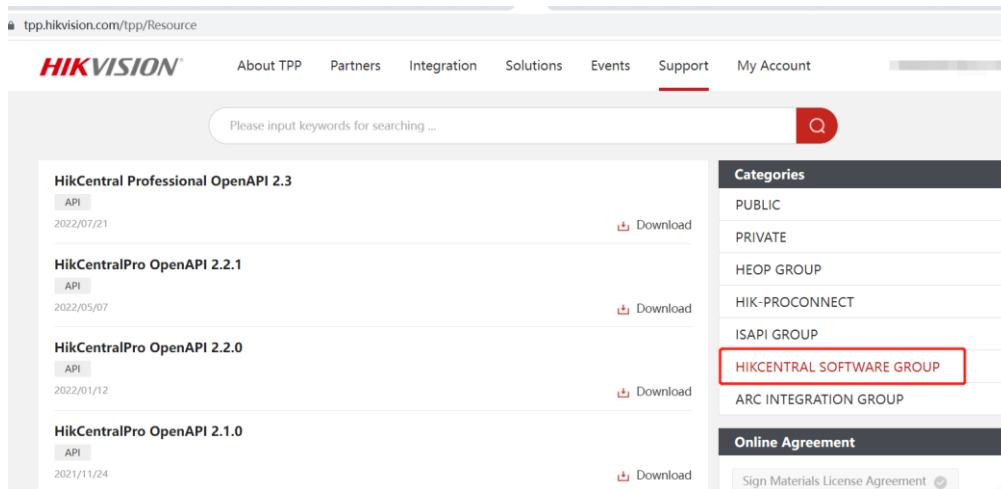


# HCP Platform OpenAPI Deployment & Online Debug

## 1、Installation

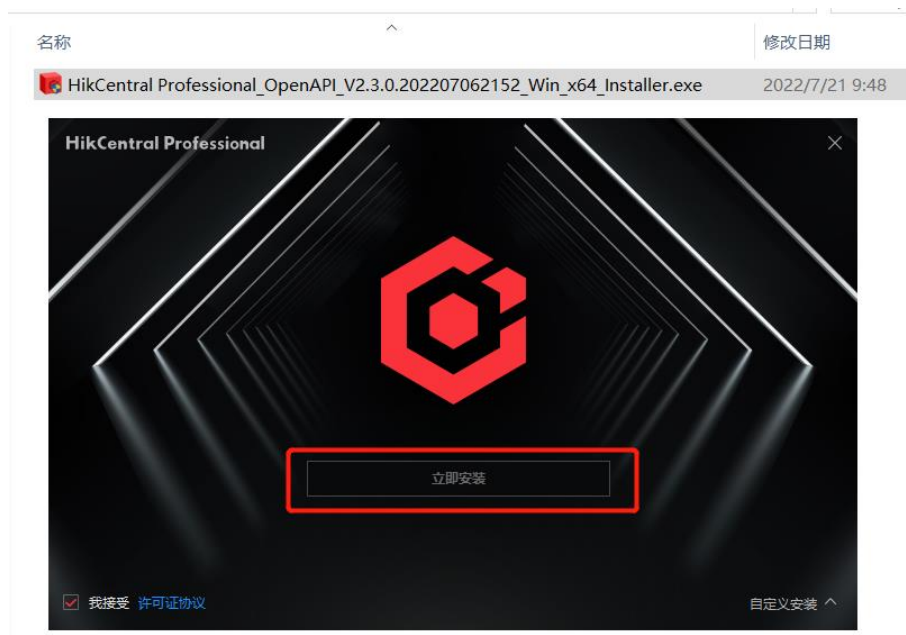
### 1.1 Get OpenAPI installation package

Because the HCP platform installation package is not the same as the OpenAPI installation package, you need to get the OpenAPI installation package. First, the customer should register a TPP account, <https://tpp.hikvision.com/>. After approval, please download the OpenAPI installation package consistent with the HCP platform version. The download link is <https://tpp.hikvision.com/tpp/Resource>



### 1.2 Install OpenAPI

After getting the installation package, install it on a Windows server or computer with one click. OpenAPI and HCP platform can be installed on the same server or on different servers. We recommend installing on the same server.



## 2、 Online Debug

### 2.1 License

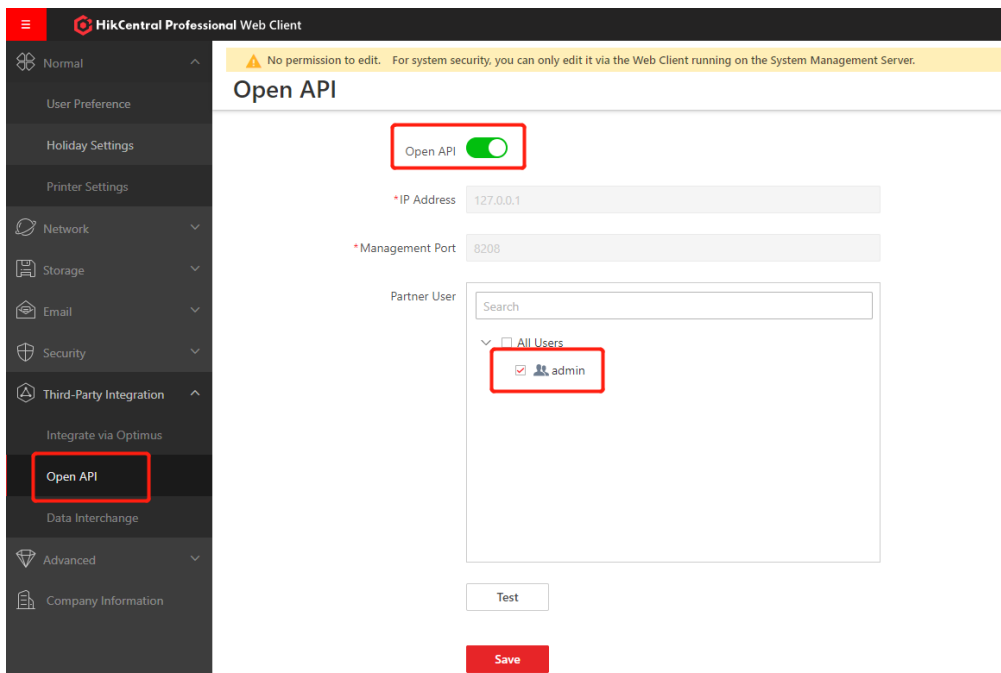
Please confirm HCP platform contains Third-Party Integration license. If not, please apply for a license first.

License Details		License List	Latest Expiry Date : 2023-01-17(T...
Authorization Details	Details		
Pathway Analysis	Disabled		
Third-Party Integration	Enabled		
Archive Search	Enabled		

### 2.2 Enable Open API

System Configuration - Third-Party Integration, enable Open API, and save.

Note: You can edit the IP and port only when you log in to the server where HCP is installed.

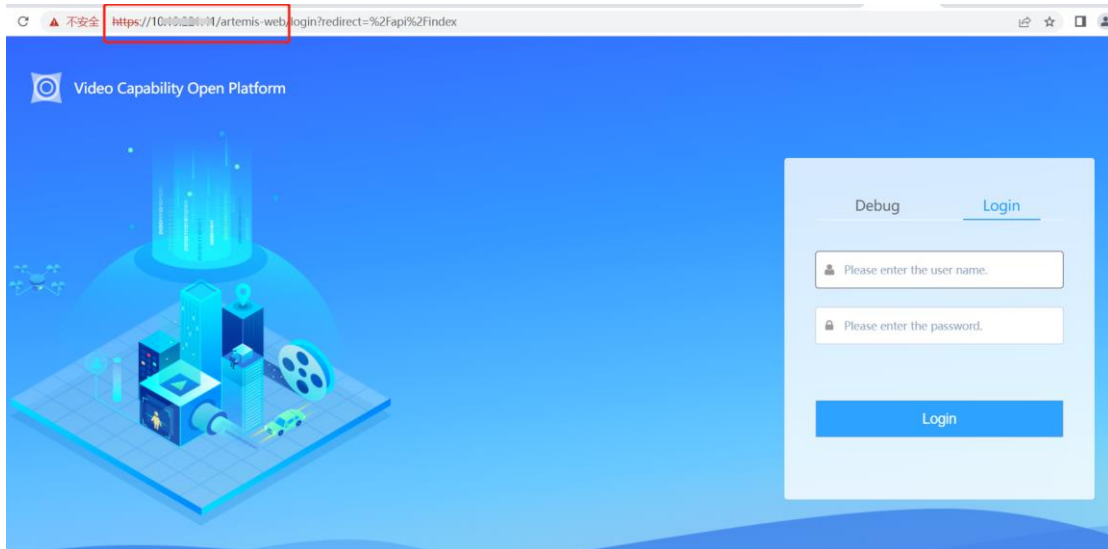


### 2.3. Login API web page

<https://ip/artemis-web/> ,the ip is the address where OpenAPI is installed.

If you login to this page locally on the HCP server, you can use <https://127.0.0.1/artemis-web/> .

If you login to this page on another computer, please use the correct IP address.



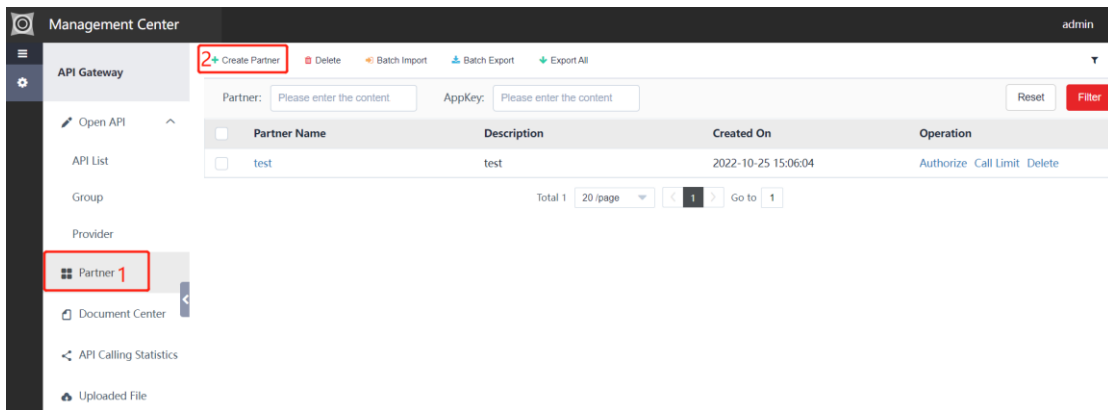
You can see that there are 2 ways: (1) Debug (2) Login

Both methods can debug APIs, but you need to create partner first, then get APPkey and APPsecret.

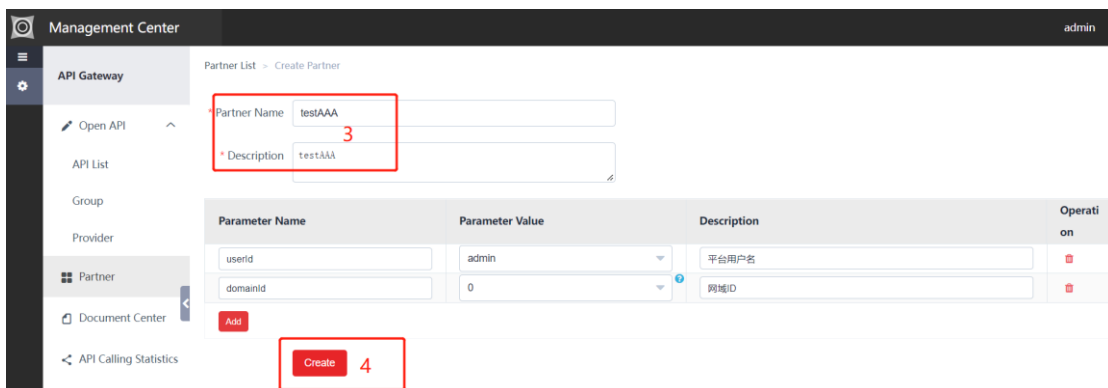
Therefore, please log in first. The user name is **admin**, and the default password is **admin@123**, you need to change password after first login.

## 2.4 Create Partner

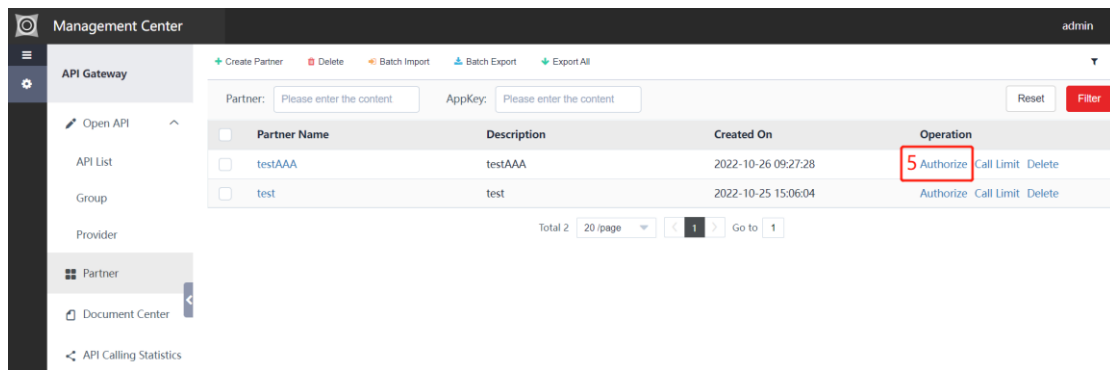
Create a Partner



Set Partner Name and Description



## Configure Authorization

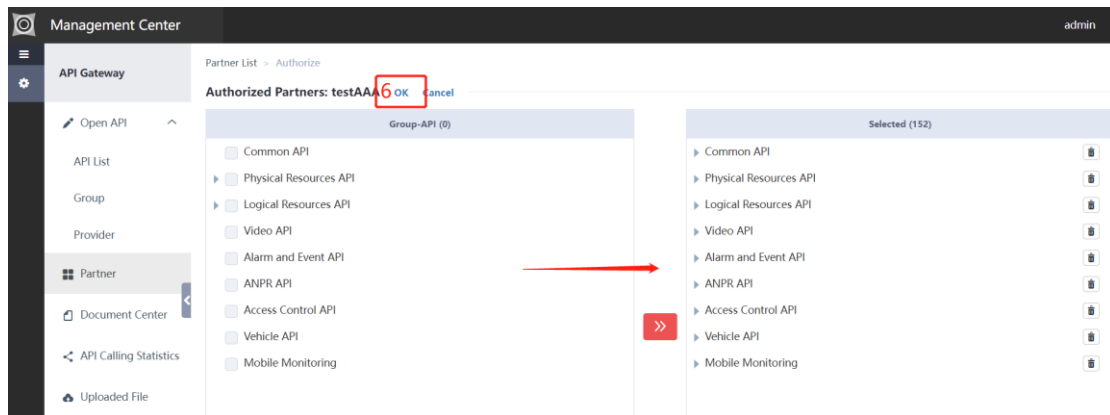


The screenshot shows the 'Management Center' interface for the 'API Gateway' section. The 'Partner List' table is displayed with the following data:

Partner Name	Description	Created On	Operation
<input type="checkbox"/> testAAA	testAAA	2022-10-26 09:27:28	<b>5</b> Authorize Call Limit Delete
<input type="checkbox"/> test	test	2022-10-25 15:06:04	Authorize Call Limit Delete

The 'Authorize' button in the first row is highlighted with a red box and the number '5'. The interface also includes search filters for 'Partner' and 'AppKey', and pagination controls showing 'Total 2' and '20/page'.

## Save

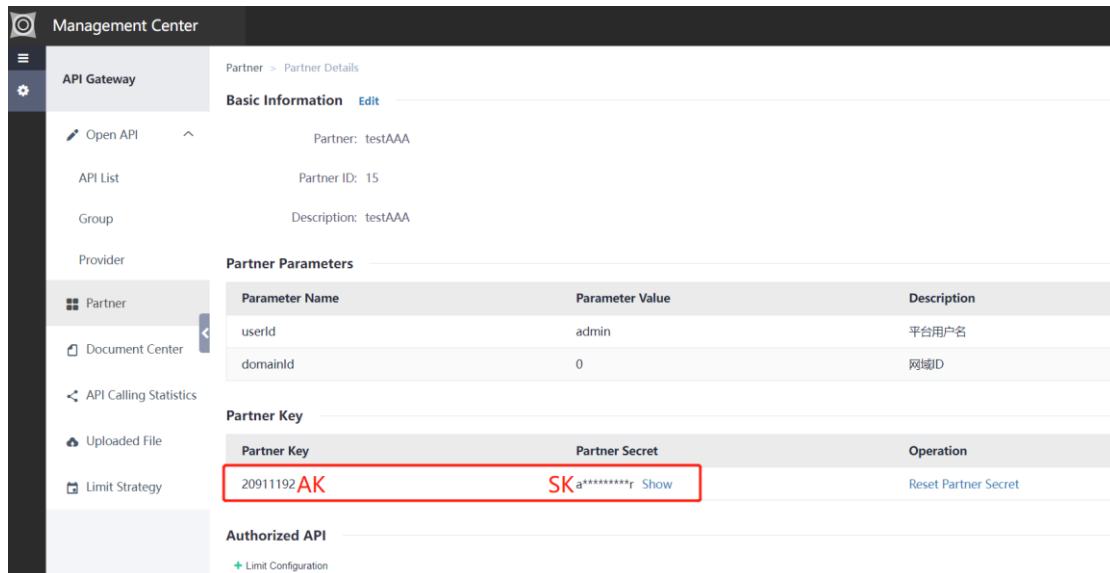


The screenshot shows the 'Authorize' dialog box for the partner 'testAAA'. The 'Authorized Partners' field contains 'testAAA' and is highlighted with a red box and the number '6'. The dialog displays a list of APIs to be authorized:

- Group-API (0)
- Common API
- Physical Resources API
- Logical Resources API
- Video API
- Alarm and Event API
- ANPR API
- Access Control API
- Vehicle API
- Mobile Monitoring

The 'Selected (152)' list on the right contains all the above APIs. A red arrow points from the 'Authorized Partners' field to the 'Selected' list, and a red '>>' button is visible at the bottom of the dialog.

## 2.5 Get APPkey and APPsecret



The screenshot shows the 'Partner Details' page for the partner 'testAAA'. The 'Basic Information' section displays:

- Partner: testAAA
- Partner ID: 15
- Description: testAAA

The 'Partner Parameters' section shows the following table:

Parameter Name	Parameter Value	Description
userId	admin	平台用户名
domainId	0	网域ID

The 'Partner Key' section shows the following table:

Partner Key	Partner Secret	Operation
20911192AK	SK_a*****r Show	Reset Partner Secret

The 'Partner Key' and 'Partner Secret' fields are highlighted with a red box.

## 2.6 Online Debug

After the partner is created, you can start online debugging.

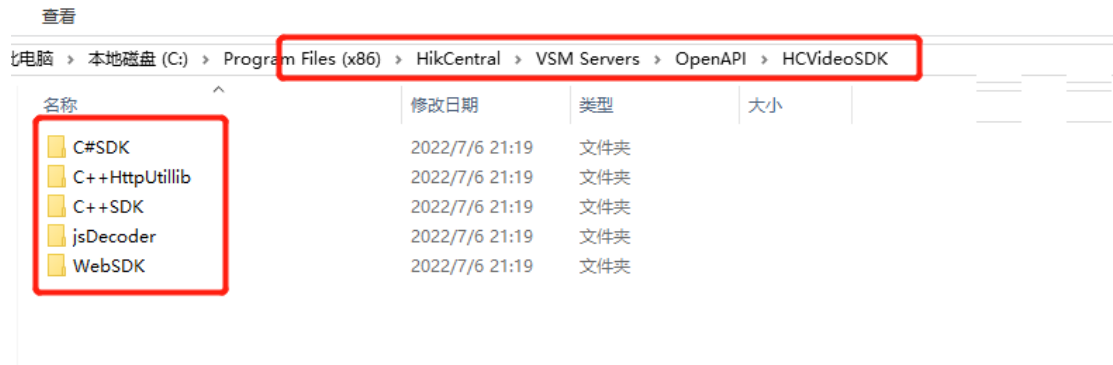
Find the API you want to call from the API list, and then click "Online Debugging", such as Get person information.



### 3、 Demo

We provide demo, which you can refer to when developing.

Demo Path: \HikCentral\VSM Servers\OpenAPI\HCVideoSDK



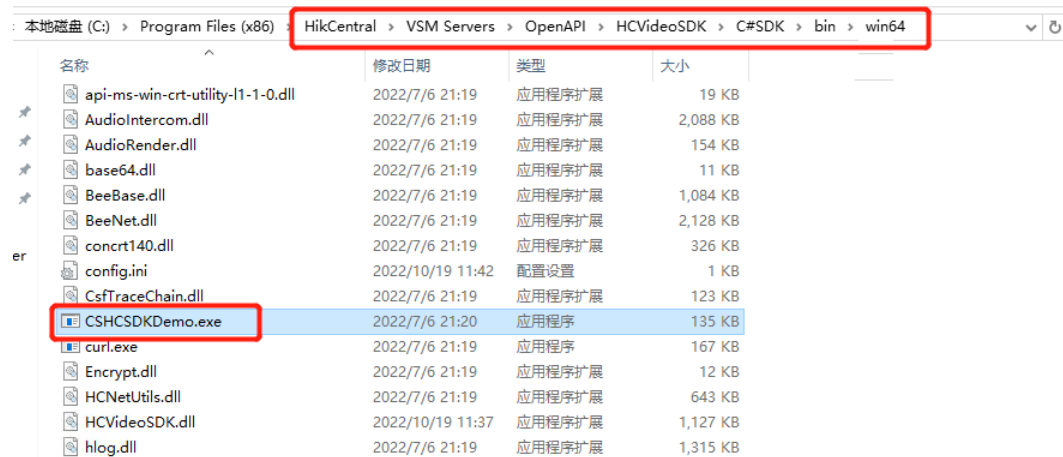
Please check the development documents of each demo.

If you want to use C # demo, please do first :

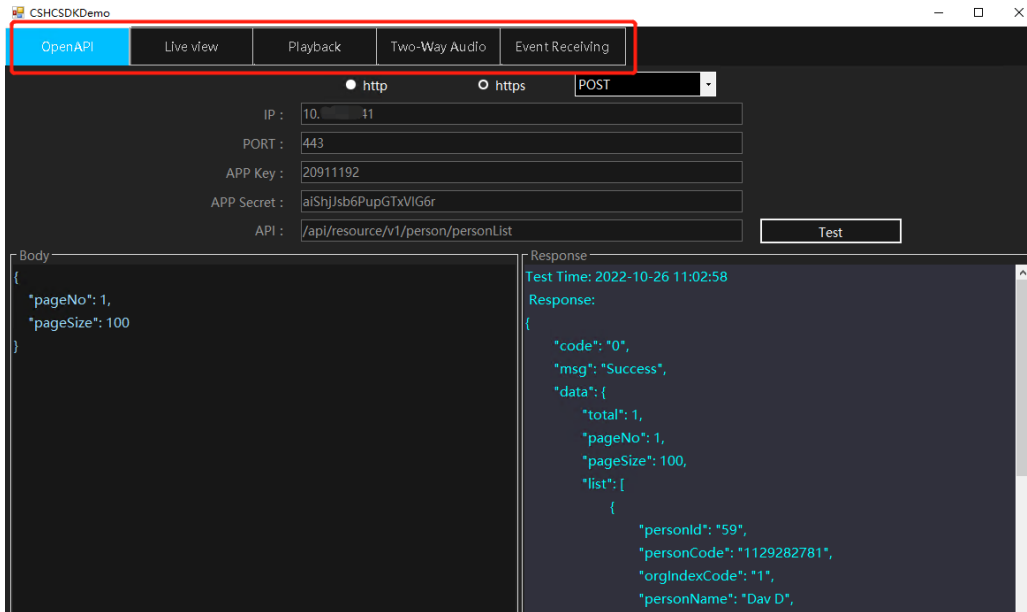
1、 Copy all files in the path of “OpenAPI\HCVideoSDK\C++SDK\bin\win64” to “OpenAPI\HCVideoSDK\C#SDK\bin\win64”

2、 Copy all files in the path of “OpenAPI\HCVideoSDK\C++SDK\bin\win32” to “OpenAPI\HCVideoSDK\C#SDK\bin\win32”

then , you can open C# demo.



You can use C # demo to test calling API、Live view、Playback、Two-way Audio、Event Receiving.



C++ demo

