

Image Recognition

FAQs

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1 APIs

1.1 How Do I Use Image Recognition APIs?

You can send a request based on constructed request messages using any of the following three methods:

- cURL
cURL is a command-line tool used to perform URL operations and transfer files. It serves as the HTTP client that can send HTTP requests to the HTTP server and receive response messages. cURL is suitable for use in API tuning scenarios. For more information about cURL, visit <https://curl.haxx.se/>.
- Code
You can call APIs through code to assemble, send, and process request messages.
- REST client
Both Mozilla Firefox and Google Chrome provide a graphical browser plug-in, that is, REST client, to send and process requests.
 - For Mozilla Firefox, see [Firefox RESTClient](#).
 - For Google Chrome, see [Postman](#).

1.2 What Should I Do When I Fail to Call an Image Recognition API/SDK?

Fault Locating

1. Check whether your account is in arrears. If the account balance is insufficient, top up the account. For details, see [Topping Up an Account](#).
2. When creating and calling an OBS bucket, ensure that the OBS bucket and Image Recognition are in the same region. For example, **CN North-Beijing4**. For details, see [Regions and Endpoints](#).
3. Find the cause based on the returned result or error code. For details, see [Error Codes](#).

4. Check whether AK and SK have been obtained. For details about how to obtain them, see [Obtaining the AK/SK](#).
5. Check whether the token has been correctly entered or expired.
6. Check whether the API calling method is correct. For details, see [Image Recognition API Reference](#).

Support Contact

If the fault fails to be located and rectified, [submit a service ticket](#) to reach technical support.

1.3 What Can I Do if the Request for Calling an API Times Out?

The API response time depends on the image download time. If the image download takes a long time, the API call will fail.

1. Ensure that the network bandwidth meets the download rate requirements during peak hours.
2. Ensure that the storage service where the image to be detected resides is stable and reliable. You are advised to use HUAWEI CLOUD OBS.

1.4 What Are the Constraints on Concurrent API Calls?

Image Tagging: By default, the maximum number of concurrent API calls is 5.

Celebrity Recognition: By default, the maximum number of concurrent API calls is 5.

Recapture Detection: By default, the maximum number of concurrent API calls is 1.

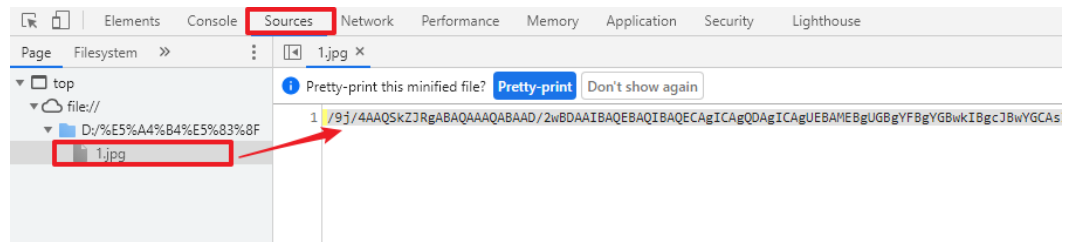
You can submit a [service ticket](#) to increase concurrency when necessary.

1.5 How Do I Obtain the Base64 Code for an Image?

The input parameter **Image** of Image Recognition is a Base64 code of the image. This section describes how to use the Google Chrome browser to obtain the Base64 code of an image.

1. Open Google Chrome and drag an image file to it. The image is displayed on the browser.
2. Press **F12**, click **Sources**, and select the image file from the navigation pane on the left. The Base64 code of the image is displayed in the right pane.

Figure 1-1 Base64-encoded image



3. Double-click the Base64 code of the image, press **Ctrl+A** to select all text of the code, and press **Ctrl+C** to copy it. Do not copy the code by right-clicking it because in that way, some text may be missing.

2 Error Codes

2.1 What Should I Do If Error Code "ModelArts.4204" Is Displayed During Service Calling?

If an error occurs during API calling, the error code and error information in the returned message body are as follows:

```
{
  "error_code": "ModelArts.4204",
  "error_msg": "Request api error! The API is not subscribed."
}
```

You have not subscribed to Image Recognition in this region. Enable Image Recognition before using it.

For details about other error codes and error information, see [Error Codes](#). If you cannot find the error cause, contact HUAWEI CLOUD customer service and provide the error code to help you rectify the fault as soon as possible.

3 Monitoring

3.1 Why Is the Actual Number of API Calls Inconsistent with the Record Displayed on the Management Console?

The management console records only the total number of calls. To check the number of successful and failed calls, perform the following steps:

1. Log in to the HUAWEI CLOUD product page and click **Console** in the upper right corner. The **Console** page is displayed.
2. Click **Service List** and choose **EI Enterprise Intelligence > Image Recognition**. The **Image Recognition** management console is displayed.
3. In the left navigation pane, click the target service, for example, **Image Tagging**. Click **View Metric** to go to the Cloud Eye console and view detailed service usage such as the number of successful or failed API calls.

4 Billing

4.1 Will I Be Charged for Reading Images from OBS?

1. If the OBS bucket and the API server of the invoked service are in the same region, reading images from the OBS bucket does not consume traffic or incur fees.
2. If the OBS bucket and the API server of the invoked service are not in the same region, for example, the OBS bucket is in the CN East-Shanghai1 region and the Image Tagging API server is deployed in the CN North-Beijing1 region, reading images from the OBS bucket will consume traffic and incur fees.

5 Others

5.1 What Is a Region and AZ?

A region and availability zone (AZ) identify the location of a data center. You can create resources in a specific region and AZ.

For details about the region and AZ, see [Region and AZ](#).