

Image Moderation System

Best Practices

Product Documentation



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API Connection Guide

Preparations for Connection

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This document describes how to connect to and use IMS.

Getting Account Information

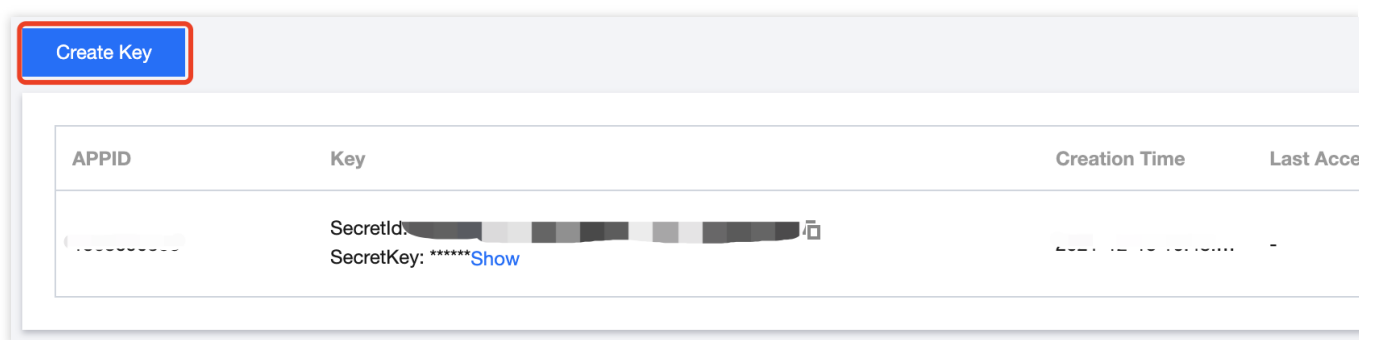
Getting Tencent Cloud account

Log in to the [Tencent Cloud console](#) to sign up and verify your identity as instructed in [Signing up for a Tencent Cloud Account](#). You can skip this step if you already have a Tencent Cloud account.

Getting Tencent Cloud API access key

Tencent Cloud uses `secretid` and `secretkey` to verify your identity and permissions. You can get the Tencent Cloud API access key in the following steps:

1. Go to the [TencentCloud API key management](#) page and select **CAM > API Key Management** on the left sidebar to enter the API key management page.
2. Click **Create Key** to create a key and save the `secretid` and `secretkey` for subsequent API calls. You can skip this step if you already have a Tencent Cloud key.



Configuring in Console

Activating service

Log in to the [IMS console](#) and click **Activate Now**.









Configuring permission

If you want to call IMS through a sub-account, you need to authorize it by assigning a policy in the following steps:

1. Log in to the [CAM console](#) and select **User > User List** on the left sidebar to enter the **User List** page.
2. On the **User List** page, find the target sub-account and click **Authorize** in the **Operation** column to pop up the **Associate Policy** window.

Note:

For more information on CAM, see [CAM Authorization Guide](#).

<input type="checkbox"/> Username	User Type	Account ID	Creation Time	
▶ 				[
▶ 				[

3. In the **Associate Policy** pop-up window, select the `QcloudIMSFullAccess` policy and click **OK**.

Associate Policy

Select Policies (1 Total)

1 selected

QcloudIMSFULLAccess

Policy Name	Policy type
<input checked="" type="checkbox"/> QcloudIMSFULLAccess Full read-write access to IMS	Preset Policy

Policy Name

QcloudIMSFULLAccess
Full read-write access to IM

Support for holding shift key down for multiple selection

Confirm

Cancel

Configuring custom policy

If your business scenarios require a custom moderation policy for image content, you can configure one in **Policy Management** in the following steps:

1. Log in to the [IMS console](#) and select **IMS > Policy Management** on the left sidebar to enter the **Policy Management** page.
2. On the **Policy Management** page, click **Create Policy** in the top-left corner to enter the **Create Policy** page.

Content Moderation System

- Image Moderation ^
- Overview
- Data Query
- Policy Management**

Policy Management

Create Policy

Policy name

Default policy (preset) ⓘ

3. Enter the policy information based on your business scenario, reserve the `Biztype` field as an API input parameter, and click **Next**.

1 Basic Information >

2 Policy Configuration >

3 Custom Library

* Policy name

* Biztype name ⓘ

* Industry

* Use industry template

☒ Yes

☐ No

Next

Parameter description:

Parameter	Description
Policy Name	Text description of the policy, which can contain up to 30 letters, digits, and underscores.
Biztype Name	Specific policy number used for API calls, which can contain 3–32 letters, digits, and underscores and must be unique.
Associated Service Template	Not required currently.
Industry Category	Category of the industry scenario involved in the policy.
Use Industry Template	It will be displayed only when Industry Category is set. You can select whether to use Tencent Cloud's preset industry templates for moderation.

4. Select the content to be recognized and filtered in the policy and click **Next**.

1 Select the corresponding category to moderate the target content. The moderation will not be implemented with no categories selected.

☒ **Pornographic (4)**

- ☒ **Genitals nudity/sexual activity**
Exposure of private parts, genitals nudity, sexual activities, actions, and postures, etc.
- ☒ **Sex solicitation/vulgar behaviors**
Genital-shaped objects, behaviors or objects related to sex solicitation, and SM behaviors, etc.
- ☒ **Sex products**
Adult toys, sex information, adult products or others

☒ **Violent (9)**

- ☒ **Guns and other hot weapons**
Firearms and ammunitions
- ☒ **Large military weapons**
Tanks, fighter planes and aircraft carriers
- ☒ **Swords and other cold weapons**
Daggers, bayonets, kitchen knives, and other restricted knives
- ☒ **Graphic gores**
Wounds, amputations, graphic gores, accident scenes, etc.
- ☒ **Fire/explosion scenes**
Fires, explosions, and burnings
- ☒ **Violent and terrorist behaviors**
Beheading, throat-cutting, torture, etc.
- ☒ **Special clothing**
Featured clothing for terrorists

☒ **Illegal (4)**

- ☒ **Inappropriate behaviors**
Inappropriate behaviors such as live streaming in the car or on the bed, showing middle finger, smoking, drinking, etc.
- ☒ **NonMainstream**
- ☒ **Illegal acts**
Illegal scenes such as drug abuse, gambling, fighting, whoring, etc.

☒ **Advertising (2)**

- ☒ **QR code, barcode**
Check whether the image contains a QR/bar code
- ☒ **Logo detection and recognition**
Shop signs, TV station logos, app logos

☒ **Graphic text moderation (1)**

- ☒ **Graphic text moderation**
Check whether texts in the image contain violating contents

[Back](#) [Next](#)

5. If you want to recognize specific text content in images, you can associate a custom dictionary in the drop-down list and click **Next**.

Note:

Different colors in a custom dictionary represent different blocking logics, where red represents "blocked", yellow represents "suspected", and green represents "allowed".

✓

Basic Information

>

✓

Policy Configuration

>

3

Cusom Library

>

You can configure the custom image/text library you set as needed. If there is no custom library available yet, you can click "Next"

Custom Text Library

Select a custom text library you want to apply

Back

Next

6. After confirming that everything is correct, click **Complete**.

Note:

You can pass in the `Biztype` of a custom policy as an API input parameter to use the policy for image content moderation.

✓ Basic Information > ✓ Policy Configuration > ✓ Custom Library > 4 Creation

Basic Information

Policy name

Biztype name

Industry

Policy Configuration

Image moderation policy

be

Ac

G

Associated Custom Library

Custom Text Library None

Back

Complete

Configuration During Connection

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Online Debugging with API Explorer

Tencent Cloud API Explorer is an automated tool suitable for interactive UIs. It is easy to use with no additional configuration required but not suitable for repeated and continuous use.

This tool provides various capabilities such as online call, signature verification, SDK demo generation, and quick API search, greatly improving the efficiency of using TencentCloud API.

API Connection Through SDK

SDK 3.0 is a companion tool for the TencentCloud API 3.0 platform. It unifies parameter calls and features the same SDK usage, API call methods, error codes, and returned packet formats for different programming languages.

We recommend you connect to IMS through the SDK. The following are the SDK connection guides for different programming languages:

[SDK for Java Connection Guide](#)

[SDK for Python Connection Guide](#)

[SDK for PHP Connection Guide](#)

[SDK for Go Connection Guide](#)

SDK Connection Guide

SDK for Java Connection Guide

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Supported Environments

JDK 7 or above.

Endpoint: `ims.tencentcloudapi.com`

Note:

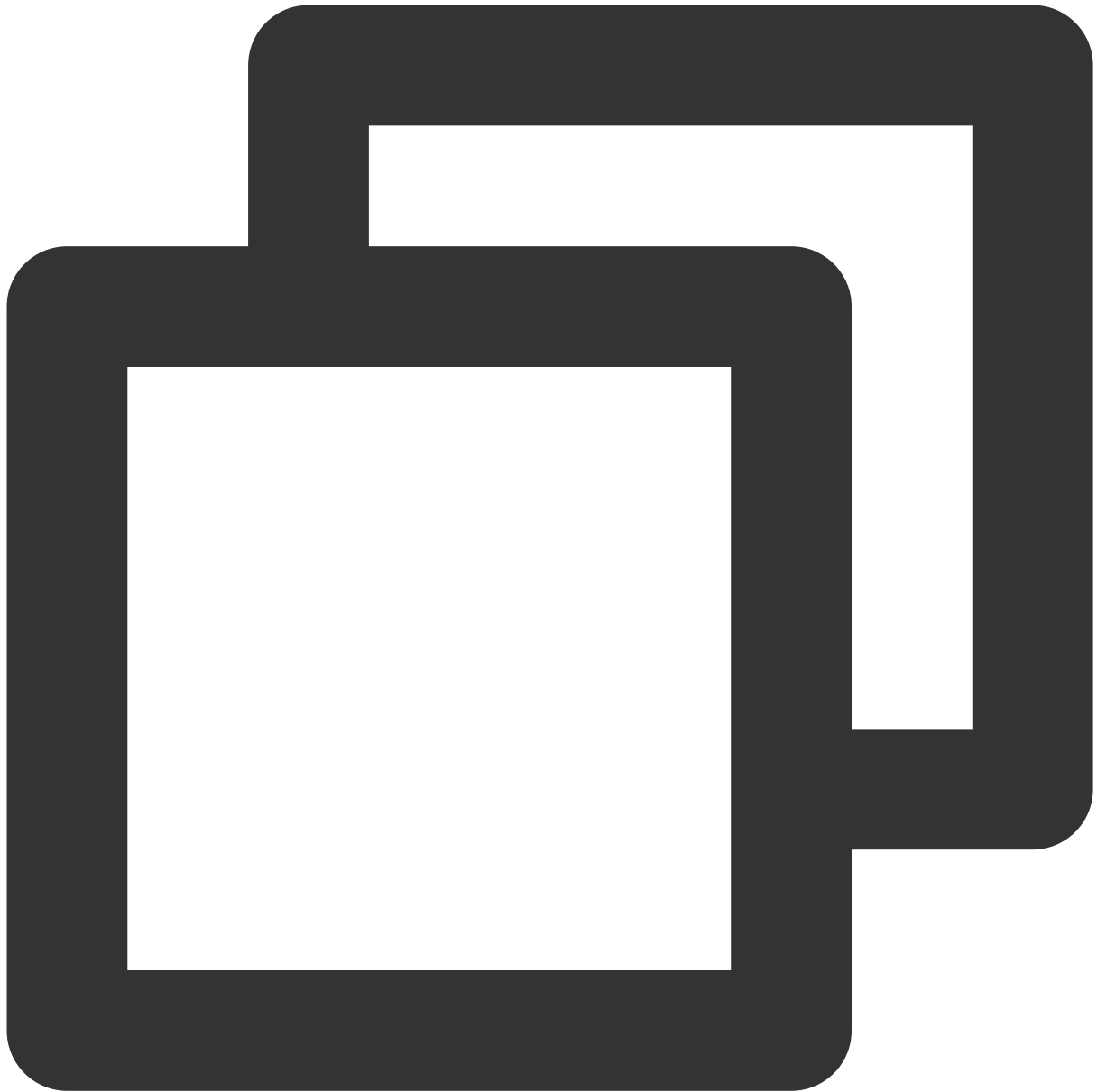
The API supports access from either a nearby region (at `ims.tencentcloudapi.com`) or a specified region (at `ims.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

Installing SDK

Method 1. Install through Maven (recommended)

Maven is a dependency management tool for Java that supports the dependencies your project requires and installs them into your project.

1. Go to [Maven official website](#) to download the corresponding Maven installation package for your system and install it.
2. Add Maven dependencies for your project by adding the following dependencies under the `<dependencies>` tag in Maven's `pom.xml` :



```
<dependency>
  <groupId>com.tencentcloudapi</groupId>
  <artifactId>tencentcloud-sdk-java</artifactId>
  <!-- go to https://search.maven.org/search?q=tencentcloud-sdk-java and get the
  <!-- Query the latest version at https://search.maven.org/search?q=tencentclou
  <version>3.1.322</version>
</dependency>
```

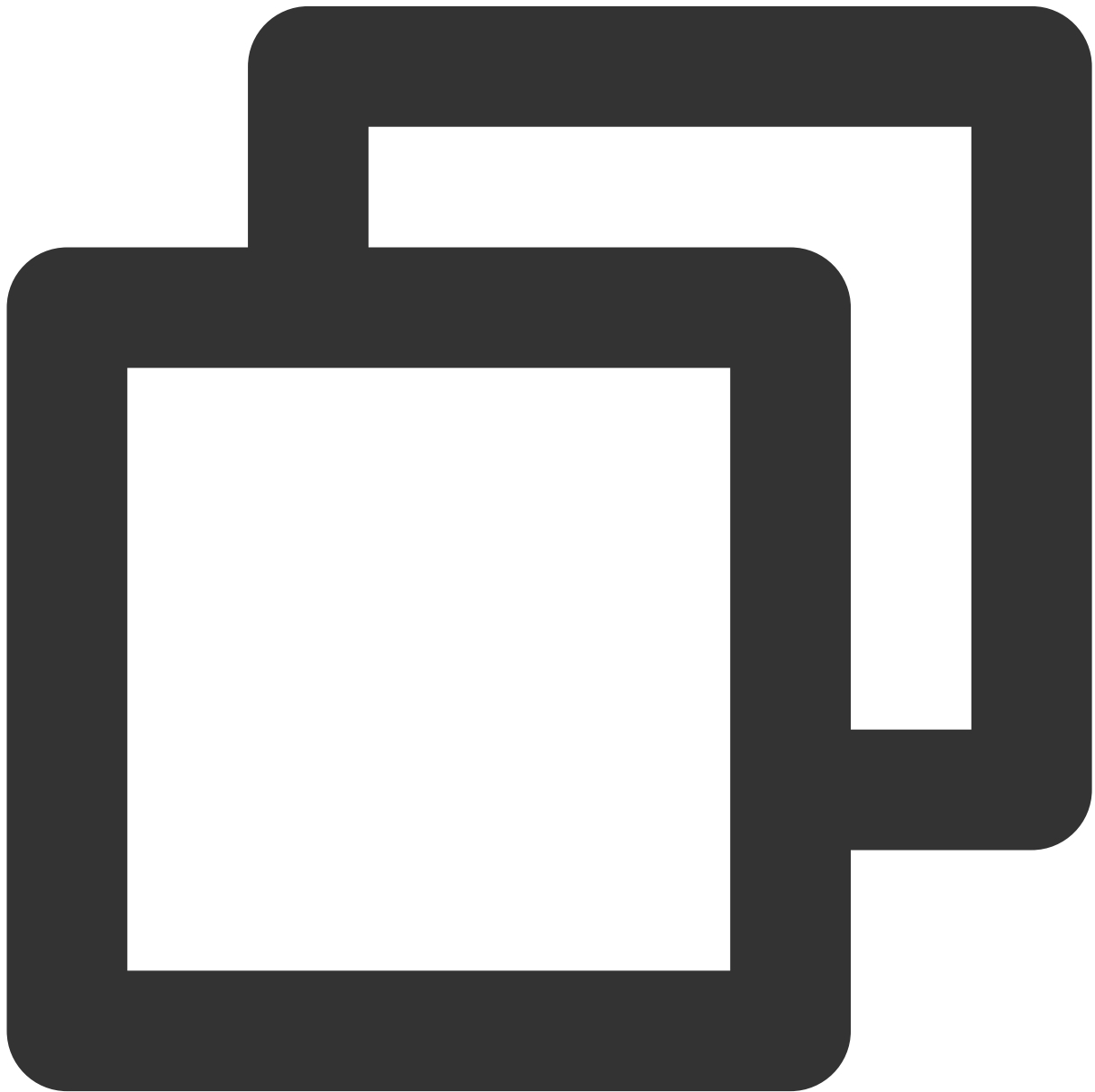
Note:

The version number here is just an example, and you can view the latest version number in the [Maven repository](#).

v4.0.11 shown in the Maven repository was disused but has not been completely deleted due to the Maven index update issue.

The above import method downloads the SDKs of all Tencent Cloud services to your local system. You can replace the `artifactId` with `tencentcloud-sdk-java-cvm/cbs/vpc` to import the SDK of the specific product. The code can be used in the same way, and the major packages are the same. For more information, see the samples.

3. Set the mirror source to speed up the download. To do so, edit the `settings.xml` configuration file of Maven and add the mirror configuration in the `mirrors` section:



```
<mirror>
```

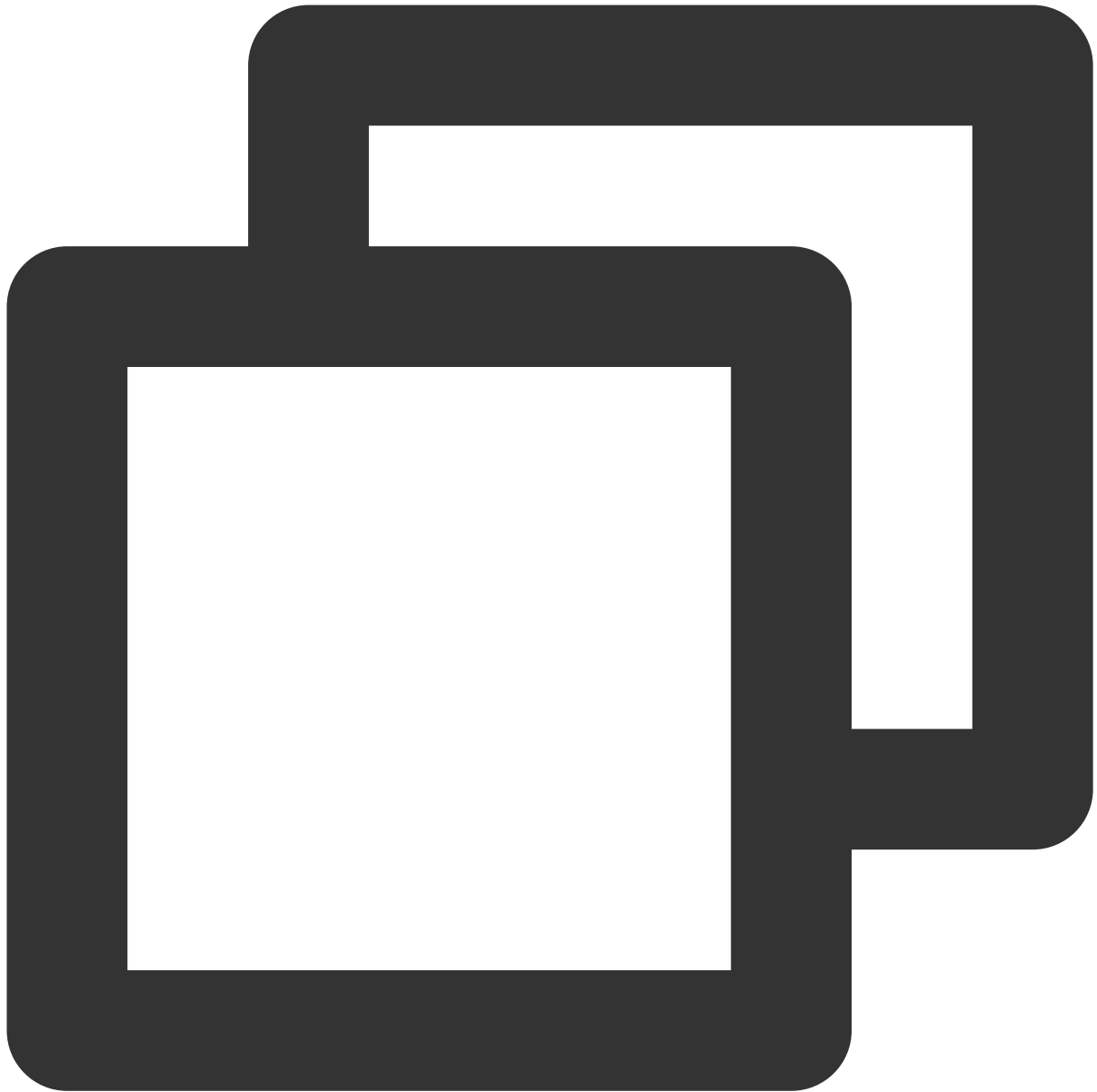
```
<id>tencent</id>
<name>tencent maven mirror</name>
<url>https://mirrors.tencent.com/nexus/repository/maven-public/</url>
<mirrorOf>*</mirrorOf>
</mirror>
```

Method 2. Install through source package

1. Go to the [GitHub code hosting page](#) to download the source code package.
2. Decompress the source package to an appropriate location in your project.
3. You need to put the jar package under the `vendor` directory in a path that can be found by Java.
4. For importing methods, see [Using SDK](#).

Using SDK

See the sample code below, which calls the `ImageModeration` API. The `region` is configured as `Guangzhou` as an example and should be configured as needed.



```
import com.tencentcloudapi.common.Credential;
import com.tencentcloudapi.common.profile.ClientProfile;
import com.tencentcloudapi.common.profile.HttpProfile;
import com.tencentcloudapi.common.exception.TencentCloudSDKException;
import com.tencentcloudapi.ims.v20201229.ImsClient;
import com.tencentcloudapi.ims.v20201229.models.*;

public class ImageModeration
{
    public static void main(String [] args) {
        try{
```



```
// Instantiate an authentication object. Pass in `secretId` and `secretKey`
// You can get them by visiting https://console.tencentcloud.com/cam/capi
Credential cred = new Credential("SecretId", "SecretKey");
// (Optional) Instantiate an HTTP option
HttpProfile httpProfile = new HttpProfile();
httpProfile.setEndpoint("ims.tencentcloudapi.com");
// Instantiate a client option (optional; skip if no special requirements)
ClientProfile clientProfile = new ClientProfile();
clientProfile.setHttpProfile(httpProfile);
// Instantiate the client object of the requested product. `clientProfile` is required
ImsClient client = new ImsClient(cred, "ap-guangzhou", clientProfile);
// Instantiate a request object. Each API corresponds to a request object
ImageModerationRequest req = new ImageModerationRequest();

// The returned `resp` is an instance of `ImageModerationResponse` which implements the `Response` interface
ImageModerationResponse resp = client.ImageModeration(req);
// A string return packet in JSON format is output
System.out.println(ImageModerationResponse.toJsonString(resp));
} catch (TencentCloudSDKException e) {
    System.out.println(e.toString());
}
}
```

SDK for Python Connection Guide

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Supported Environments

Python 2.7 and 3.6–3.9.

Endpoint: `ims.tencentcloudapi.com`

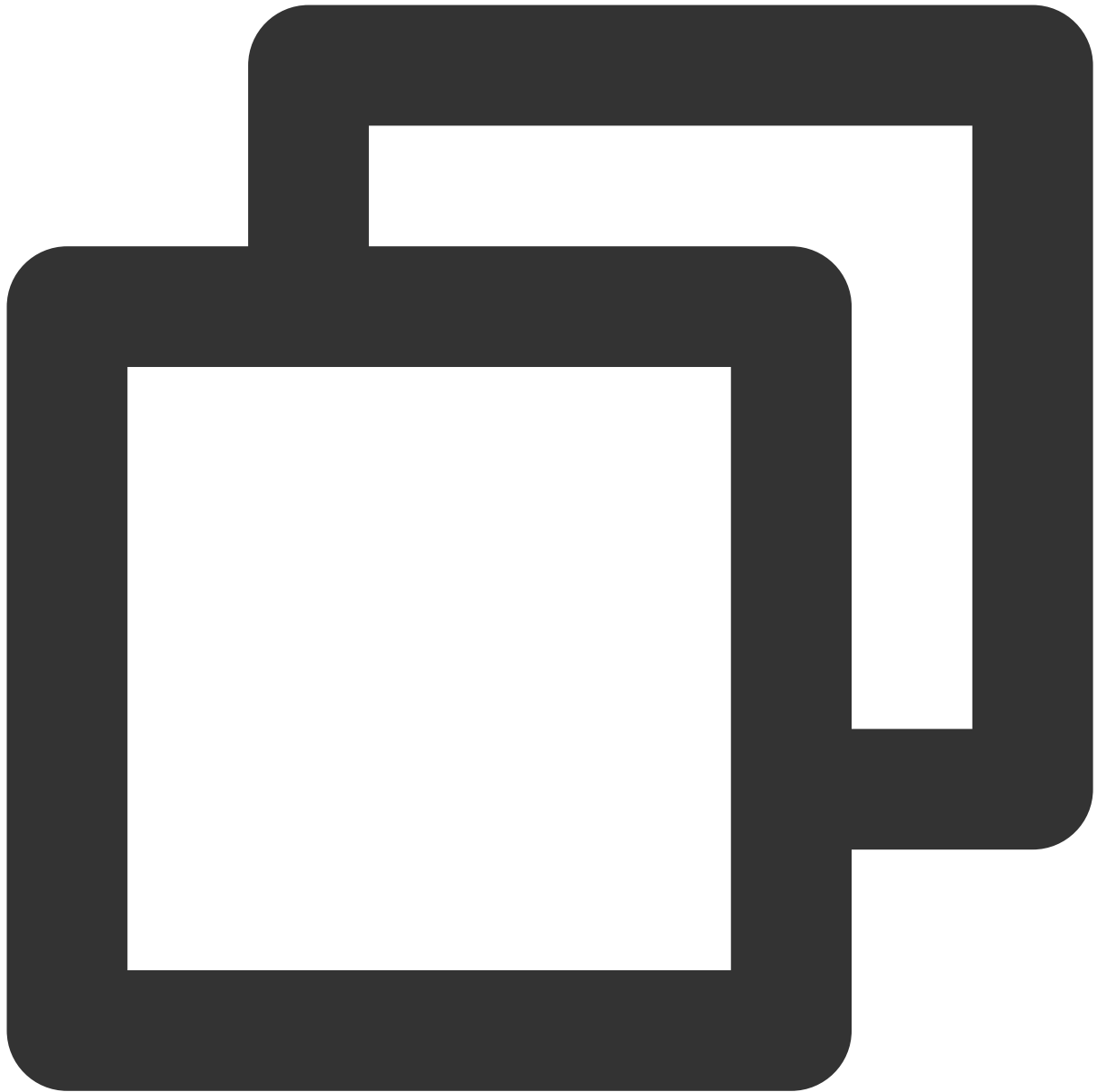
Note:

The API supports access from either a nearby region (at `ims.tencentcloudapi.com`) or a specified region (at `ims.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

Installing SDK

Method 1. Install through pip (recommended)

You can install the Tencent Cloud SDK for Python into your project through pip by running the following command on the command line.



```
pip install --upgrade tencentcloud-sdk-python
```

Note:

If you haven't installed pip in your project environment yet, install it first as instructed in [Installation](#).

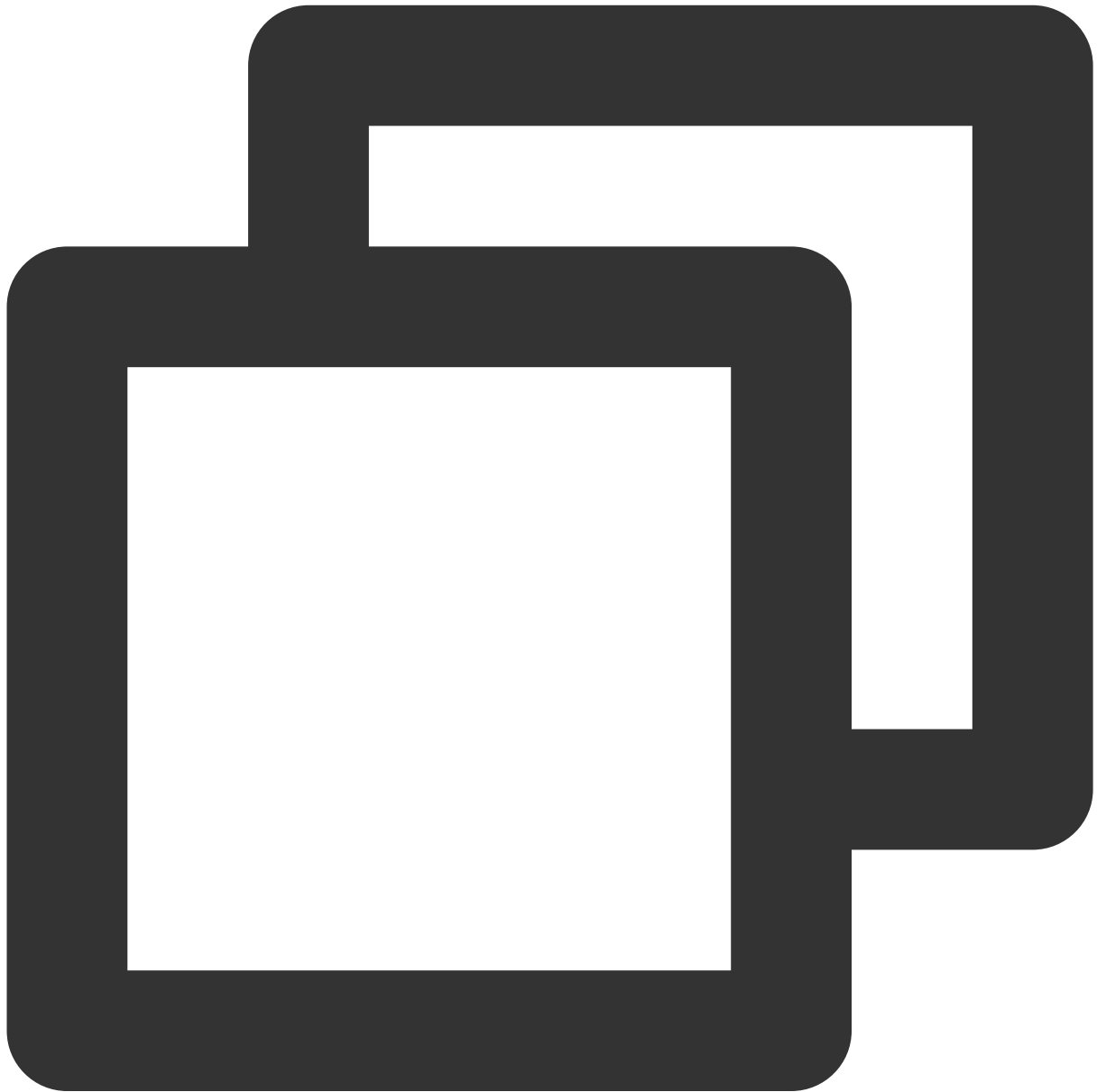
If you have both Python 2 and Python 3 environments, you need to use the pip3 command for installation. Users in the Chinese mainland can use a Tencent Cloud mirror source to speed up the download by running `pip install -i https://mirrors.tencent.com/pypi/simple/ --upgrade tencentcloud-sdk-python` for example.

If you only want to use the package of a specific product, such as CVM, you can install it separately, but this method cannot work together with the full installation method.

For more SDK supported Tencent Cloud products, see [SDK](#).

Method 2. Install through source package

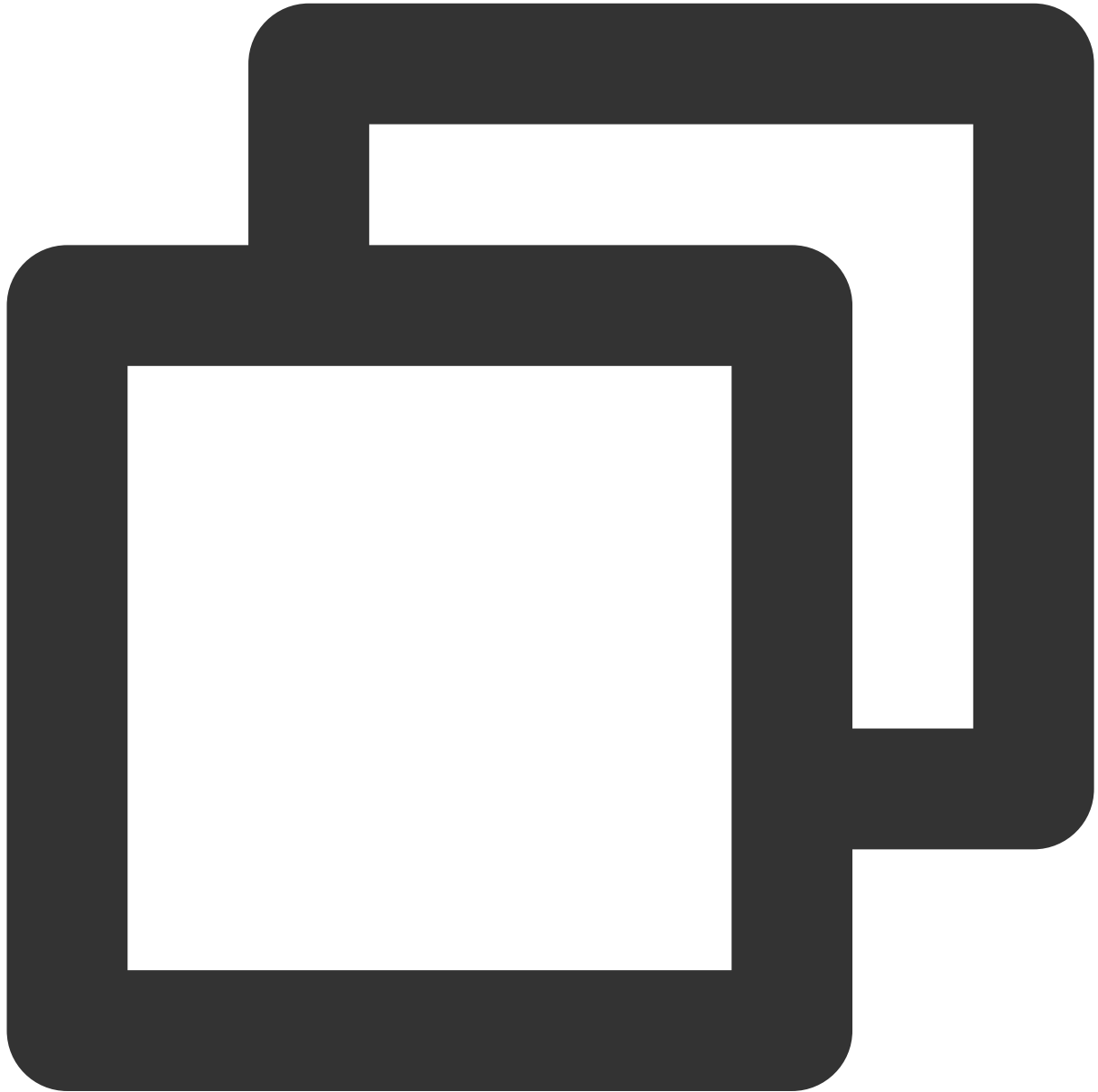
Go to the [GitHub code hosting page](#) to download the source code package, decompress it, and run the following command:



```
$ cd tencentcloud-sdk-python  
$ python setup.py install
```

Using SDK

For the importing method, see the sample code below, which calls the `ImageModeration` API. The `region` is configured as `Guangzhou` as an example and should be configured as needed.



```
import json from tencentcloud.common
import credential from tencentcloud.common.profile.client_profile
import ClientProfile from tencentcloud.common.profile.http_profile
import HttpProfile from tencentcloud.common.exception.tencent_cloud_sdk_exception
import TencentCloudSDKException from tencentcloud.ims.v20201229
```

```
import ims_client, models
try: cred = credential.Credential("SecretId", "SecretKey") httpProfile = HttpProfil
clientProfile = ClientProfile() clientProfile.httpProfile = httpProfile client = im
req.from_json_string(json.dumps(params)) resp = client.ImageModeration(req) print(r
```

SDK for PHP Connection Guide

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Supported Environments

PHP 5.6.33 or above.

Endpoint: `ims.tencentcloudapi.com`

Note:

The API supports access from either a nearby region (at `ims.tencentcloudapi.com`) or a specified region (at `ims.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

Installing SDK for PHP 3.0

Installation through Composer is the recommended way to use the SDK for PHP. Composer is a dependency manager for PHP. For more information, visit [Composer official website](#).

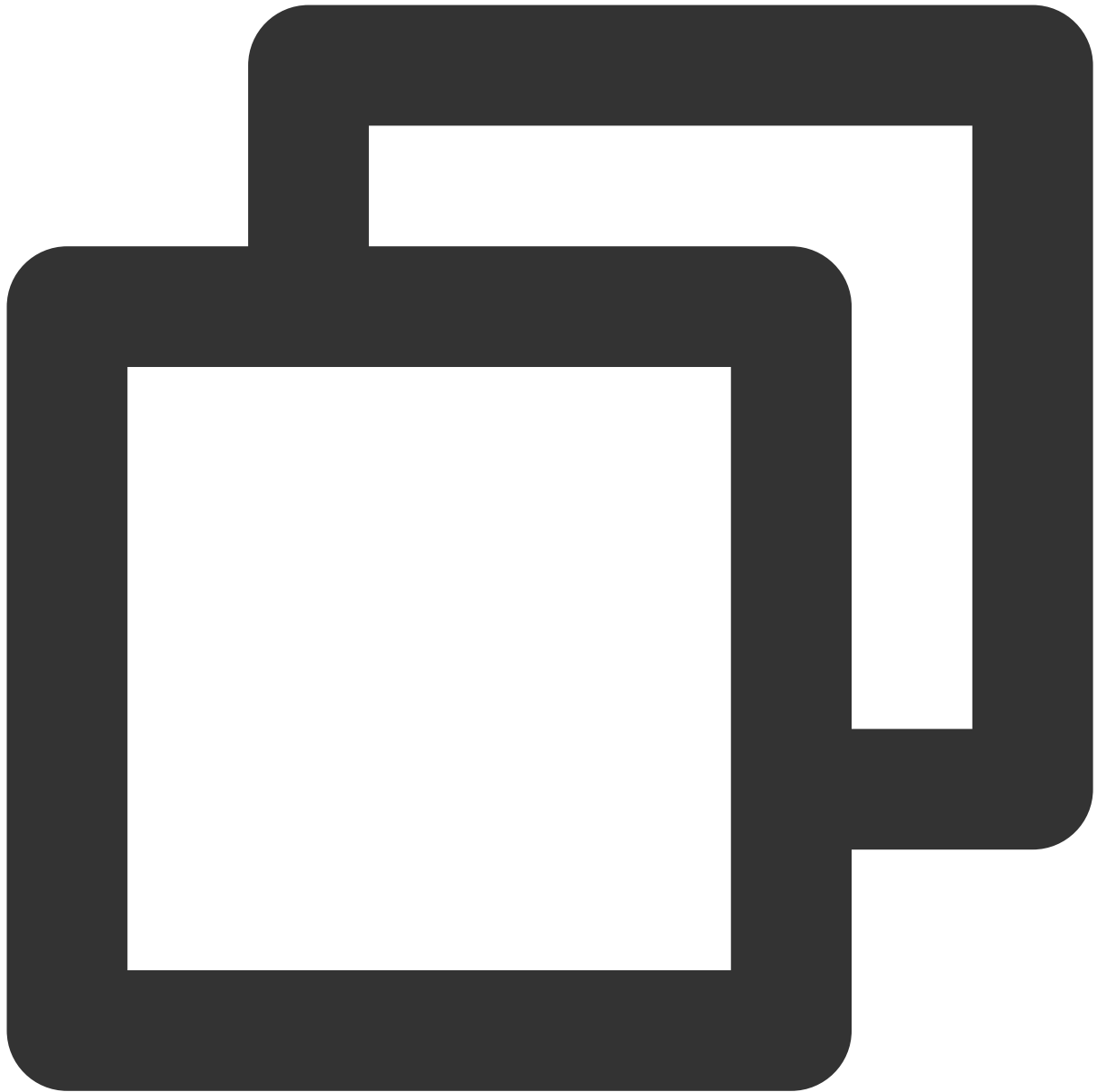
Note:

Composer requires PHP 5.3.2+ and above, and `openssl` needs to be enabled.

Step 1. Install Composer

For Windows, go to [Composer official website](#) to download the installation package.

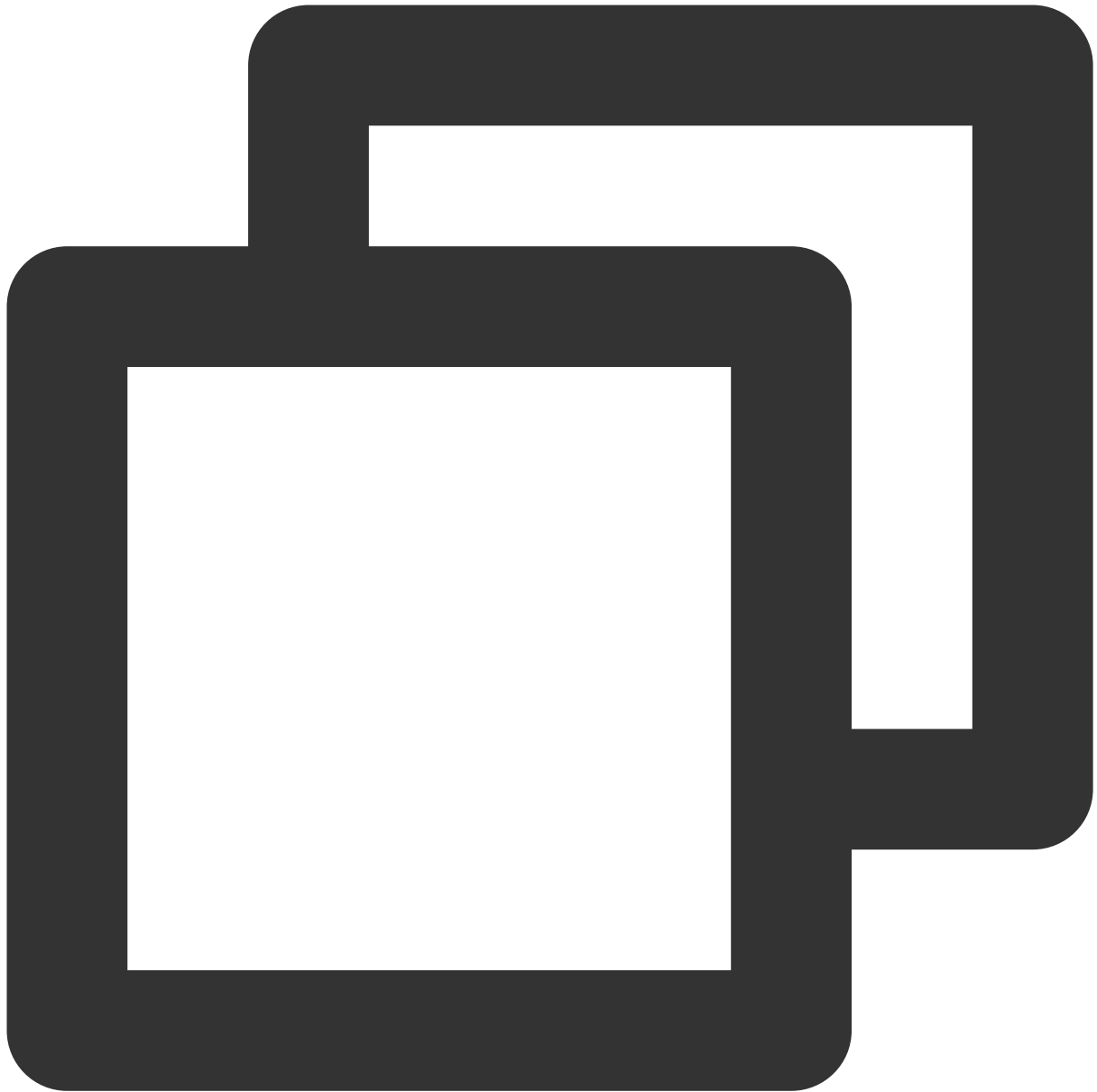
For Unix, install it by running the following command on the command line:



```
curl -sS https://getcomposer.org/installer | php  
sudo mv composer.phar /usr/local/bin/composer
```

Step 2. Add a mirror source

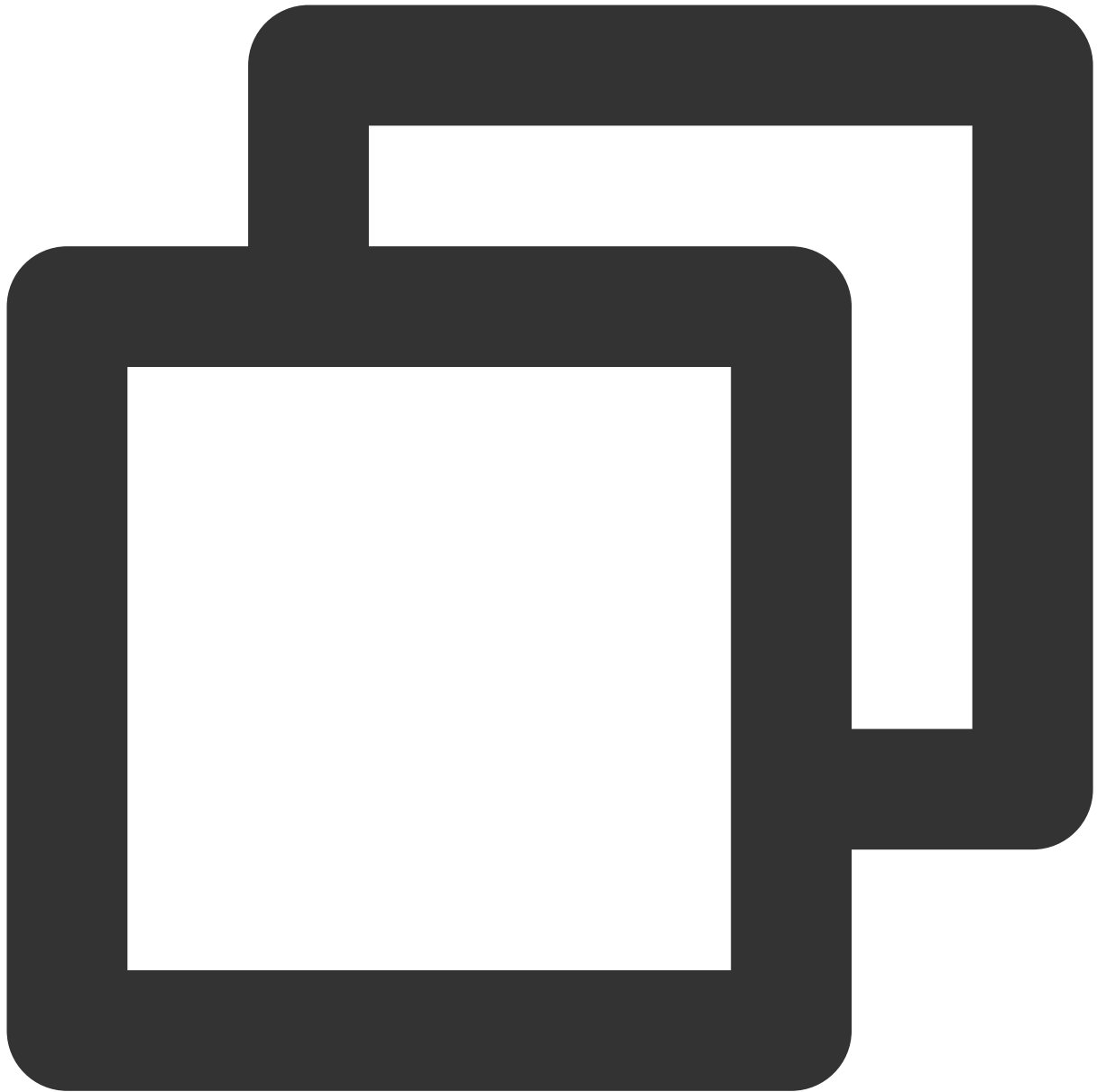
Users in the Chinese mainland can use a Tencent Cloud mirror source to speed up the download by running the following command in the opened command window:



```
composer config -g repos.packagist composer  
https://mirrors.tencent.com/composer/
```

Step 3. Add dependencies

In the opened command window, run the command to install the SDK (in the specified location). For example, to install in the `C:\\Users\\...>` directory, open the command window at the specified location and run the following command:



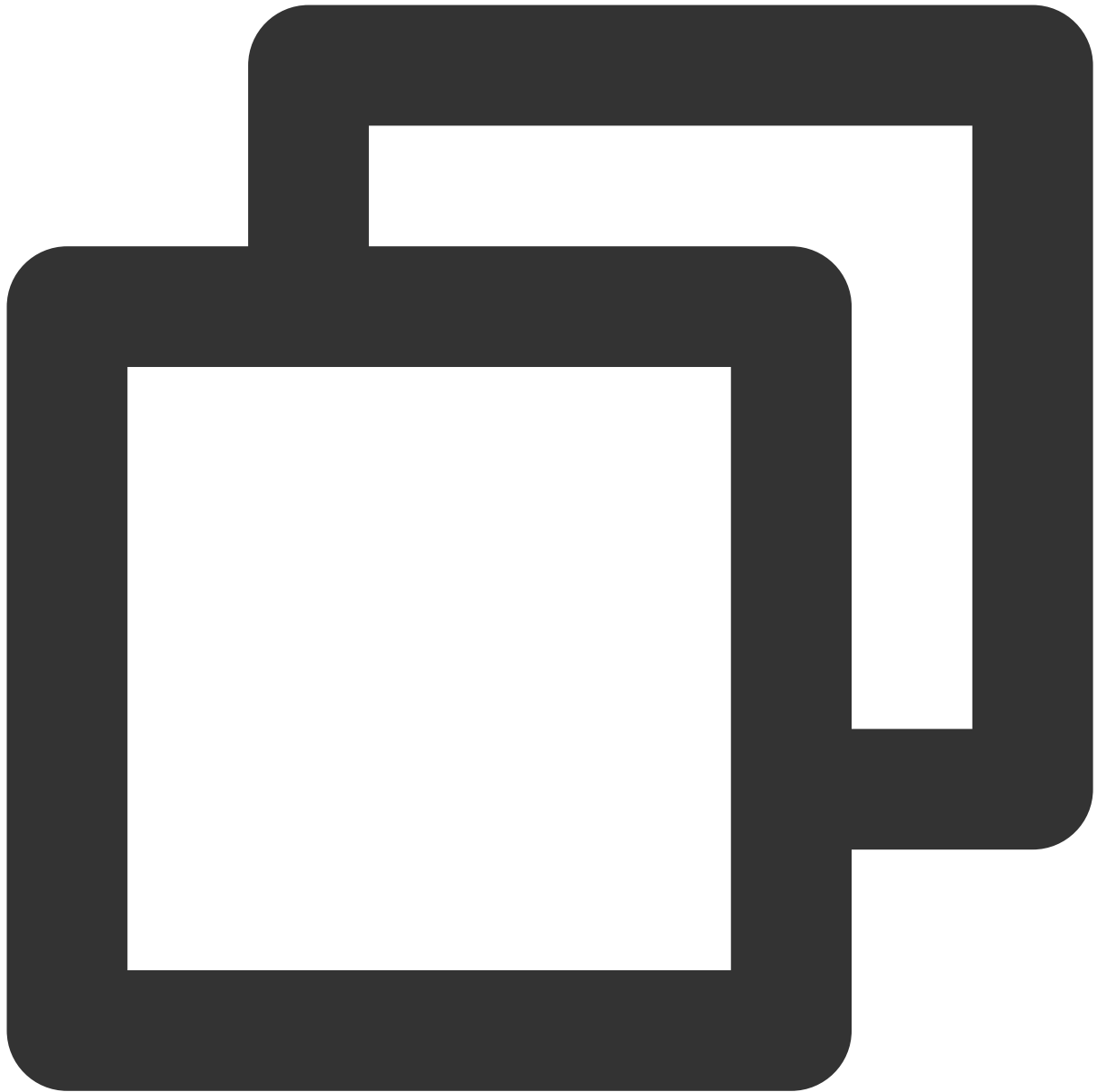
```
composer require tencentcloud/tencentcloud-sdk-php
```

Step 4. Add references

Add the following reference code in the code.

Note:

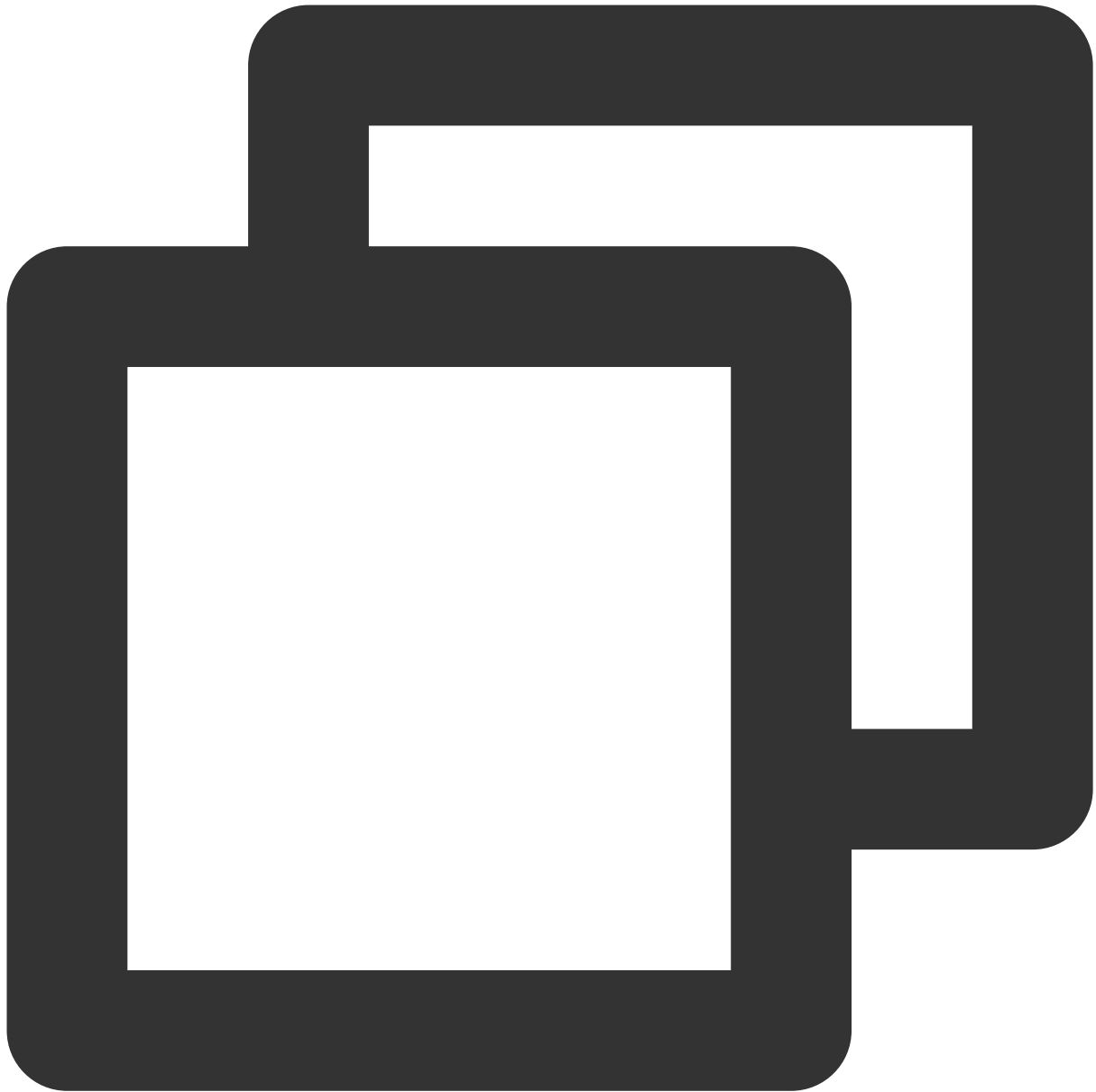
This example is for reference only. Composer will generate a `vendor` directory in the project root directory, whose actual absolute path is `/path/to/` (if you perform this operation in the project root directory, you can omit the absolute path).



```
require '/path/to/vendor/autoload.php';
```

Using SDK

See the sample code below, which calls the `ImageModeration` API. The `region` is configured as `Guangzhou` as an example and should be configured as needed.



```
< ? php require_once 'vendor/autoload.php';
use TencentCloud\\ Common\\ Credential;
use TencentCloud\\ Common\\ Profile\\ ClientProfile;
use TencentCloud\\ Common\\ Profile\\ HttpProfile;
use TencentCloud\\ Common\\ Exception\\ TencentCloudSDKException;
use TencentCloud\\ Ims\\ V20201229\\ ImsClient;
use TencentCloud\\ Ims\\ V20201229\\ Models\\ ImageModerationRequest;
try {
    $cred = new Credential("SecretId", "SecretKey");
    $httpProfile = new HttpProfile();
    $httpProfile -> setEndpoint("ims.tencentcloudapi.com");
```

```
$clientProfile = new ClientProfile();
$clientProfile -> setHttpProfile($httpProfile);
$client = new ImsClient($cred, "ap-guangzhou", $clientProfile);
$req = new ImageModerationRequest();
$params = array();
$req -> fromJsonString(json_encode($params));
$resp = $client -> ImageModeration($req);
print_r($resp -> toJsonString());
} catch (TencentCloudSDKException $e) {
    echo $e;
}
```

SDK for Go Connection Guide

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Supported Environments

Go 1.9 or above (Go 1.14 is required if `go mod` is used). Plus, the necessary environment variables such as `GOPATH` should be set properly.

Endpoint: `ims.tencentcloudapi.com`

Note:

The API supports access from either a nearby region (at `ims.tencentcloudapi.com`) or a specified region (at `ims.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

Installing SDK for Go

Method 1. Install through go get (recommended)

We recommend you use a Tencent Cloud mirror for faster download:

System Platform	Command
Linux / macOS	<code>export GOPROXY=https://mirrors.tencent.com/go/</code>
Windows	<code>set GOPROXY=https://mirrors.tencent.com/go/</code>

Starting from v1.0.170, you can download packages by product. You only need to download the basic package and the corresponding product package (such as CVM) instead of downloading the packages of all Tencent Cloud products, which speeds up the image build and compilation. Of course, you can also download the packages of all products at once in the same way as before.

Note:

On-Demand installation method: you can only use the **Go Modules** mode for dependency management; that is, the environment variable `GO111MODULE` should be `auto` or `on`, and `go mod init xxx` should be executed in your project. If you use `GOPATH`, see the full installation method.

Full installation method: it supports both `GOPATH` and `Go Modules`.

Installation Method	Description	Command
On-demand installation (recommended)	Install the common basic package	<code>go get -v -u github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/common</code>

	Install the corresponding service package (such as CVM)	<code>go get -v -u github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/cvm</code>
Full installation	Download the packages of all Tencent Cloud services at once	<code>go get -v -u github.com/tencentcloud/tencentcloud-sdk-go</code>

Note:

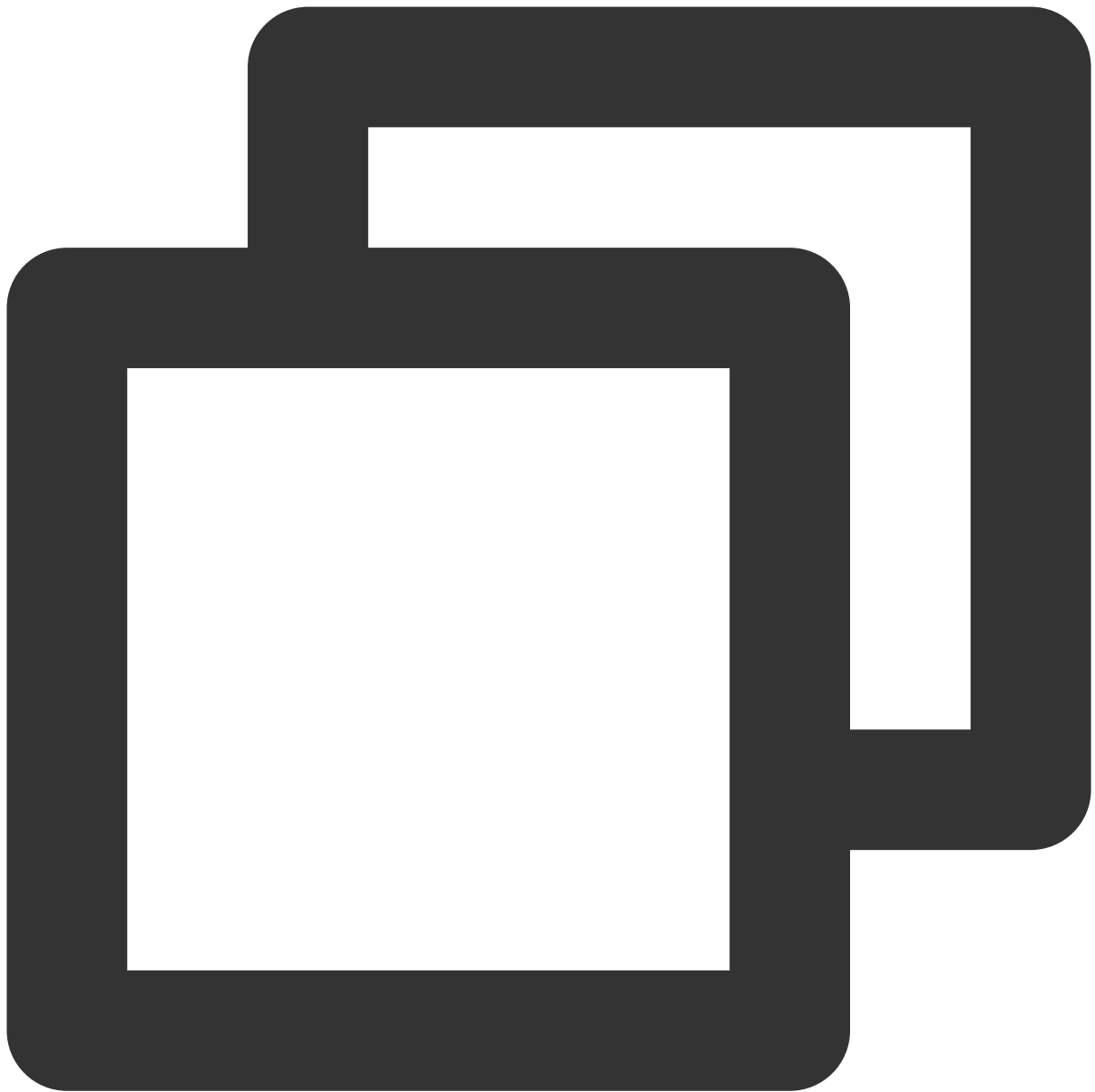
In order to support `go mod`, the SDK version number has been reduced from v3.x to v1.x, and all tags of `v3.0.*` and `3.0.*` were removed on May 10, 2021. If you need to backtrack previous tags, refer to the `commit2tag` file in the root directory of the project.

Method 2. Install through source package

Go to the [GitHub](#) or [Gitee](#) code hosting page to download the latest code, decompress, and install it in the `$GOPATH/src/github.com/tencentcloud` directory.

Using SDK

See the sample code below, which calls the `ImageModeration` API. The `region` is configured as `Guangzhou` as an example and should be configured as needed.



```
package main
import ("fmt"
        "github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/common"
        "github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/common/errors"
        "github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/common/profile"
        ims "github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/ims/v20201229")
credential := common.NewCredential("SecretId", "SecretKey", )
cpf := profile.NewClient,
_ := ims.NewClient(credential, "ap-guangzhou", cpf)
request := ims.NewImageMode
err := client.ImageModeration(request)
if _,
ok := err.( * errors.TencentCloudSDKError); ok {
```



```
        fmt.Printf("An API error has returned: %s", err) return
    }
    if err != nil {
        panic(err)
    }
    fmt.Printf("%s", response.ToJsonString())
}
```

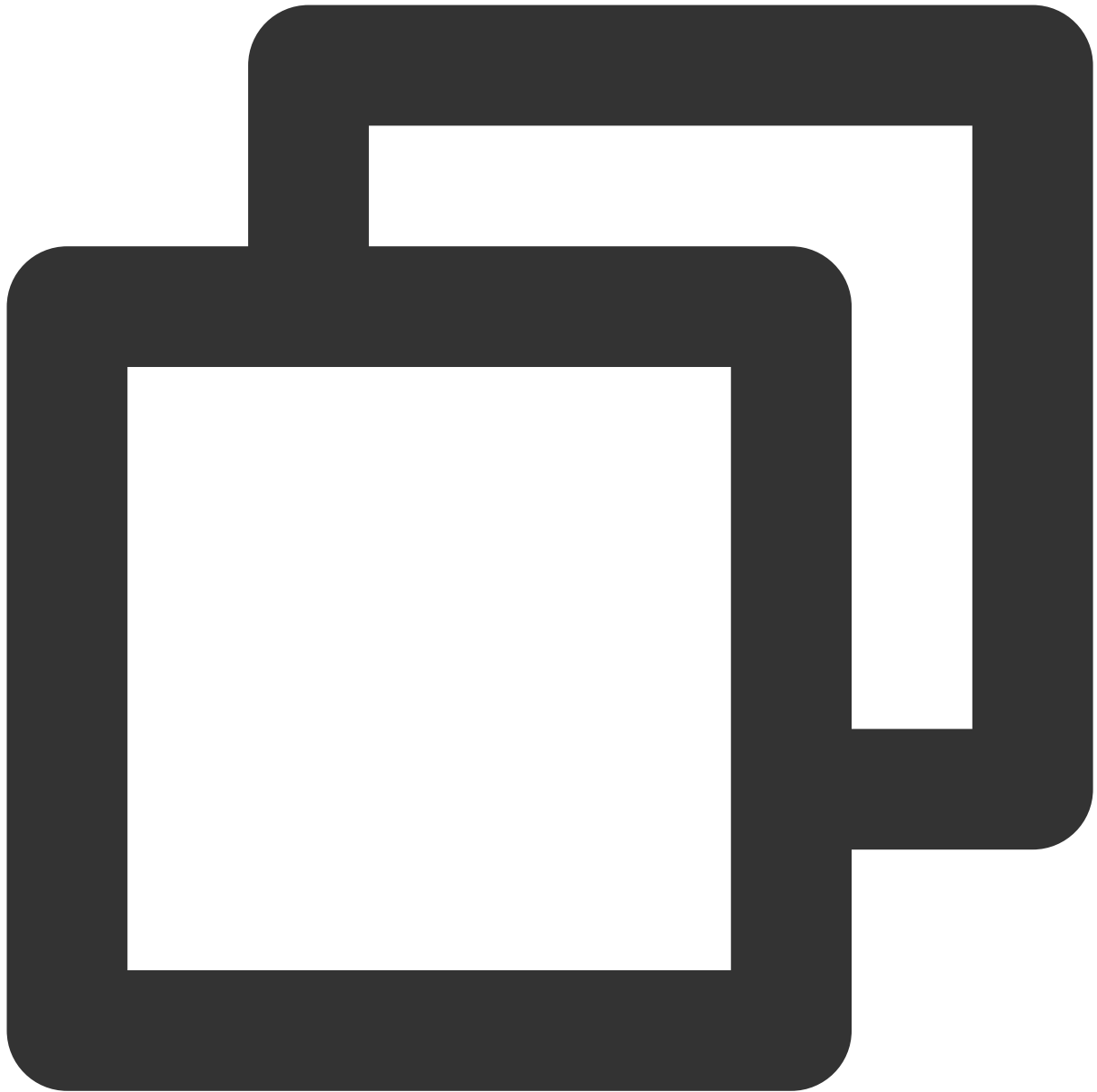
Verification After Connection

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After completing the API connection, you can verify whether IMS is connected to successfully as detailed below.

Connection Success

If the `Response` doesn't have the `Error` field and the business parameters are returned normally, IMS is connected to successfully as shown below:

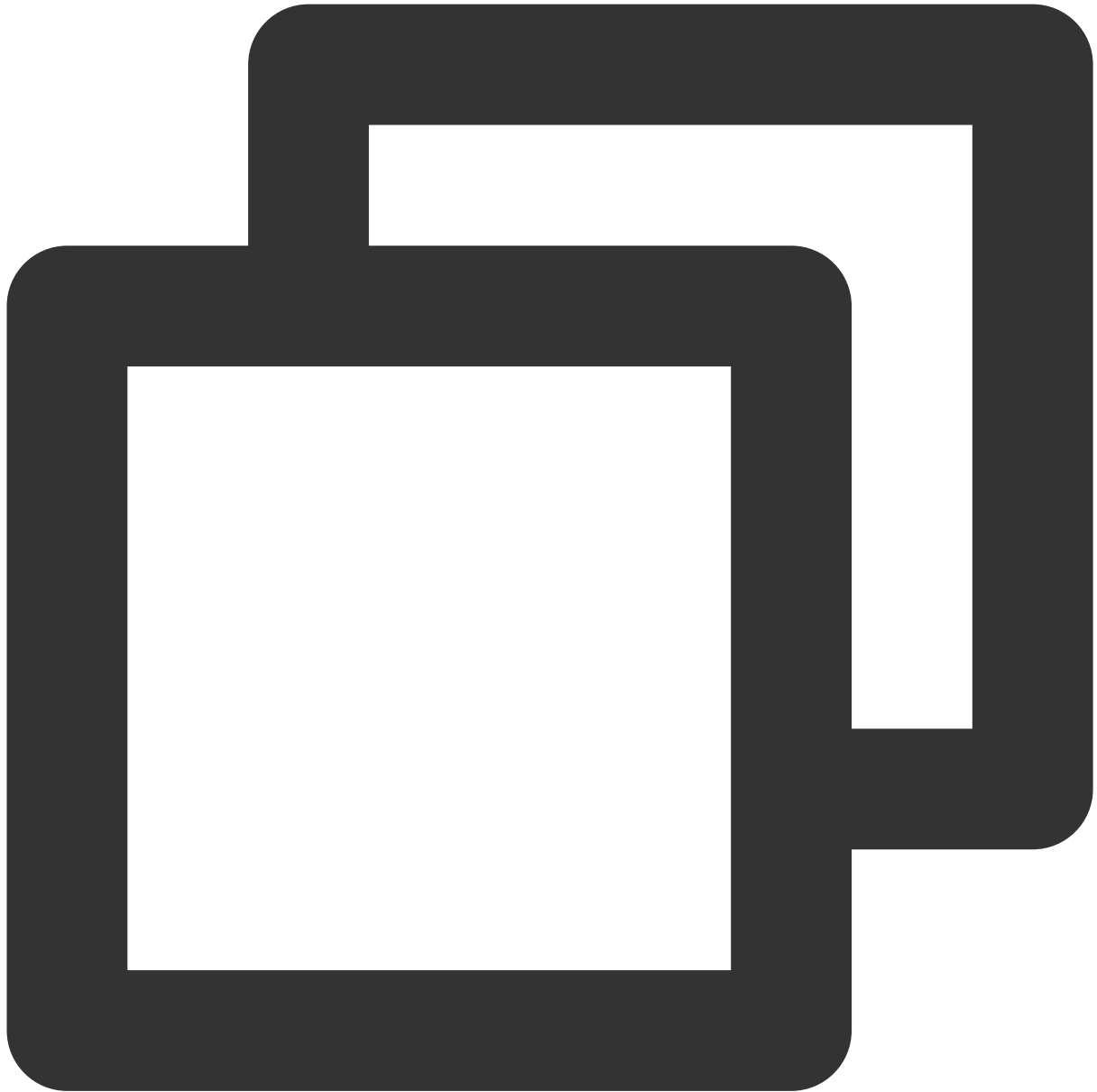


```
{
  "Response": {
    "RequestId": "a61237dd-c2a0-43e7-a3da-d27022d39ba7",
    "DataId": "a61237dd-c2a0-43e7-a3da-d27022d39ba7",
    "BizType": "test_1001",
    "Suggestion": "Block",
    "FileMD5": "",
    "Label": "Porn",
    "SubLabel": "SexBehavior",
    "Score": 90,
    "LabelResults": [
```

```
{
  "Scene": "Porn",
  "Suggestion": "Block",
  "Label": "Porn",
  "SubLabel": "SexBehavior",
  "Score": 90,
  "Details": []
},
"ObjectResults": [
  {
    "Scene": "QrCode",
    "Suggestion": "Block",
    "Label": "Ad",
    "SubLabel": "",
    "Score": 100,
    "Names": [
      "QRCODE"
    ],
    "Details": [
      {
        "Id": 0,
        "Name": "QRCODE",
        "Score": 100,
        "Location": {
          "X": 155.01746,
          "Y": 396.01746,
          "Width": 769.9824,
          "Height": 769.98254,
          "Rotate": 0
        }
      }
    ]
  }
],
"OcrResults": [],
"LibResults": [],
"Extra": ""
}
```

Connection Failure

If the `Response` contains the `Error` field, the connection failed. The following is an example of failure caused by signature verification :



```
{
  "Response": {
    "Error": {
      "Code": "AuthFailure.SignatureFailure",
      "Message": "The provided credentials could not be validated. Please che
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

```
}
```

`Code` in `Error` indicates the error code, while `Message` indicates the specific error information. For more information, see [Error Codes](#).

Error Codes

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Common Error Codes

Error Code	Description
ActionOffline	The API is deactivated.
AuthFailure.InvalidAuthorization	The <code>Authorization</code> in the request headers doesn't meet Tencent Cloud standards.
AuthFailure.InvalidSecretId	Invalid key (not TencentCloud API key type).
AuthFailure.MFAFailure	MFA failure .
AuthFailure.SecretIdNotFound	The key does not exist. Check whether the key has been deleted or disabled in the console, and if not, check whether the key is correctly entered. Note that there shall be no space before or after the key.
AuthFailure.SignatureExpire	Signature expired. The timestamp and server time cannot differ by more than five minutes. Make sure that your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. The signature calculation is incorrect. Make sure that you have followed the signature calculation steps as described in the signature algorithm document in the calling method.
AuthFailure.TokenFailure	Incorrect token.
AuthFailure.UnauthorizedOperation	The request is not authorized.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	The operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect request parameter (such as parameter format and type).

InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	The IP address is in the blacklist.
IpNotInWhitelist	The IP address is not in the allowlist.
LimitExceeded	The quota limit is exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The request rate limit is exceeded.
RequestLimitExceeded.IPLimitExceeded	The IP frequency limit is exceeded.
RequestLimitExceeded.UinLimitExceeded	The frequency limit of the root account is exceeded.
RequestSizeLimitExceeded	The request packet size exceeds the limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResponseSizeLimitExceeded	The response packet size exceeds the limit.
ServiceUnavailable	The service is temporarily unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter. An undefined parameter can cause an error.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	Unsupported HTTP(S) request protocol. Only GET and POST requests are supported.
UnsupportedRegion	Unsupported region.

Business Error Codes

Error Code	Description
InternalServerError.InternalError	Internal error.
InvalidParameter.ImageSizeTooSmall	The image resolution is too low.
InvalidParameter.InvalidImageContent	Invalid image content.
InvalidParameterValue.EmptyImageContent	The image content parameter is empty.
InvalidParameterValue.ImageSizeTooSmall	The image resolution is too low.
InvalidParameterValue.InvalidContent	<code>FileContent</code> and <code>FileUrl</code> are empty.
InvalidParameterValue.InvalidDataId	Incorrect <code>DataId</code> format.
InvalidParameterValue.InvalidFileContentSize	Exceptional image file content size.
InvalidParameterValue.InvalidImageContent	Invalid image content.
InvalidParameterValue.InvalidParameter	Incorrect parameter value.
OperationDenied	The operation was denied.
ResourceUnavailable.ImageDownloadError	Image file download failed.
ResourceUnavailable.InvalidImageContent	Invalid image resource.
ResourcesSoldOut	The resources have been sold out.

Business Practices

Album Content Moderation

Last updated : 2023-12-20 17:27:27

For image content, after [activating IMS](#), you can directly call the **image moderation** API to batch recognize images in albums (such as Qzone album).

Note:

Before calling the API, make sure that the current account **has at least the access permission of IMS**.

If you cannot access the service, you will need to activate the service/check the billing information (for root account) or request the corresponding permission from the admin or root account (for sub-account/collaborator).

Step 1. Configure a task policy

We recommend you configure a task policy based on your business needs for a personalized user experience.

Note:

You can skip this step if you use the preset default policy of Tencent Cloud IMS.

The default policy is developed by TenDI based on models for multiple industries. It is suitable for most content security requirements.

Prerequisites

You already have a Tencent Cloud root account or sub-account.

The logged-in account already has the read/write permissions of IMS.

The logged-in account has activated IMS.

Directions

1. Log in to the [IMS console](#) and select **IMS > Policy Management** on the left sidebar.
2. On the **Policy Management** page, click **Create Policy** to enter the **Create Policy** page.

Content Moderation System

- Image Moderation ^
- Overview
- Data Query
- Policy Management**

Policy Management

Create Policy

Policy name

Default policy (preset) ⓘ

3. On the **Policy Configuration** page, enter the relevant information of the policy and click **Next**.

1 Basic Information >

2 Policy Configuration >

3 Custom Library

* Policy name

* Biztype name ⓘ

* Industry

Social contact ▼

* Use industry template

☐ Yes ☒ No

Next

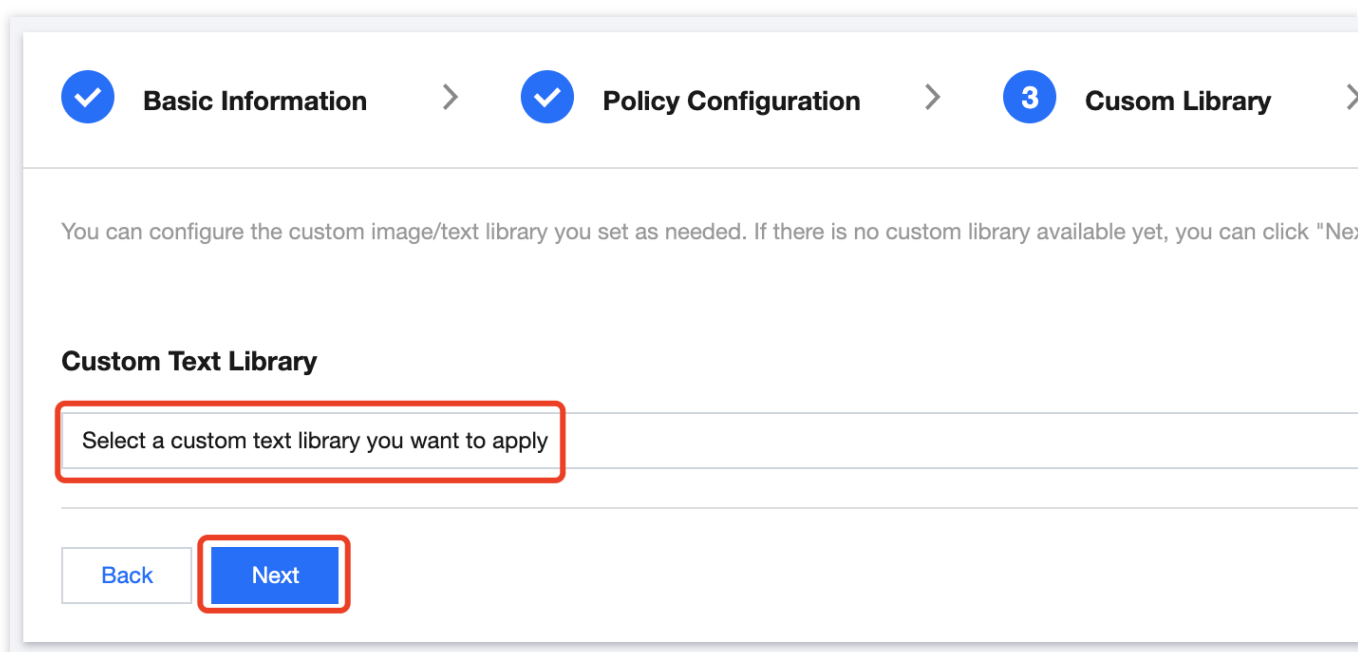
Parameter description:

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Parameter	Description
Policy Name	Text description of the policy, which can contain up to 30 letters, digits, and underscores.
Biztype Name	Specific policy number used for API calls, which can contain 3–32 letters, digits, and underscores and must be unique.
Associated Service Template	Not required currently.
Industry Category	Category of the industry scenario involved in the policy.
Use Industry Template	It will be displayed only when Industry Category is set. You can select whether to use Tencent Cloud's preset industry templates for moderation.

4. On the **Recognition Policy Configuration** page, select whether to moderate different types of content based on your business needs and click **Next**.

5. On the **Custom Library Configuration** page, select a custom dictionary for content moderation in the **Custom Dictionary** drop-down list. If there are no custom libraries, you can click **Next** or save the current policy and go to [Step 2. Configure a custom dictionary](#).



✓ Basic Information > ✓ Policy Configuration > 3 Custom Library >

You can configure the custom image/text library you set as needed. If there is no custom library available yet, you can click "Ne


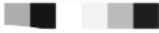
Custom Text Library

Select a custom text library you want to apply

Back Next

6. On the **Creation Completion** page, you can view the policy configuration information. After confirming it, click **Complete**.

7. The policy just created will be displayed in the list on the right of the **Policy Management** page.

Policy name	Biztype name ⓘ	Industry
Default policy (preset) ⓘ	-	-
		Social contact-Regi information-Nicknar

Step 2. Configure a custom dictionary

You can configure a custom dictionary to recognize whether images contain non-compliant text.

Note:

You can skip this step if you don't need to configure a custom dictionary.

Prerequisites

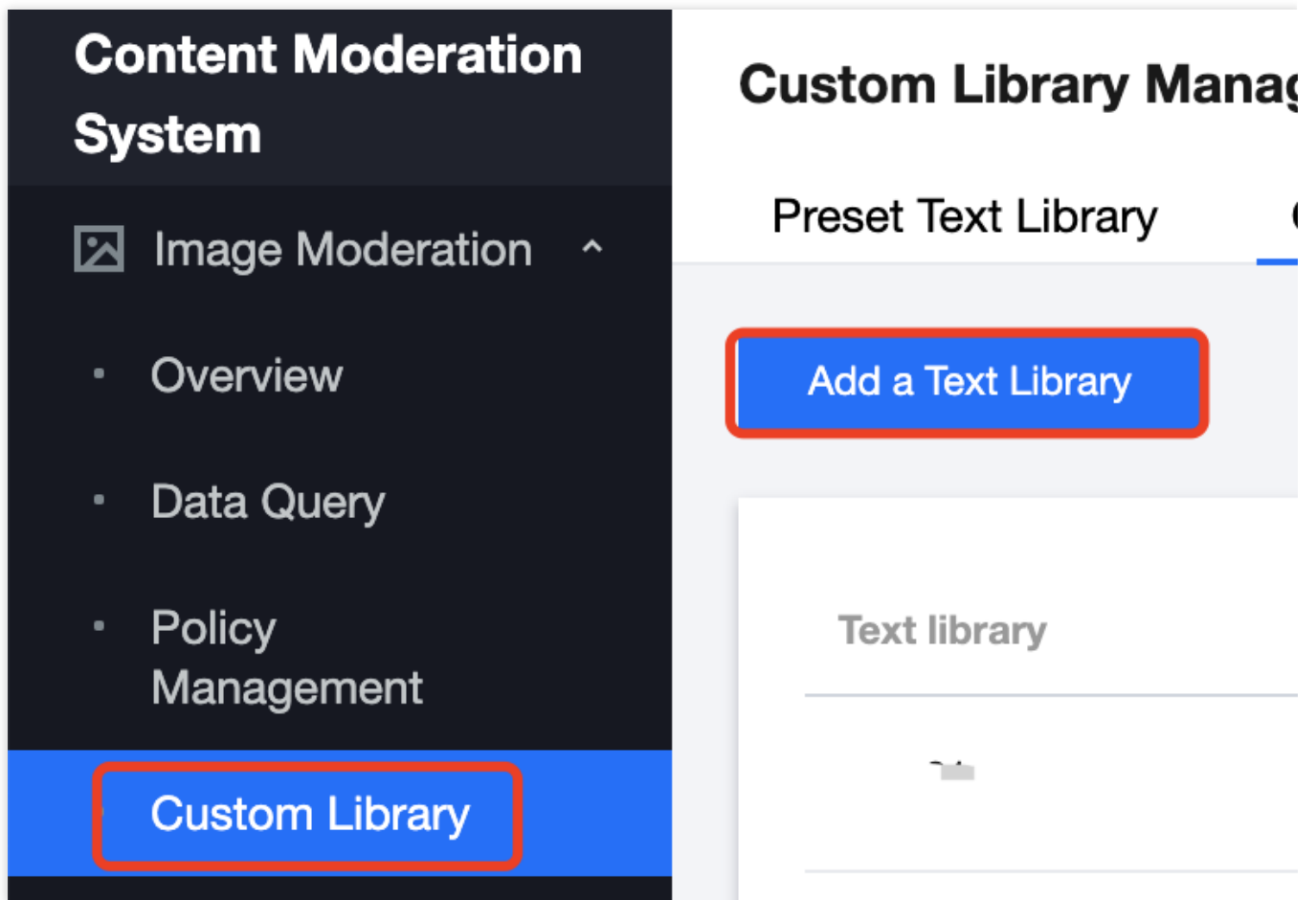
You already have a Tencent Cloud root account or sub-account.

The logged-in account already has the read/write permissions of IMS.

The logged-in account has activated IMS.

Directions

1. Log in to the [IMS console](#) and select **IMS > Custom Library Management > Custom Dictionary** on the left sidebar.
2. On the **Custom Dictionary** page, click **Add Dictionary** to pop up the **Create Dictionary** window.



3. In the **Create Dictionary** pop-up window, configure a custom library based on your business needs.

Create a Text Library

* Text library

Enter the text library name

Moderation suggestion ⓘ



Block



Review

Matching mode



Exact matching ⓘ



Fuzzy

OK

Cancel

Parameter description:

Parameter	Description
Dictionary Name	Text description of the dictionary, which can contain up to 32 letters, digits, and underscores.
Handling Suggestion	You can select Non-compliant or Suspected . Non-compliant: the information is identified as non-compliant information Suspected: the information may be non-compliant and requires manual moderation
Match Mode	You can select Exact match or Fuzzy match . Exact match: it exactly matches the entered text Fuzzy match: it detects variants of the entered keyword to fuzzily match similar words such as split words, homographs, homophones, upper and lower cases, and numbers in words

4. Click **OK**.

5. The dictionary just created will be displayed in the list below the **Custom Dictionary** tab.



Note:

Different colors in a custom dictionary represent different blocking logics, where red represents "non-compliant", and orange represents "suspected".

Preset Text Library

Custom Text Library

Add a Text Library



Text library	Moderation sugges... ▼	Matching mode
	Review	Exact matching
	Block	Exact matching

Total items: 2

6. On the **Custom Dictionary** page, select the dictionary just created and click **Manage** in the **Operation** column to enter the dictionary management page.

Add a Text Library

Text lib

Text library	Moderation sugges... ▼	Matching mode ▼	Associated policy	Last modified
	Block	Exact matching		2022-01-10 10:10:10

7. On the dictionary management page, click **Add Sample**, select the handling suggestion, enter keywords, and click **OK**.

Add Samples

Moderation suggestion *

Please select a content category ▼

Keyword *

Press 'Enter' key to separate multiple keywords in newlines. Up to 50 time

1. One keyword per line; up to 100 chars per keyword
2. Paste multiple keywords (up to 500) to add them in a batch
3. You can add up to 2,000 keywords to the library.

OK

Cancel

Parameter description:

Parameter	Description
Handling Suggestion	Violation type that corresponds to the recognition model.
Keyword	Keywords are separated by line breaks, and each keyword can contain up to 20 letters. You can add up to 500 keywords at a time. You can add up to 2,000 keywords in total.

Note:

After configuring the custom dictionary, you can associate it with the policy created in [Step 1. Configure a task policy](#).

Step 3. Create a task and get the recognition result

After completing the above steps, you can call the **image moderation** API to create an album moderation task as instructed below:

Make sure that the images meet the [file format requirements](#) of the API.

Enter the input parameters as instructed in the [API documentation](#).

If the task is created successfully, the API will return the detailed recognition result, and you can refer to [Image Content Recognition Sample](#) for more information on sample response parameters. If task creation failed, the API will return an error code, and you can refer to [Business Error Codes](#) and [Common Error Codes](#) for troubleshooting.

Note:

When connecting to the service, you can use **API Explorer** for online debugging.

Relevant Documents

Best practices for recognizing audio stream content (such as game live streaming, radio, and voice chat).

Best practices for batch recognizing video stream content (such as live room and video conferencing).

Best practices for recognizing forum comments (such as shopping website reviews, community replies, and video comments). For more information, see [Forum Comment Moderation](#).