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.
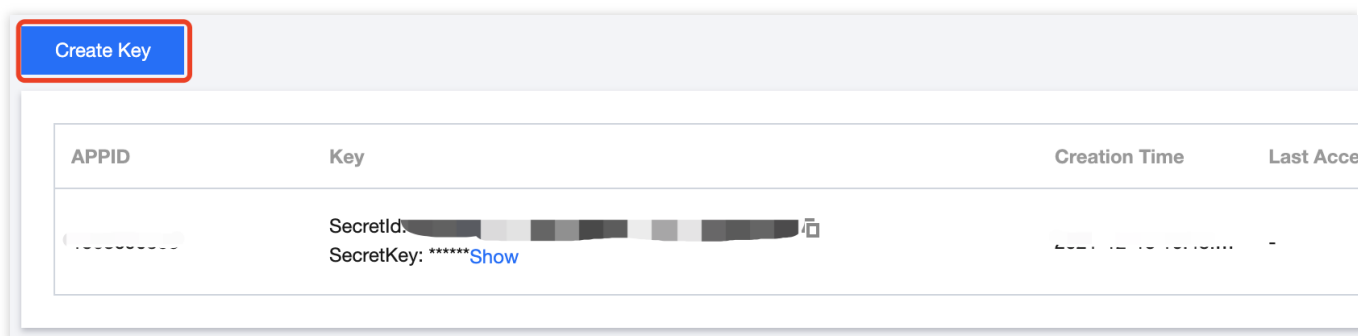
Configuring in Console

Activating service

Log in to the IMS console and click **Activate Now**.
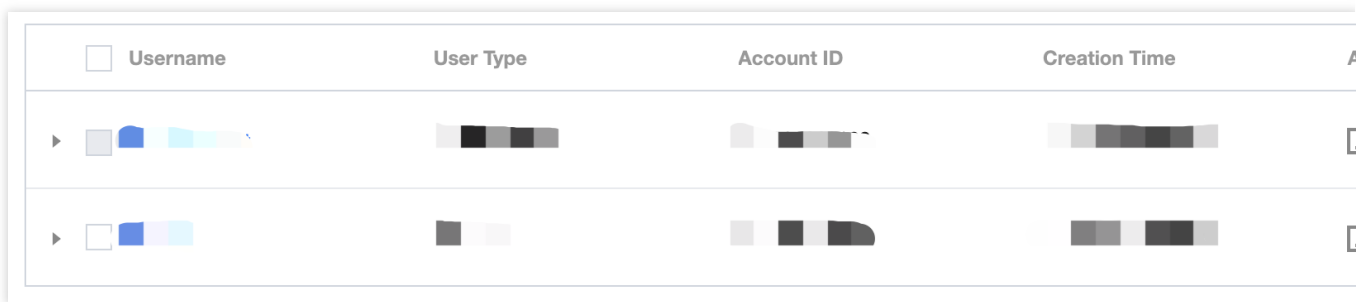
Configuring permission

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.

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

Associate Policy

Select Policies (1 Total)   1 selected

| QcloudIMSFullAccess | ⊗ Q |

Policy Name	Policy type ▽
☑ 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
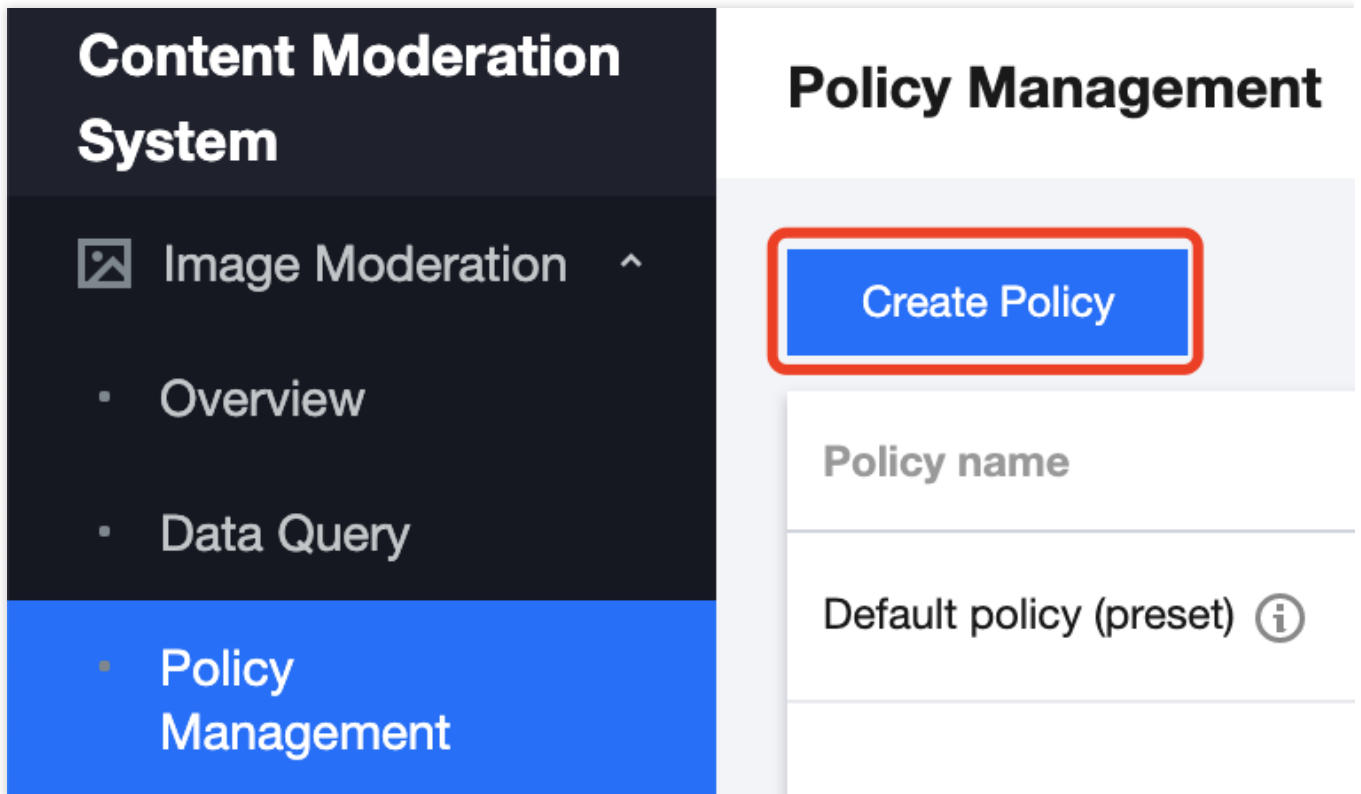
[Confirm]   [Cancel]

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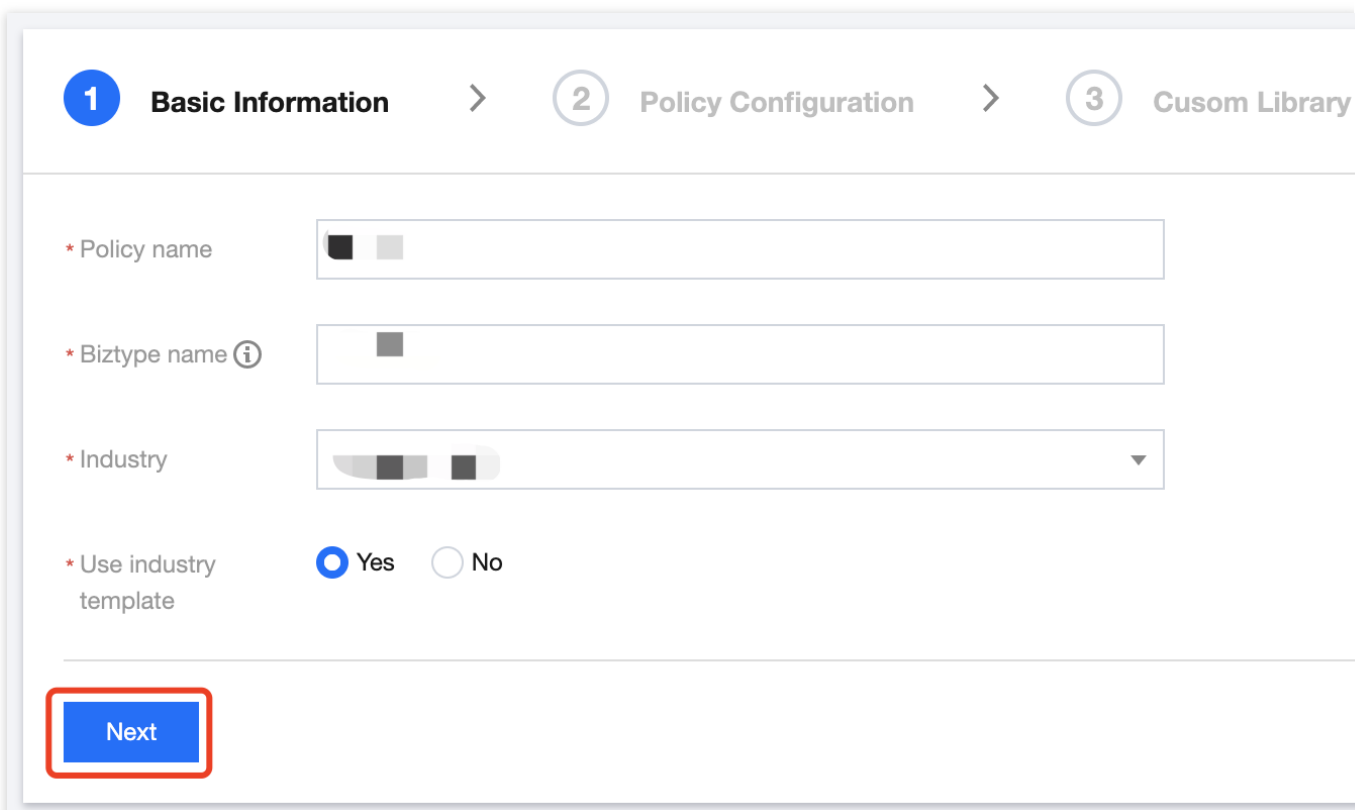
3. Enter the policy information based on your business scenario, reserve the `Biztype` field as an API input parameter, and click **Next**.

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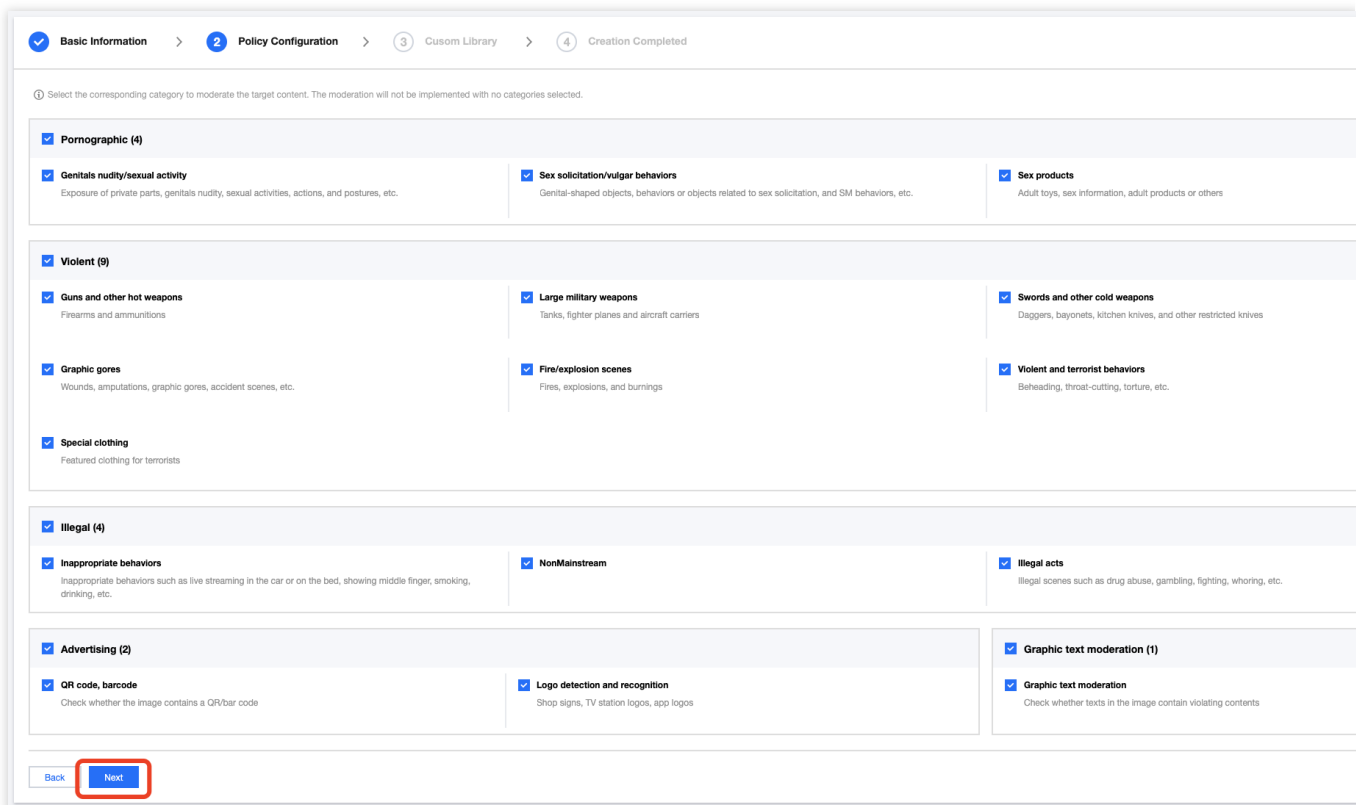
5. If you want to recognize specific text content in images, you can associate a custom dictionary in the drop-down list and click **Next**.

Note:

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

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.

Tencent Cloud

✓ **Basic Information** ＞ ✓ **Policy Configuration** ＞ ✓ **Cusom Library** ＞ 4 Creatio

Basic Information

Policy name

Biztype name

Industry

Policy Configuration

Image moderation policy

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` :
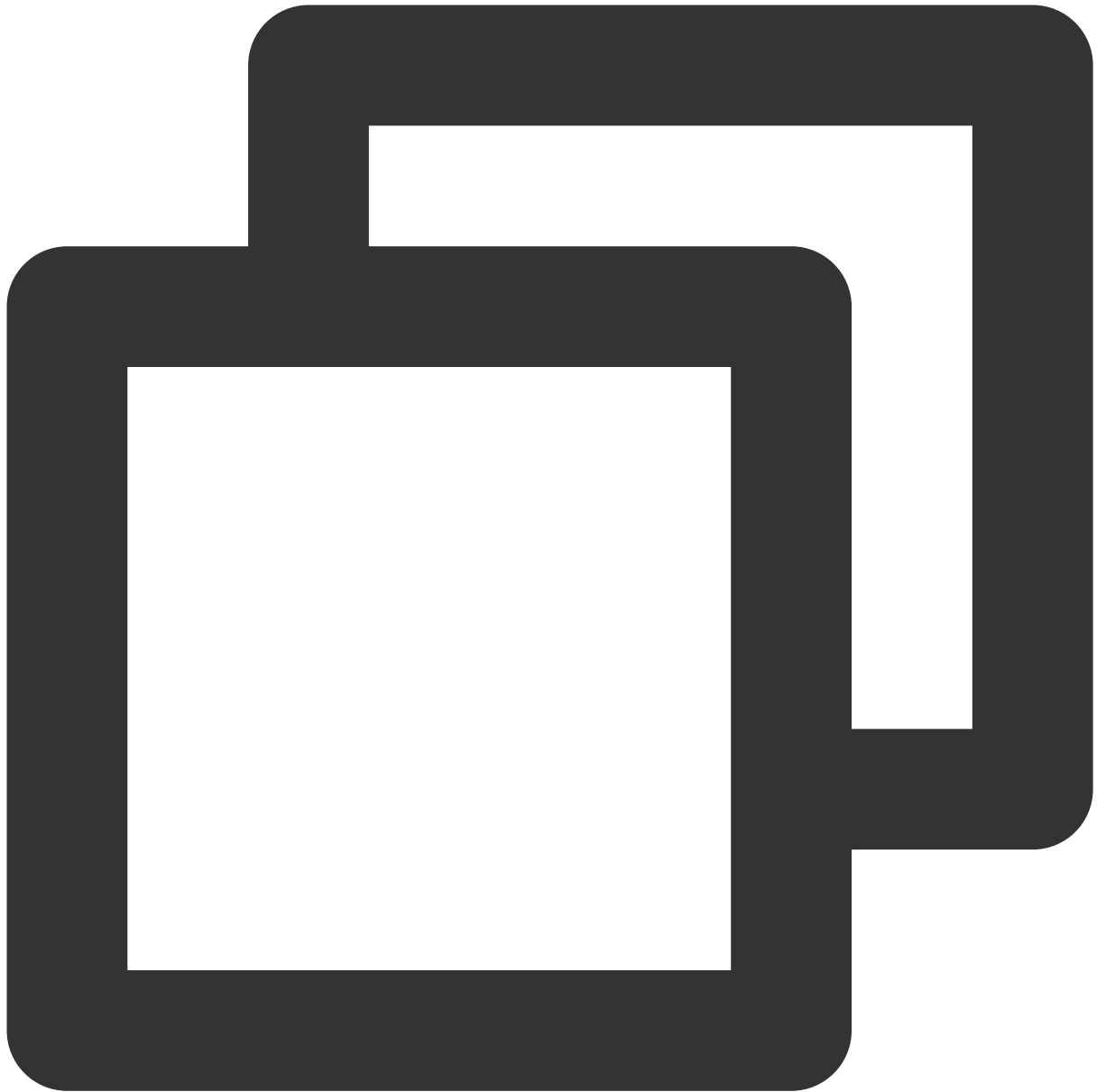
```
<dependency>
    <groupId>com.tencentcloudapi</groupId>
    <artifactId>tencentcloud-sdk-java</artifactId>
    <!-- go to https://search.maven.org/search?q=tencentcloud-sdk-java and get the
    <!-- Query the latest version at https://search.maven.org/search?q=tencentclou
    <version>3.1.322</version>
</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>
```
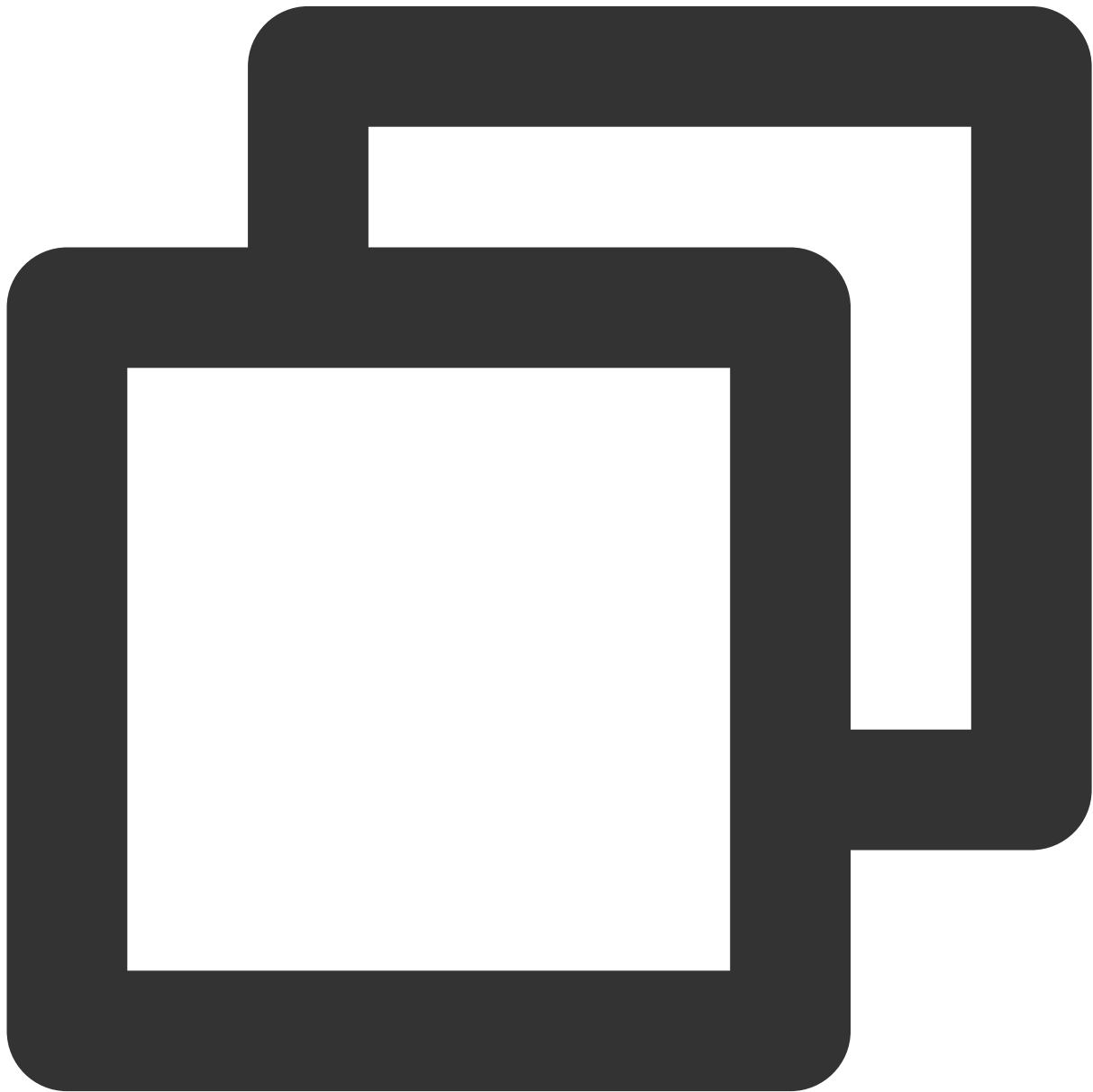
```
      <id>tencent</id>
      <name>tencent maven mirror</name>
      <url>https://mirrors.tencent.com/nexus/repository/maven-public/</url>
      <mirrorOf>*</mirrorOf>
   </mirror>
```

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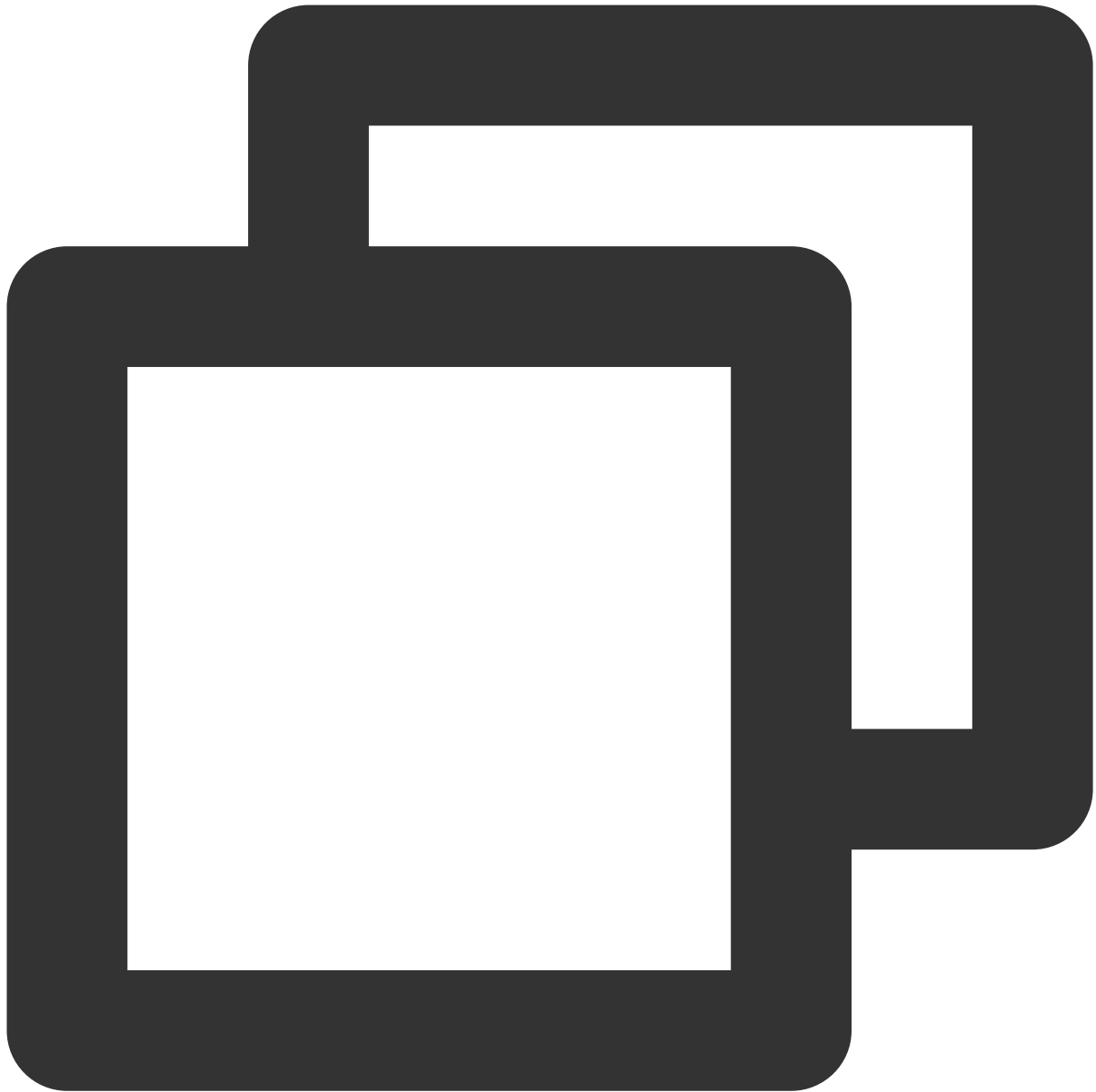
```
import com.tencentcloudapi.common.Credential;
import com.tencentcloudapi.common.profile.ClientProfile;
import com.tencentcloudapi.common.profile.HttpProfile;
import com.tencentcloudapi.common.exception.TencentCloudSDKException;
import com.tencentcloudapi.ims.v20201229.ImsClient;
import com.tencentcloudapi.ims.v20201229.models.*;

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

```java
        // Instantiate an authentication object. Pass in `secretId` and `secret
        // You can get them by visiting https://console.intl.cloud.tencent.com/
        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 requiremen
        ClientProfile clientProfile = new ClientProfile();
        clientProfile.setHttpProfile(httpProfile);
        // Instantiate the client object of the requested product. `clientProfi
        ImsClient client = new ImsClient(cred, "ap-guangzhou", clientProfile);
        // Instantiate a request object. Each API corresponds to a request obje
        ImageModerationRequest req = new ImageModerationRequest();

        // The returned `resp` is an instance of `ImageModerationResponse` whic
        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:
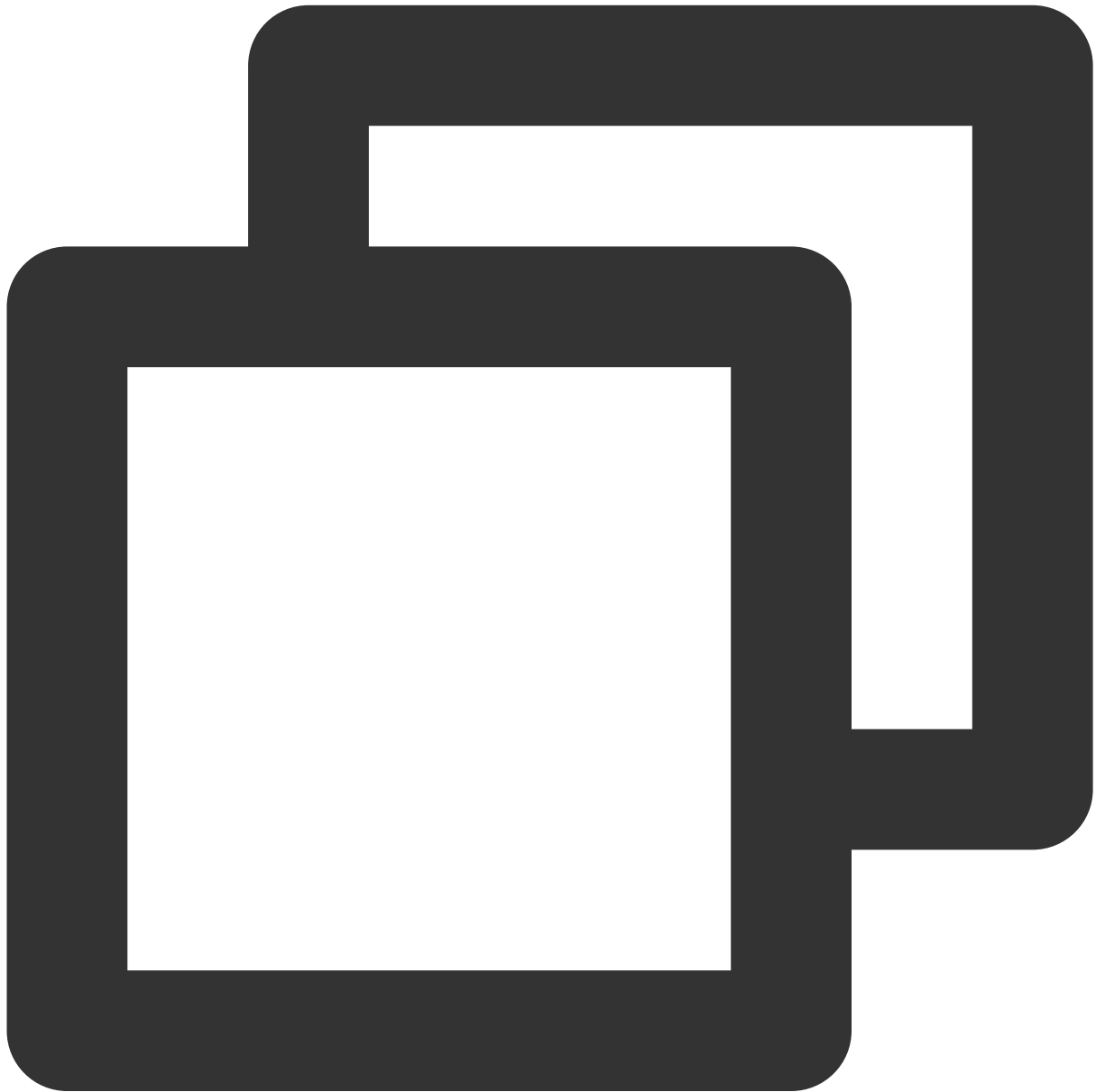
```
$ cd tencentcloud-sdk-python
$ python setup.py install
```

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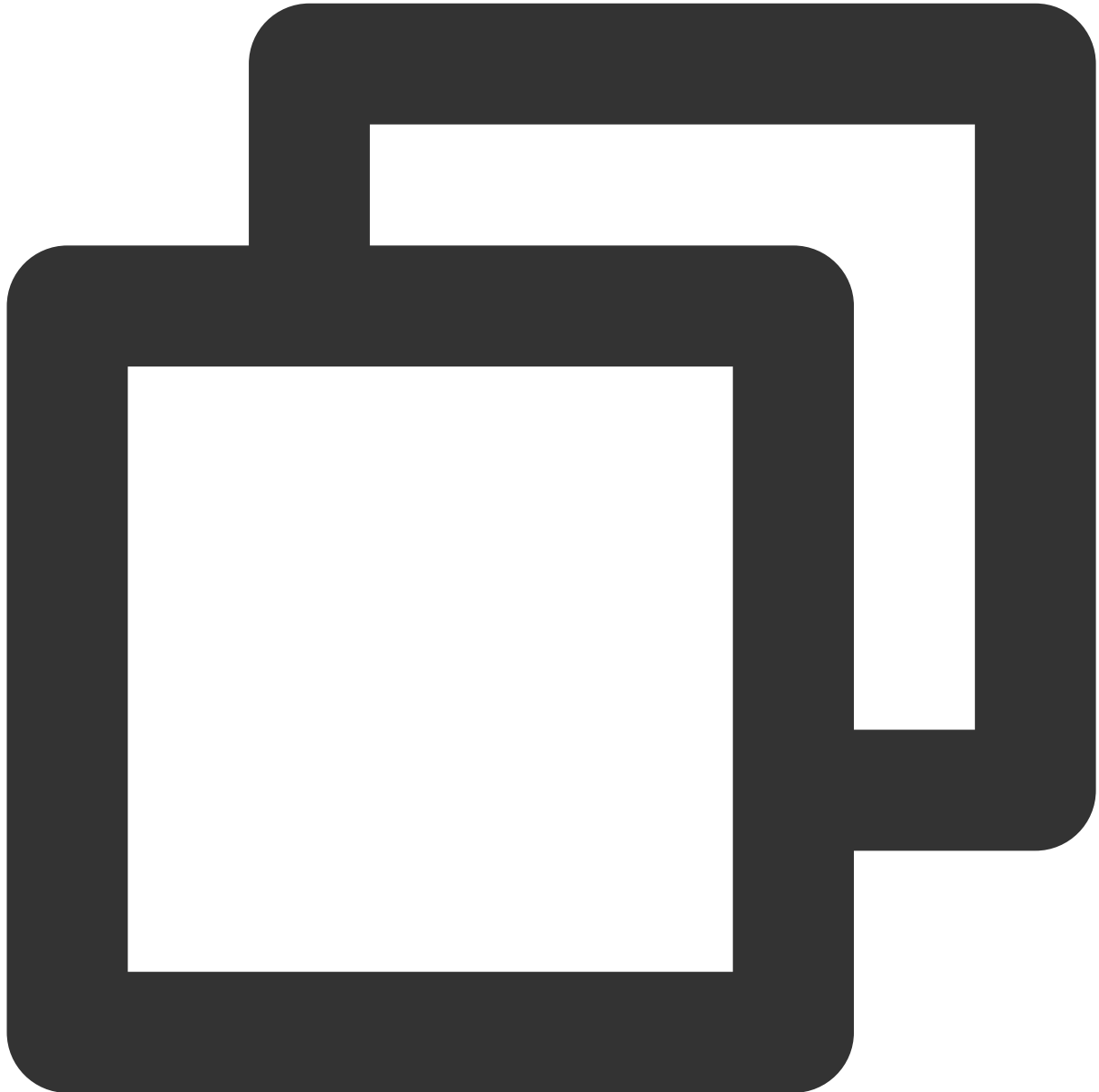
```
import json from tencentcloud.common
import credential from tencentcloud.common.profile.client_profile
import ClientProfile from tencentcloud.common.profile.http_profile
import HttpProfile from tencentcloud.common.exception.tencent_cloud_sdk_exception
import TencentCloudSDKException from tencentcloud.ims.v20201229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

```
import ims_client, models
try: cred = credential.Credential("SecretId", "SecretKey") 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:
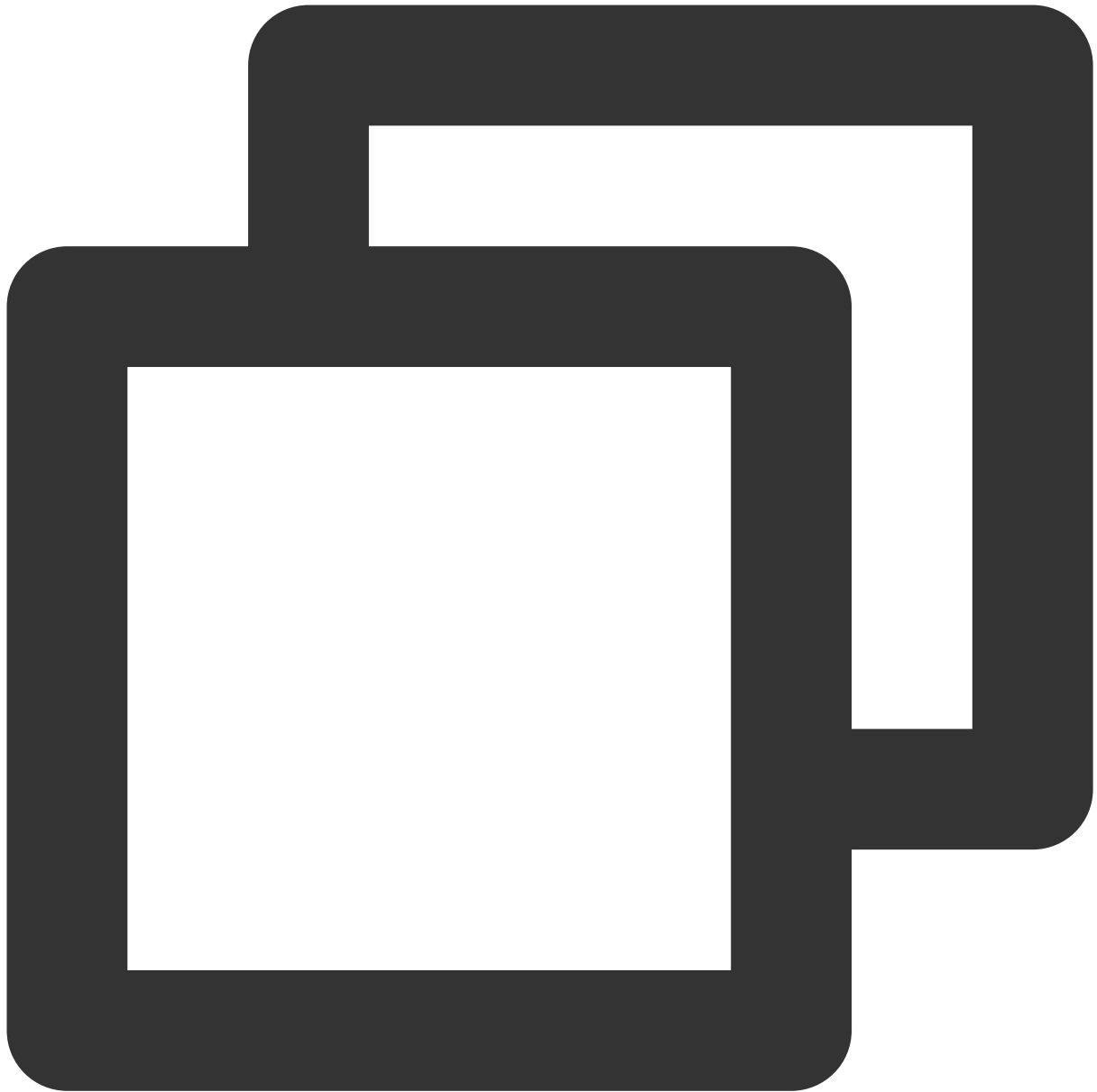
```
curl -sS https://getcomposer.org/installer | php
sudo mv composer.phar /usr/local/bin/composer
```

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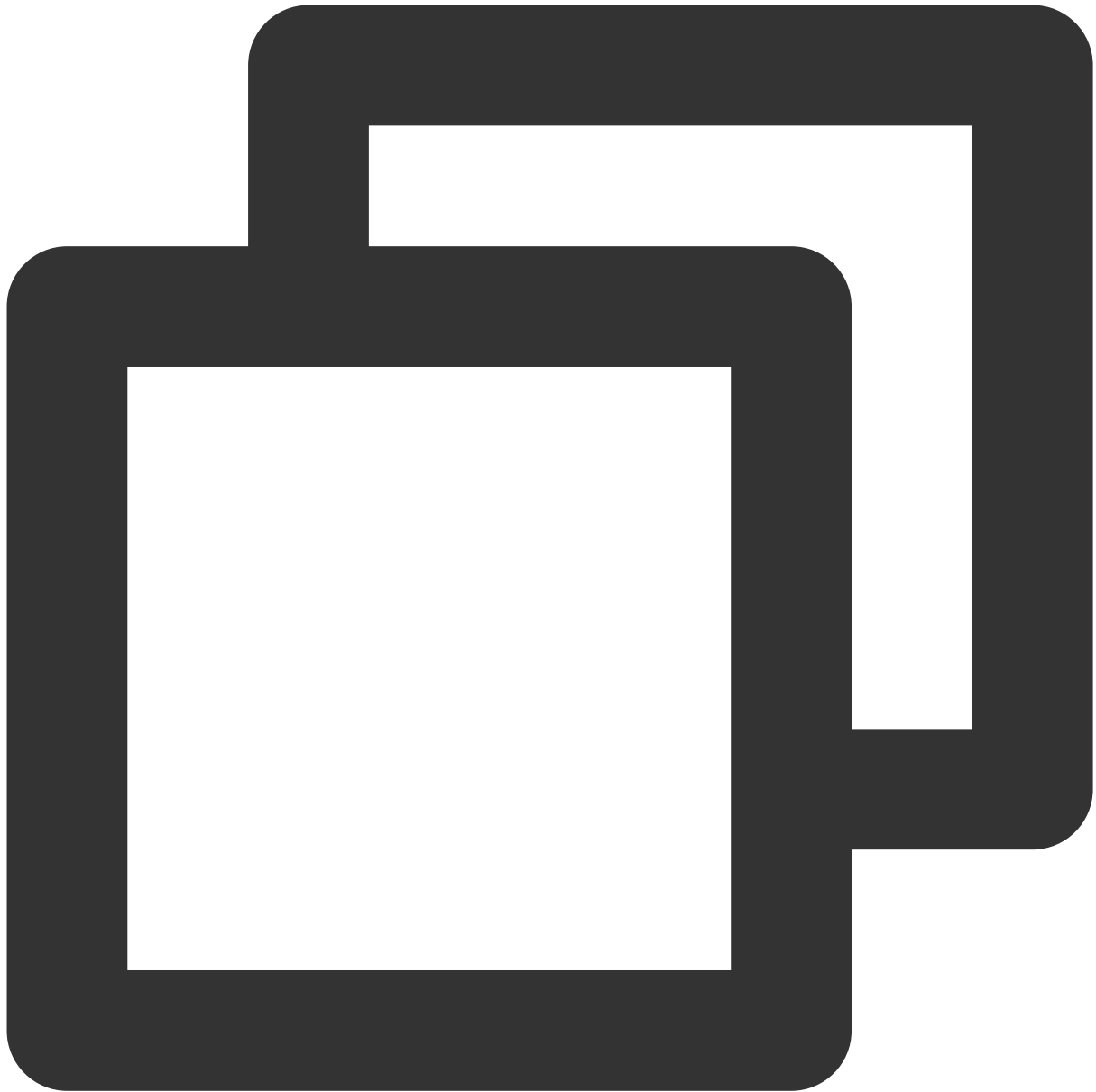
```
composer config -g repos.packagist composer
https://mirrors.tencent.com/composer/
```

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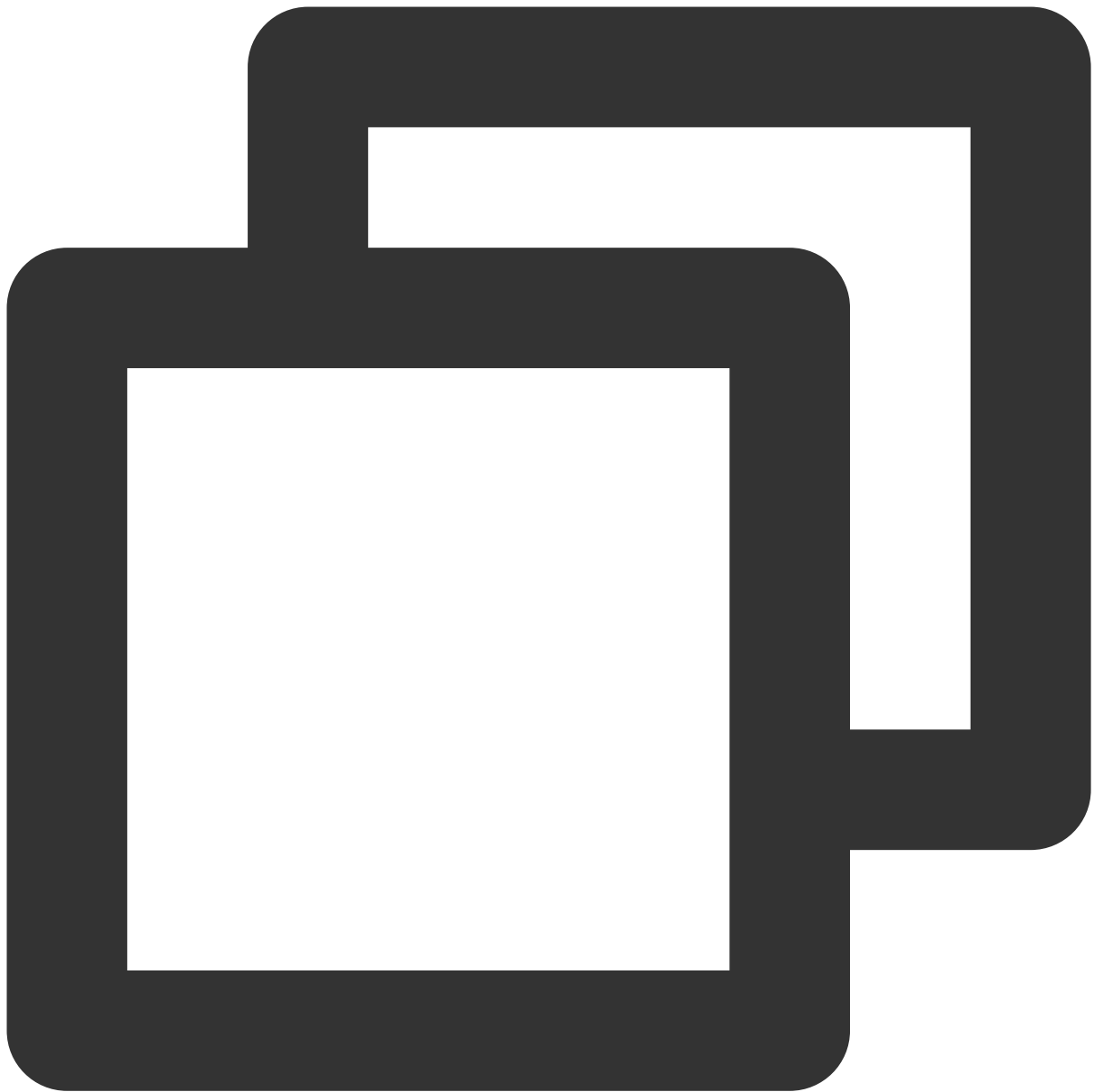
```
composer require tencentcloud/tencentcloud-sdk-php
```

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
< ? 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	`export GOPROXY=https://mirrors.tencent.com/go/`
Windows	`set GOPROXY=https://mirrors.tencent.com/go/`

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	go get -v -u github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/common

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

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") f
    credential: = common.NewCredential("SecretId", "SecretKey", ) cpf: = profile.Ne
    client,
    _: = 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())
}
```
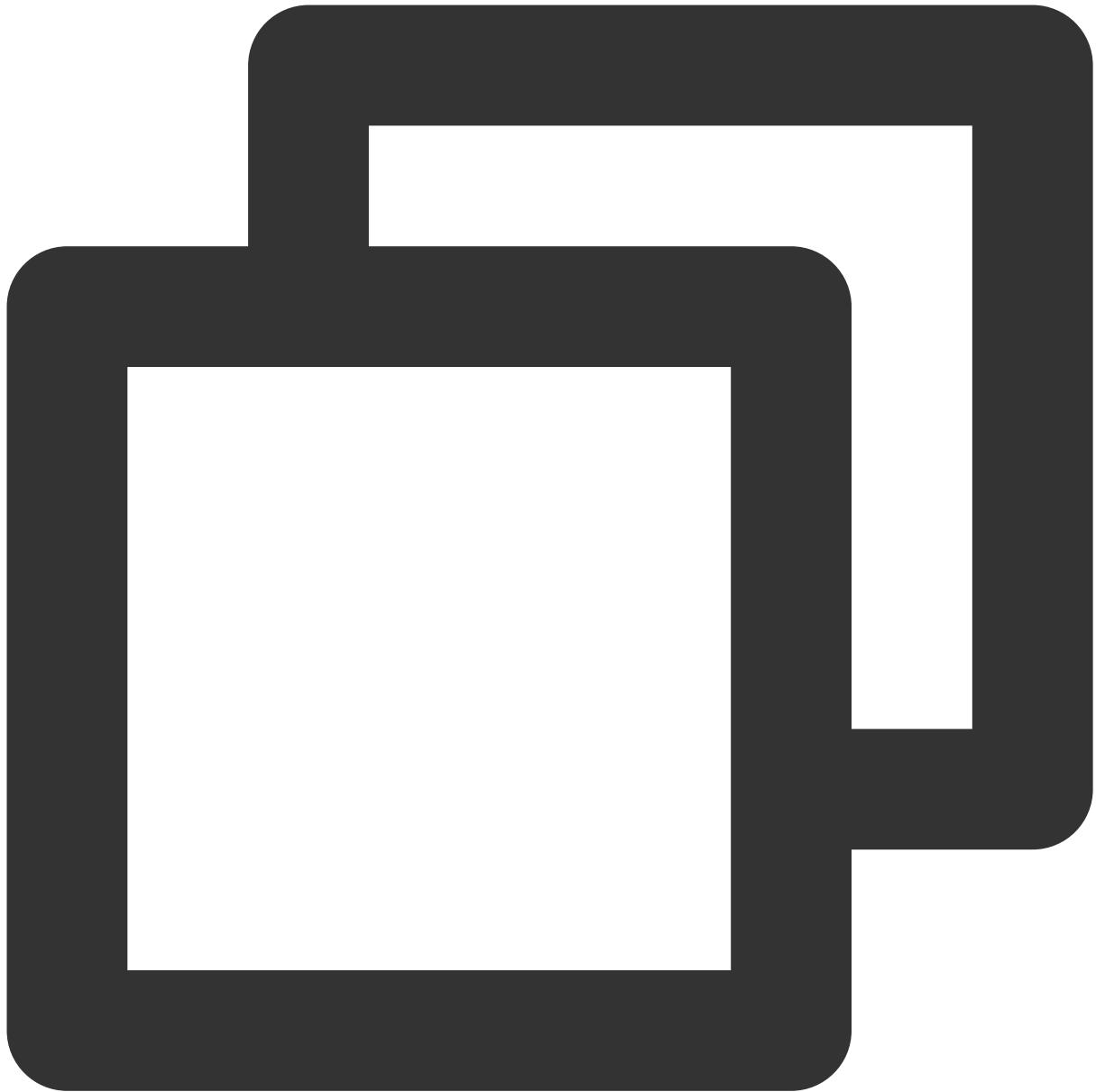
Verification After Connection

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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:

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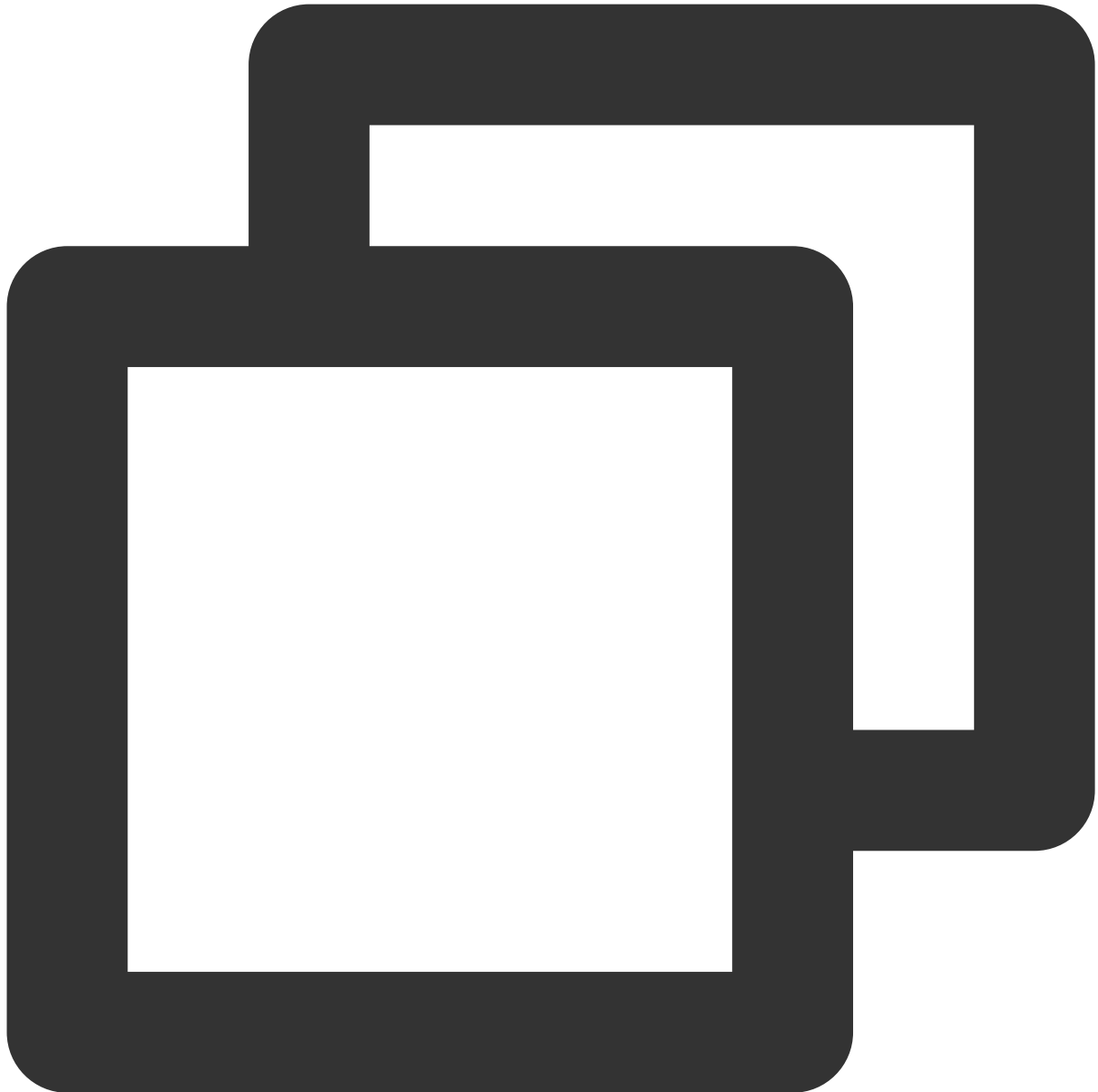
```
{
    "Response": {
        "Error": {
            "Code": "AuthFailure.SignatureFailure",
            "Message": "The provided credentials could not be validated. Please che
        },
        "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
    }
```

```
    }
```

`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 `Authorization` 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 blocklist.
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
InternalError.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	`FileContent` and `FileUrl` are empty.
InvalidParameterValue.InvalidDataId	Incorrect `DataId` 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

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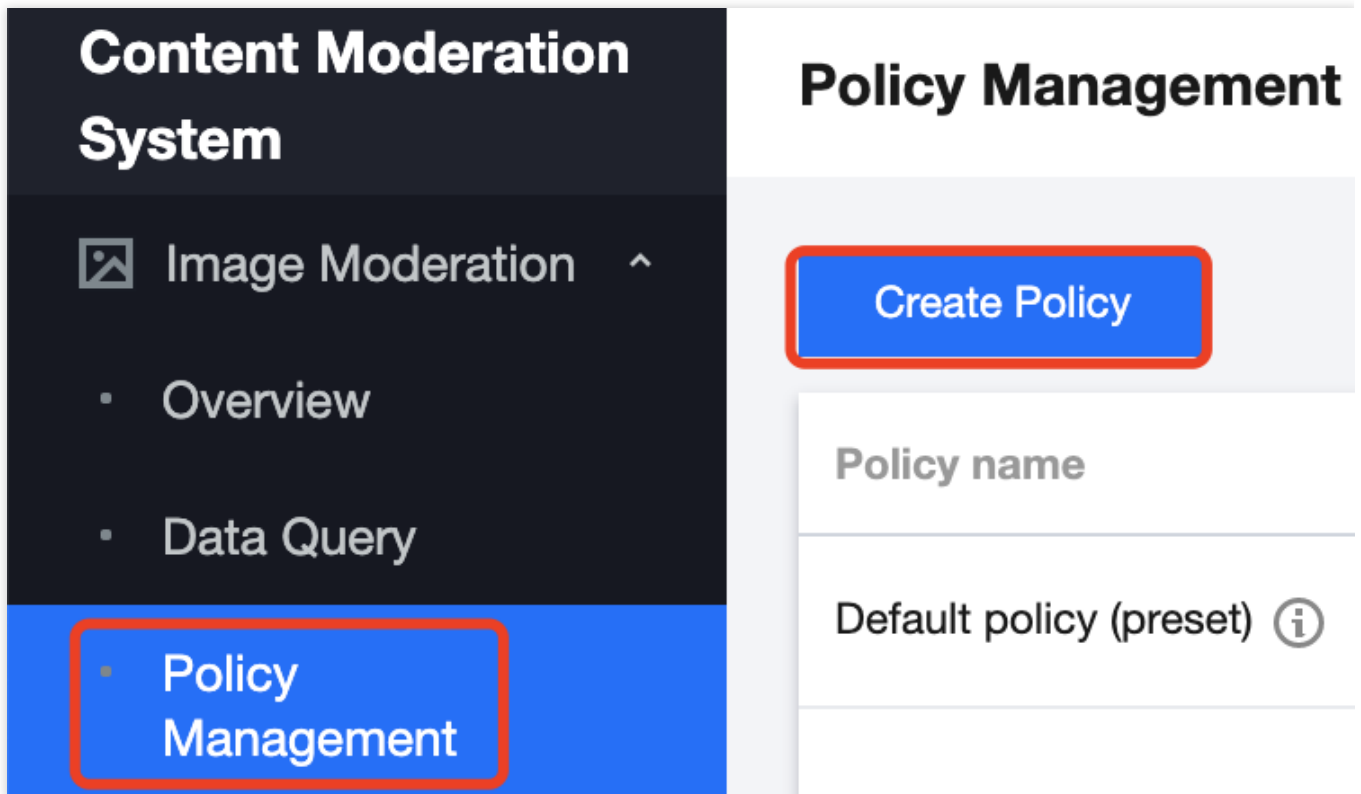
You already have a Tencent Cloud root account or sub-account.

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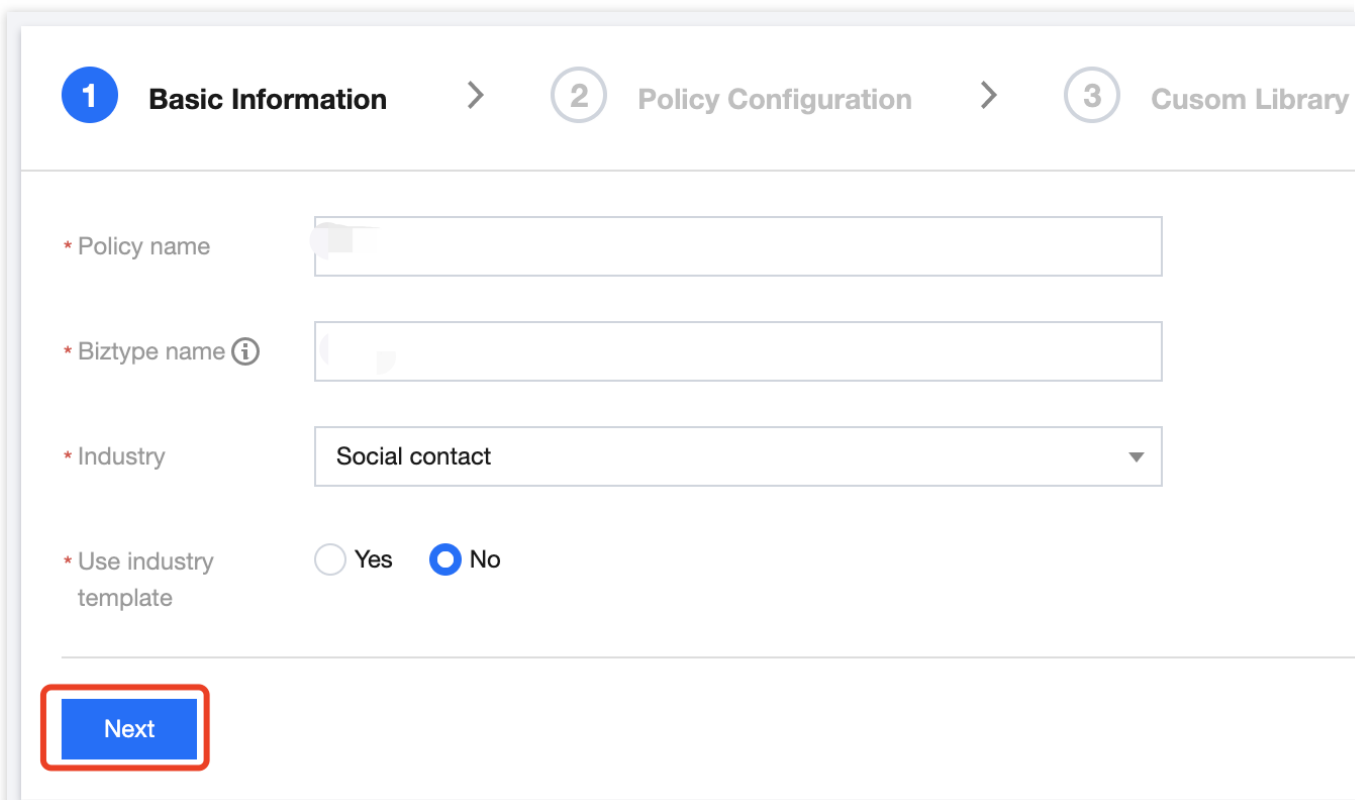
3. On the **Policy Configuration** page, enter the relevant information of the policy and click **Next**.

Parameter description:

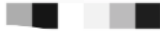| Parameter	Description
Policy Name	Text description of the policy, which can contain up to 30 letters, digits, and underscores.
Biztype Name	Specific policy number used for API calls, which can contain 3–32 letters, digits, and underscores and must be unique.
Associated Service Template	Not required 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. 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.

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-Regis 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.

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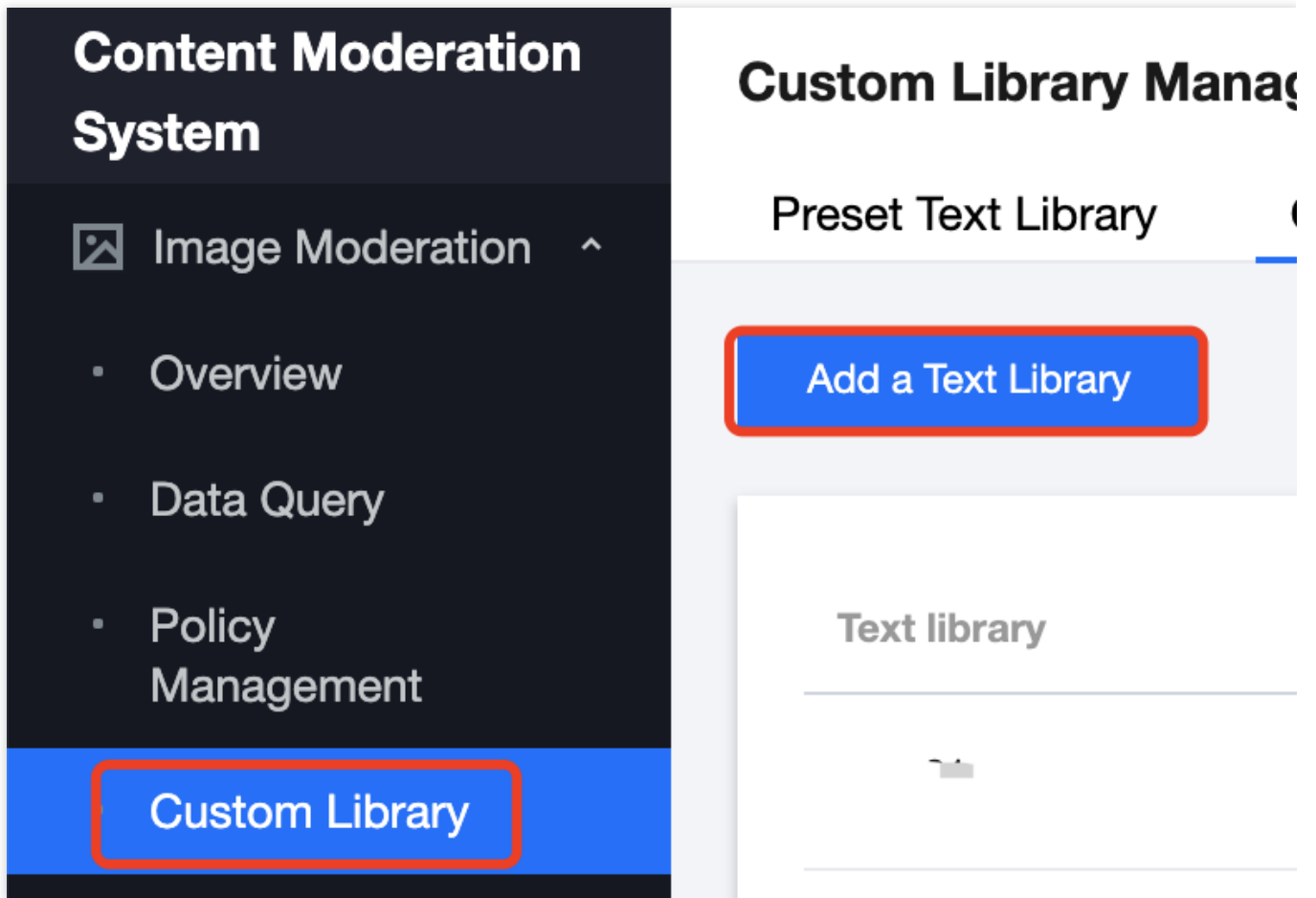
3. In the **Create Dictionary** pop-up window, configure a custom library based on your business needs.

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".

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

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 categor ▼

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.