enable the callback, you must configure a callback URL and toggle on the corresponding protocol switch. For detailed configuration methods, see Third-party Callback Configuration document.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After the callback request is received, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related matters, please refer to Introduction to Third-party Callback - Security Considerations.

Scenarios That May Trigger This Callback

An App user modifies group member information through the client.
An App administrator modifies group member profiles through RESTful APIs.

Callback Trigger Time

After you successfully modify group member profiles.

API Description

Sample Request URL

In the subsequent example, the callback URL configured within the app is `https://www.example.com` .

Example:

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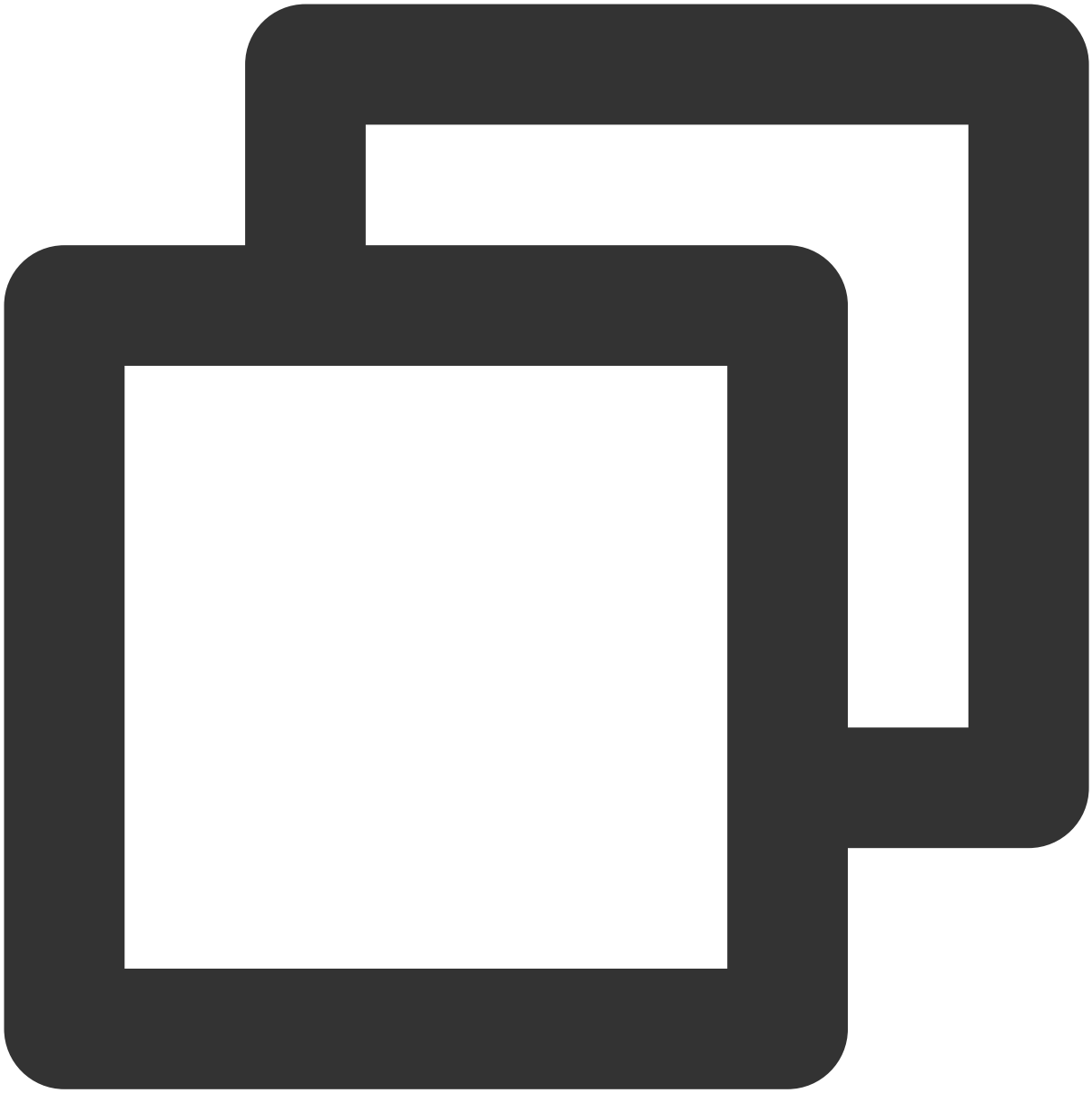

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST
www.example.com	Callback URL

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SdkAppid	SDKAppID allocated by the Chat console at the time of Application creation
CallbackCommand	Fixed value: Group.CallbackAfterMemberFieldChanged
contenttype	Fixed value: JSON
ClientIP	Client IP, for example: 127.0.0.1
OptPlatform	Client Platform, see the Webhook Overview - Callback Protocol for the meaning of the OptPlatform parameter

Sample Request Packets

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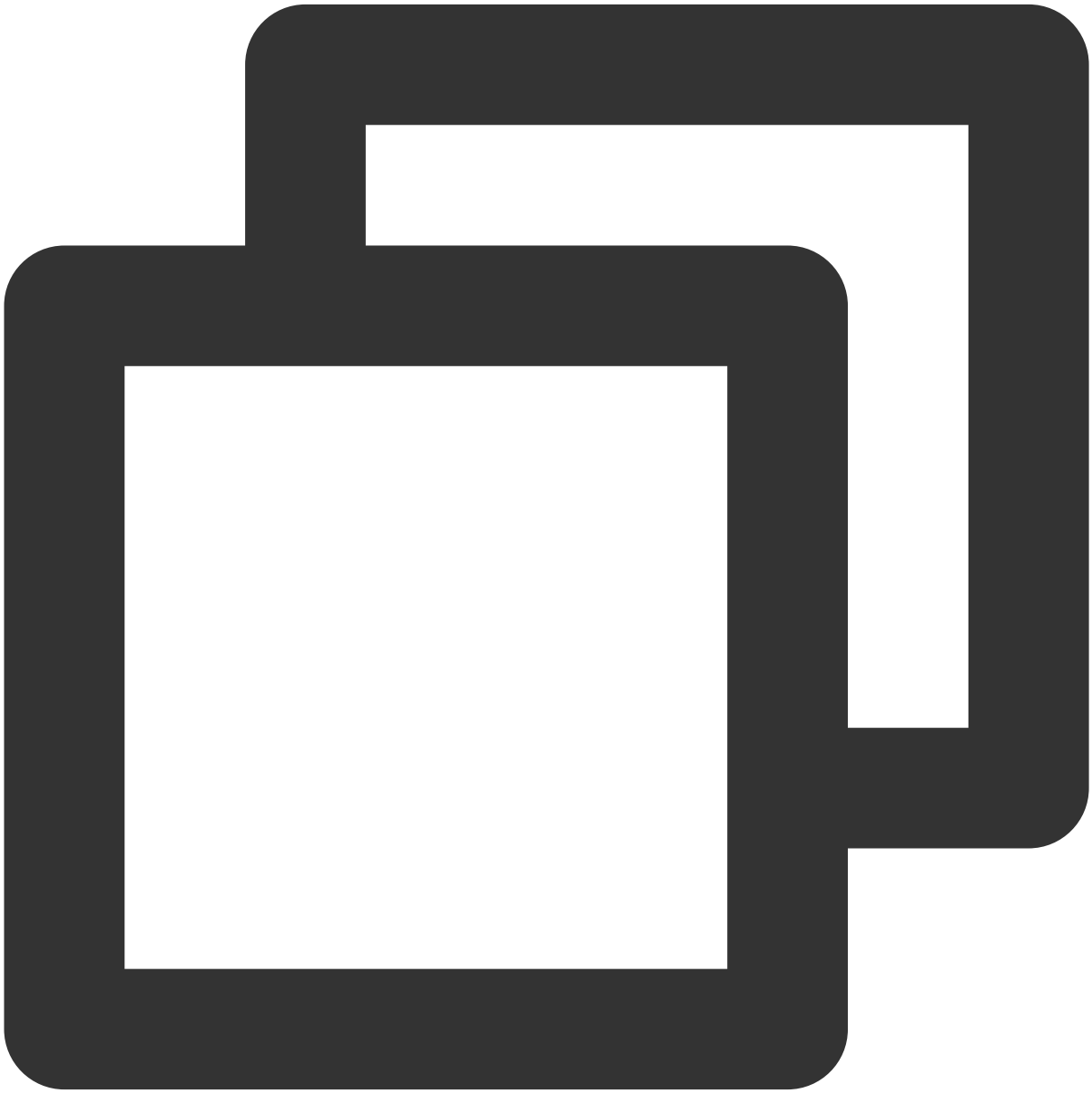

```
{
    "CallbackCommand": "Group.CallbackAfterMemberFieldChanged",    // Callback afte
    "GroupId": "@TGS#xxxx", // Group ID
    "Type": "Community", // Group type
    "Operator_Account": "admin", // Operating User ID
    "Member_Account": "123456", // User ID
    "Role": "Admin", // Changed Member Status
    "NameCard": "jacky", // Changed Group Card Name
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

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Request Packet Fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Operating Group ID
Type	String	Group Type Group Type Introduction, e.g., Public
Operator_Account	String	UserID of the Operator Initiating the Change Request
Member_Account	String	Change Member UserID
Role	String	Changed Member Status, Admin/Member for setting/canceling administrator respectively
NameCard	String	Changed Group Card Name
EventTime	Integer	Event trigger timestamp in milliseconds

Response Packet Example

Following data synchronization, the app backend dispatches a callback response packet.

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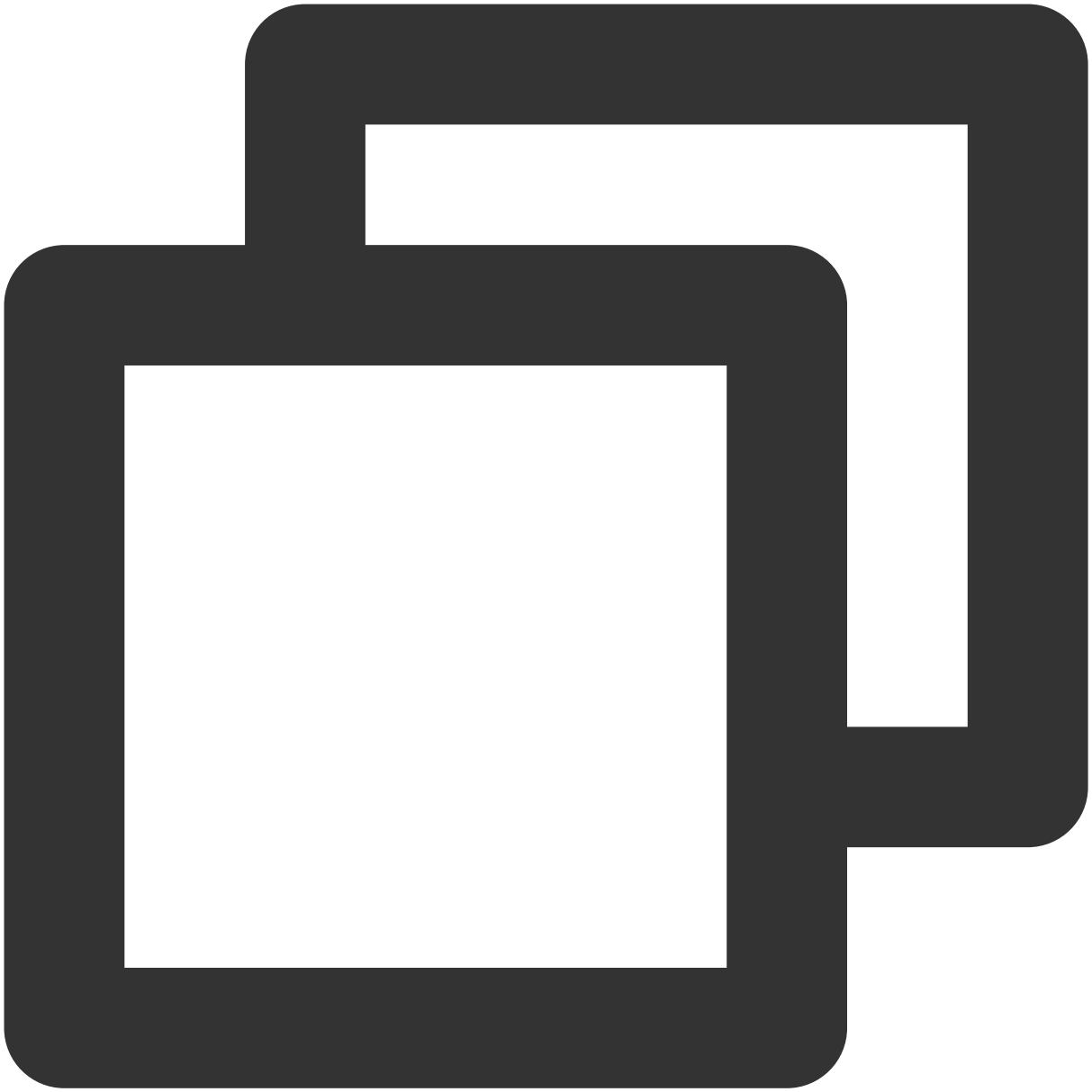

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore callback result
}
```

Response Packet Field Description

Field	Type	Attribute	Description

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ActionStatus	String	Required	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Required	Error Code, entering 0 here means to ignore the response result
ErrorInfo	String	Required	Error message

Reference

Overview of Third-Party Callbacks

RESTful API: Modifying the Profile of a Group Member

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Callback After Group Attribute Changed

Last updated：2024-05-14 14:28:52

Feature Overview

The app Backend can use this callback to view real-time information on Group Custom Definition Attribute changes, including: modification, clearing, resetting, and deletion of group custom attributes. The app Backend can use this callback for operations such as data synchronization.

Notes

To enable the callback, you must configure a callback URL and toggle on the corresponding protocol switch. For detailed configuration methods, see Third-party Callback Configuration document.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After the callback request is received, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related matters, please refer to Introduction to Third-party Callback - Security Considerations.

Scenarios That May Trigger This Callback

An app user modify, clear, reset, delete Group Custom Definition Attributes through the client.
An app administrator modify, clear, reset, delete Group Custom Definition Attributes via RESTful APIs.

Callback Trigger Time

After the change of Group Custom Definition Attributes.

API Description

Sample Request URL

In the subsequent example, the callback URL configured within the app is `https://www.example.com` .
Example:

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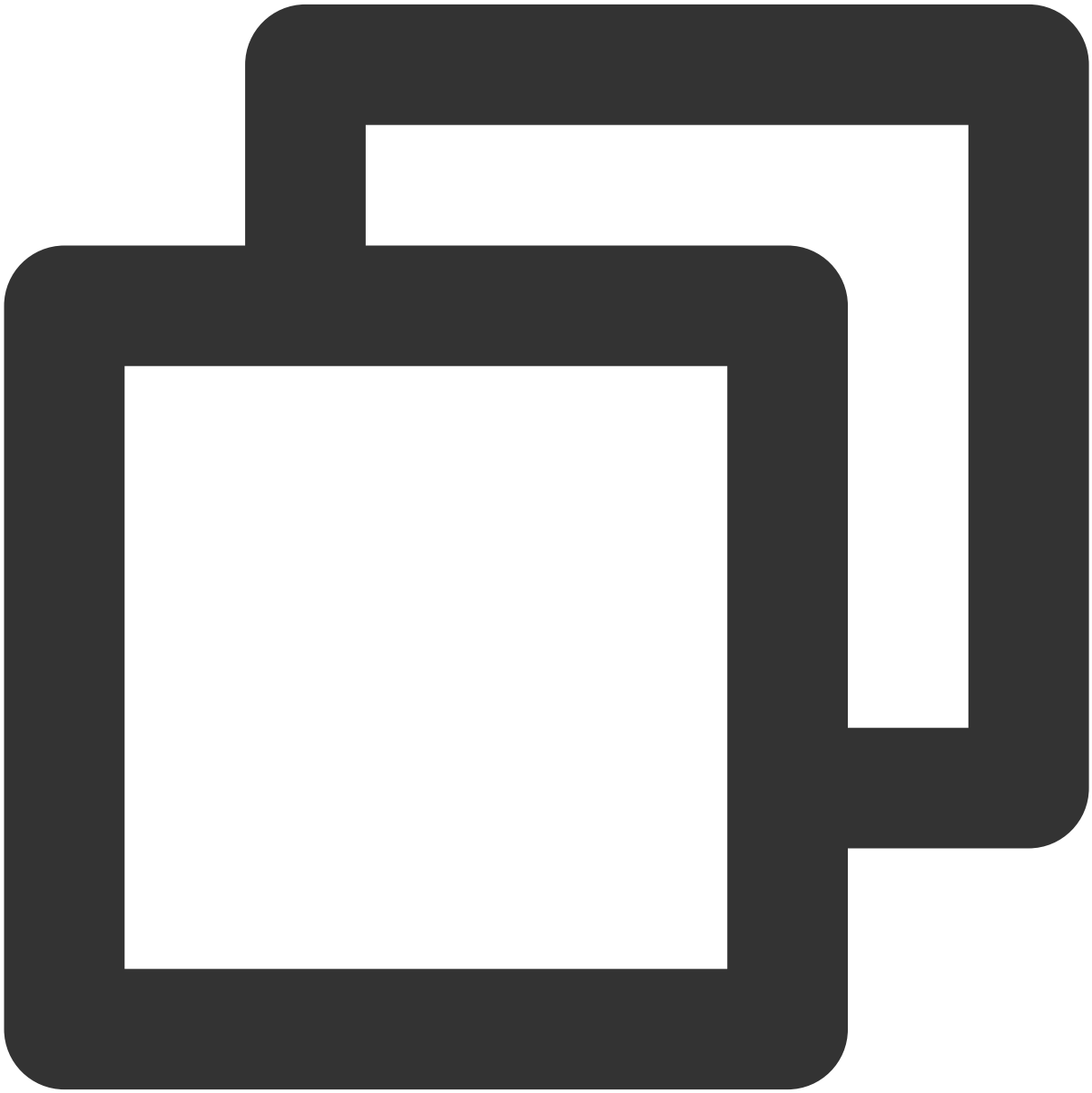

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST
www.example.com	Callback URL

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SdkAppid	SDKAppID allocated by the Chat console at the time of Application creation
CallbackCommand	Set to Group.CallbackAfterGroupAttrChanged
contenttype	Fixed value: JSON
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client Platform, see the meaning of the OptPlatform parameter in Third-Party Callback Introduction - Callback Protocol

Sample Request Packets

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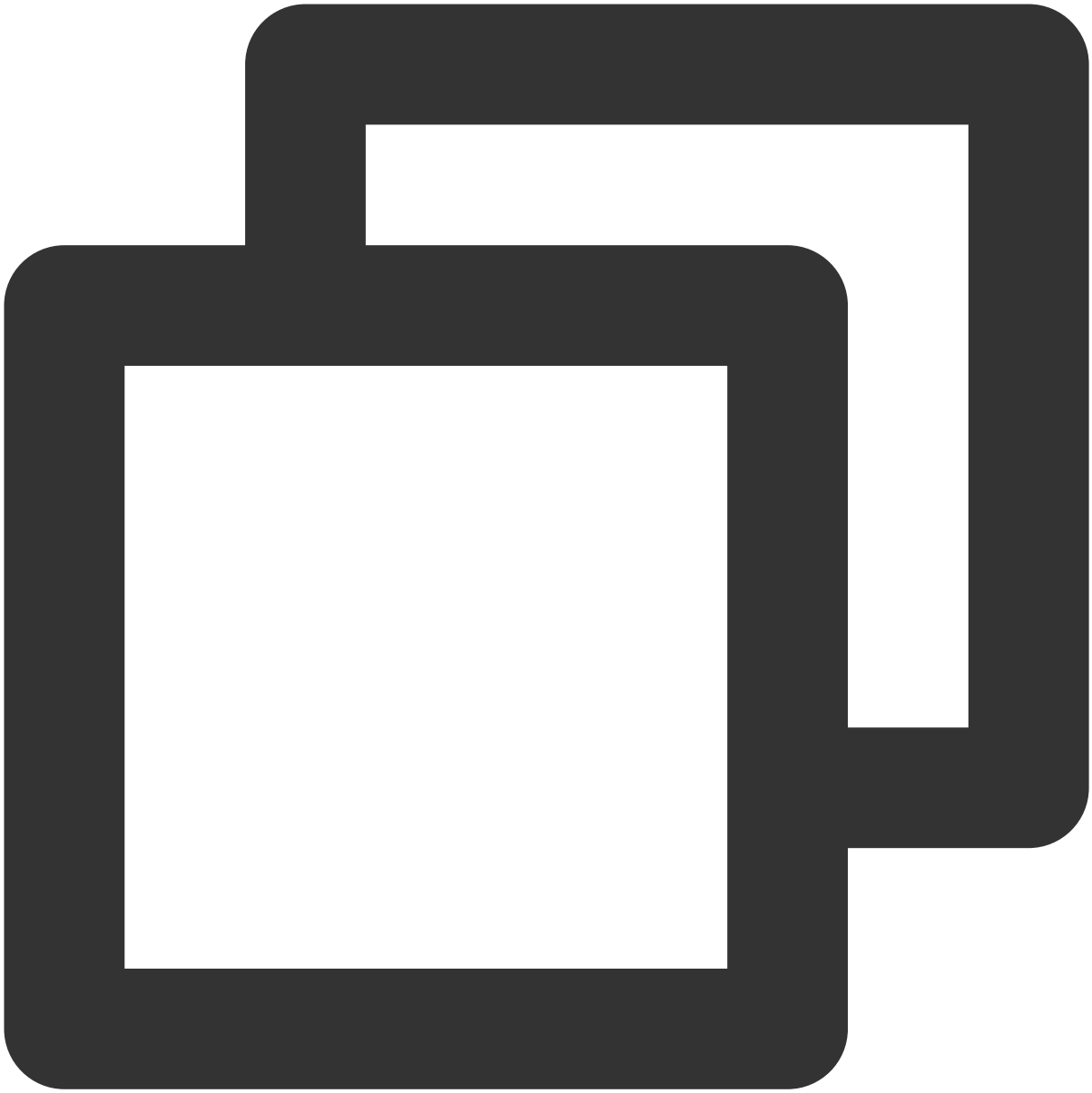

```
{
    "CallbackCommand": "Group.CallbackAfterGroupAttrChanged",
    "GroupId": "@TGS#2J4SZEAEL",
    "Type": "Public",
    "Operator_Account": "leckie",
    "OptionType":"set",   // "set": Reset the attribute defined by the user; "modif
    "GroupAttr": [
        {
            "key": "key1",
            "value": "value1"
        },
```

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```
            {
                "key": "key2",
                "value": "values"
            }
        ],
        "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
    }
```

Request Packet Fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Operating Group ID
Type	String	Group Type Group Type Introduction, e.g., Public
Operator_Account	String	UserID of the operator initiating the request to change the group's user-defined attributes
GroupAttr	Array	Custom Attribute List, where key is the name of the user-defined attribute, and value is the value of the user-defined attribute
EventTime	Integer	Event trigger timestamp in milliseconds

Response Packet Example

Following data synchronization, the app backend dispatches a callback response packet.

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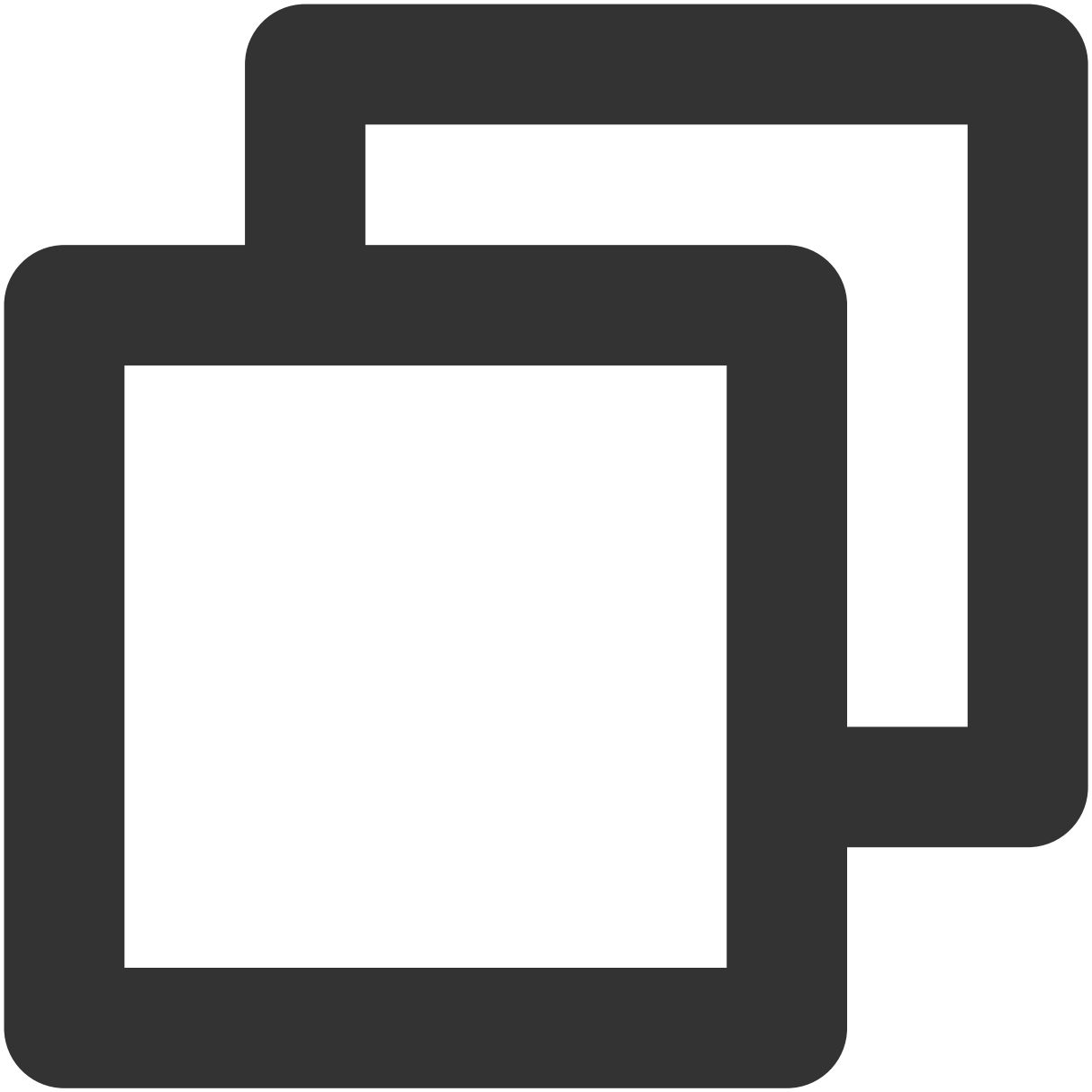

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore callback result
}
```

Response Packet Field Description

Field	Type	Attribute	Description

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ActionStatus	String	Required	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Required	Error Code, entering 0 here means to ignore the response result
ErrorInfo	String	Required	Error message

Reference

Overview of Third-Party Callbacks

REST API: Modify Group Custom Definition Attributes

REST API: Clear Group Custom Definition Attributes

REST API: Reset Group Custom Definition Attributes

REST API: Delete Group Custom Definition Attributes

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Callback After Read Receipt

Last updated：2024-05-14 14:29:35

Feature Overview

The app Backend can use this callback to view the status of group message read receipts in real-time. The app backend can perform operations such as data synchronization.

Notes

To enable the callback, you must configure a callback URL and toggle on the corresponding protocol switch. For detailed configuration methods, see Third-party Callback Configuration document.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After the callback request is received, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related matters, please refer to the Webhook Overview - Security Considerations document.

Scenarios That May Trigger This Callback

An app user sends a read receipt message through the client.
An app user acknowledges group message read receipts through the client.
The app administrator sends a read receipt message via RESTful APIs.

Callback Trigger Time

Send a read receipt message or acknowledge a message as read.

API Description

Sample Request URL

In the subsequent example, the callback URL configured within the app is `https://www.example.com` .
Example:

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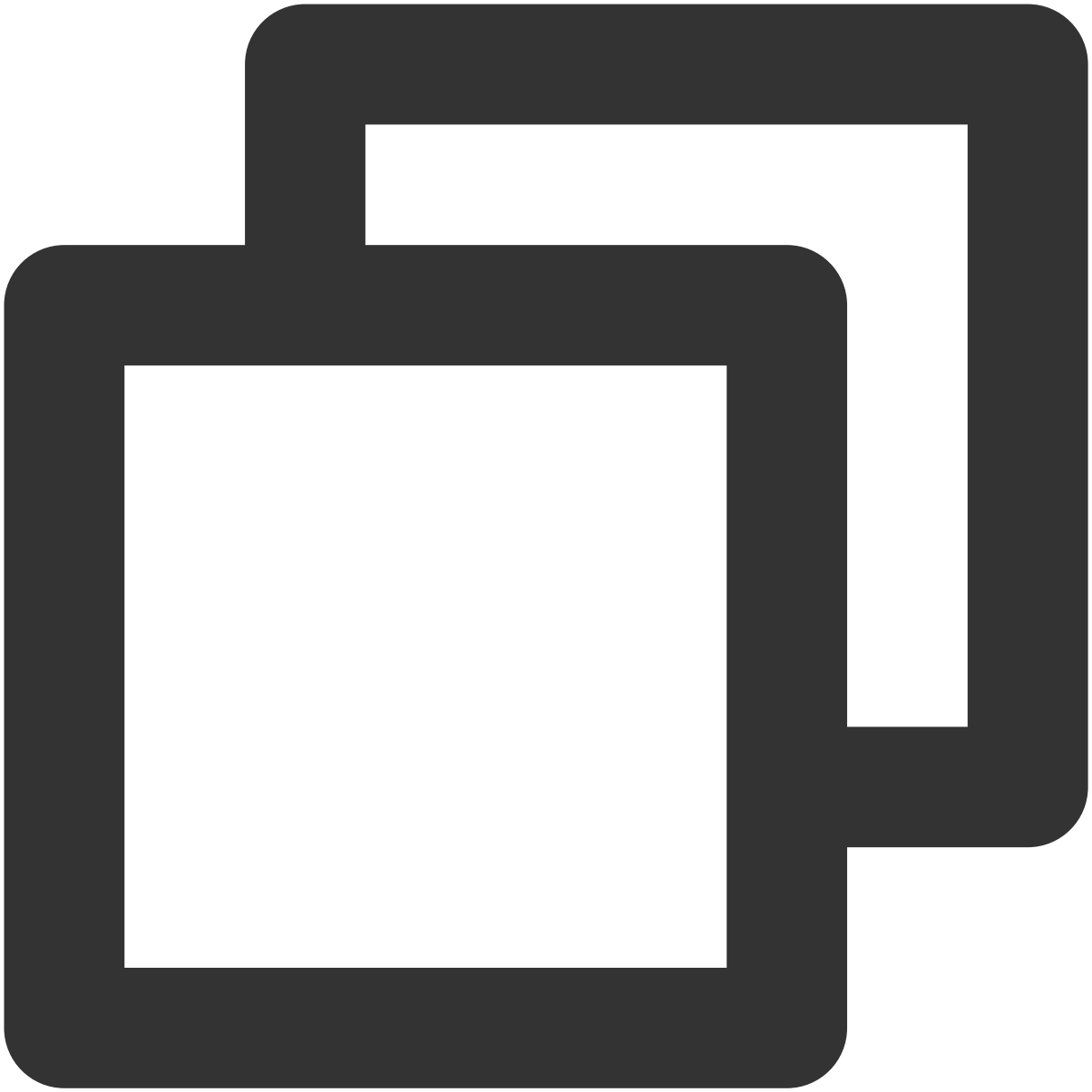

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST
www.example.com	Callback URL

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SdkAppid	SDKAppID allocated by the Chat console at the time of Application creation
CallbackCommand	Fixed to Group.CallbackAfterReadReceipt
contenttype	Fixed value: JSON
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform, see the meaning of OptPlatform in Webhook Overview: Callback Protocol

Sample Request Packets

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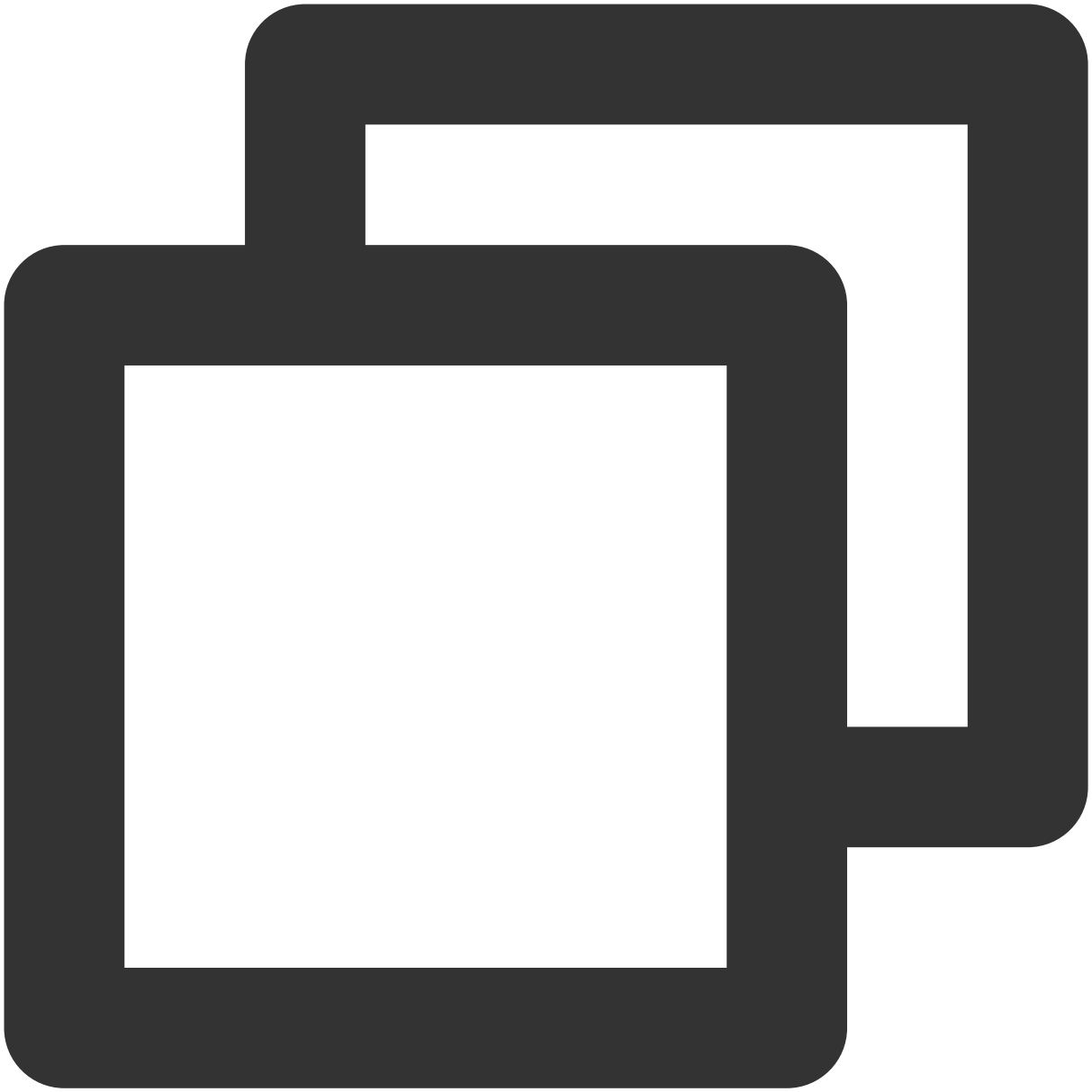

```
{
    "CallbackCommand": "Group.CallbackAfterReadReceipt",    // Callback after read
    "GroupId": "@TGS#2TTV7VSII", // Group ID
    "Type": "Public", // Group Type
    "GroupMsgReceiptList": [   // Read Receipt Message
      {
          "MsgSeq": 1,
          "ReadNum": 1,       // Group message read count
          "UnreadNum": 6      // Group message unread count
          "ReadReceiptMembers":[
              {
```

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```
                    "Member_Account":"user0"
                }
            ]
        },
        {
            "MsgSeq": 2,
            "ReadNum": 1,
            "UnreadNum": 6,
            "ReadReceiptMembers":[
                {
                    "Member_Account":"user0"
                }
            ]
        }
    ],
    "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

Request Packet Fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Operating Group ID
Type	String	Group Type (Community not supported for now) Group Type Introduction, for example, Public
GroupMsgReceiptList	Array	Read Receipt Information
MsgSeq	Integer	Message Seq
ReadNum	Integer	Number of Read Members
UnreadNum	Integer	Number of Unread Members
ReadReceiptMembers	Array	List of Read Members, Member_Account is the UserID of members who have read
EventTime	Integer	Event trigger timestamp in milliseconds

Response Packet Example

Following data synchronization, the app backend dispatches a callback response packet.

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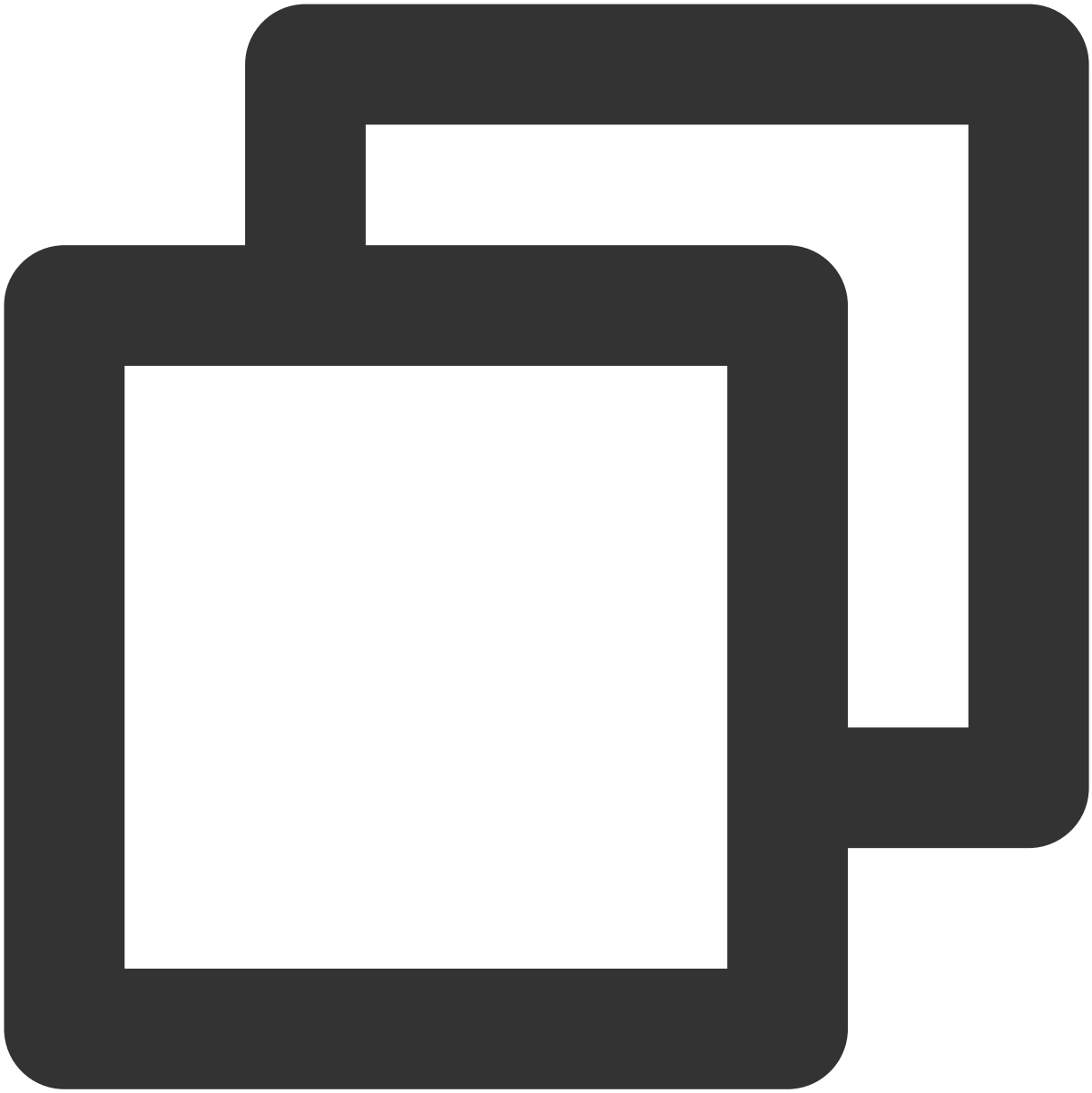

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore callback result
}
```

Response Packet Field Description

Field	Type	Attribute	Description

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ActionStatus	String	Required	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Required	Error Code, entering 0 here means to ignore the response result
ErrorInfo	String	Required	Error message

Reference

Overview of Third-Party Callbacks

RESTful API: Sending Ordinary Messages in a Group

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Callback After the Group Owner Changed

Last updated：2024-05-14 14:30:33

Feature Overview

The app backend can use this callback to view group owner change information in real-time. The app backend can perform operations such as data synchronization based on this callback.

Notes

To enable the callback, you must configure a callback URL and toggle on the corresponding protocol switch. For detailed configuration methods, see Third-party Callback Configuration document.
During this callback, the Chat backend initiates an HTTP POST request to the app backend.
After the callback request is received, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For other security-related matters, please refer to the Webhook Overview - Security Considerations document.

Scenarios That May Trigger This Callback

An app user successfully transfers the group owner via the client.
An app administrator successfully transfers the group owner via the REST API.

Callback Trigger Time

After you successfully transferring the group owner.

API Description

Sample Request URL

In the subsequent example, the callback URL configured within the app is `https://www.example.com` .
Example:

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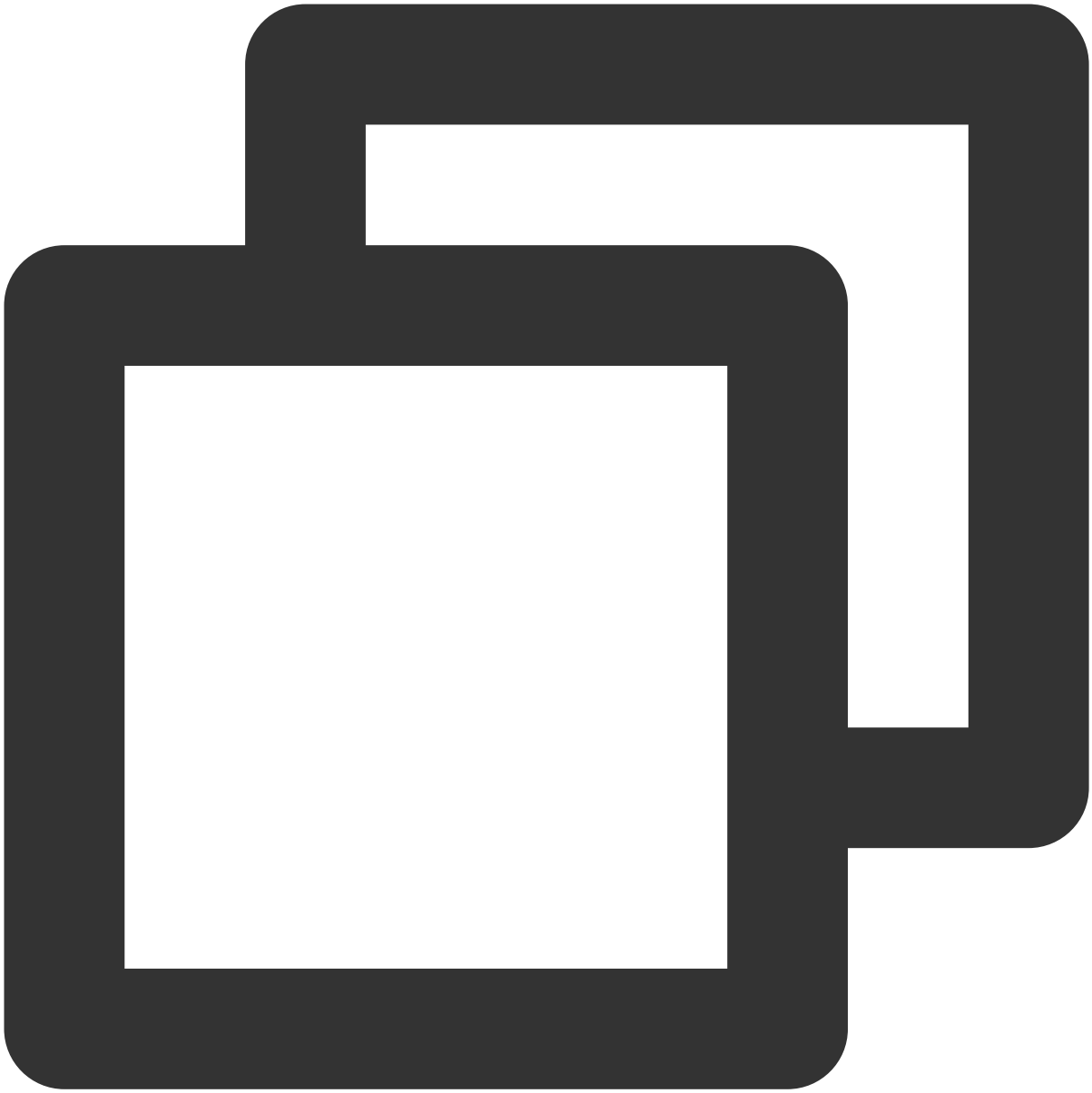

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST
www.example.com	Callback URL

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SdkAppid	SDKAppID allocated by Chat console at the time of application creation
CallbackCommand	Fixed to Group.CallbackAfterChangeGroupOwner
contenttype	Fixed value: JSON
ClientIP	Client IP, for example: 127.0.0.1
OptPlatform	Client Platform, see the Webhook Overview - Callback Protocol for the meaning of the OptPlatform parameter

Sample Request Packets

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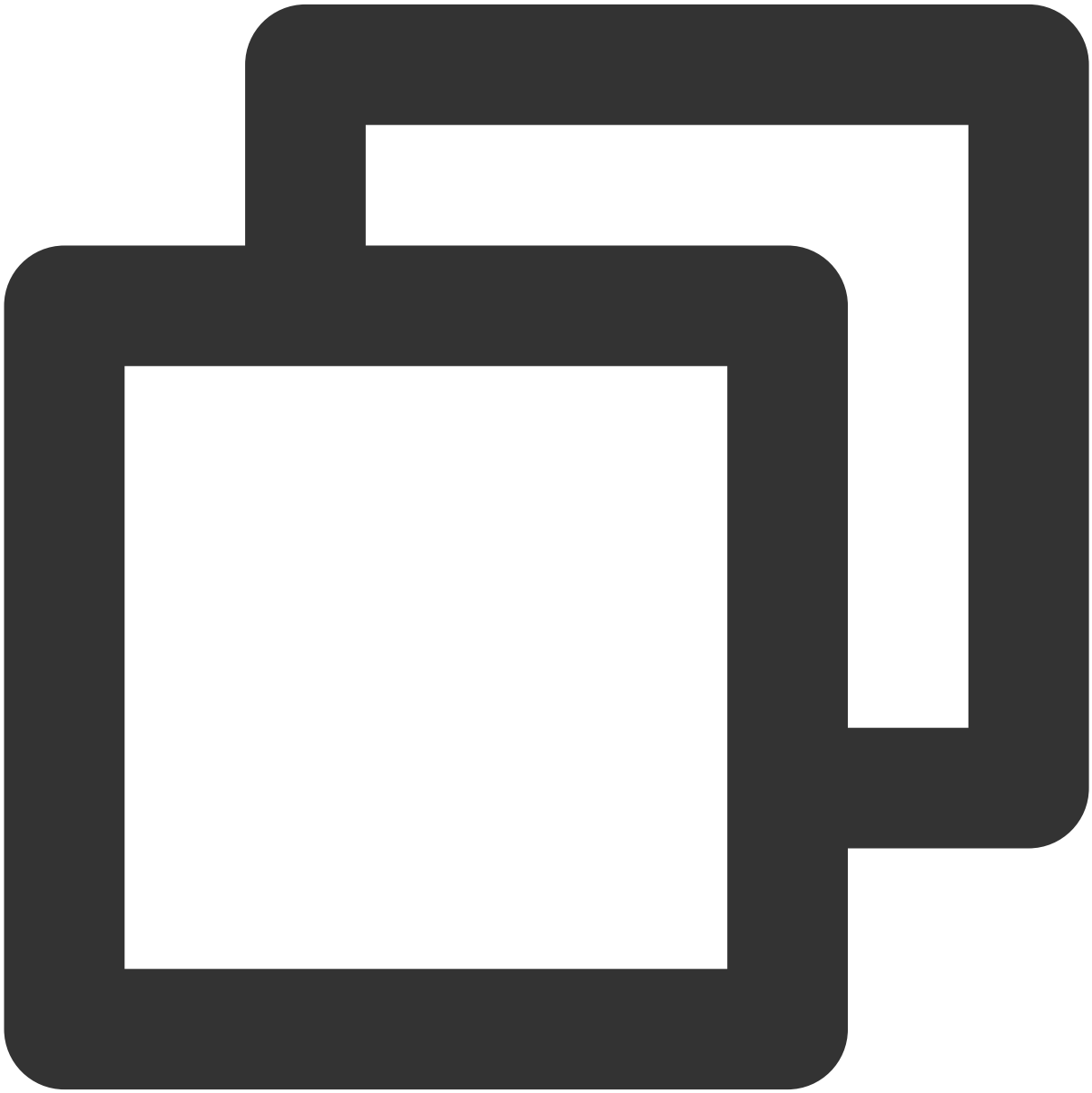

```
{
    "CallbackCommand": "Group.CallbackAfterChangeGroupOwner",    // Callback after
    "GroupId": "@TGS#2TTV7VSII", // Group ID
    "Type": "Public", // Group Type
       "Operator_Account": "admin", // Operating User ID
       "OldOwner_Account": "user1", // Original group owner
       "NewOwner_Account": "user2", // New group owner
       "EventTime":"1670574414123"// Event trigger timestamp in milliseconds
}
```

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Request Packet Fields

Field	Type	Description
CallbackCommand	String	Callback command
GroupId	String	Operating Group ID
Type	String	Group Type Group Type Introduction, e.g., Public
Operator_Account	String	Operating User UserID
OldOwner_Account	String	Original Group Owner UserID
NewOwner_Account	String	New Group Owner UserID
EventTime	Integer	Event trigger timestamp in milliseconds

Response Packet Example

Following data synchronization, the app backend dispatches a callback response packet.

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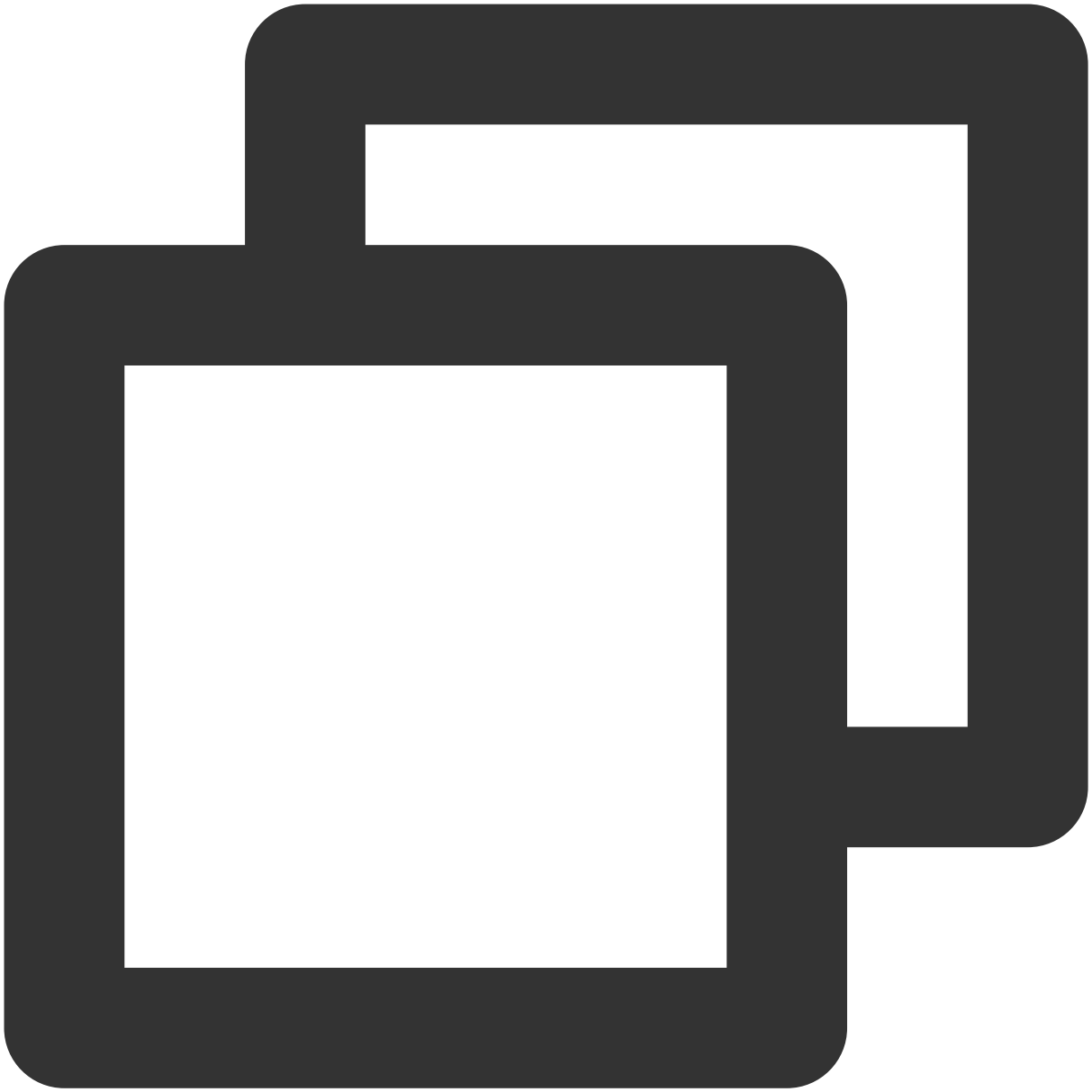

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore callback result
}
```

Response Packet Field Description

Field	Type	Attribute	Description

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ActionStatus	String	Required	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Required	Error Code, entering 0 here means to ignore the response result
ErrorInfo	String	Required	Error message

Reference

Overview of Third-Party Callbacks

REST API: Transfer Group Owner

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Webhooks related to the Official Account Before a Official Account Is Created

Last updated：2024-06-18 16:08:19

Feature Overview

The app backend can use this webhook to view requests for creating official accounts in real time, including the ability to reject these requests.

Notes

To enable the webhook, you must configure the webhook URL and enable corresponding switch for this webhook protocol. more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the SDKAppID of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

The app administrator creates a Official Account via the REST API.

Webhook Triggering Timing

Chat backend is preparing to create a Official Account.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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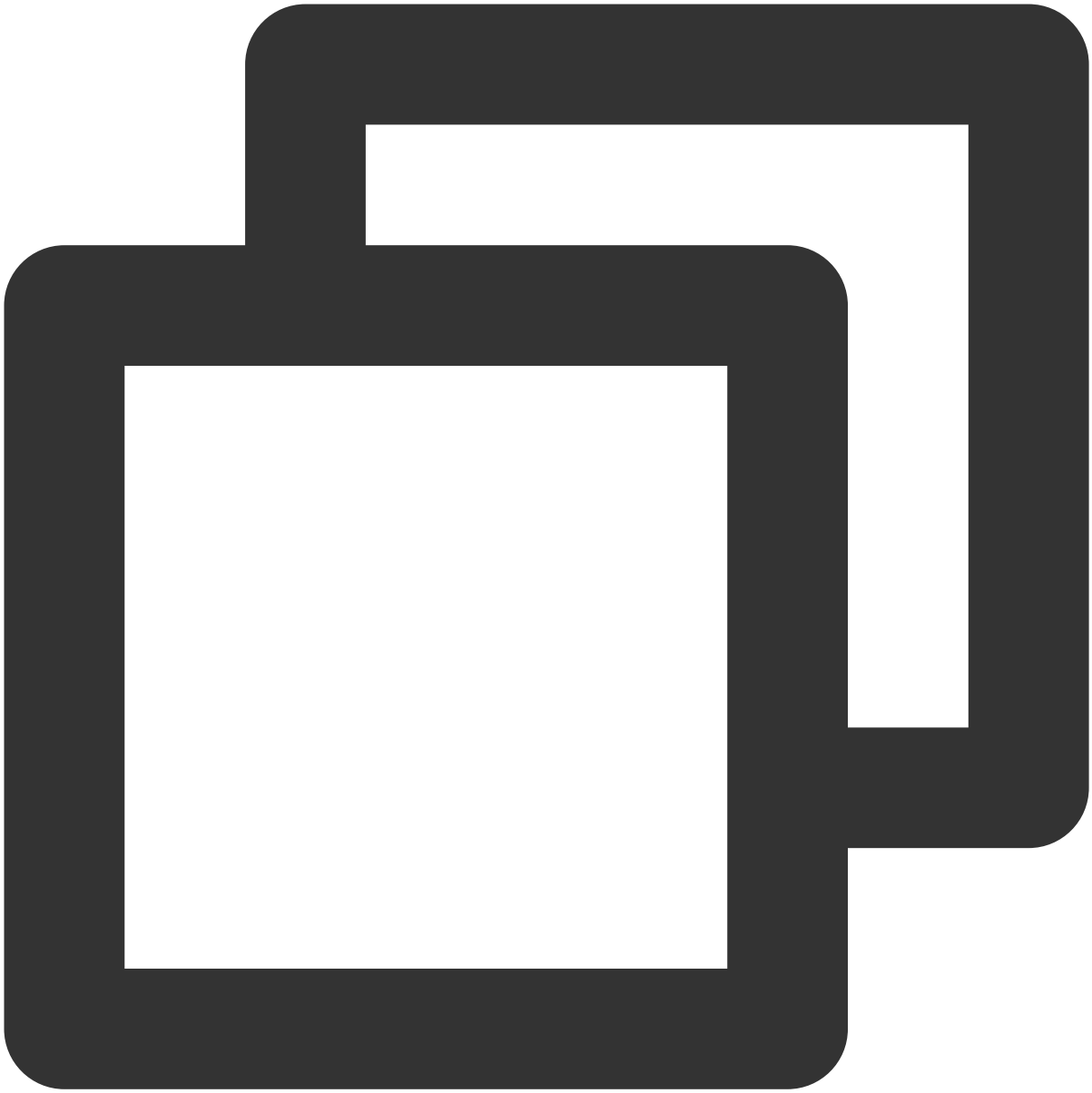

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL.

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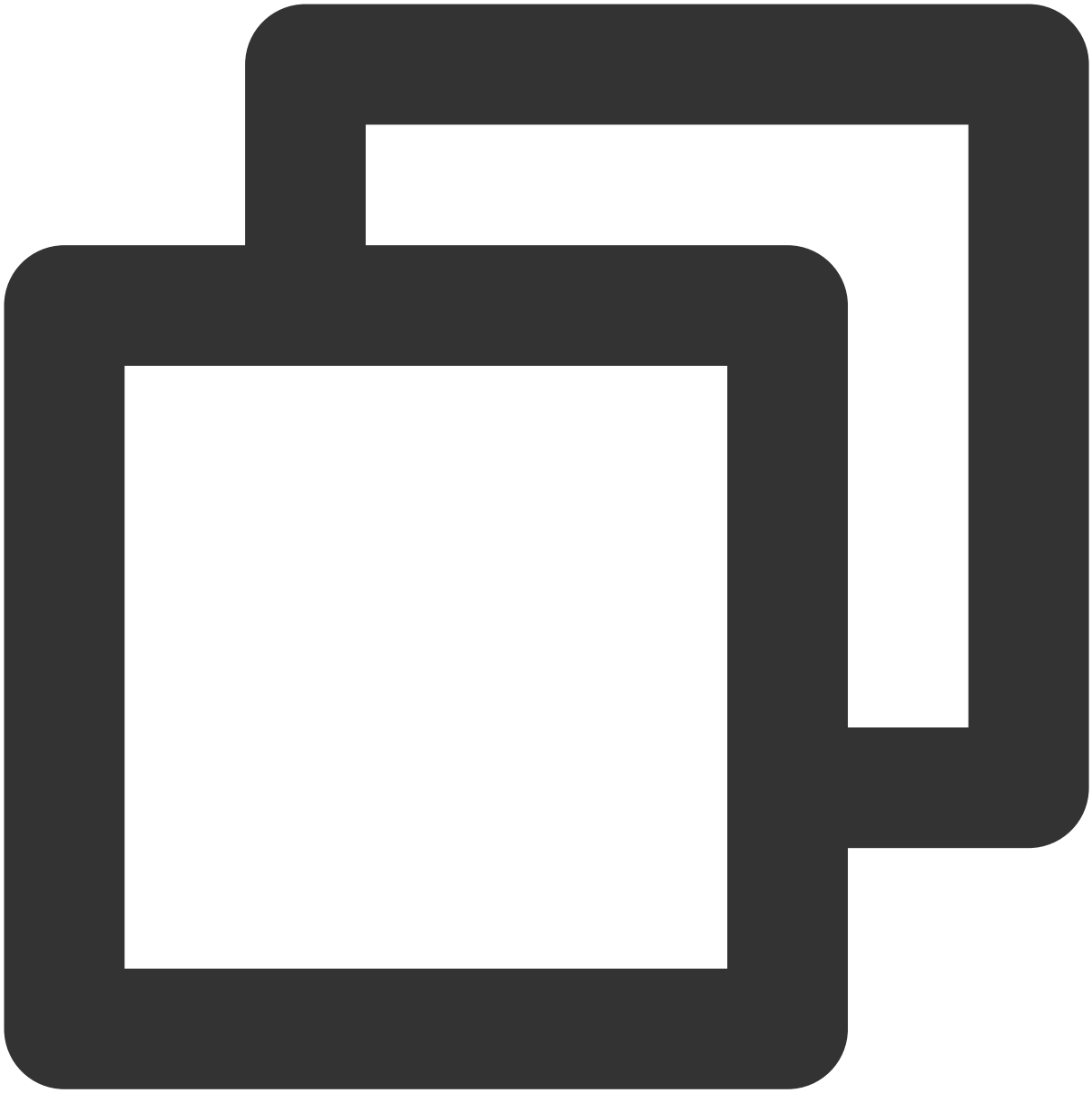
SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed to: OfficialAccount.CallbackBeforeCreateOfficialAccount.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Callback Protocol for the meaning of the OptPlatform parameter.

Sample request



```
{
    "CallbackCommand": "OfficialAccount.CallbackBeforeCreateOfficialAccount", // Ca
    "Operator_Account": "107867", // Operator
    "Owner_Account": "107867", // Creator
    "Name": "TestOfficialAccount", // Name of the official account
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

Request fields

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Object	Features	Feature
CallbackCommand	String	Webhook command.
Operator_Account	String	UserID of the operator who initiates the create request.
Owner_Account	String	The creator of the official account, who is also the owner of the official account.
Name	String	Name of the official account to be created.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Allows creation

Allows users to create official accounts.

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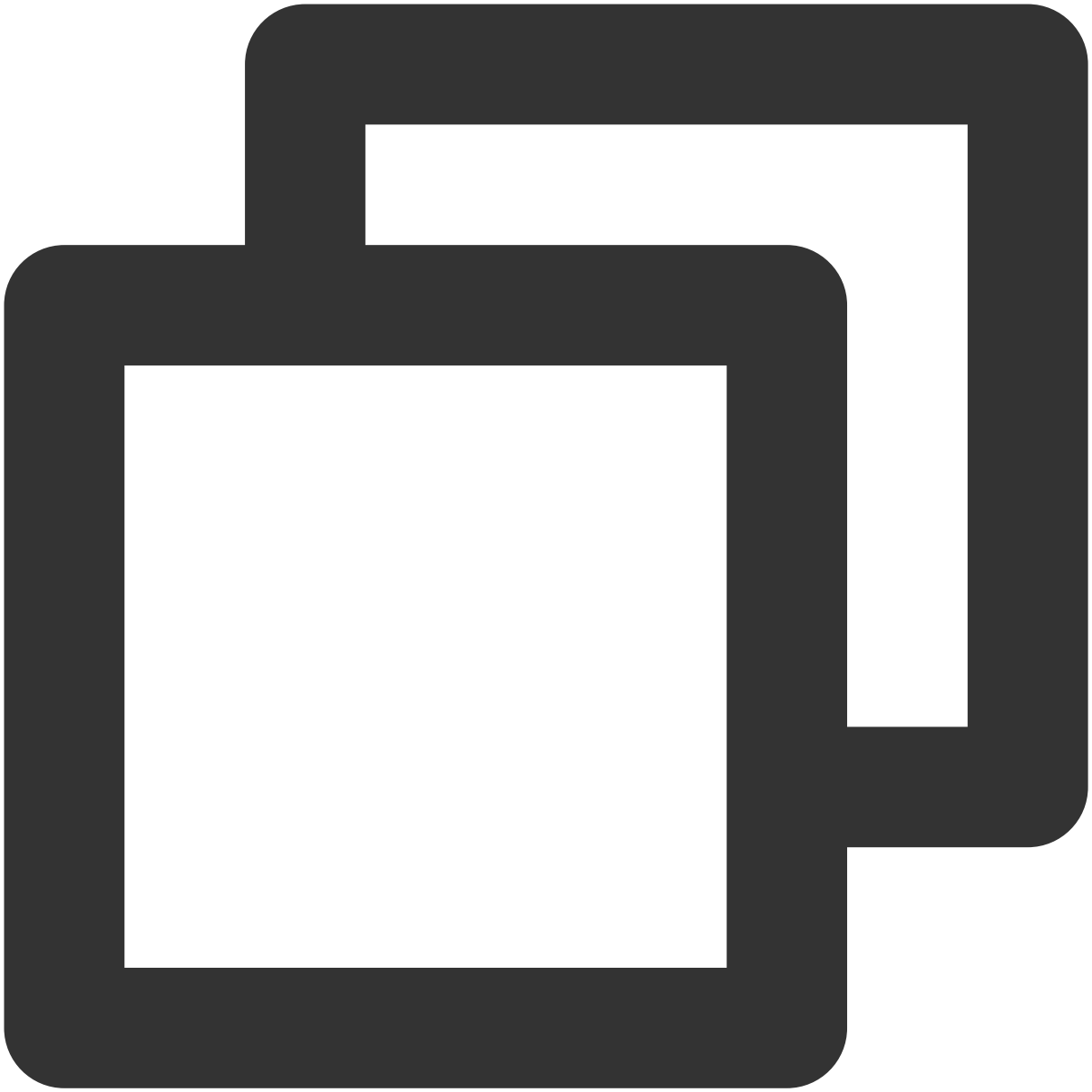

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Allows creation
}
```

Prohibit Creation

Users are not allowed to create official accounts. The official account will not be created, and the error code 20006 will be returned to the caller.

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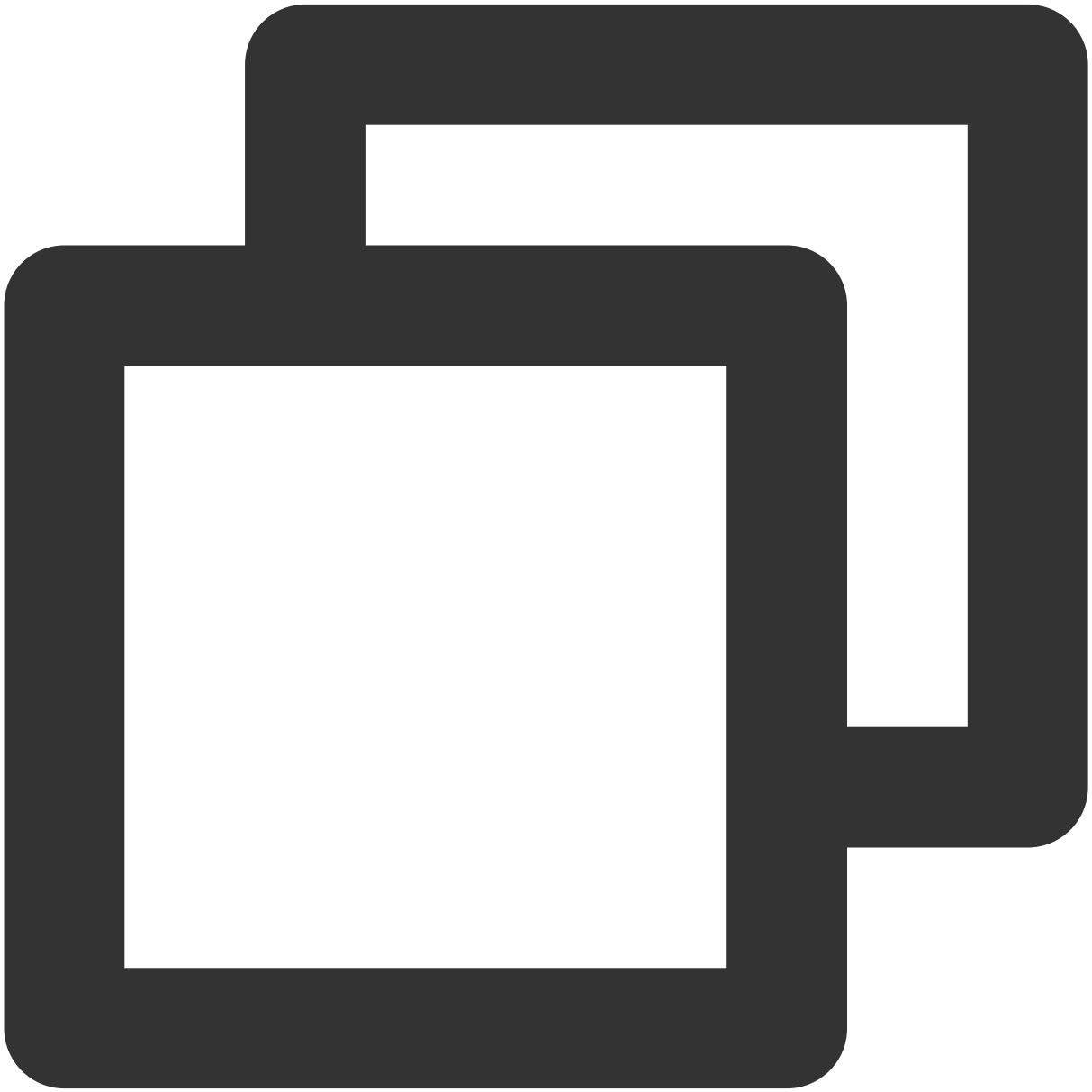

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // Denied Creation
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, 0 allows creation; 1 denies creation. If the service wishes to use its own error code to deny user group creation, pass the error code ErrorCode and ErrorInfo to the client. Please set the ErrorCode within the range [120001, 130000].
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API: Creating an Official Account

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After a Official Account Is Created

Last updated：2024-06-18 16:08:35

Feature Overview

This webhook event allows the app backend to view information related to the creation of official accounts by users in real time, including notifying the app backend of the successful creation of an official account, allowing for data synchronization and other operations.

Notes

To enable the webhook, you must configure the webhook URL and enable the corresponding switch for this webhook. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat Server initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app server must check whether the SDKAppID contained in the request URL is the SDKAppID of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

The app administrator creates a Official Account through the REST API.

Webhook Triggering Timing

After the Official Account Is Successfully Created.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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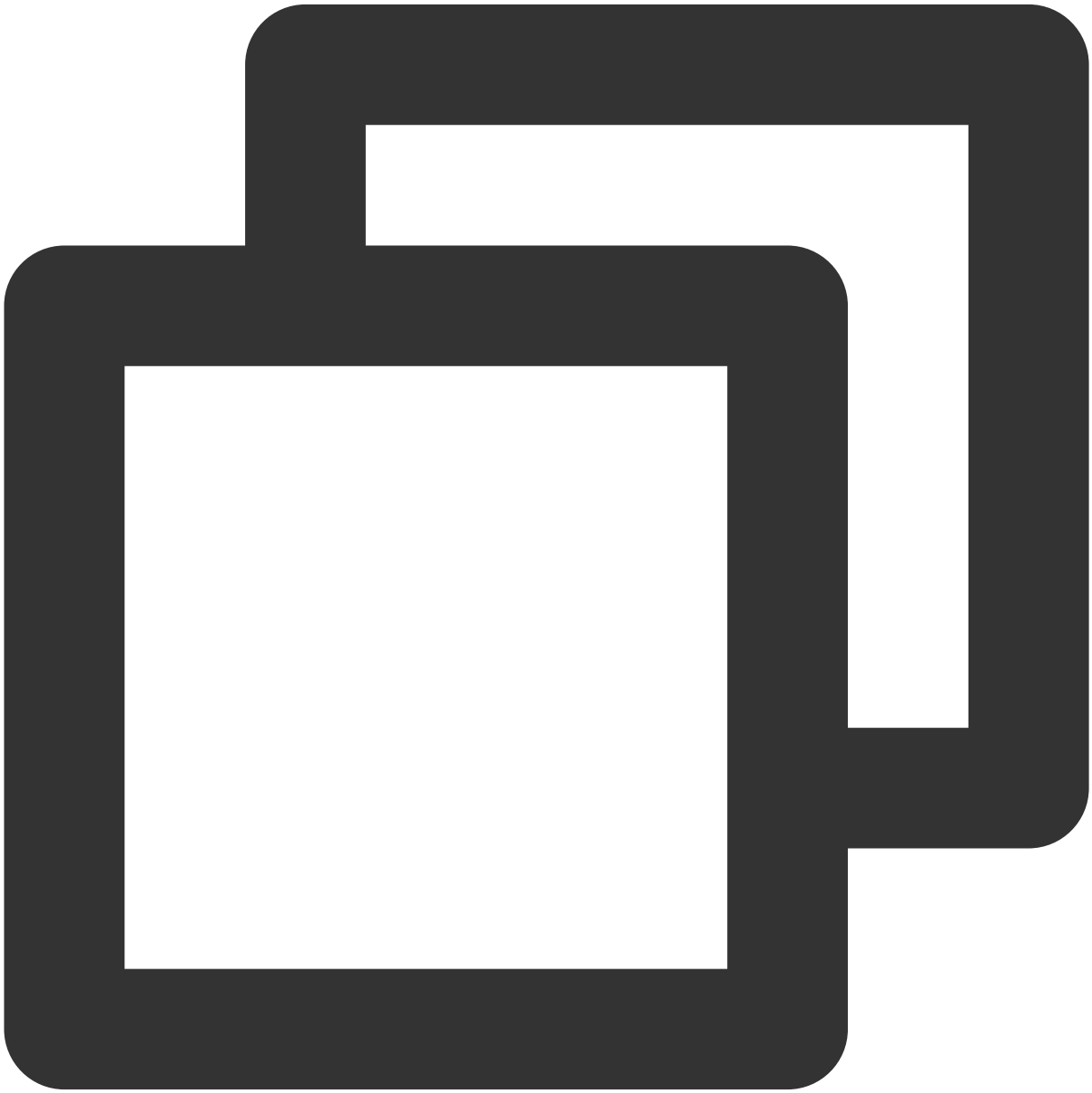

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Callback URL.

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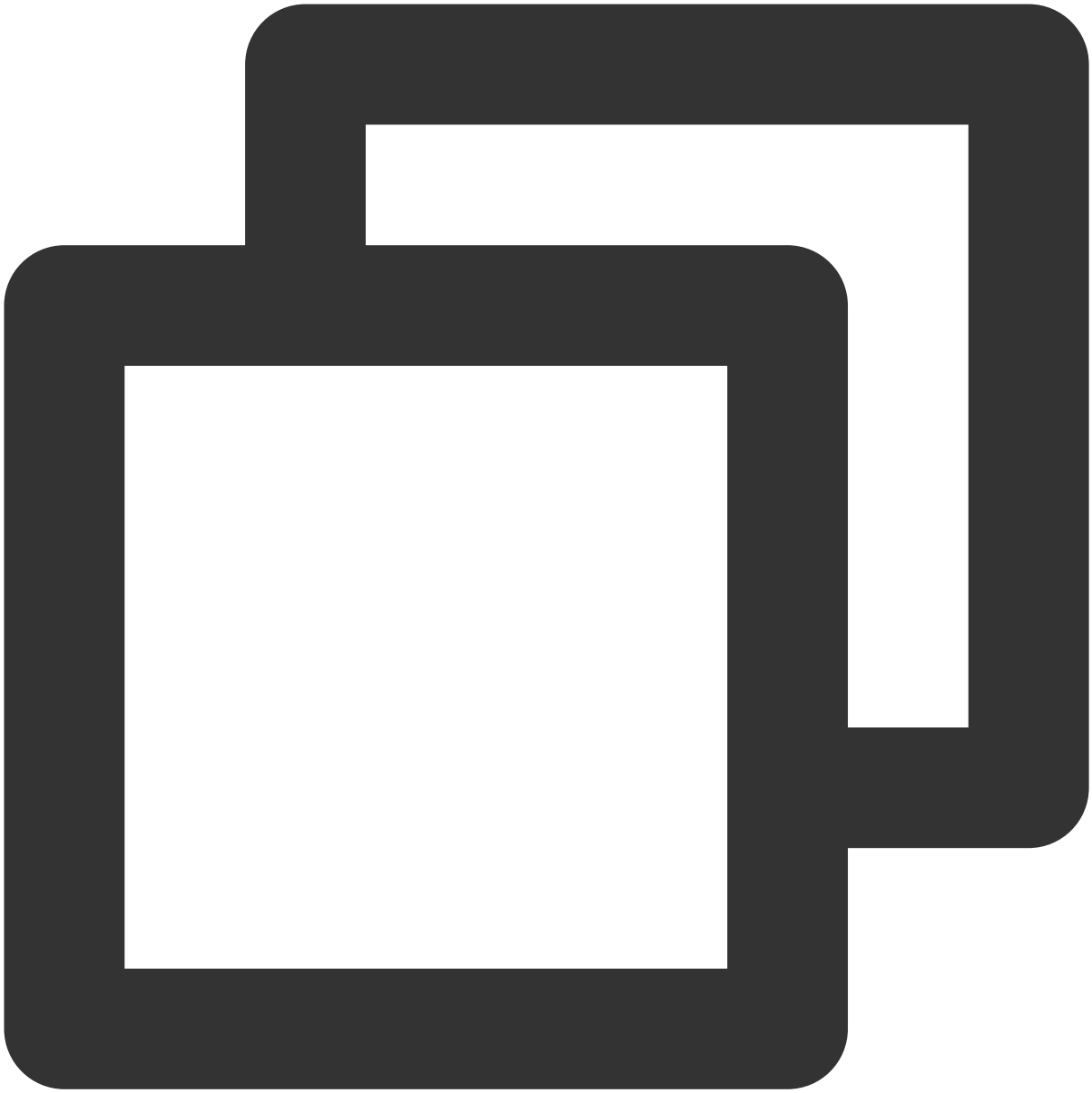
SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed to: OfficialAccount.CallbackAfterCreateOfficialAccount.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Callback Protocol for the meaning of the OptPlatform parameter.

Sample request packets



```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterCreateOfficialAccount", // Cal
    "Official_Account" : "@TOA#_test_OA_for_penn",
    "Operator_Account": "107867", // Operator
    "Owner_Account": "107867", // Creator
    "Name": "TestOfficialAccount", // Name of the official account
    "EventTime": 1670574414123// Millisecond level, event trigger timestamp
}
```

Request packet fields

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Object	Features	Feature
CallbackCommand	String	Webhook command.
Operator_Account	String	UserID of the operator who initiates the create request.
Official_Account	String	Official account User ID created.
Owner_Account	String	The creator of the official account, who is also the owner of the official account.
Name	String	Name of the official account to be created.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Following data synchronization, the app backend dispatches a webhook response packet.

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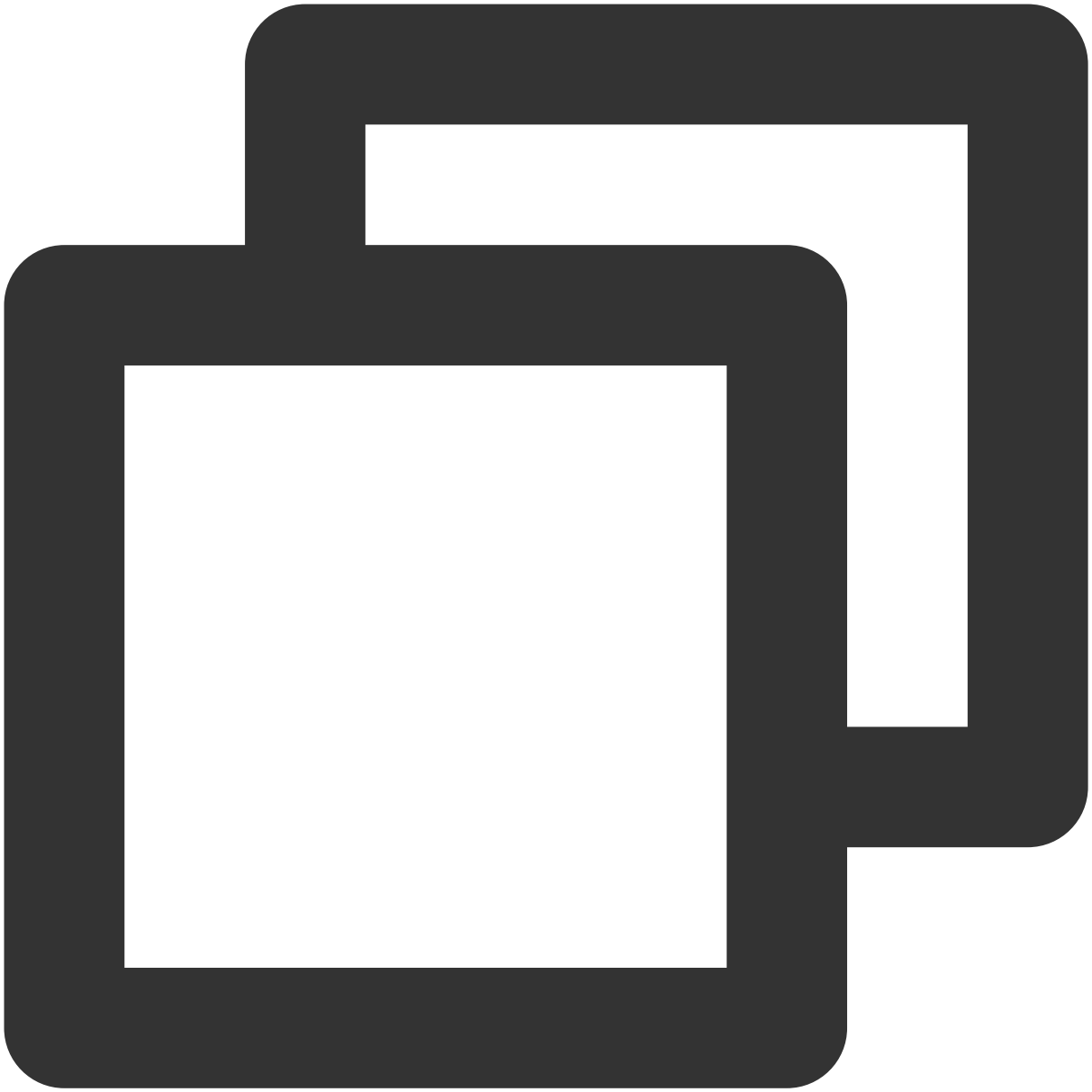

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, a 0 here means to ignore the response.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API:Create a official account

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After Official Account Profile Is Modified

Last updated：2024-06-18 16:08:51

Feature Overview

Through this webhook, the app backend can view changes to Official Account Information (such as Official Account Name, Official Account Description, Official Account Avatar, etc.) in real time, including realtime records of changes to Official Account Information (e.g., logging or syncing to other systems).

Notes

To enable the webhook, you must configure a webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For other security-related matters, please refer to the Webhook Introduction: Security Considerations.

Webhook Triggering Scenarios

App admins modify Official Account information through REST API

Webhook Triggering Timing

After Successfully Modifying Official Account Information

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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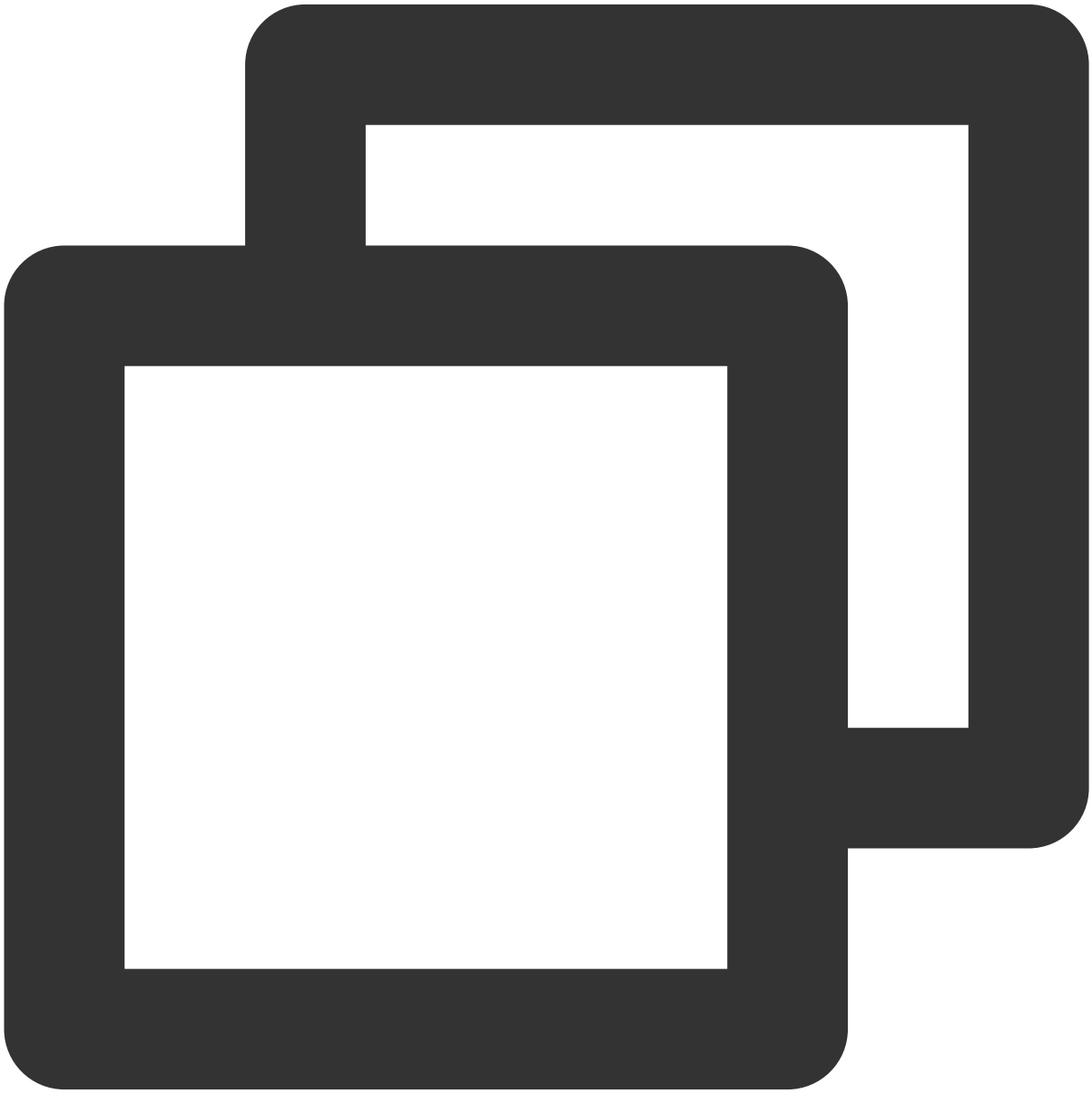

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST
www.example.com	Webhook URL

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SdkAppid	SDKAppID allocated by the Instant Messaging console at the time of Application creation
CallbackCommand	Set to: OfficialAccount.CallbackAfterOfficialAccountInfoChanged
contenttype	Fixed value: JSON
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform, for values refer to webhook introduction: Webhook protocol with regards to the parameter meanings of OptPlatform

Sample request

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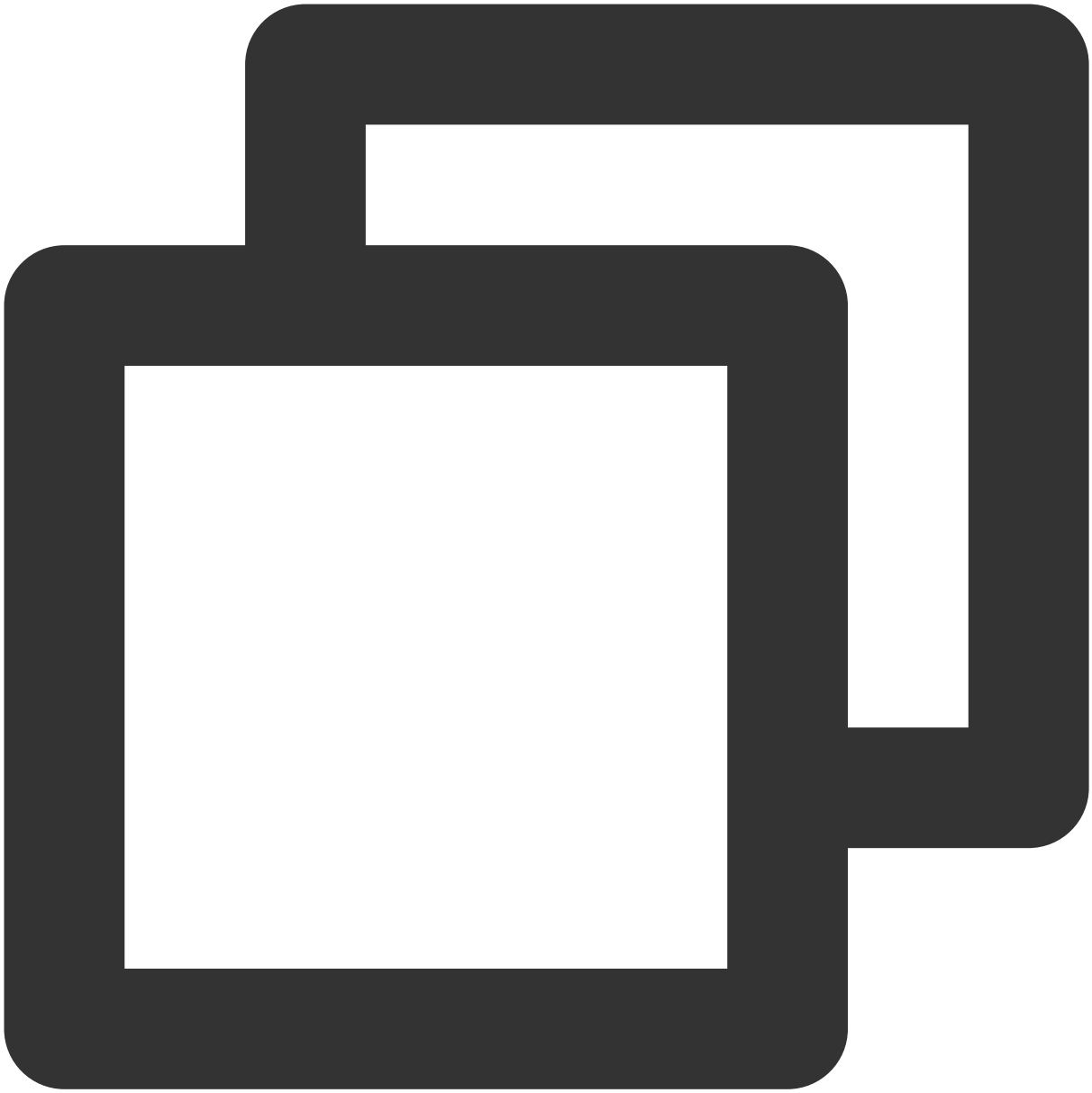

```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterOfficialAccountInfoChanged", /
    "Official_Account" : "@TOA#_test_OA_for_penn",
    "Operator_Account": "leckie", // Operator
    "Introduction": "NewNotification", // Updated official account introduction
    "Name": "NewName",          // Updated official account name
    "FaceUrl": "http://this.is.newface.url"     // Updated official account profile
        "Organization": "NewOrganization"               // Updated official account
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

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Request fields

Object	Features	Feature
CallbackCommand	String	Webhook command
Operator_Account	String	Initiator's UserID
Official_Account	String	Created Official Account ID
Introduction	String	Updated official account introduction
Name	String	Updated Official Account Name
FaceUrl	String	Updated Official Account Avatar
Organization	String	Updated Official Account Affiliated Organization
EventTime	Integer	Event trigger timestamp in milliseconds

Sample response

Following data synchronization, the app backend dispatches a webhook response packet.

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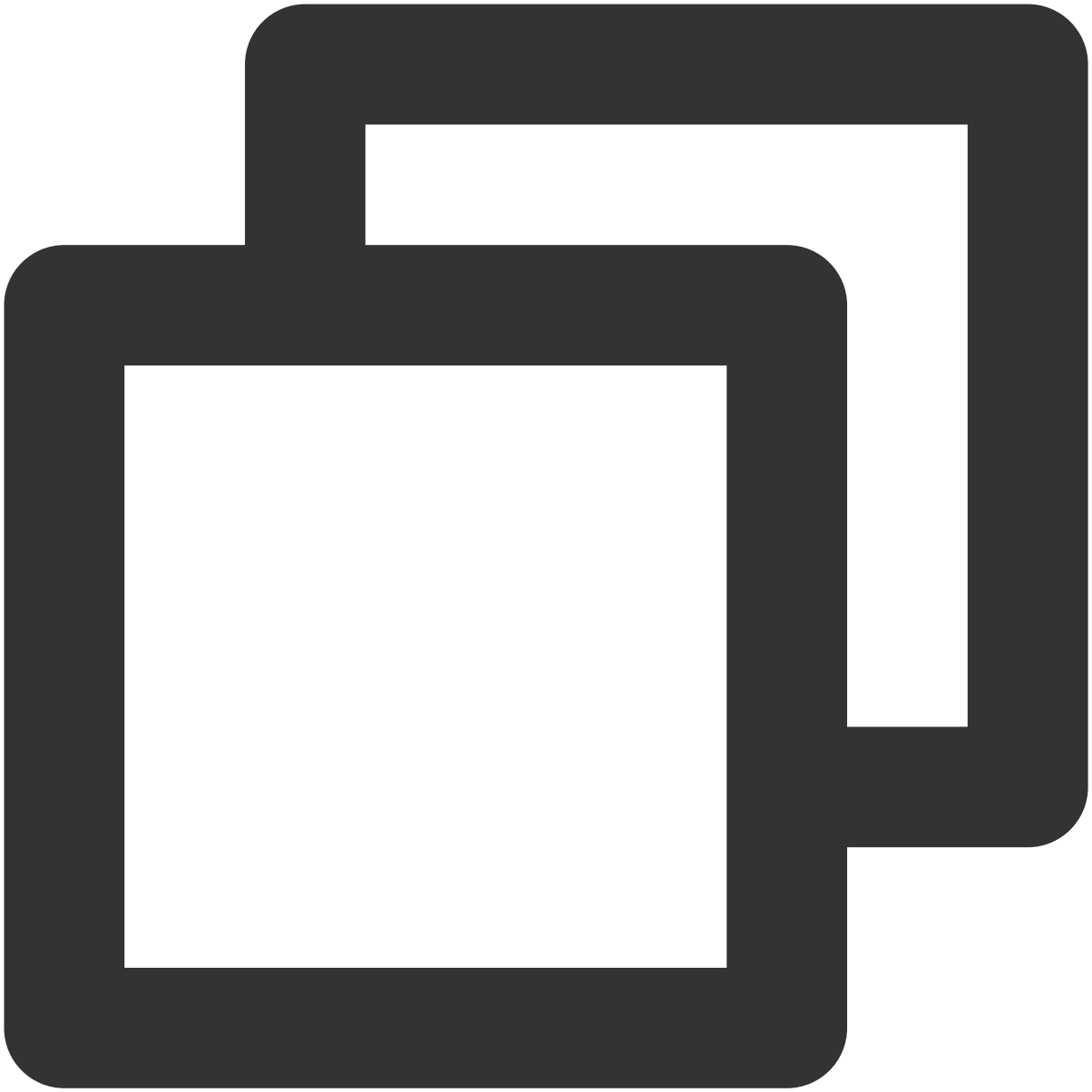

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Results of the request processing OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, entering 0 here means to ignore the response result
ErrorInfo	String	Mandatory	Error message

References

Webhook Overview

Modify Official Account Information

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After Official Account Is Destroyed

Last updated：2024-06-18 16:10:49

Feature Overview

The app backend can monitor the dissolution dynamics of the official account in real time through this webhook, including: real-time recording of the official account's dissolution (for example, logging or syncing to other systems).

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

The app administrator destroys the official account through the REST API.

Webhook Triggering Timing

After the official account is successfully destroyed.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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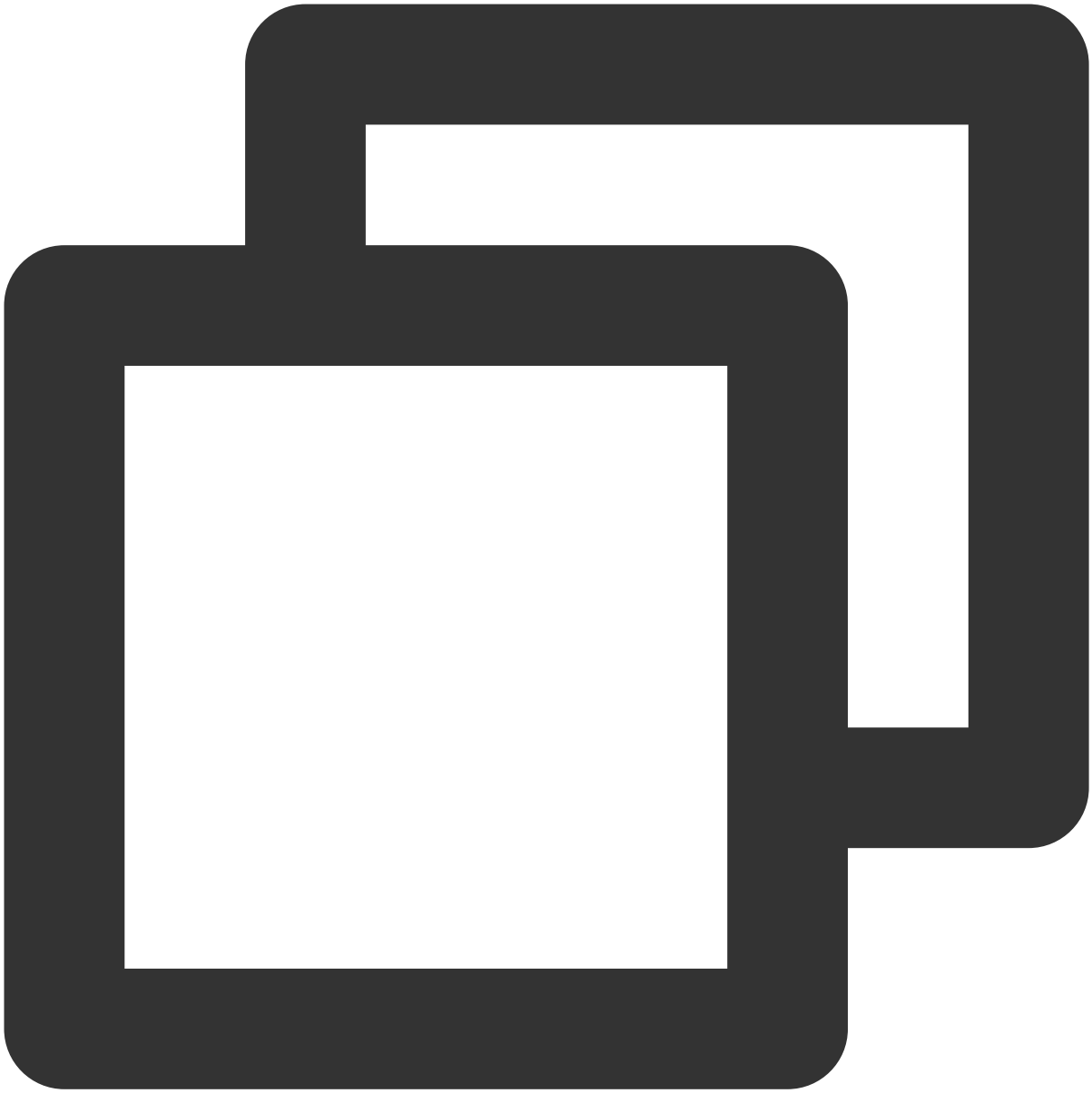

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed to: OfficialAccount.CallbackAfterOfficialAccountDestroyed.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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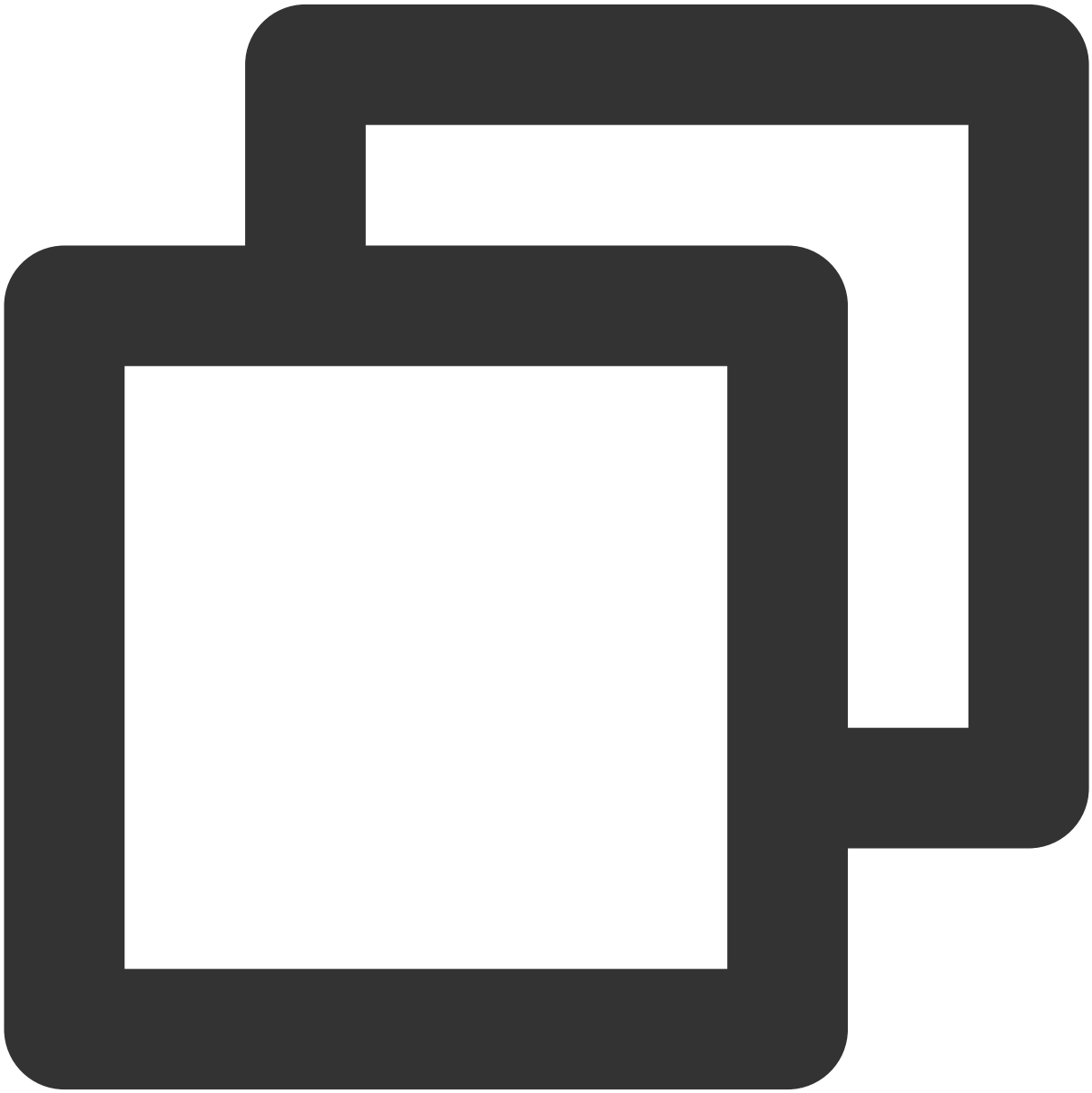

```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterOfficialAccountDestroyed", //
    "Official_Account" : "@TOA#_test_OA_for_penn",
    "Owner_Account": "107867", // Owner of the official account
    "Name": "TestOfficialAccount", // Group name
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

Request fields

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Object	Features	Feature
CallbackCommand	String	Webhook command.
Official_Account	String	ID of the destroyed official account.
Owner_Account	String	The creator of the official account, who is also the owner of the official account.
Name	String	Name of the official account.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Following data synchronization, the app backend dispatches a webhook response packet.

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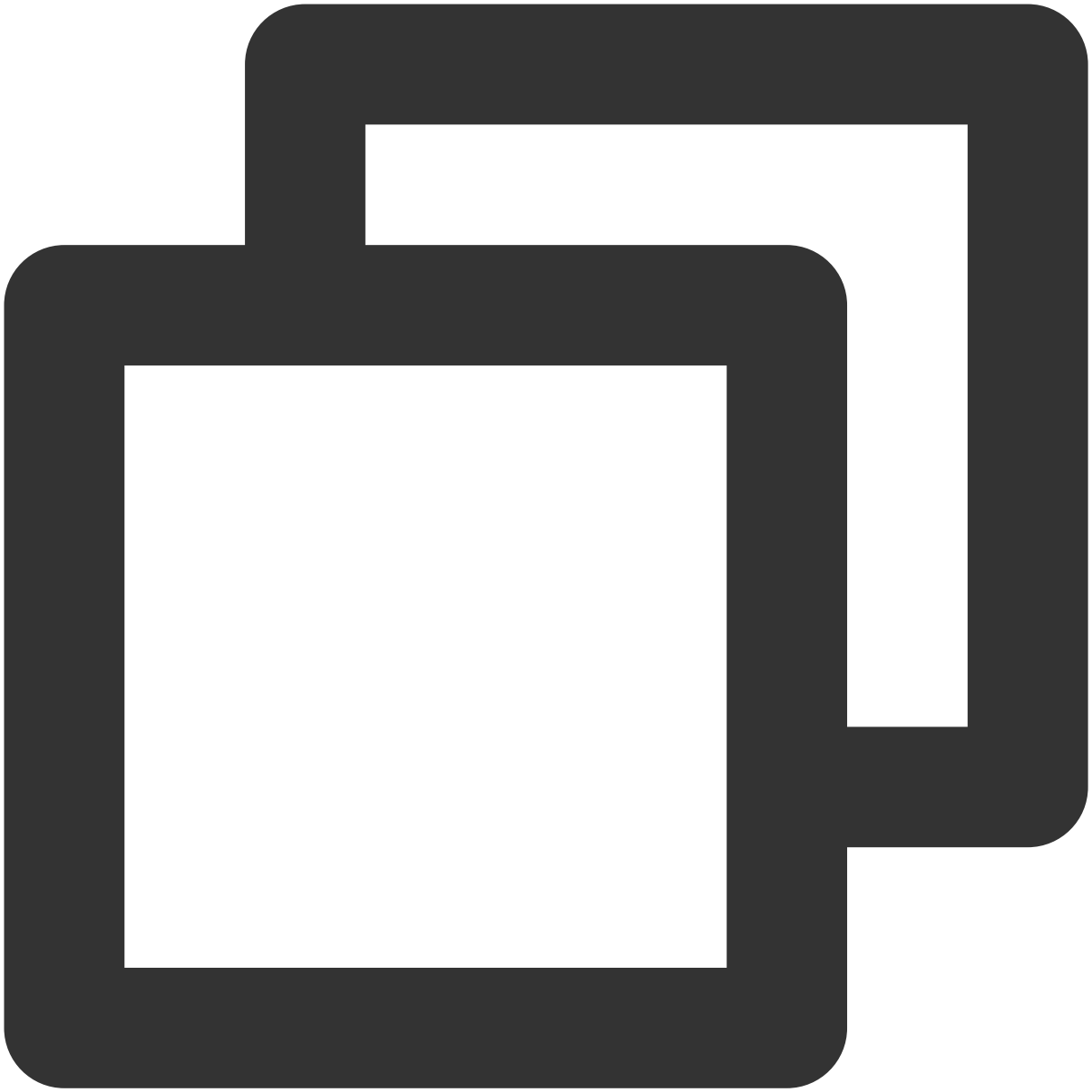

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, a 0 here means to ignore the response.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API:Destroy official account

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Before Official Account Is Subscribed

Last updated：2024-06-18 16:10:29

Feature Overview

This webhook event allows the app backend to check user subscription requests to the Official Account in real time, including the capability for the backend to intercept such requests.

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

App users subscribe to the Official Account through the client.
The app admin adds subscribers via the REST API.

Webhook Triggering Timing

Before a user subscribes to the Official Account.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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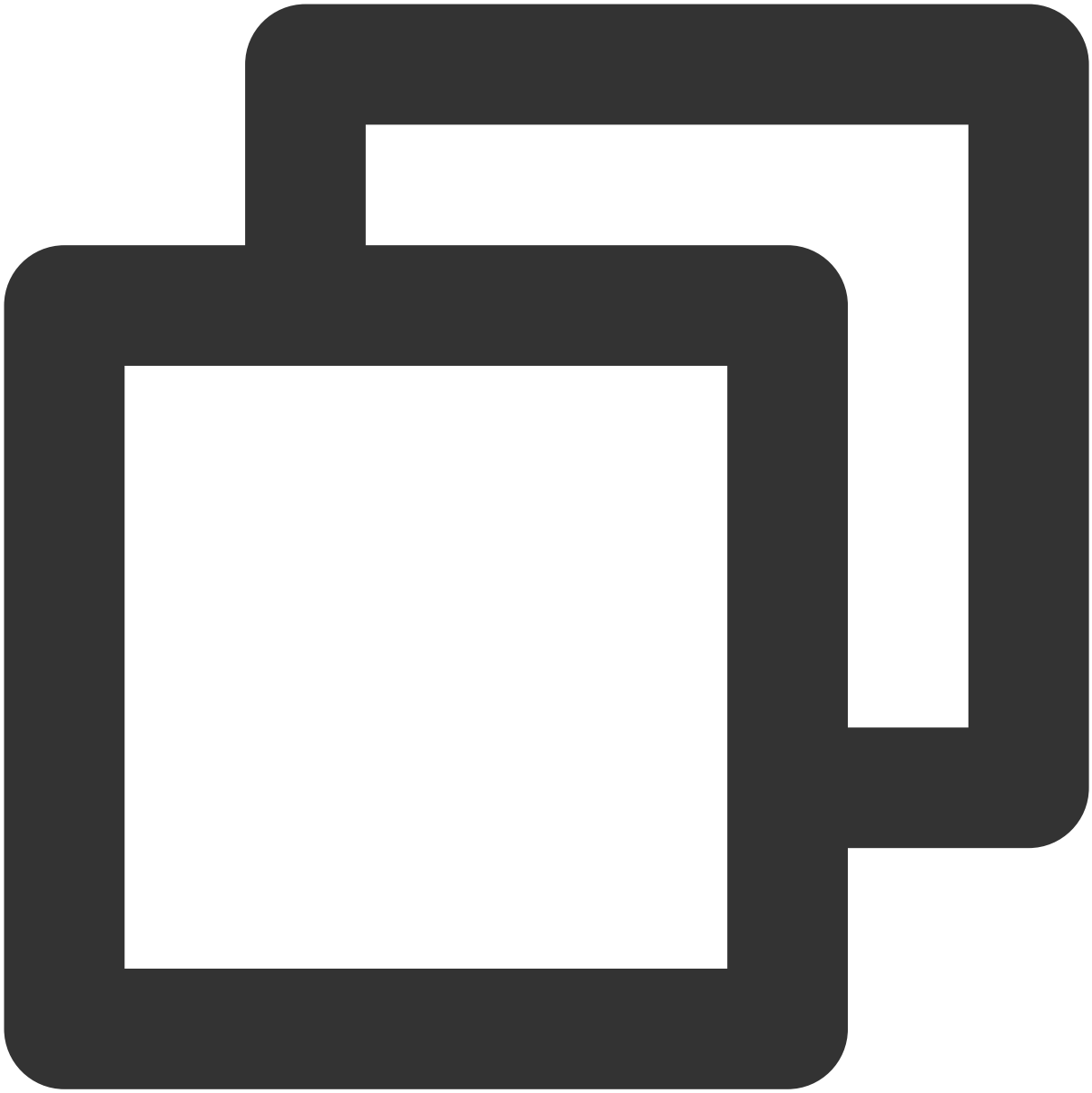

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed to: OfficialAccount.CallbackBeforeAddSubscriber.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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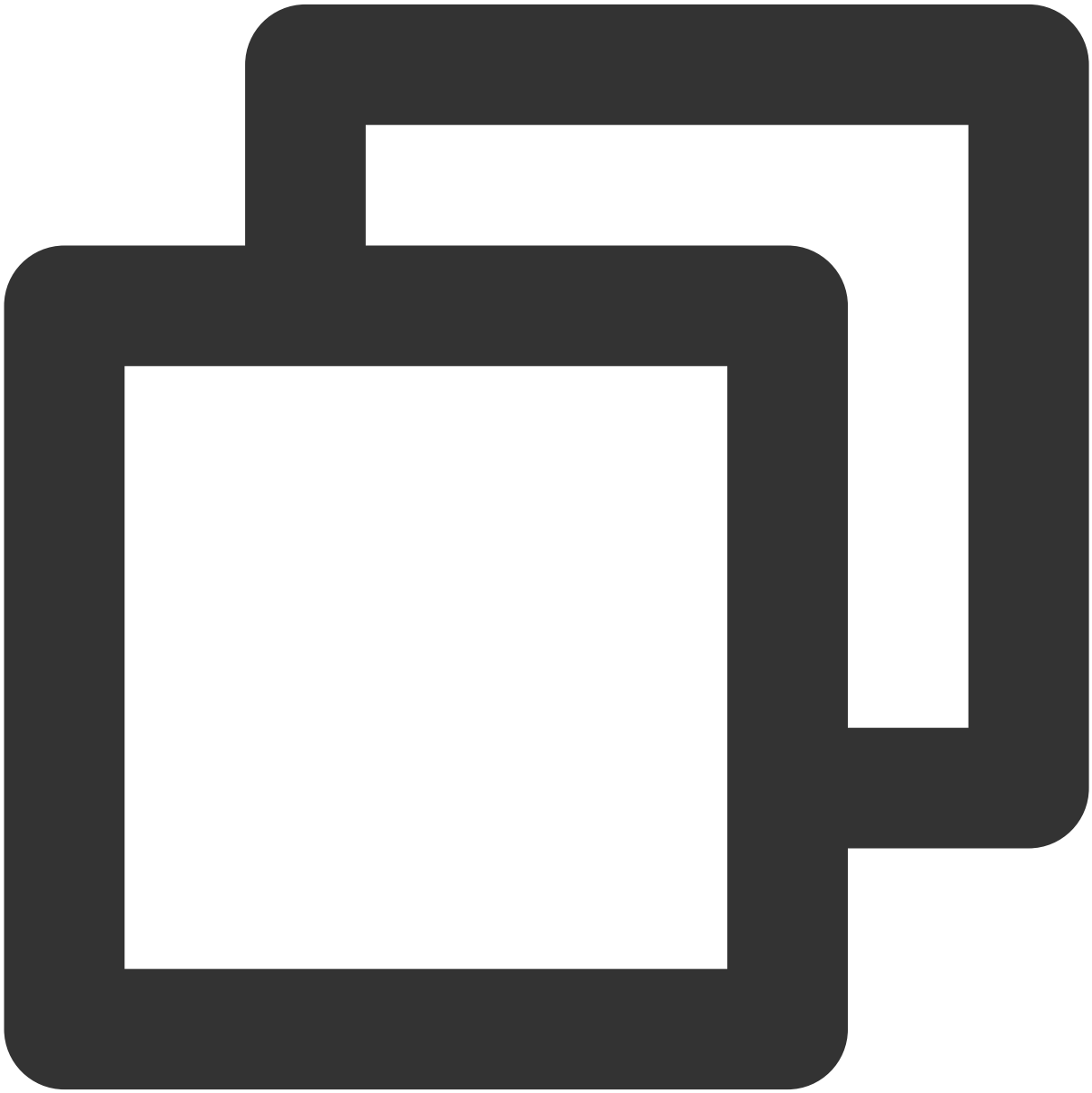

```
{
    "CallbackCommand": "OfficialAccount.CallbackBeforeAddSubscriber",
    "Official_Account": "@TOA#_test_for_penn",
    "Operator_Account": "107867",
    "SubscribeAccountList": [
        {
            "Subscriber_Account": "jared"
        },
        {
            "Subscriber_Account": "leckie"
        }
```

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```
    ],
    "EventTime": 1670574414123// Millisecond level, event trigger timestamp
}
```

Request fields

Object	Features	Feature
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account user ID of the subscription.
Operator_Account	String	Operator UserID who initiated the request.
SubscribeAccountList	Array	List of subscribers added.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Allow all users to follow the Official Account

The App backend agrees to let all users in all requests follow the Official Account.

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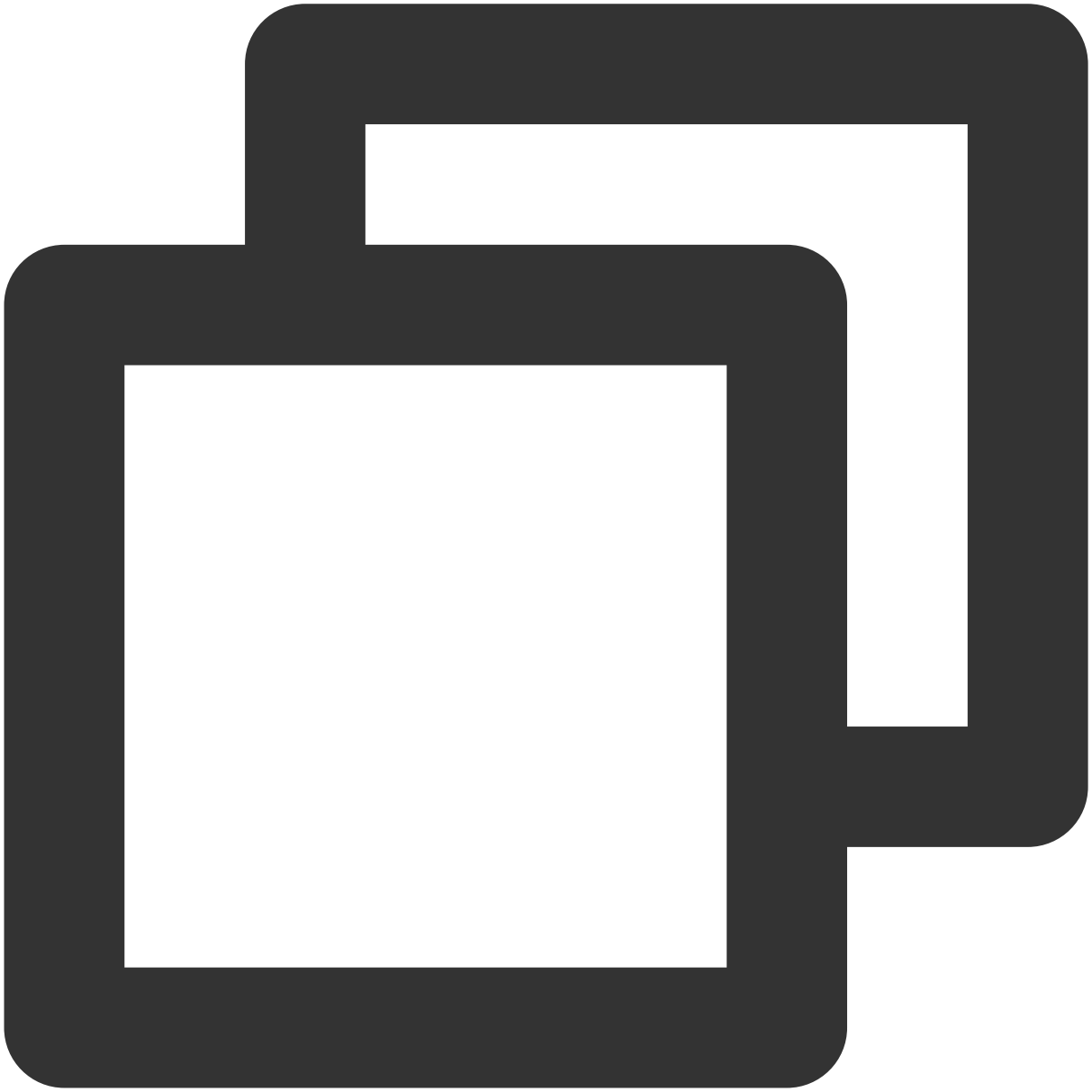

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0
}
```

Block certain users from subscribing to the Official Account

The App backend rejects some users in the request from subscribing to the Official Account and returns these Identifiers in RefusedMembers_Account.

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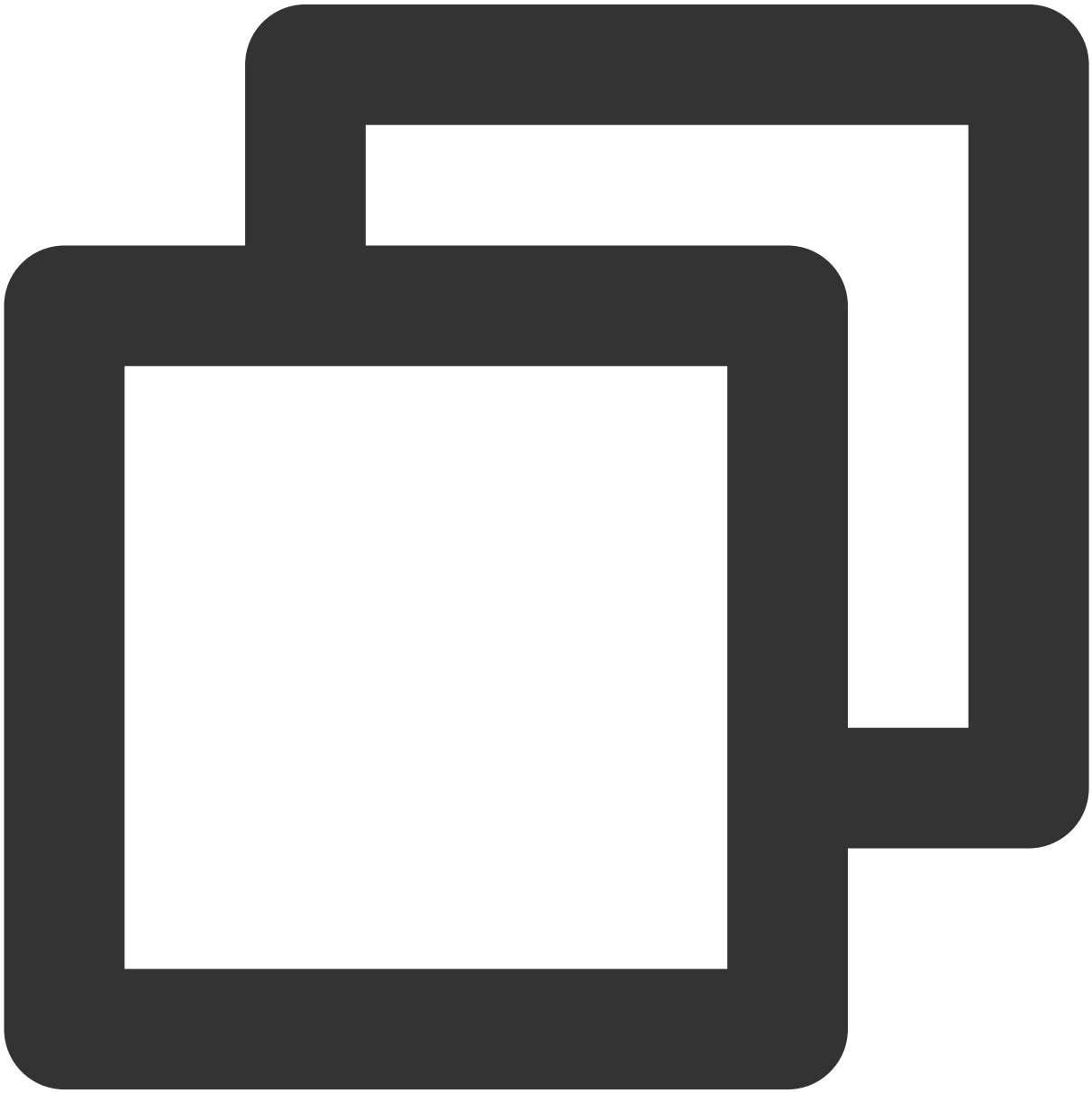

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "RefusedSubscribers_Account": [ // List of users who were denied subscription
        "jared"
    ]
}
```

Response fields

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Field	Type	Attribute	Description
ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, 0 allows continuing to add requests (including allowing some users to be added); 1 rejects the request.
ErrorInfo	String	Mandatory	Error message.
RefusedSubscribers_Account	Array	Optional	Collection of user IDs denied addition.

References

Webhook Overview

REST API:Adding Subscribers

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After Official Account Is Subscribed

Last updated：2024-06-18 16:10:05

Feature Overview

After subscribing to the Official Account, the app backend can use this webhook to view the subscription messages in real-time, including: Notification to the app backend when a member subscribes to the Official Account, allowing the app to perform necessary data synchronization.

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

App users subscribe to the Official Account through the client.
The app admin adds subscribers via the REST API.

Webhook Triggering Timing

After a user successfully subscribes to the Official Account.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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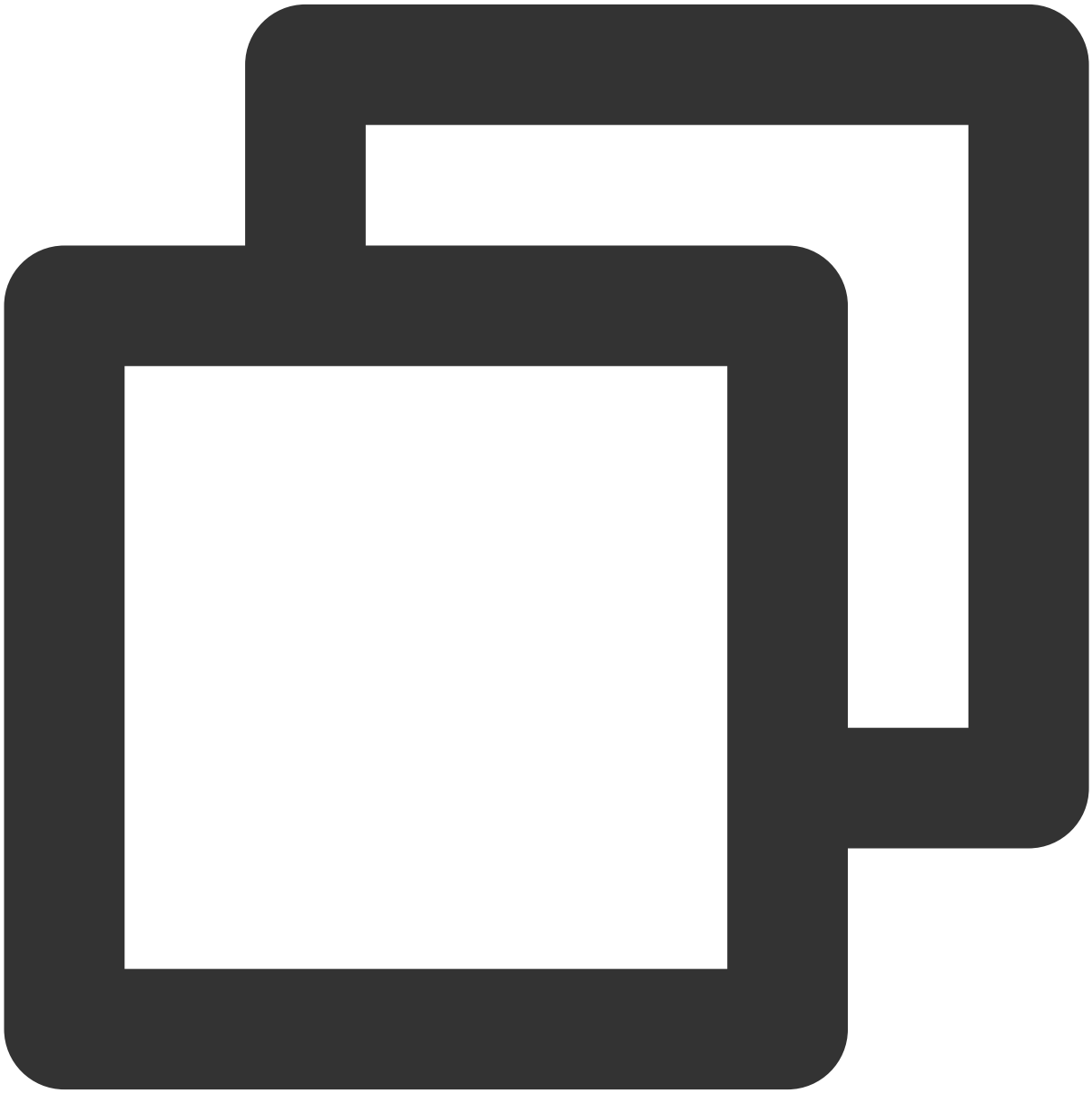

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Set to: OfficialAccount.CallbackAfterAddSubscriber.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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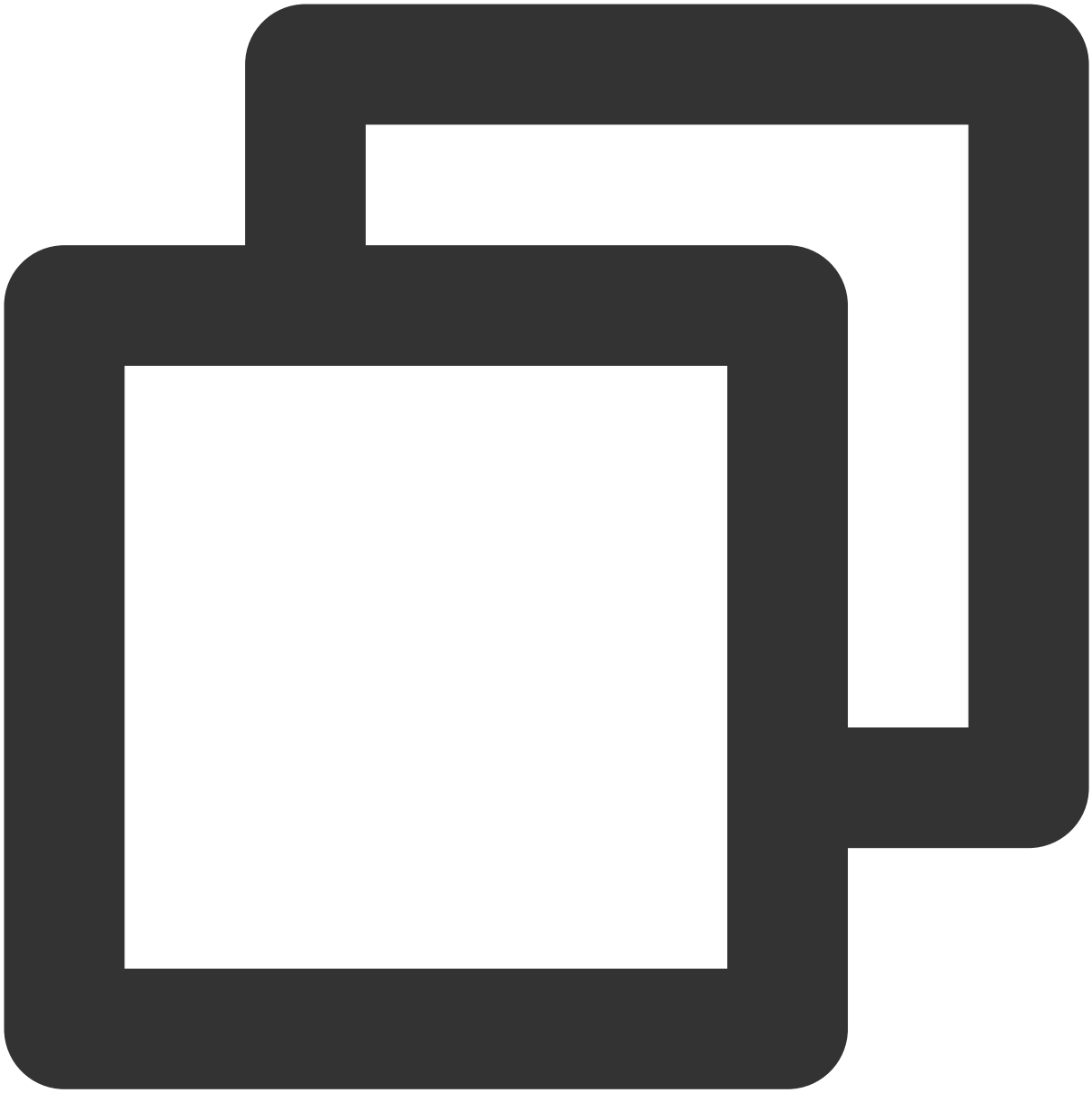

```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterAddSubscriber",
    "Official_Account": "@TOA#_test_for_penn",
    "Operator_Account": "107867",
    "SubscribeAccountList": [
        {
            "Subscriber_Account": "jared"
        },
        {
            "Subscriber_Account": "leckie"
        }
```

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```
    ],
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

Request fields

Object	Features	Feature
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account user ID of the subscription.
Operator_Account	String	Operator UserID who initiated the request.
SubscribeAccountList	Array	List of subscribers added.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Following data synchronization, the app backend dispatches a webhook response packet.

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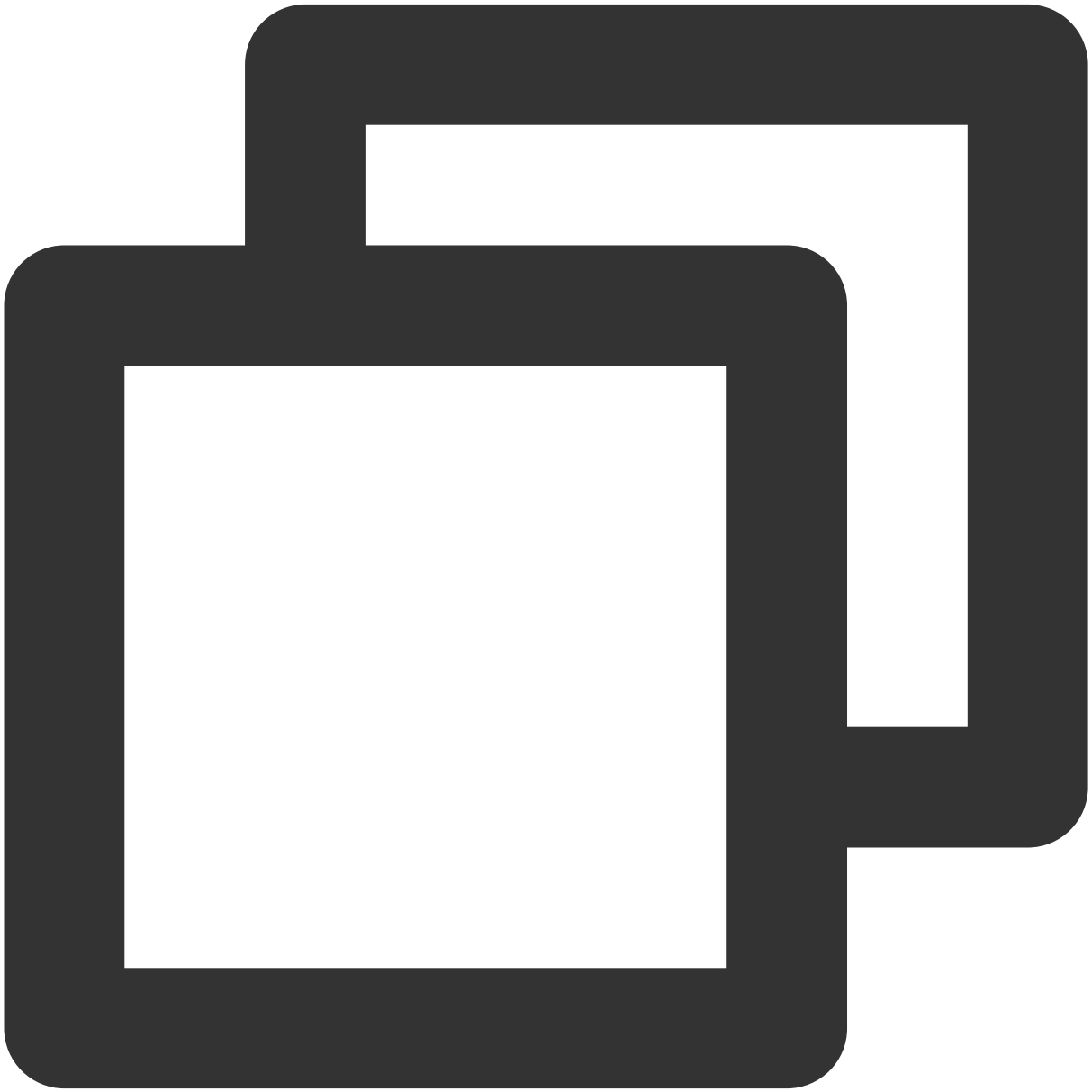

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore response results
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, 0 means response results can be ignored.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API:Adding Subscribers

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After a Official Account Is Full

Last updated：2024-06-18 16:11:26

Feature Overview

This webhook allows the app backend to monitor in real-time if the subscription count for the Official Account has reached its limit, ensuring users can subscribe.

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

App users subscribe to the Official Account through the client.
The app admin adds subscribers via the REST API.

Webhook Triggering Timing

After a user successfully subscribes to the Official Account.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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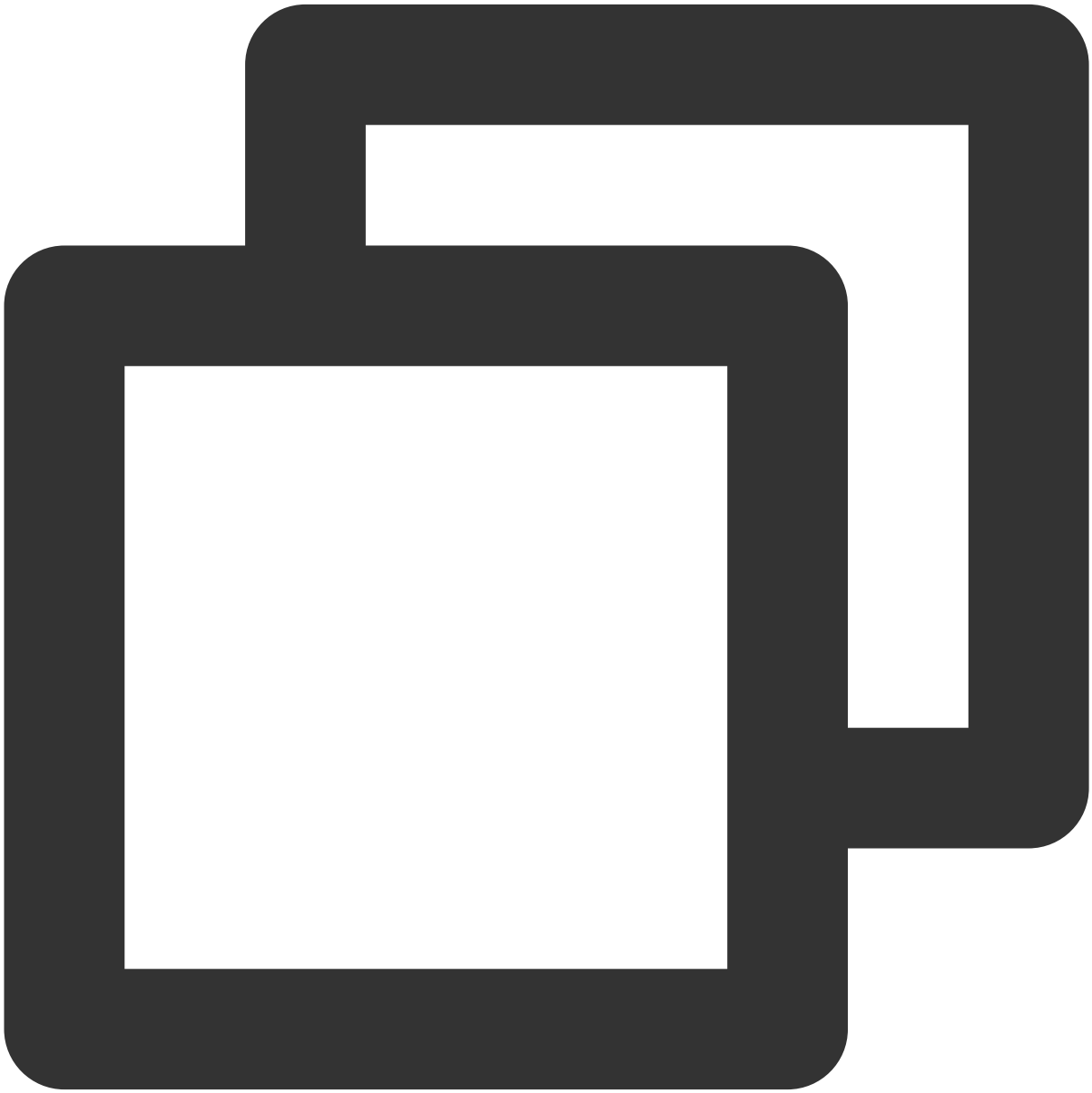

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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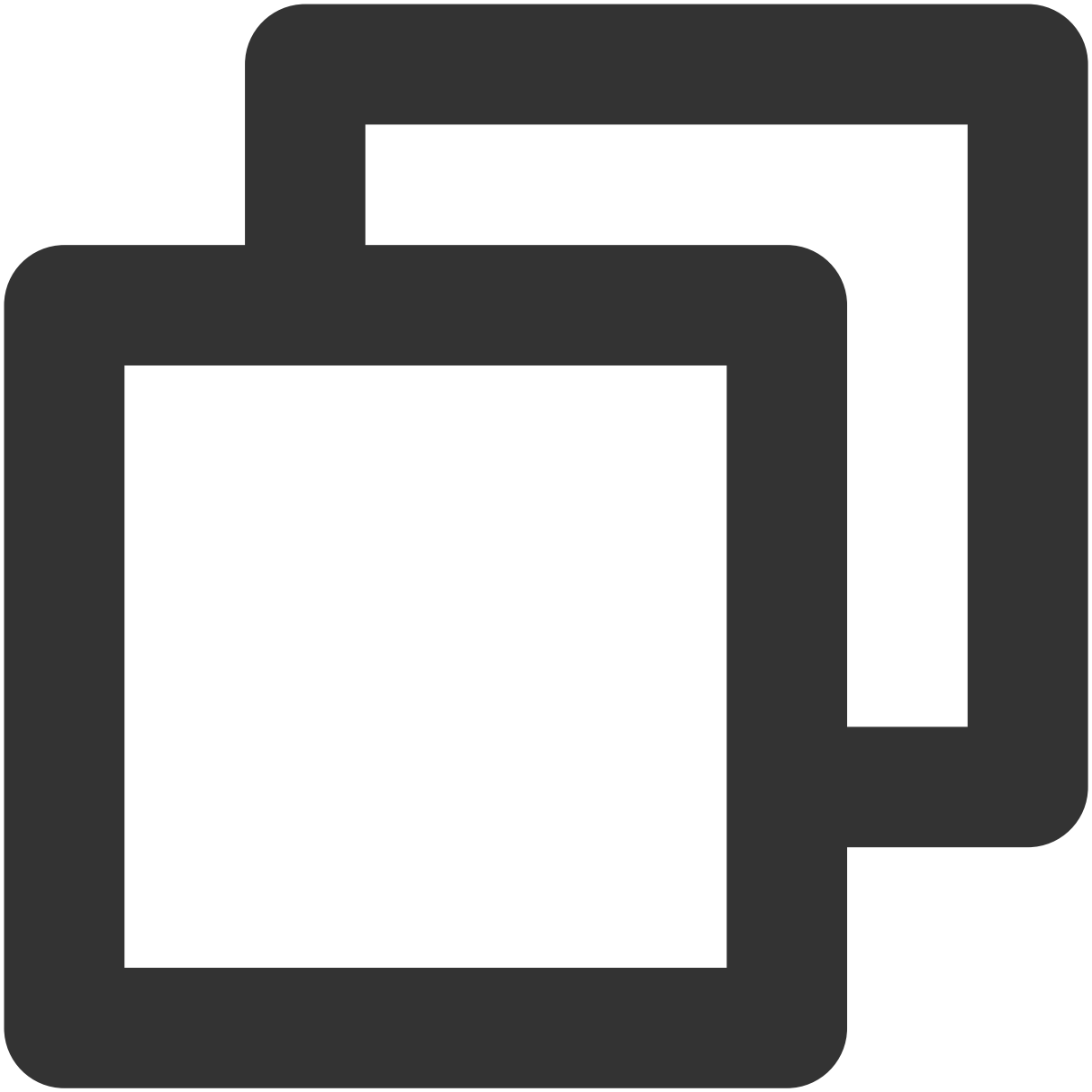
SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed as:OfficialAccount.CallbackAfterOfficialAccountFull.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request



```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterOfficialAccountFull", // Webho
    "Official_Account" : "@TOA#_test_OA_for_penn",
    "EventTime": 1670574414123// Millisecond Level, Event Trigger Timestamp
}
```

Request fields

Object	Features	Feature

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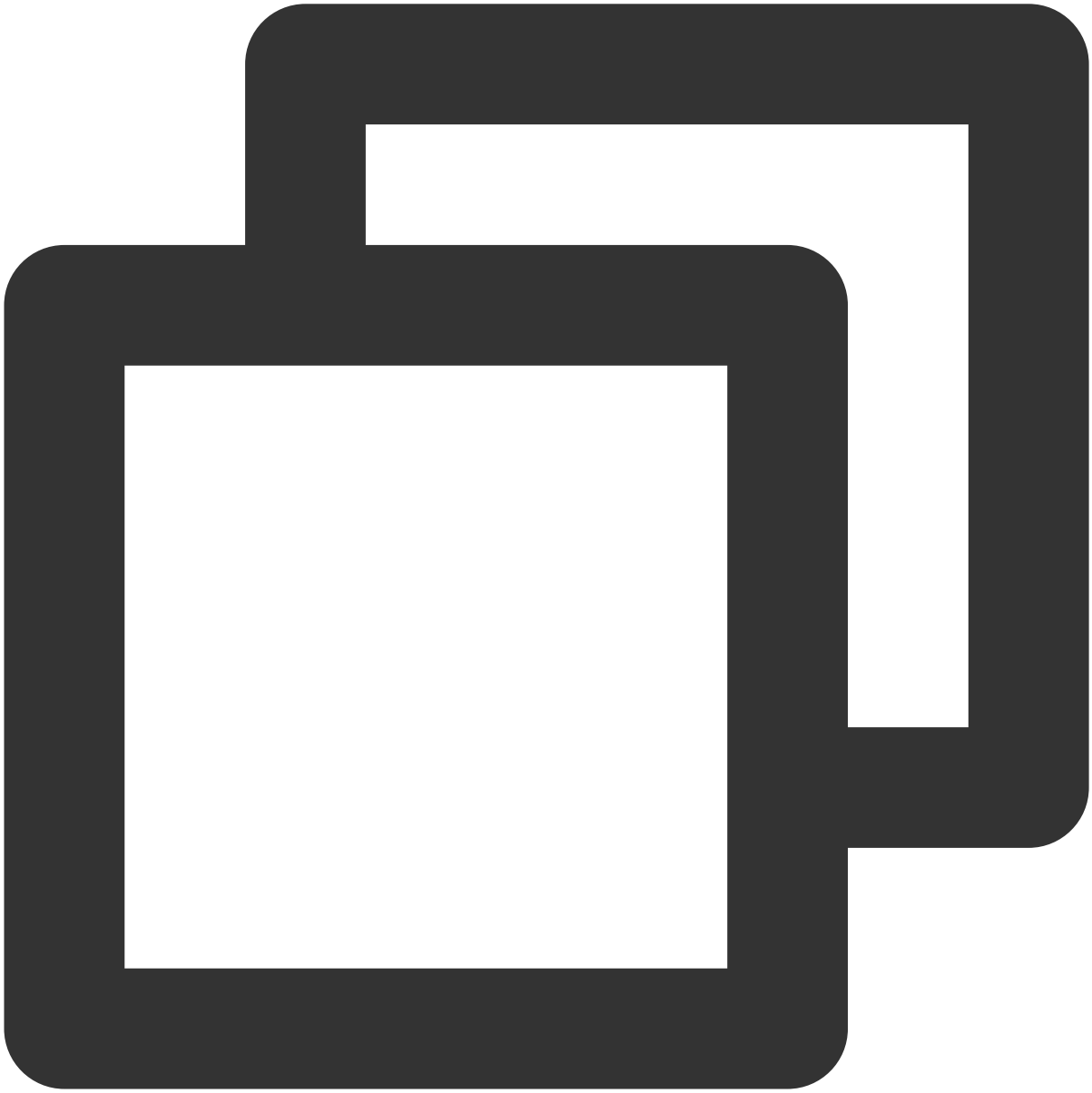
CallbackCommand	String	Webhook command.
Official_Account	String	User ID of the Official Account with the maximum number of subscribers.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

After the app backend records that the supported number of subscribers for the Official Account has reached its limit, it sends the webhook response package.



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```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore response results
}
```

Response fields

Field	Type	Attribute	Description
ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, 0 means response results can be ignored.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API:Adding Subscribers

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After Official Account Is Unsubscribed

Last updated：2024-06-18 16:11:44

Feature Overview

The app backend can use this webhook to view in real time the activity of users unsubscribing from the official account, including: real-time recording of user unsubscriptions (e.g., logging or synchronization with other systems).

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration.
During this webhook, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

App users unsubscribe from the official account through the client.
App administrators delete subscribers through REST API.

Webhook Triggering Timing

After a user successfully unsubscribes from an official account.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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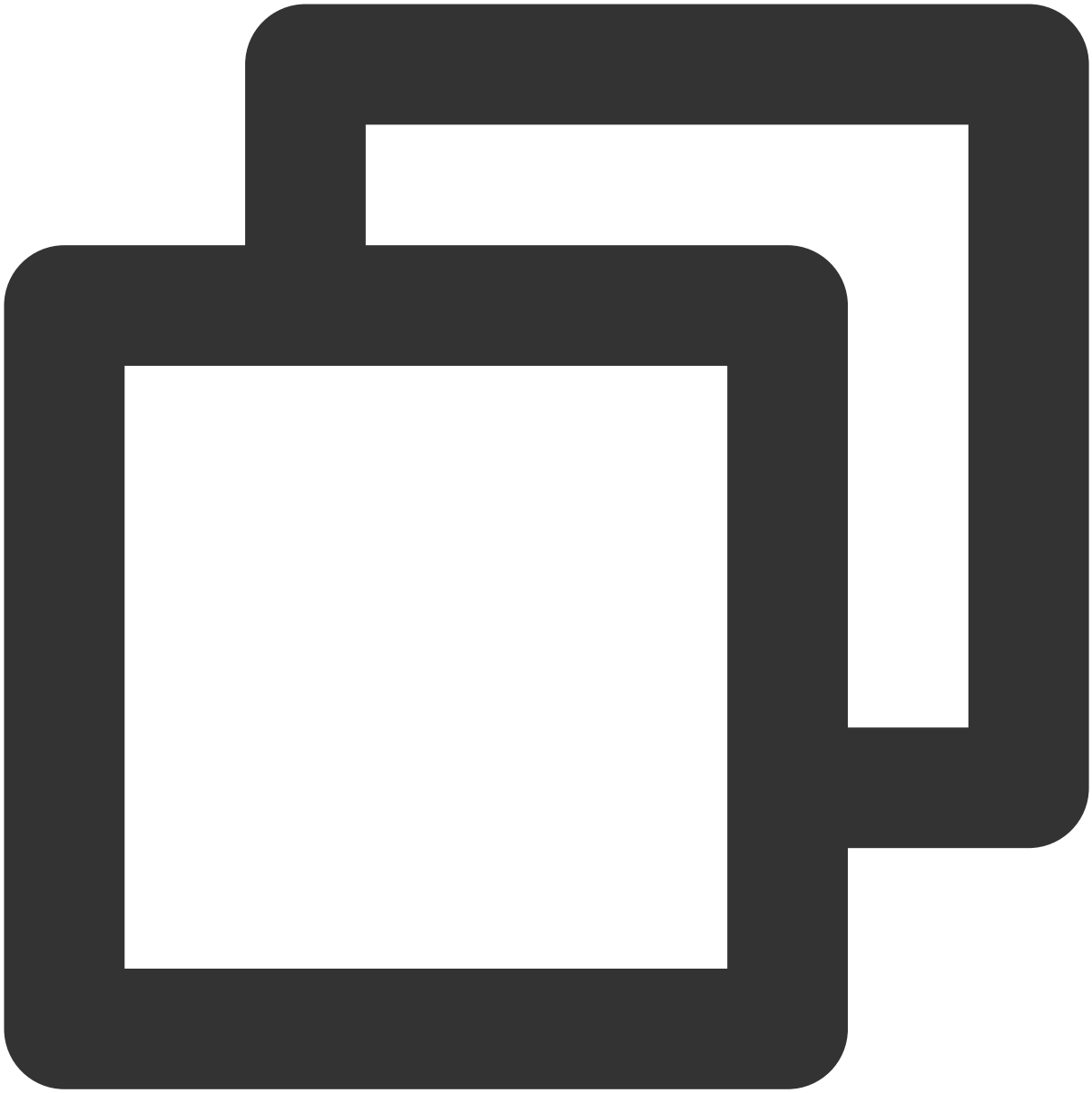

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed as: OfficialAccount.CallbackAfterDeleteSubscriber.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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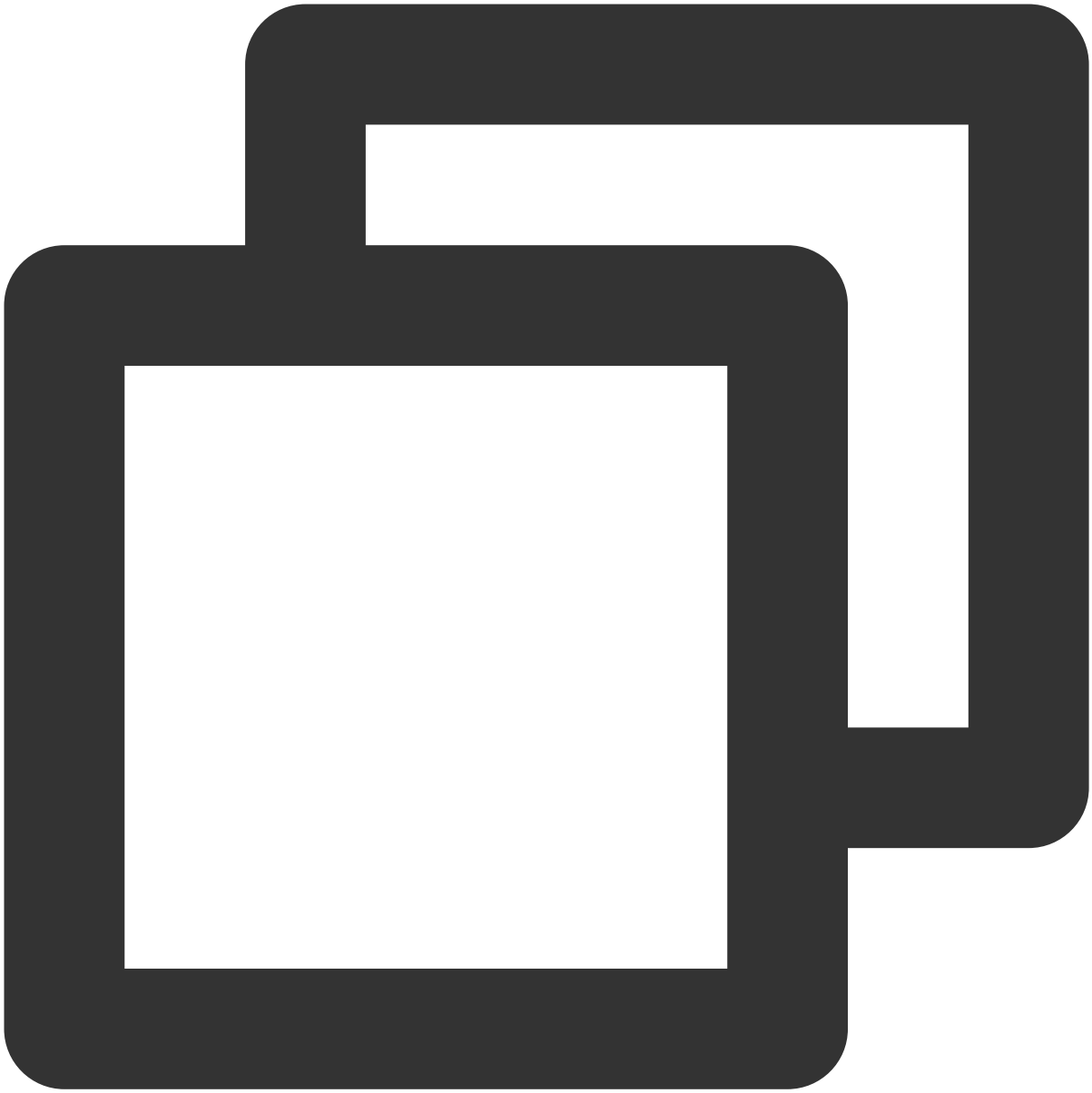

```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterDeleteSubscriber", // Webhook
    "Official_Account" : "@TOA#_test_OA_for_penn",
    "Operator_Account": "leckie", // Operator
    "SubscribeAccountList": [
        {
            "Subscriber_Account": "jared"
        },
        {
            "Subscriber_Account": "leckie"
        }
```

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```
    ],
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

Request fields

Object	Features	Feature
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account User ID who unsubscribed.
Operator_Account	String	Operator UserID who initiated the request.
SubscribeAccountList	Array	List of users who unsubscribed.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

A response is returned after the app backend synchronizes the data.

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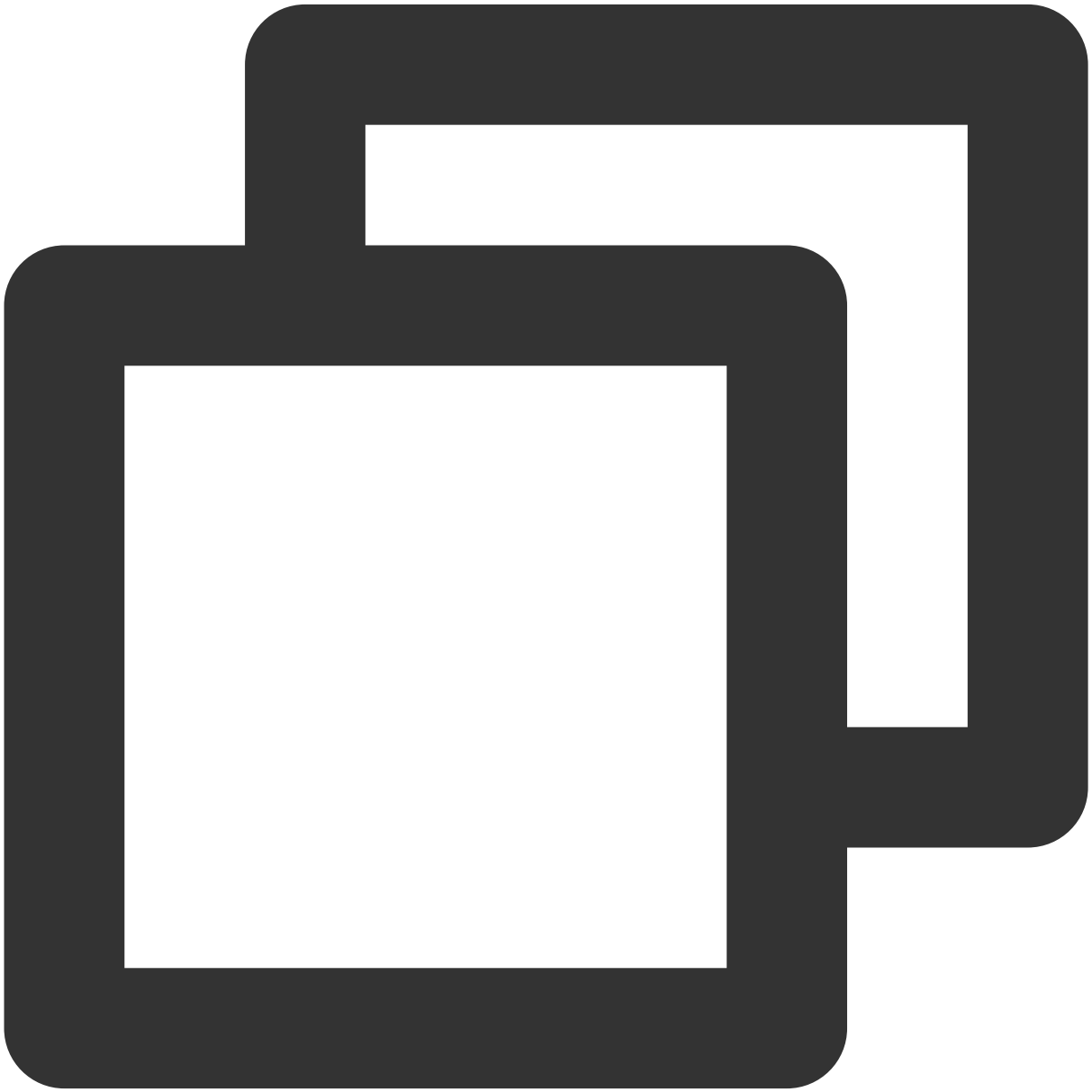

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore response results
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, 0 means response results can be ignored.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

REST API:Delete Subscriber

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Before Official Account Message Is Sent

Last updated：2024-06-18 16:12:01

Feature Overview

This webhook allows the app backend to view the broadcast messages of a official account in real time, including:
Records official account messages in real time, for example, by recording a log or synchronizing the messages to other systems.
Blocks users' requests to send messages on a official account.

Caution

The pre-message webhook defaults to a 2-second timeout and does not support adjustments. Using this for content review will add two instances of public network transmission, thereby at least doubling the overall latency compared to regular scenarios.

Notes

To enable the webhook, you must configure the Webhook URL and activate the switch corresponding to this webhook protocol. For detailed configuration instructions, please refer to the Webhook Configuration document.
During this webhook, the IM backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is consistent with its own SDKAppID.
For additional safety-related concerns, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

An app user sends a Official Account Message via the client.
The app administrator sends a Official Account Message via RESTful APIs.

Webhook Triggering Timing

The webhook is triggered before the Chat backend sends a Official Account Message to subscribers.

API Calling Description

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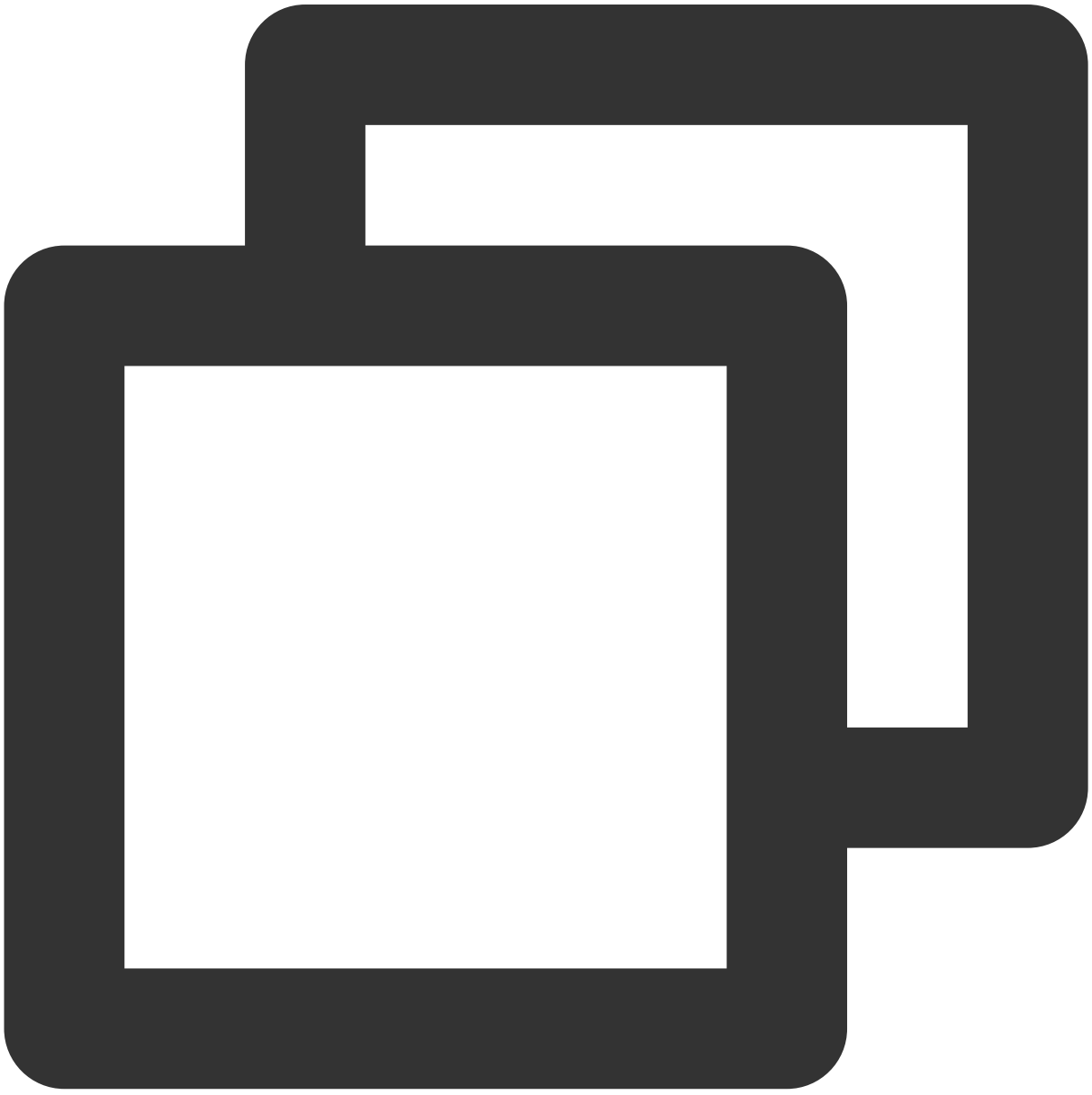
Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description

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https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.
SdkAppid	The SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed as OfficialAccount.CallbackBeforeSendMsg.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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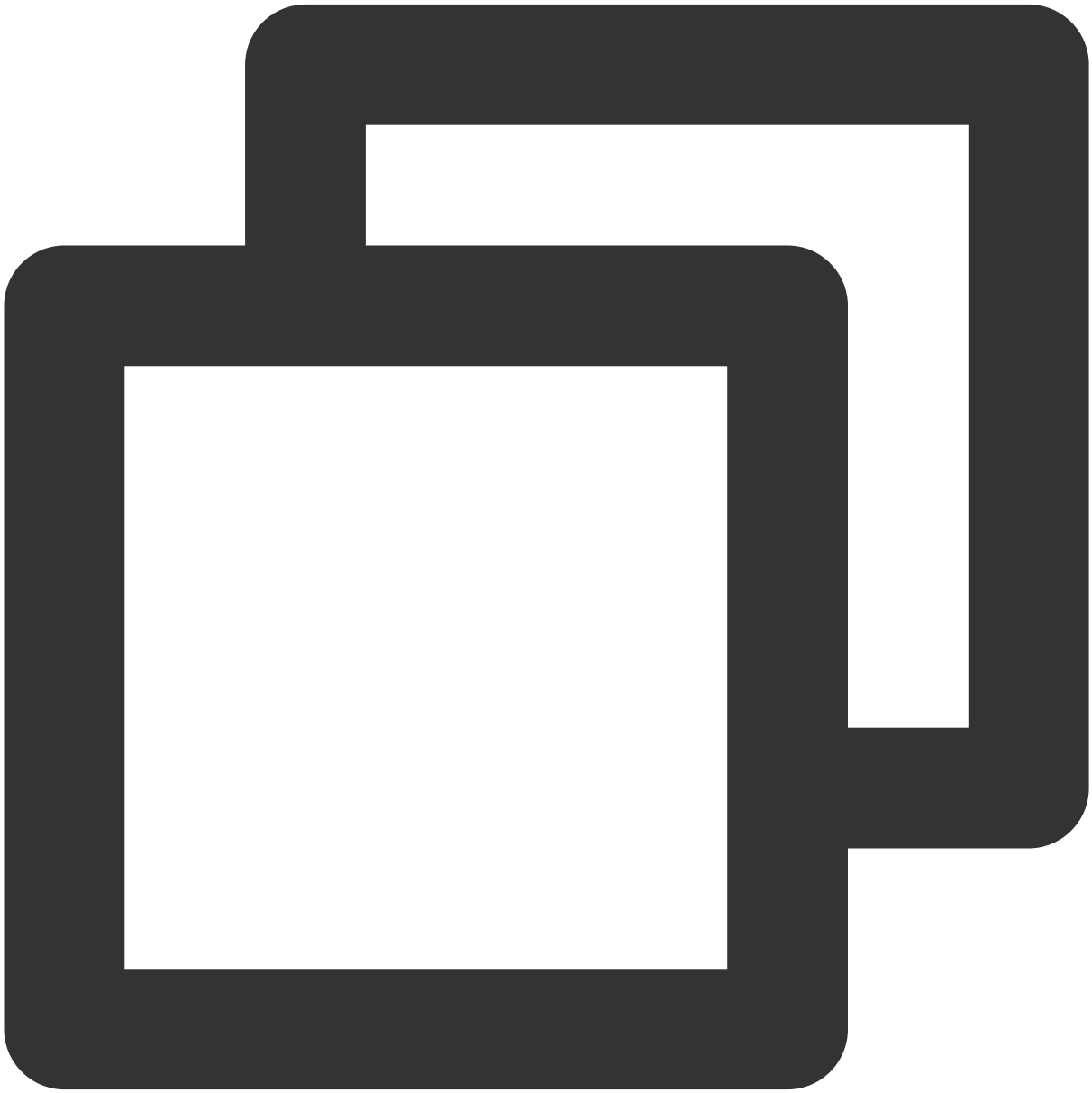

```
{
    "CallbackCommand": "OfficialAccount.CallbackBeforeSendMsg", // Webhook command
    "Official_Account": "@TOA#_2J4SZEAEL", // Official Account User ID
    "OnlineOnlyFlag": 1, // The value is `1` if it is an online message and `0` if
    "MsgBody": [ // Message body, refer to TIMMessage object
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
            }
        }
```

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```
    ],
    "CloudCustomData": "your cloud custom data",
    "EventTime": 1670574414123 // Event trigger timestamp in milliseconds
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account User ID.
OnlineOnlyFlag	Integer	Online message, `1` if true, otherwise `0`.
MsgBody	Array	Message body, please refer to Message Formats.
CloudCustomData	String	Custom message data (stored in the cloud, will be sent to the peer, and can be retrieved even after the app is uninstalled and reinstalled).
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Allow speaking

Allow users to speak, without modifying the content of the message to be sent.

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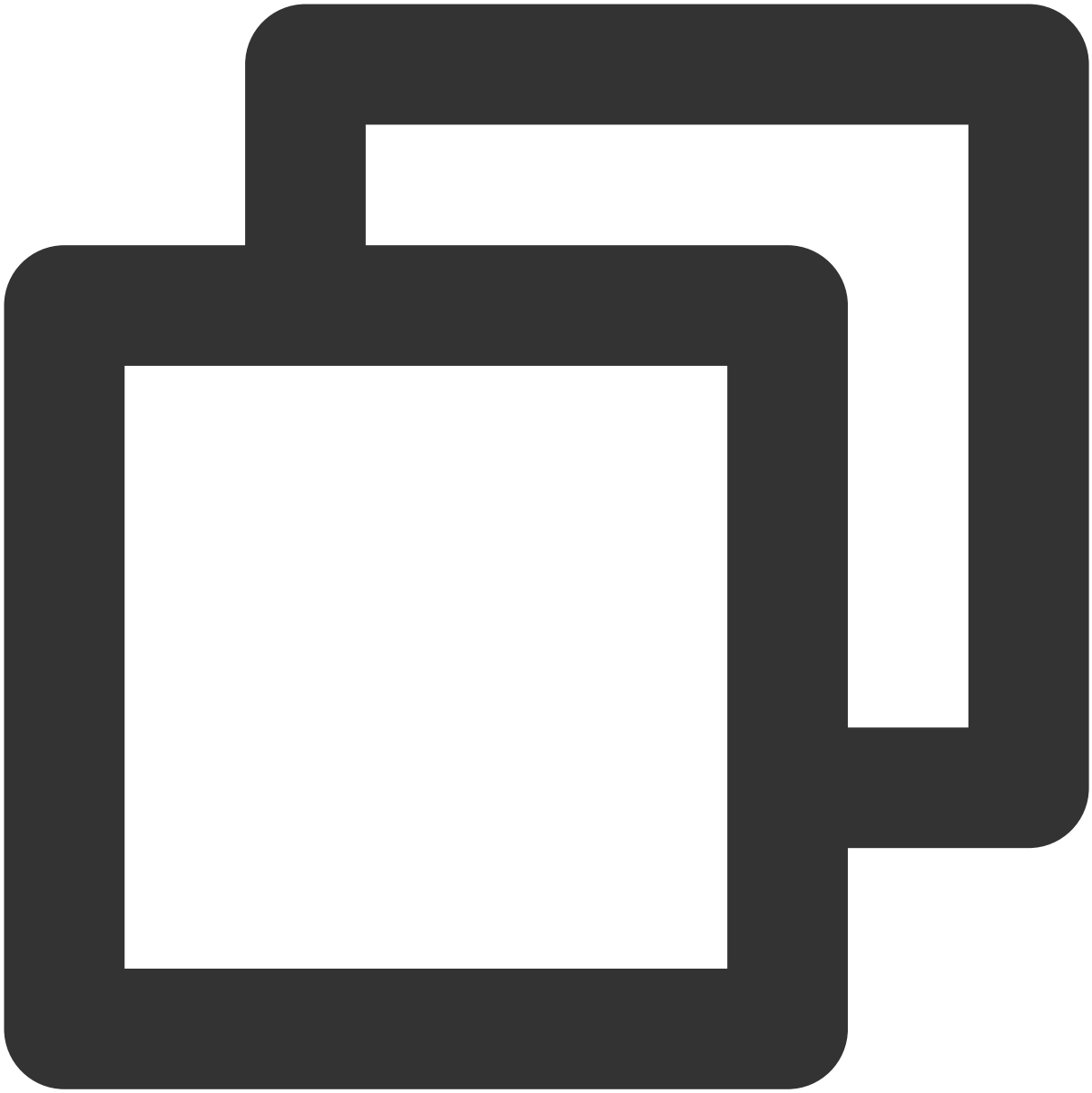

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // 0 means allowed to speak
}
```

Prohibit speaking

The user is not allowed to speak. Consequently, the message will not be sent, and the error code `10016` is returned to the requester.

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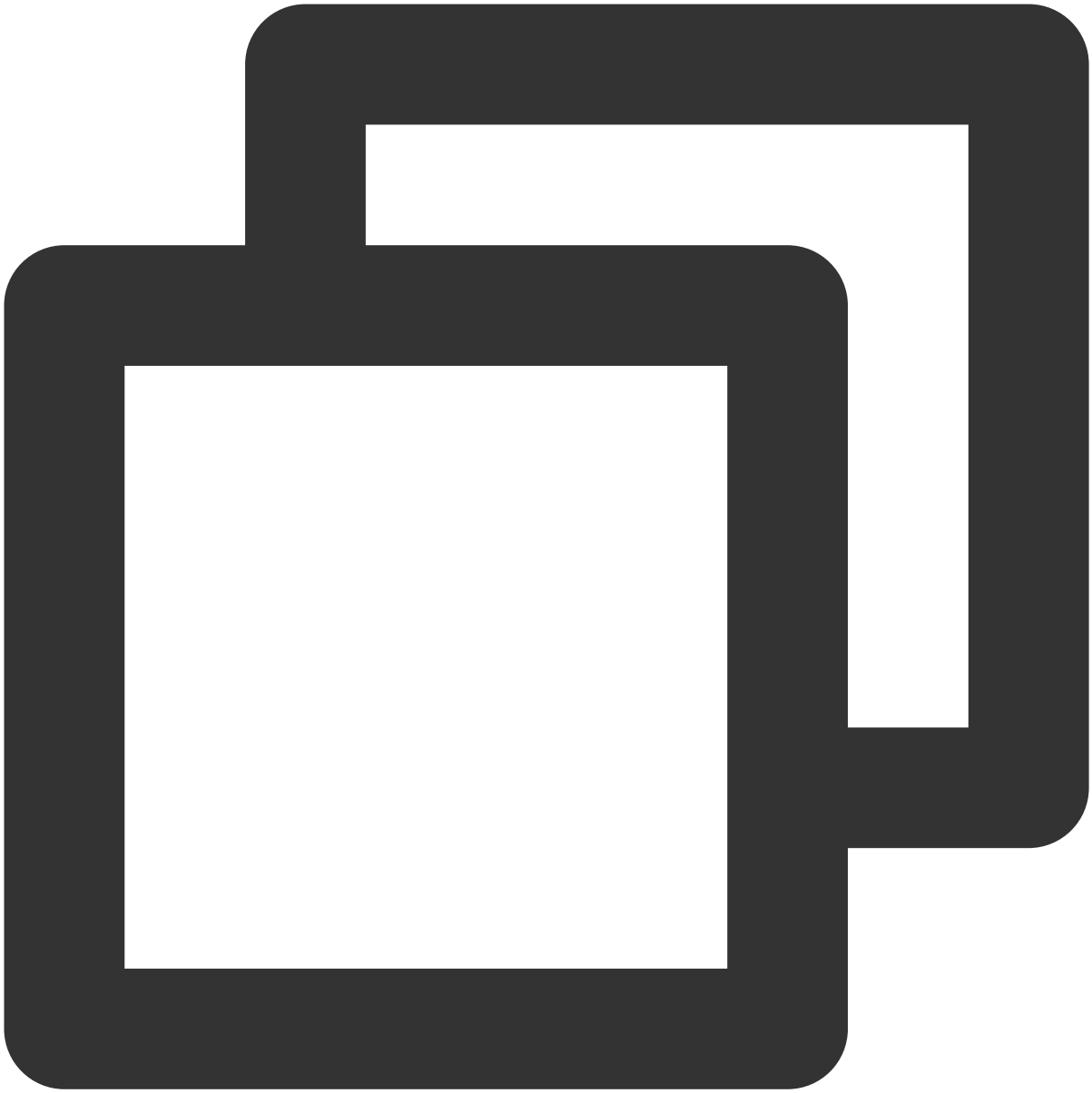

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 1 // 1 means speaking is not allowed
}
```

Silent discard

The user is not allowed to speak. In this case, the message will not be sent, but a success response will be returned to the caller, making them believe that the message has been dispatched.

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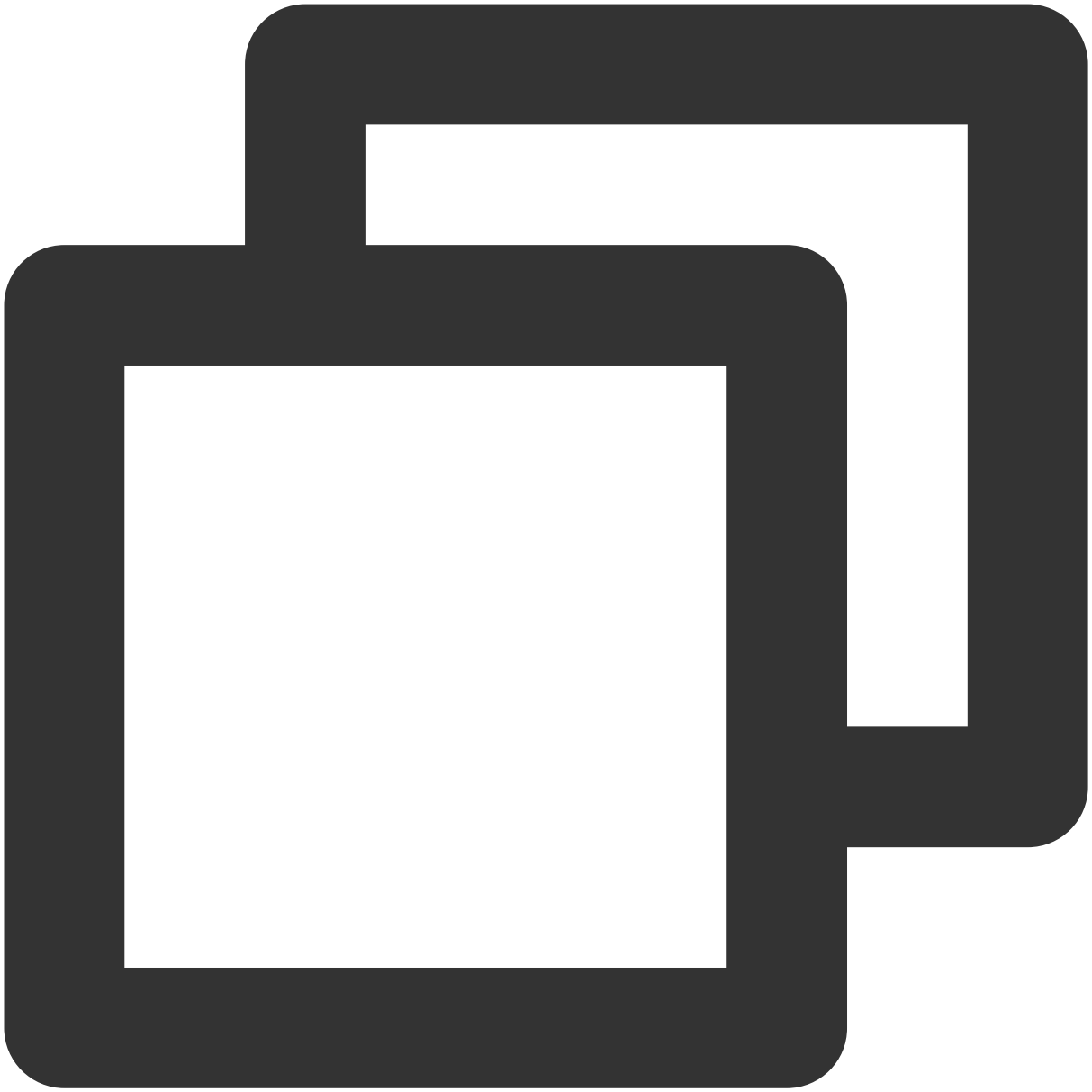

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 2 // 2 means Silent Discard
}
```

Change Message Content

In the following response example: The message sent to the official account is modified (a custom Definition message was added). The Chat backend will send the modified message. Based on this feature, the app backend can add

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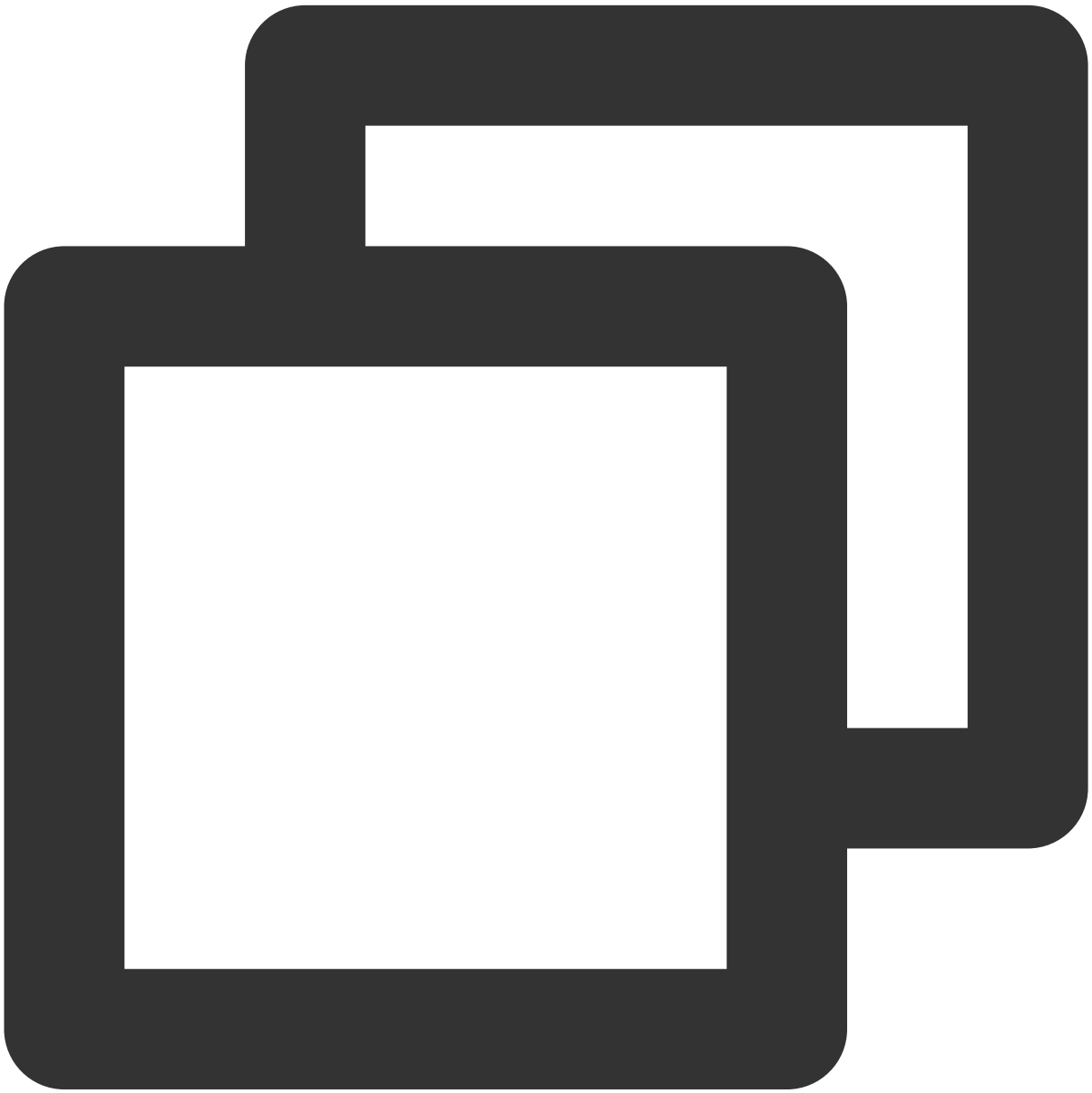
special content, such as user level and title, to the message sent by the user.



```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0, // Must be 0, only then can the modified message be properly di
    "MsgBody": [ // Message after App changes; if absent, the user's sent message i
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
```

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```
            }
        },
        {
            "MsgType": "TIMCustomElem", // Custom message
            "MsgContent": {
                "Desc": "CustomElement.MemberLevel", // Description
                "Data": "LV1" // Data
            }
        }
    ],
    "CloudCustomData": "your cloud custom data"
}
```

Response fields

Field	Type	Attribute	Description
ActionStatus	String	Mandatory	Processed Request Result: OK Signifies Successful Handling FAILURE signifies unsuccessful execution
ErrorCode	Integer	Mandatory	Error Identifier: 0: Allow Speaking 1: Refuse to Speak 2: Silent discard If the service wishes to reject a speech while conveying the error code ErrorCode and ErrorInfo to the client, please set the ErrorCode within the range [120001, 130000].
ErrorInfo	String	Mandatory	Error message.
MsgBody	Array	Optional	After modifications by the app, the modified message body will be sent to Official Account Messages by the cloud communication backend. For the specific format, refer to Message Format Description.
CloudCustomData	String	Optional	Custom message data (stored in the cloud, will be sent to the peer, and can be retrieved even after the app is uninstalled and reinstalled).

References

Webhook Overview

RESTful API: Sending Messages in a Official Account

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Callback After Sending an Official Account Message

Last updated：2024-06-18 16:52:14

Feature Overview

The app backend can use this webhook to check the broadcast messages of the official account in real time, including notifications that the app backend has successfully sent a official account message, allowing the app to perform the necessary data synchronization.

Notes

To enable the webhook, you must configure the Webhook URL and enable the corresponding switch for this webhook. For more information on the configuration method, see Webhook Configuration.
During this webhook event, the Chat backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For more security considerations, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

An app user sends a Official Account Message via the client.
The app administrator sends a Official Account Message via RESTful APIs.

Webhook Triggering Timing

The webhook is triggered after the Chat backend delivers the official account message to subscribers.

API Calling Description

Sample request URL

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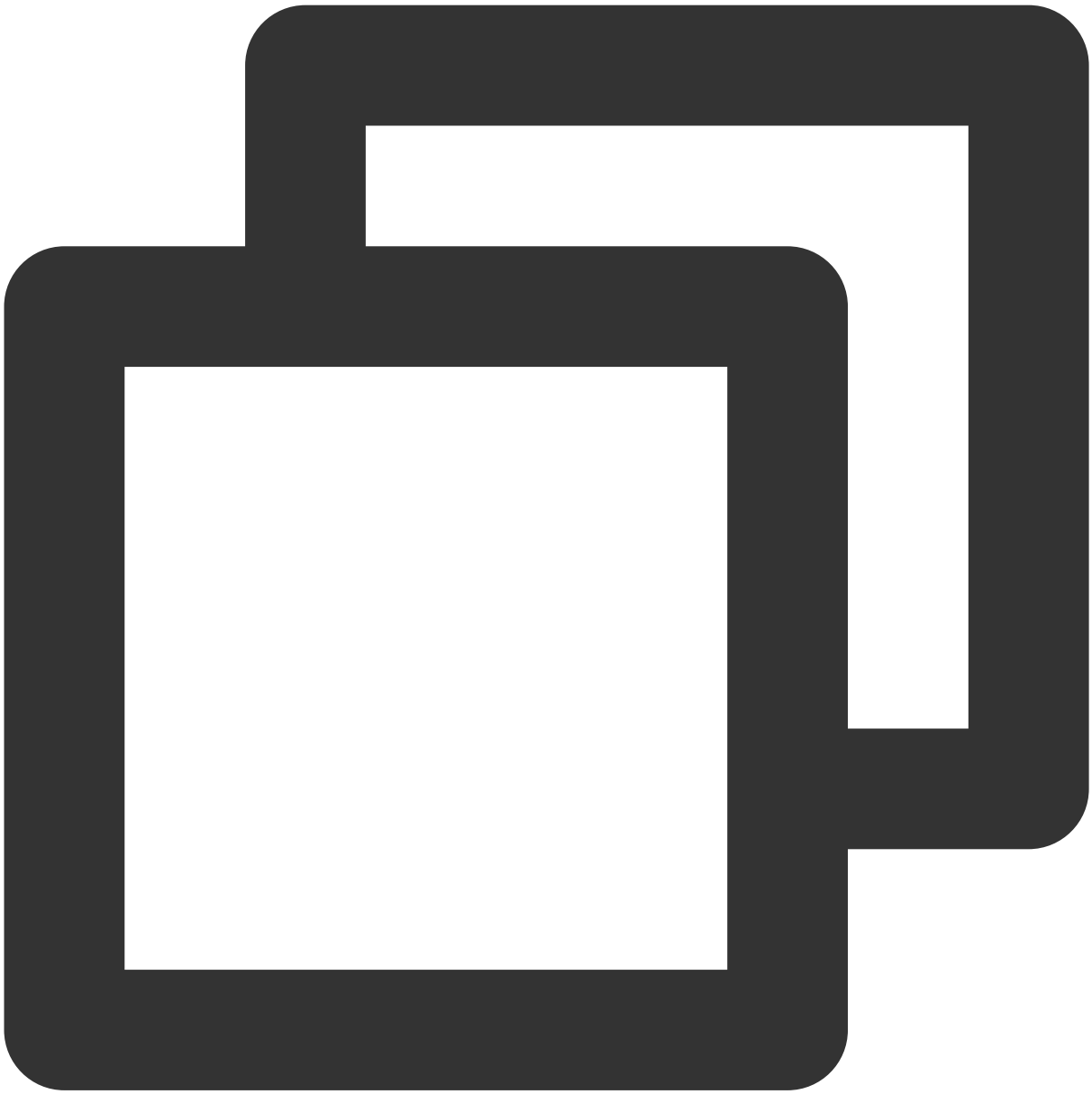
In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.

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www.example.com	Webhook URL.
SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Set to OfficialAccount.CallbackAfterSendMsg.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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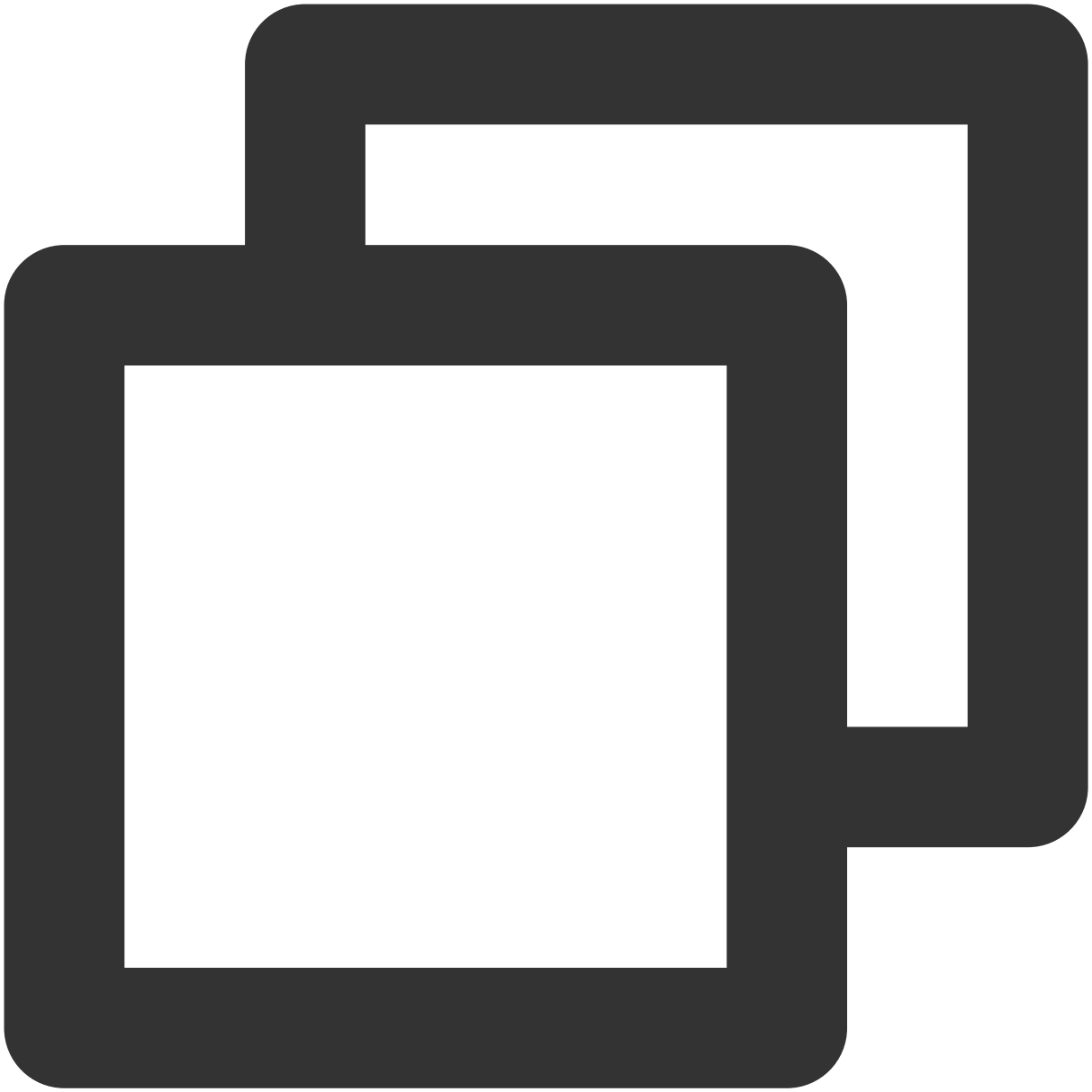

```
{
    "CallbackCommand": "OfficialAccount.CallbackAfterSendMsg", // Webhook command
    "Official_Account": "@TOA#_2J4SZEAEL", // Official account ID
    "MsgKey": "71_1_1698741698", // Unique identifier of the message, can be used t
    "MsgTime": 1490686222, // Time of the message
    "OnlineOnlyFlag": 1, // The value is `1` if it is an online message and `0` if
    "MsgBody": [ // Message body, refer to TIMMessage object
        {
            "MsgType": "TIMTextElem", // Text
            "MsgContent": {
                "Text": "red packet"
```

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```
            }
        }
    ],
    "CloudCustomData": "your cloud custom data",
    "EventTime": 1670574414123 // Millisecond level, event trigger timestamp
}
```

Request fields

Field	Type	Description
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account User ID.
MsgKey	String	The unique identifier of this message, which can be used to revoke Official Account messages.
MsgTime	Integer	Timestamp of the message, corresponding to the server time.
OnlineOnlyFlag	Integer	Online message, `1` if true, otherwise `0`.
MsgBody	Array	Message body, see Message Format Description for details.
CloudCustomData	String	Custom message data (stored in the cloud, will be sent to the peer, and can be retrieved even after the app is uninstalled and reinstalled).
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

Following data synchronization, the app backend dispatches a webhook response packet.

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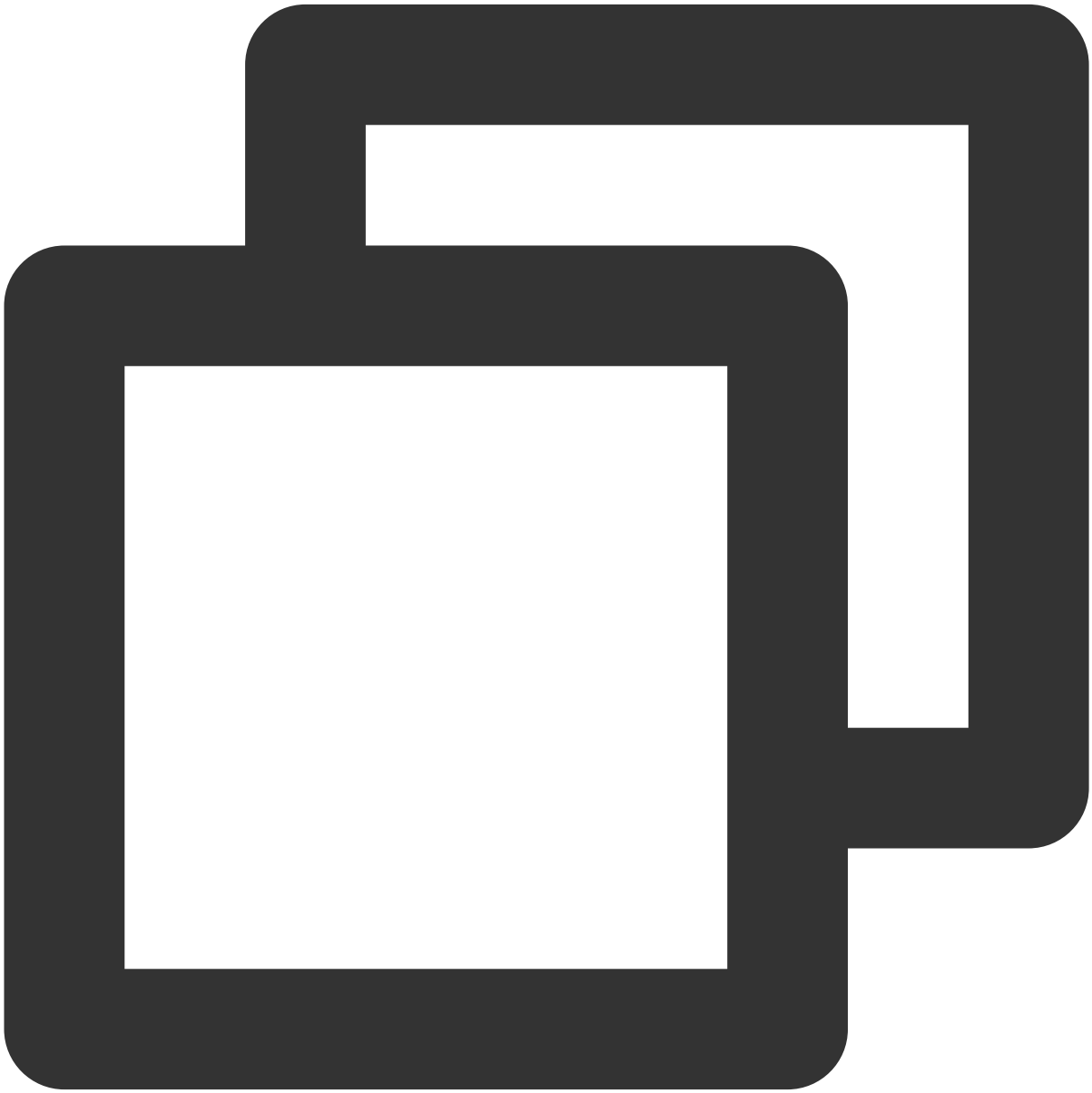

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore the webhook result
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, a 0 here means to ignore the response.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

RESTful API: Sending Messages in a Official Account

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Webhook After Recalling Official Account Messages

Last updated：2024-06-18 16:12:19

Feature Overview

The App backend can view the revocation of Official Account messages in real-time via this webhook.

Notes

To enable the webhook, you must configure the Webhook URL and toggle on the corresponding protocol. For more information on the configuration method, see Webhook Configuration document.
During this webhook, the IM backend initiates an HTTP POST request to the app backend.
After receiving the webhook request, the app backend must check whether the SDKAppID contained in the request URL is the `SDKAppID` of the app.
For more security considerations, please refer to the Webhook Overview: Security Considerations document.

Webhook Triggering Scenarios

App users recall Official Account messages through the client.
An App administrator recalls an Official Account message via the REST API.

Webhook Triggering Timing

After the Official Account message has been successfully recalled.

API Calling Description

Sample request URL

In the subsequent example, the webhook URL configured within the app is `https://www.example.com` .
Example:

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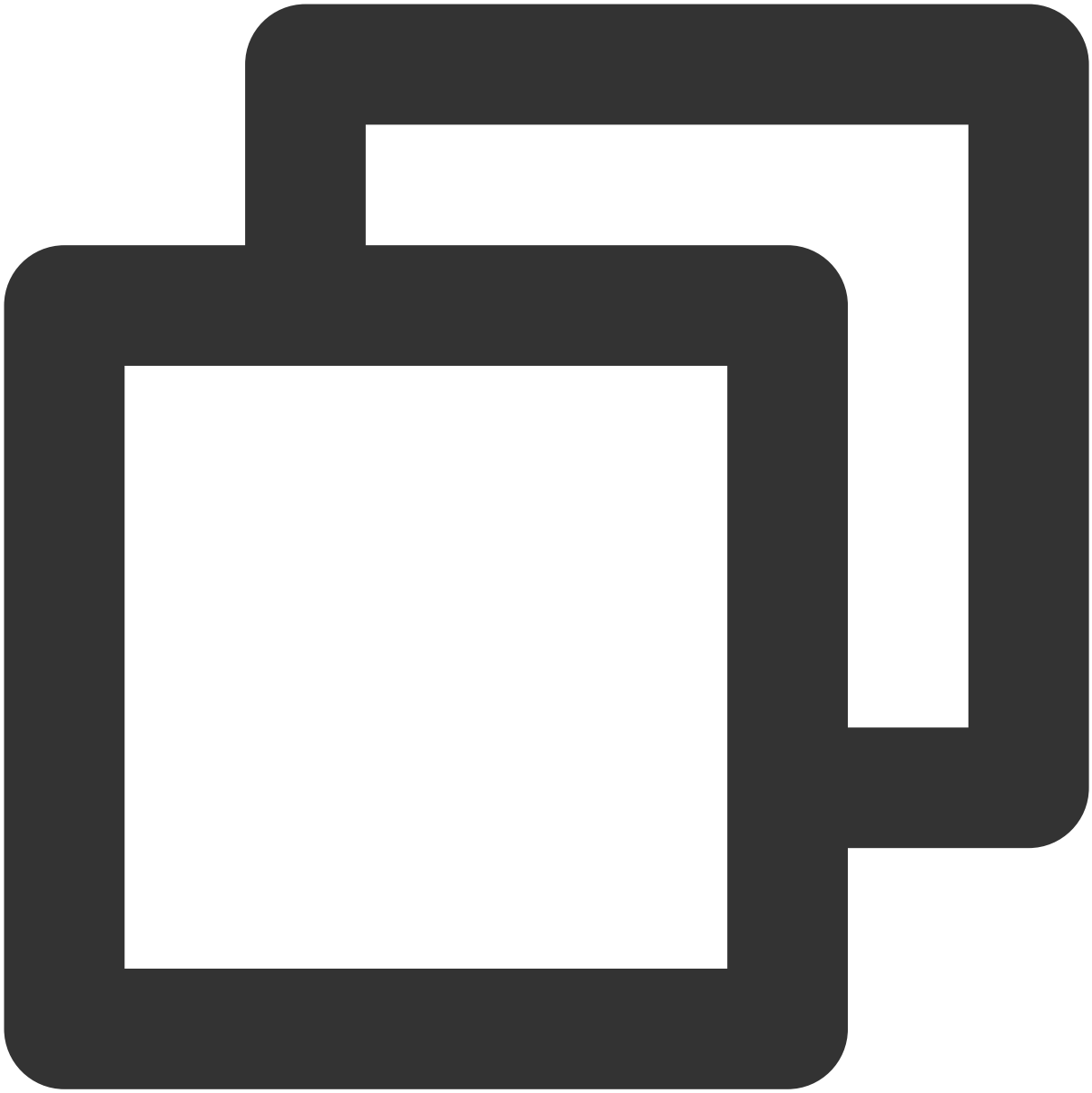

```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST.
www.example.com	Webhook URL.

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SdkAppid	SDKAppID assigned by the Chat console when an app is created.
CallbackCommand	Fixed to: OfficialAccount.CallbackAfterMsgWithDraw.
contenttype	Fixed value: JSON.
ClientIP	Client IP, such as: 127.0.0.1.
OptPlatform	Client Platform, for values please refer to Webhook Overview: Webhook Protocol for the meaning of the OptPlatform parameter.

Sample request

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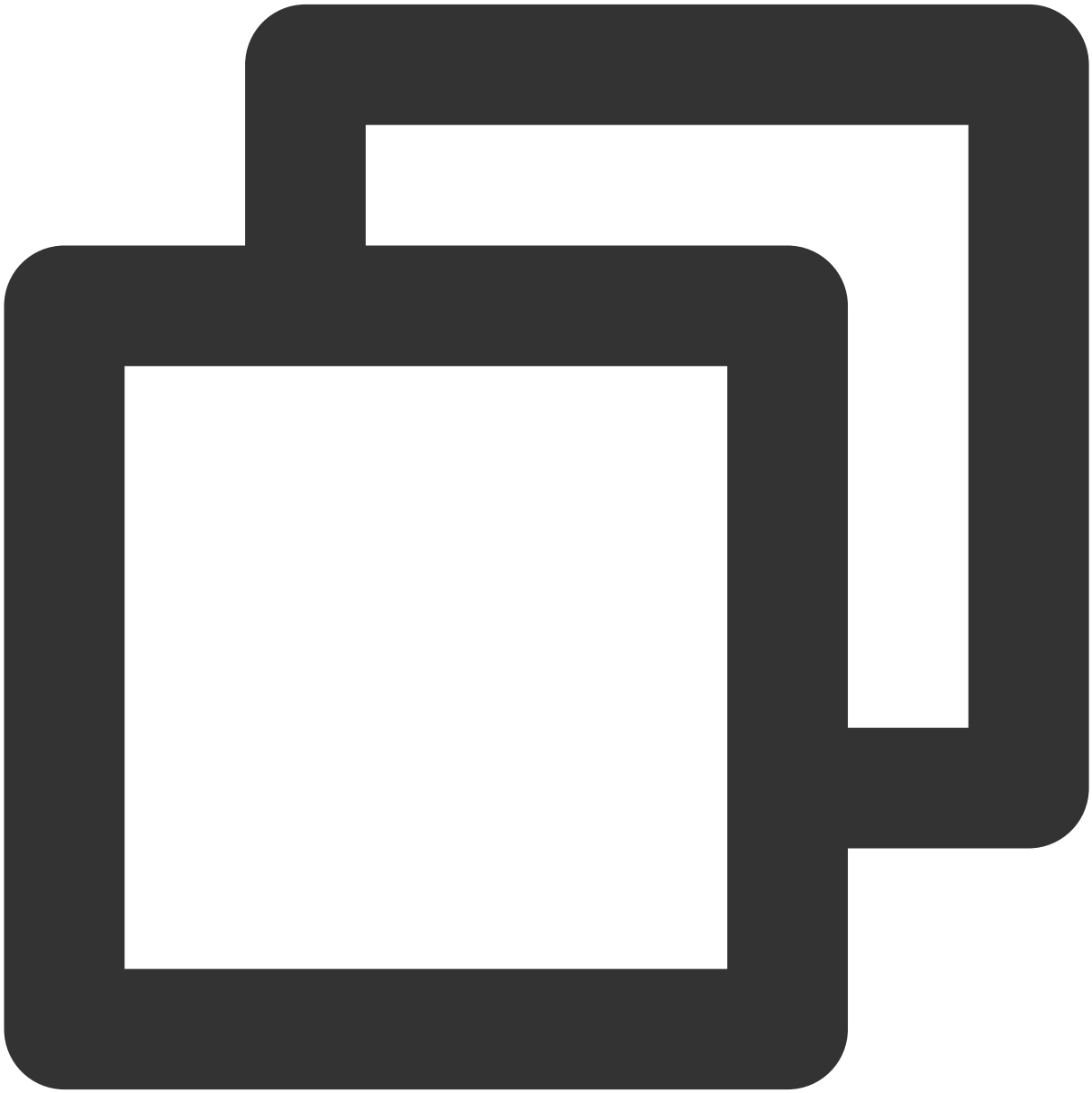

```
{
    "CallbackCommand":"OfficialAccount.CallbackAfterMsgWithDraw", // Webhook comman
    "Official_Account":"#TOA#_123", // Official Account User ID
    "WithdrawMsgList":[ // List of MsgKey for message withdrawal
        {
          "MsgKey":"71_1_1698741698"
        }
    ],
    "EventTime": 1670574414123// Event trigger timestamp in milliseconds
}
```

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Request fields

Object	Features	Feature
CallbackCommand	String	Webhook command.
Official_Account	String	Official Account User ID.
WithdrawMsgList	Array	List of MsgKey for message recall.
EventTime	Integer	Event trigger timestamp in milliseconds.

Sample response

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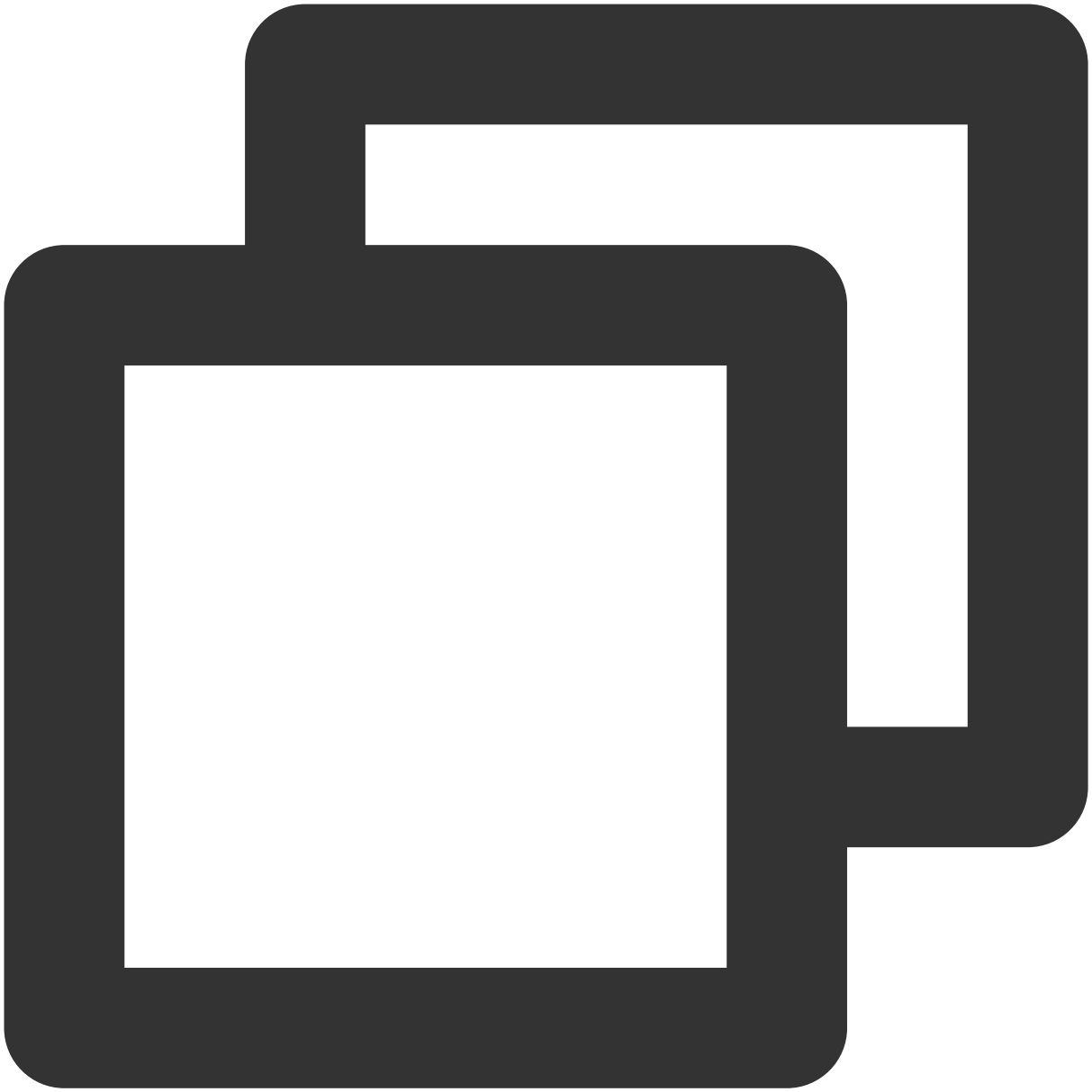

```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0 // Ignore webhook result
}
```

Response fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK: Indicates successful processing FAIL: Indicates failure
ErrorCode	Integer	Mandatory	Error Code, a 0 here means to ignore the response.
ErrorInfo	String	Mandatory	Error message.

References

Webhook Overview

RESTful API: Official account users send broadcast messages

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Webhook Mutual Authentication Configuration Guide

Apache Mutual Authentication Configuration

Last updated：2024-02-07 17:30:51

Configuration Process for Apache HTTPS Mutual Authentication

Caution:

If your domain certificate has expired, follow the instructions below to reconfigure your domain certificate.

This document uses the third-party developer domain name `www.example.com` as an example. The following two cases may arise:

The third-party developer already has a certificate issued by an authoritative third party.

The developer prepares the certificate `www.example.com.crt` issued by and the private key `www.example.com.key` assigned by the authoritative third party for `www.example.com`. Note that the certificate must be issued by an authoritative third party, such as Topway or GlobalSign.

Chat provides the developer backend with a CA certificate TencentQQAuthCA.crt, which is used to verify the certificate of the requesting party (Chat).

Perform configuration by referring to the **Reference for Apache HTTPS Mutual Authentication Configuration** below.

The third-party developer sends an application to Chat, requesting Chat to issue a certificate for its domain name.

The developer configures the webhook URL, such as `www.example.com`, in the console.

Caution:

When you register a domain, follow the rules below:

Use English letters (a-z, case-insensitive), digits (0-9), and hyphen `-` only.

Do not use spaces and special characters such as `!`, `$`, `&`, and `?`.

Hyphen `-` cannot appear consecutively, be registered independently, or be placed at the beginning or end.

The length of the domain cannot exceed 63 characters.

Chat issues the certificate `www.example.com.crt` and assigns the private key `www.example.com.key` to the developer with the domain name `www.example.com`. The developer can download the certificate from the console.

Chat provides the developer backend with a CA certificate TencentQQAuthCA.crt, which is used to verify the certificate of the requesting party (Chat).

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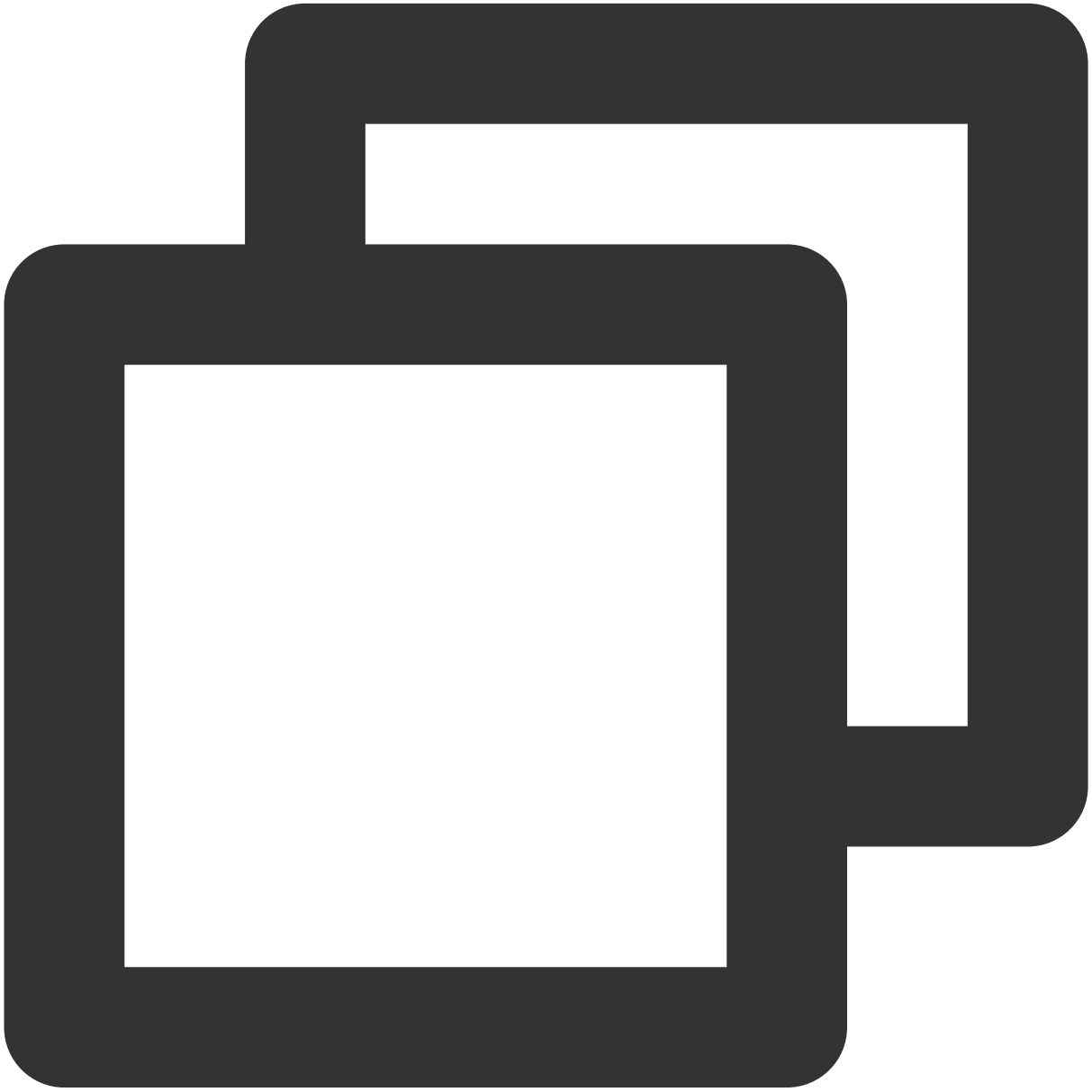
Perform configuration by referring to the **Reference for Apache HTTPS Mutual Authentication Configuration** below.

Reference for Apache HTTPS Mutual Authentication Configuration

1. Copy `www.example.com.crt` , `www.example.com.key` , and `TencentQQAuthCA.crt` to the `conf` folder under the Apache installation directory.
2. Modify the `httpd.conf` file. The reference configuration is as follows:



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```
SSLEngine on # Enables SSL
SSLCertificateFile "/usr/local/apache2/conf/example.com.crt" # Certificate issued
SSLCertificateKeyFile "/usr/local/apache2/conf/example.com.key" # Private key pair
SSLCACertificateFile  "/usr/local/apache2/conf/TencentQQAuthCA.crt" # CA certifica
SSLVerifyClient require # Verify the request source
```

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Nginx Mutual Authentication Configuration

Last updated：2024-02-07 17:30:52

Configuration Process for Nginx HTTPS Mutual Authentication

Caution:

If your domain certificate has expired, follow the following instructions to reconfigure your domain certificate.

This document uses the third-party developer domain name `http://www.example.com` as an example. The following two cases may arise:

The third-party developer already has a certificate issued by an authoritative third party.

The developer prepares the certificate `www.example.com.crt` issued by and the private key `www.example.com.key` assigned by the authoritative third party for `www.example.com`. Note that the certificate must be issued by an authoritative third party, such as Topway or GlobalSign.

Chat provides the developer backend with a CA certificate TencentQQAuthCA.crt, which is used to verify the certificate of the requesting party (Chat).

Configure by referring to the **Reference for Nginx HTTPS Mutual Authentication Configuration** below.

The third-party developer sends an application to Chat, requesting Chat to issue a certificate for its domain name.

The developer configures the webhook URL, such as `www.example.com`, in the console.

Chat issues the certificate `www.example.com.crt` and assigns the private key `www.example.com.key` to the developer with the domain name `www.example.com`. The developer can download the certificate from the console.

Chat provides the developer backend with a CA certificate TencentQQAuthCA.crt, which is used to verify the certificate of the requesting party (Chat).

Configure by referring to the **Reference for Nginx HTTPS Mutual Authentication Configuration** below.

Reference for Nginx HTTPS Mutual Authentication Configuration

1. Copy `www.example.com.crt`, `www.example.com.key`, and `TencentQQAuthCA.crt` to the `conf` folder under the Nginx installation directory.
2. Modify the `nginx.conf` file. The reference configuration is as follows:

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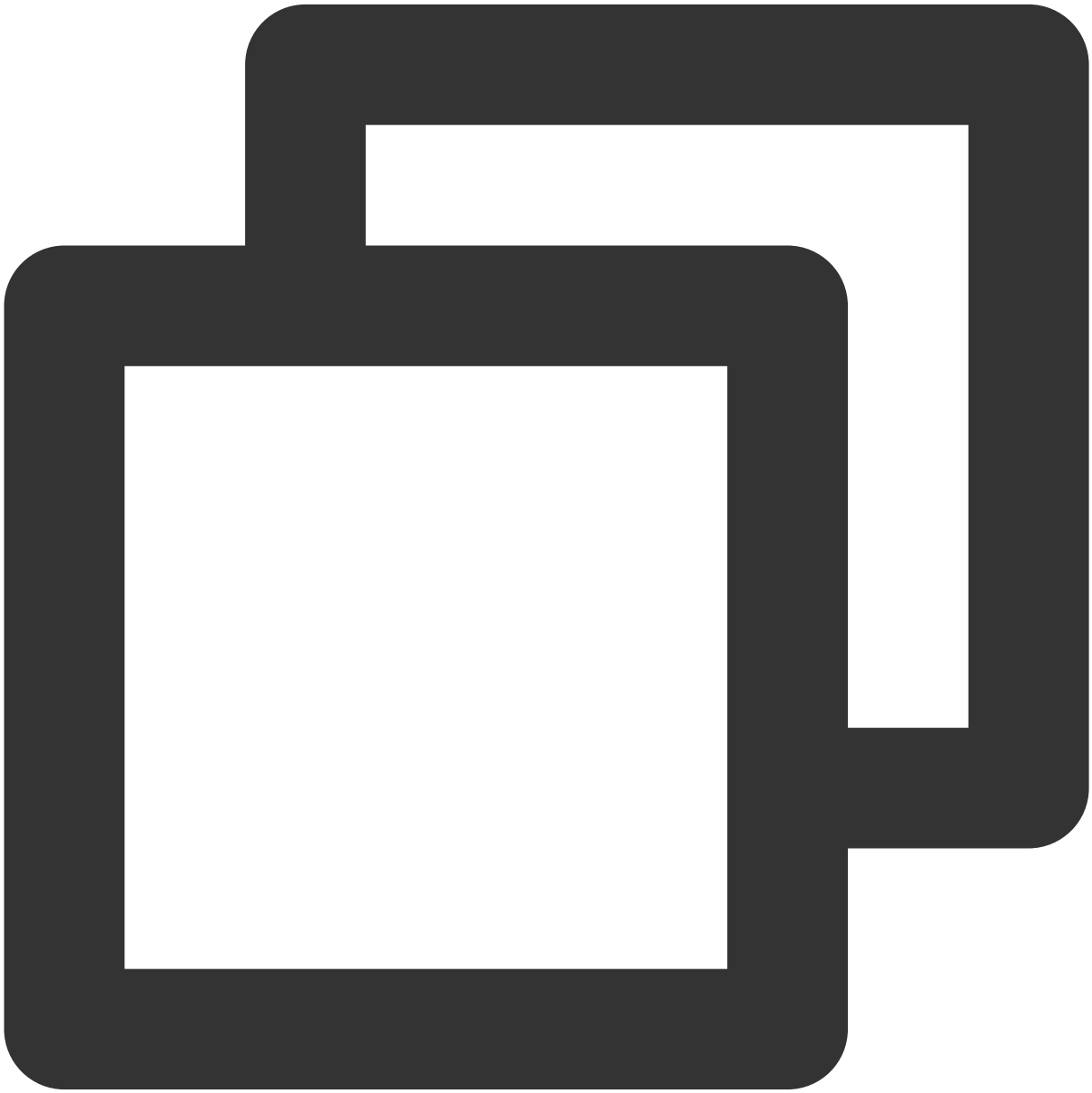

```
server {
 listen 443 ssl;
 ssl_protocols TLSv1 TLSv1.1;
 server_name            www.example.com; # Domain name
 ssl_certificate        www.example.com.crt; # Certificate issued by Tencent to the
 ssl_certificate_key    www.example.com.key; # Private key paired with the certific
 ssl_verify_client on; # Verify the request source
 ssl_client_certificate TencentQQAuthCA.crt; # CA certificate authenticated by Tenc
 location / {
     root   html;
     index  index.html index.htm;
```

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```
    }
  }
```

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Chatbot webhooks
Chatbot Passthrough Message Callback

Last updated：2024-02-27 16:24:06

Feature Overview

The app backend can use this callback to receive custom message callbacks from the chatbot. It can then respond to these callbacks by sending customized message content back to the chatbot.

Notes

To activate this callback feature, it's essential to set up the callback URL and enable the specific switch for this callback. Detailed instructions on this setup can be found in the 'Third-Party Callback Configuration.
The callback operates in a manner where the Instant Messaging (IM) backend initiates an HTTPS POST request towards the App backend.
Upon receiving a callback request, the app backend is obligated to validate that the SDKAppID parameter in the request URL matches its own SDKAppID.
For additional information on security-related issues, please consult the 'Introduction to Third-Party Callbacks: Security Considerations' document.

Callback Trigger Scenarios

When App sends a "Customized Pass-Through Content" to chatbot.

Callback Trigger Time

When App sends a "Customized Pass-Through Content" to chatbot.

API Description

Sample Request URL

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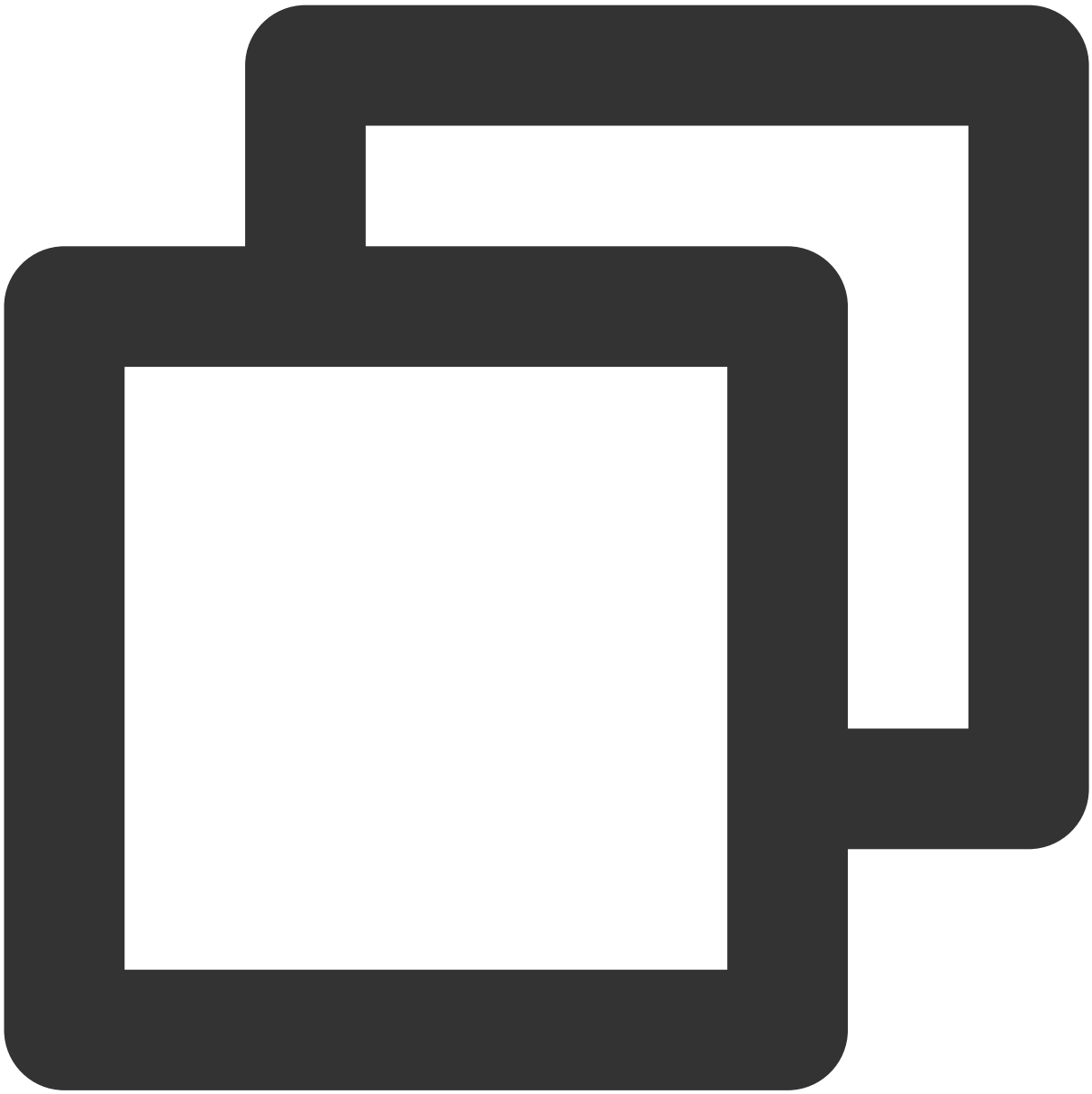
In the subsequent example, the callback URL configured within the app is `https://www.example.com` .

Example:



```
https://www.example.com?SdkAppid=$SDKAppID&CallbackCommand=$CallbackCommand&content
```

Request Parameters

Parameter	Description
https	The request protocol is HTTPS, and the request method is POST

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www.example.com	Callback URL
SdkAppid	SDKAppID allocated by the Instant Messaging console at the time of Application creation
CallbackCommand	Fixed to Chatbot.OnC2CSignalMessage
contenttype	Fixed value: JSON
ClientIP	Client IP, such as 127.0.0.1
OptPlatform	Client platform, for values refer to Third-party callback introduction: Callback protocol with regards to the parameter meanings of OptPlatform

Sample Request

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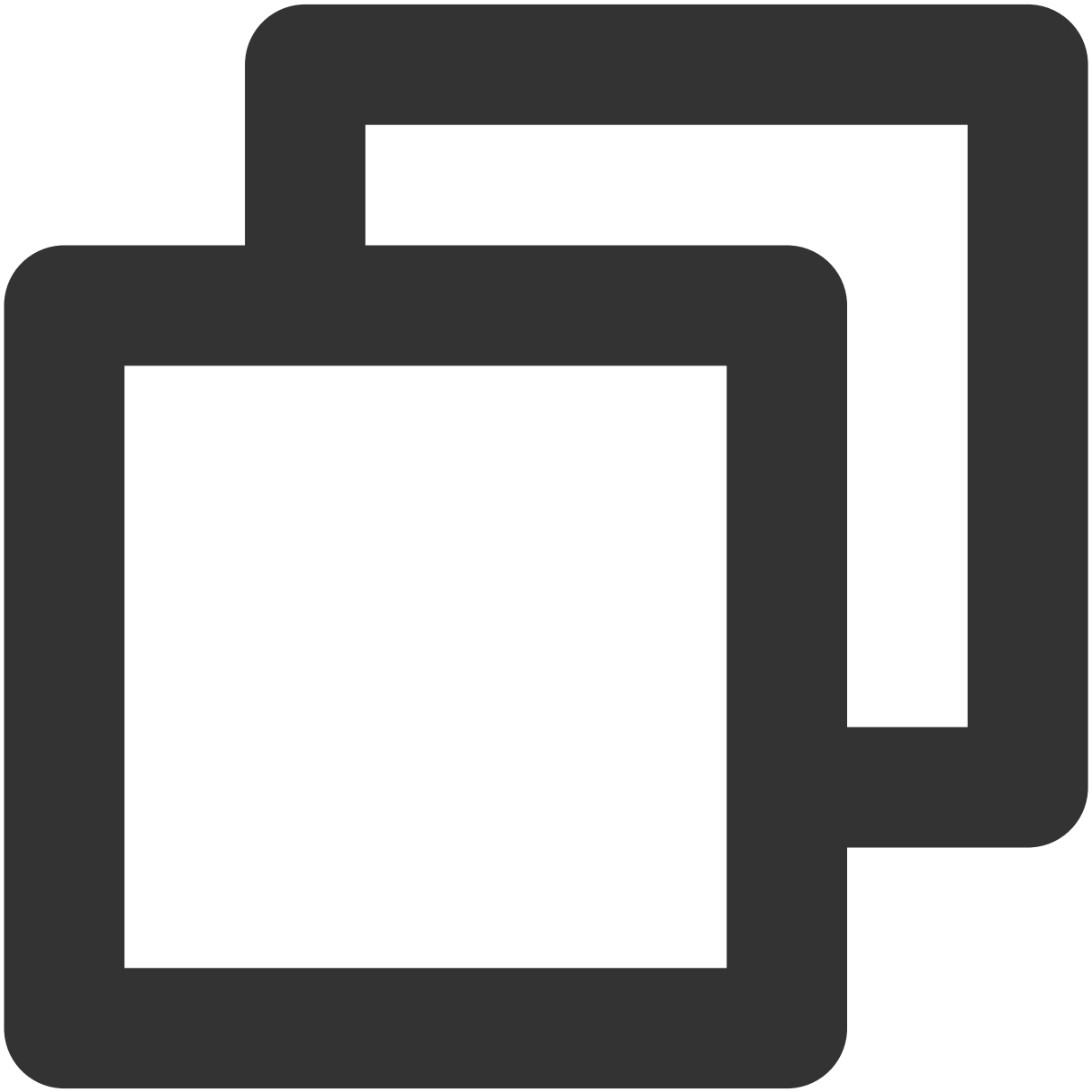

```
{
    "CallbackCommand": "Chatbot.OnC2CSignalMessage",
    "From_Account": "user01",
    "To_Account": "@RBT#chatbot",
    "MsgSeq": 5678,
    "MsgRandom": 8765,
    "MsgKey": "8765_5678_4321",
    "EventTime": 1670574414123,
    "Data": "{\\"msg\\":\\"This is a user-defined passthrough content\\"}"
}
```

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Request Fields

Field	Type	Description
CallbackCommand	String	Callback command
From_Account	String	Message Sender UserID
To_Account	String	Recipient's UserID
MsgSeq	Integer	Message serial number, utilized for marking the respective message (32-bit unsigned integer)
MsgRandom	Integer	Random message number, used to mark this message (32-bit unsigned integer)
MsgKey	String	Unique identifier of this message, allowing for Recalling of One-to-One Messages via REST API based on this identifier
EventTime	Integer	Event trigger timestamp in milliseconds
Data	String	"SelfDefinition pass-through content" from data field in the protocol

Sample Response

Following data synchronization, the app backend dispatches a callback response packet.

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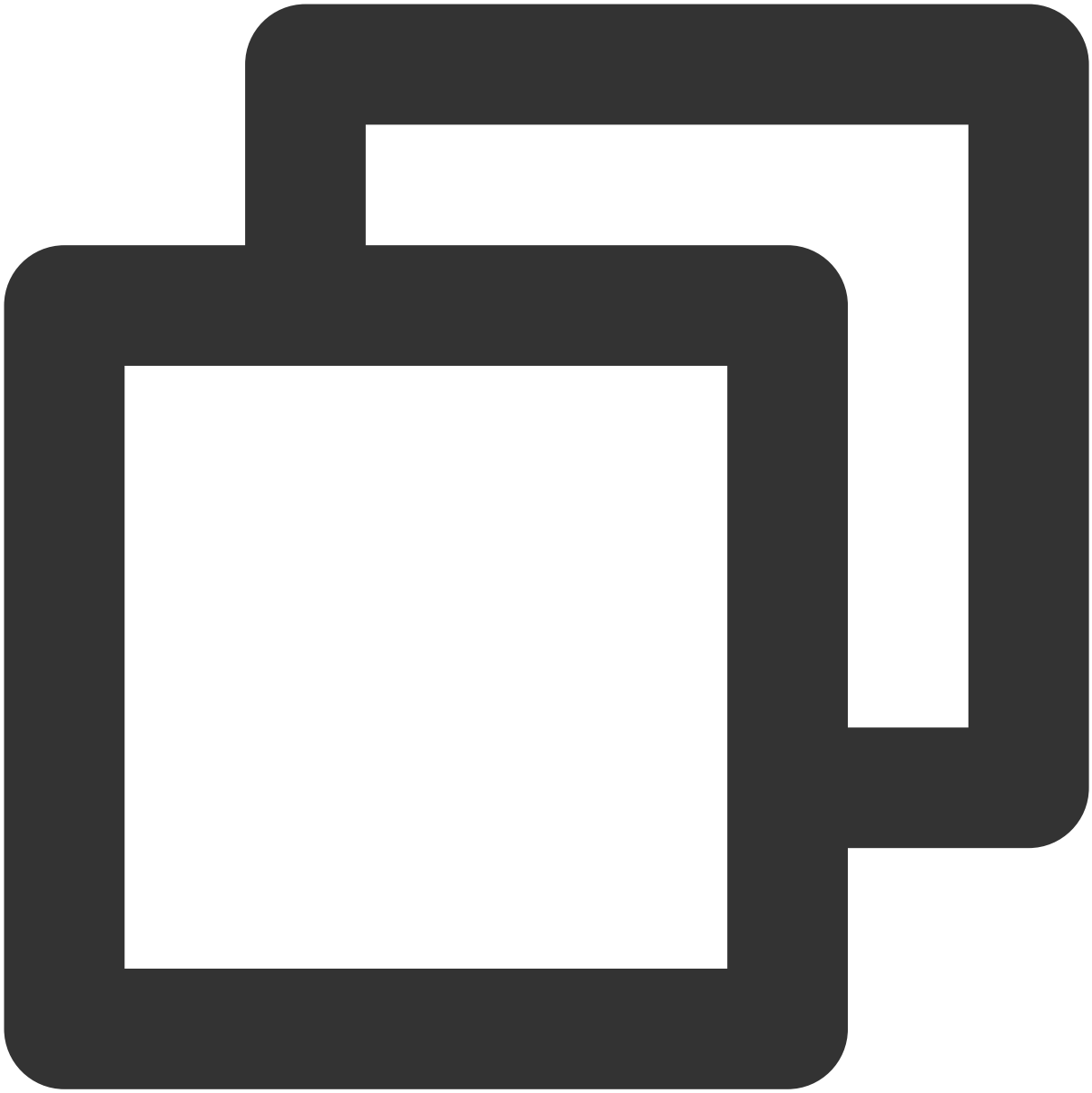


```
{
    "ActionStatus": "OK",
    "ErrorInfo": "",
    "ErrorCode": 0,
    "RspData": "{\\"msg\\":\\"This is the self-definition pass-through content repl
}
```


Response Fields

Field	Type	Attribute	Description

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ActionStatus	String	Mandatory	Processed Request Result: OK Signifies Successful Handling FAILURE signifies unsuccessful execution
ErrorCode	Integer	Mandatory	Error Identifier: A `0` indicates processing was successful, and the `RspData` is returned to the intelligent robot A `1` indicates processing failure, and `RspData` is ignored
ErrorInfo	String	Mandatory	Error message
RspData	String	Mandatory	Response to the AI robot with custom pass-through content

Reference

Overview of Third-Party Callbacks

Callback Before Sending One-to-One Messages

REST API:Sending One-to-One Messages Individually

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