Face ID

Getting Started

Product Documentation

Contents

Getting Started Process Guide

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This document describes relevant operations and provides documentation links to help you better use Tencent Cloud FaceID.

Access Process

Step 1. Sign up and log in

Log in to Tencent Cloud official website. If you do not have an account yet, please sign up as instructed in Signing up for a Tencent Cloud Account.

Step 2. Apply for the service

Log in to the FaceID Console to activate the service.

Step 3. Use the service

We recommend using the API 3.0 Explorer for online call, signature verification, SDK code generation, quick API search and more, which significantly reduces the difficulty in using TencentCloud API 3.0. You can use API 3.0 Explorer to generate **server SDKs** and use them with the compiled Tencent Cloud SDKs to quickly call the FaceID service. The server SDKs are available in multiple programming languages, such as Python, Java, PHP, Go, Node.js, .NET, etc. You can download the corresponding SDK in the documentation of each service or get it from the SDK Center.

FaceID also provides a "Quick API Run" tutorial to help you debug and test the service.

Step 4. View calls

For more information on FaceID billing and payment modes, please see Purchase Guide.

You can log in to the FaceID Console to view service call details.

Quick API Run

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Operation Scenarios

This document describes how to call Tencent Cloud FaceID APIs through API 3.0 Explorer and integrate SDKs in the corresponding programming language into your project after you purchase the FaceID service. You can access FaceID APIs quickly in the following steps.

Prerequisites

Enter API 3.0 Explorer to call APIs in the following steps.

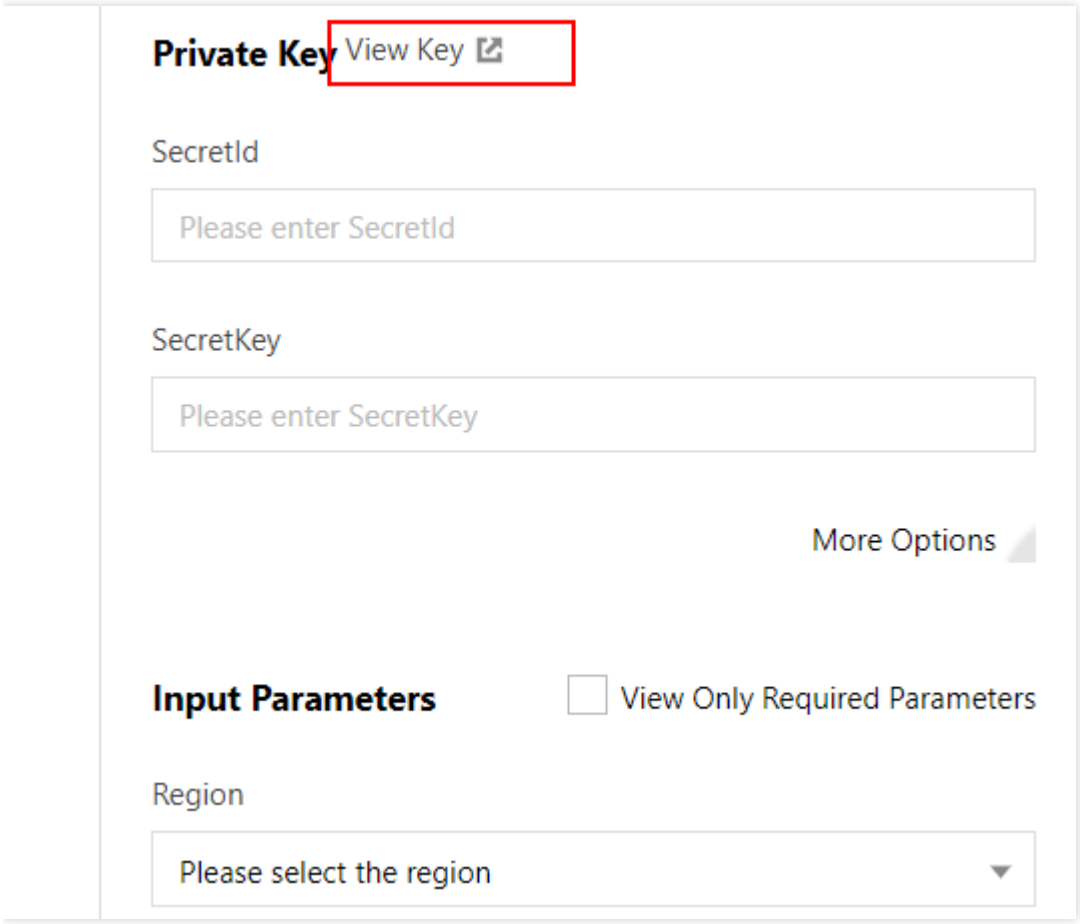
Directions

Step 1

Select the CompareFace API on the left sidebar.

Step 2

Enter your private key information and required parameters.



- Region: region information in the domain name that determines the access point. For example, `faceid.ap-shanghai.tencentcloudapi.com` indicates that Shanghai is the access point. The common parameter `Region` specifies the region of business resources to be accessed; for example, `Region=ap-beijing` indicates resources in the Beijing region will be accessed. If the region information is not specified in the domain name, nearby access will be enabled by default, which may cause problems. If an IP cannot be resolved, Guangzhou region will be used by default. The region for the domain name and the common parameter `Region` can be different, but this may increase access latency. We recommend using the same region for the domain name and the common parameter `Region`, such as South China (Guangzhou)/ap-guangzhou.
- RuleId: used to specify use cases. After your apply to activate the service, you can create RuleId through the FaceID Console and call it after your application is approved. If you have any questions, please contact the FaceID WeChat assistant (account: faceid001).

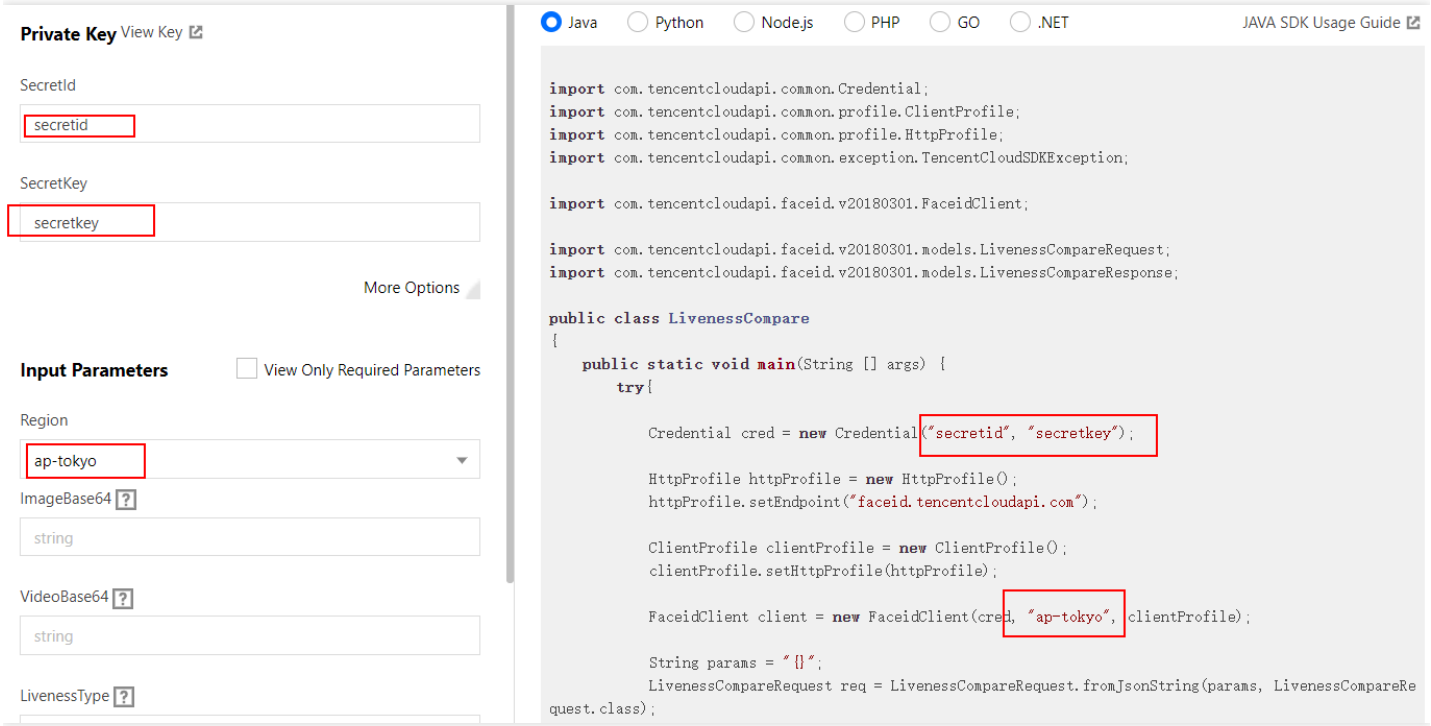
Step 3

Select the programming language to generate codes.
Enter the parameters on the left to generate codes. Part of the field information in the generated

code is subject to the entered content. To adjust an input parameter, modify its value on the left and generate the code again.

Step 4

Integrate the SDK into the project.
Integrate the SDK into the project as instructed in the usage guide on the upper right-hand corner. You can call the corresponding API using the code generated in [step 3](#Step 3).



Notes

- You only need to focus on the `Region` field in common parameters when using SDKs to make calls. We recommend using `ap-guangzhou` for both the domain name and `Region`.
- Address for generating `SecretId` / `SecretKey`: `https://console.cloud.tencent.com/cam/capi`.
- For base64-encoded images or videos, remove the `` prefix and the `¥n` line break.
- If the request result is as shown below, you need to manually configure the signature type:

```
[TencentCloudSDKException]message:AuthFailure.SignatureFailure-The provided credentials could not be validated because of exceeding request size limit, please use new signature method `TC3-HMAC-SHA256`. requestId:719970d4-5814-4dd9-9757-a3f11ecc9b20
```

  Configure the signature type:

```
clientProfile.setSignMethod("TC3-HMAC-SHA256"); // Specify the signature algorithm (default value: HmacSHA256)
```

- If the API request exceeds 1 MB, only v3 authentication (TC3-HMAC-SHA256) can be used. API 3.0 SDK supports Node.js, Python, Java, PHP, and Go, but not .NET and C#. You need to implement API authentication v3 to call APIs. We recommend using the signature generation tool in API 3.0 Explorer to verify the signature.

Error Codes

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The following describes return codes for Tencent Cloud FaceID API calls and billing information.

Error Code	Error Description	Billed
FailedOperation.CompareFail	Comparison failed	Yes
FailedOperation.CompareLowSimilarity	Comparison similarity does not meet the passing standard	Yes