How to install and Configure Open API

OpenAPI Installation

- 1. The prerequisite for using OpenAPI is to install HCP, and the HCP version must be at least 1.5.
- 2. OpenAPI is only available for HCP 1.5 and above, and it is called OpenSDK below 1.5, with different architectures and different protocols.

Name Date modified Type Size Image: BrickCentral-Professional_V2.2.1.202205121837_Win_x64_Installer.exe 6/5/2022 10:09 PM Application 1,200,652 Image: BrickCentral Professional_OpenAPI_V2.2.1.202204140135_Win_x64_Installer.exe 6/5/2022 12:16 PM Application 569,458 Image: Web Client X + - Image: Client - Image: Client Image: BrickCentral Professional_OpenAPI_V2.2.1.202204140135_Win_x64_Installer.exe Image: Client X + - Image: Client	Size			
is HikCentral-Profes 🐻 HikCentral Profes	sional_V2.2.1.202205121837_Win_x64_Installer.exe sional_OpenAPI_V2.2.1.202204140135_Win_x64_Installer.exe	6/5/2022 10:09 PM 5/31/2022 12:16 PM	Application Application	1,200,652 KB 569,458 KB
€ Web Client ×	+			- ø ×
$\leftarrow \rightarrow$ C \textcircled{a}	○ 🗅 📼 127.0.0.1/#/	67% 公	♡ ± □ 🗳 🕨 T	b



3. Before installing OpenAPI, make sure that "Third-Party Integration" in the license item of HCP has been enabled. That is, the applied license must include the three-party integration function.





- 4. OpenAPI has two installation methods: One-piece installation and distributed installation.
- 5. If you install to a different computer, you need to configure it on the watchdog



6. In the case of distributed installation, the HCP watchdog software (Service Manager) requires system information authentication.

Note; If it is installed on the same computer, this step is not required.

1.Log in to the HikCentral Professional via the Web Client, refer to *HikCentral Professional Web*

Client User Manual for details.

2. Click System → Security → Service Component Certificate

3. View and get the service Certificate information in the Certificate between Services inSystem field.

- 4. Run the Service Manager as an administrator.
- 5. Click Security Certificate to open Enter Certificate information dialog.
- 6. Enter the obtained service Certificate information in the dialog.
- 7. Click OK



MENA Team / Ammar Hatem Mohammed

System Configuration Service Component Certificate Wormal Service Component Certificate Security Card Template Card Template Card Template Certificate between System and R Export Digest Algorithm Name: sha256 Service Component Certificate between System and R Secret Key Component: SED36977481940P6 Secret Key Salt Value: SE036977481940P6 	
Normal User Preference Holday Settings Printer Settings Card Template Storage mail Storage Email Security Transfer Protocol Service Component C Export Profile Pictures	
Holiday Settings • Certificate between Senvices in Sy admin Account's Password Printer Settings Generate Again Card Template B878T48U76k9 Image: Card Template Export Image: Card Template Secret Key Component: Image: Card Template Secret Key Sait Value: Image: Card Template Export Profile Pictures	
Printer Settings Generate Again Card Template BB78T4BU76k0 Network BB78T4BU76k0 Storage Export Storage Digest Algorithm Name: sha256 Service Component C Secret Key Component: SE03697F4B194DF6 Export Profile Pictures Secret Key Sait Value: SE03697F4B194DF6	
Card Template BB78T48U76k9 Network Certificate between System and R Storage Digest Algorithm Name: sha256 Email Security Transfer Protocol Service Component C Export Profile Pictures	
Network Storage Email Security Transfer Protocol Service Component C Export Profile Pictures	
Digest Algorithm Name: bigest Algorithm Name: sha256	
Security Security Transfer Protocol Secret Key Component: Senvice Component C Secret Key Salt Value: Export Profile Pictures Secret Key Salt Value:	
Transfer Protocol Secret Key Component: Service Component C Secret Key Salt Value: Export Profile Pictures SE03697F48194DP6	
Service Component C Secret Key Salt Value: Export Profile Pictures 5E03697F48194DF6	
Export Profile Pictures 5E03697F4B194DF6	
Database Password Security Level:	
Third-Party Integration 2	
Advanced Company information	
A Perform security certificate authentication to the server first, or the server cannot work	norm
Logs Download Logs	
Service Manager	
Service Manager Service Name Enter Certificate Information Status	IS
Service Manager Service Name Enter Certificate Information Status OpenAPI Translat OpenAPI Translat OpenAPI Translat	is tarted
Service Manager Service Name Enter Certificate Information × Status HikCentral Professional OpenAPI Translat Image: Status Status OpenAPI Translat Image: Status Status Status Artemis Certificate Information Status Status	is tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web	is tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web Artemis-Portal	us tarted tarted tarted tarted
Service Manager Enter Certificate Information Status HikCentral Professional Service Name Enter Certificate Information Status OpenAPI Translat OpenAPI Translat Status Status Artemis Artemis-Web Certificate Information Status Translat Artemis-Portal Status Status Nestart All HikCentral Profes OK Cancel	us tarted tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web Artemis-Portal HikCentral Profes OK Cancel	us tarted tarted tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web Artemis-Portal HikCentral Profes OK Cancel Status Service Name Enter Certificate Information Nestart All Weight Security Certificate Security Certificate <	us tarted tarted tarted tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web Artemis-Portal HikCentral Profes OK Cancel BeeAgent PostgreSQL 5432	us tarted tarted tarted tarted tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Artemis-Web Artemis-Portal HikCentral Profes OK Cancel Status BeeAgent 8208 Status PostgreSQL Status PostgreSQL Status Artemis OK Cancel Status PostgreSQL Status Status PostgreSQL Status Status Status OpenAPI Translat Artemis OpenAPI Translat Artemis-Web Artemis-Portal HikCentral Profes OK Cancel Status PostgreSQL Status Status Status Status Status HikCentral Profes OK Cancel Status Status Status Status Status Status Status Status </th <th>us tarted tarted tarted tarted tarted tarted tarted</th>	us tarted tarted tarted tarted tarted tarted tarted
Service Manager HikCentral Professional Service Name Enter Certificate Information OpenAPI Translat Artemis Certificate Information Stop All Artemis-Web Artemis-Portal HikCentral Profes OK Cancel Stop PostgreSQL Stop All OK Cancel Stop PostgreSQL Status PostgreSQL Status Certificate Information Status PostgreSQL PostgreSQL <th>us tarted tarted tarted tarted tarted tarted</th>	us tarted tarted tarted tarted tarted tarted



	🗄 Download Logs 🛛 🖓 Monitor Performa	ance		
Service Manager	Service Name	Port	Status	Operation
HikCentral Professional	OpenAPI Translation Service		⊘ Started	$\Box \Theta$
	Artemis AP	[Started	$\Box \Theta$
😑 Stop All	Artemis-Web		Started	$\Box \Theta$
	Artemis-Portal		Started	$\Box \Theta$
🖱 Restart All	> System Management Service(SYS)	14200;7660;7332;7334;6123;	Started	$\Box \Theta$
	HikCentral Professional Management Service	80;443	Started	$\Box \Theta$
	Streaming Gateway	554;10001;559;16000;16002;	Started	$\Box \Theta$
	3rd Party Device Access Gateway	НСР	Started	$\Box \Theta$
Run Time:				
0 Day(s) 00:27:22				
			🗹 Auto-Launch 📛 Sin	gle Server

After OpenAPI is installed, you can see the demo of HCVideoSDK in the installation directory. There are 5 versions of the demo in total, and customers can choose reference according to their different development languages

N ^	D. I. I.C. I	-	· · ·
Name	Date modified	Іуре	Size
C#SDK	4/13/2022 8:01 PM	File folder	
C++HttpUtillib	4/13/2022 8:01 PM	File folder	
C++SDK	4/13/2022 8:01 PM	File folder	
jsDecoder	4/13/2022 8:01 PM	File folder	
WebSDK	4/13/2022 8:01 PM	File folder	



OpenAPI Configuration

1. OpenAPI protocol supports http protocol and https protocol, you can switch the protocol in HCP configuration page, System->Security->Transfer Protocol





÷	- → C @	○ A https://127.0.0.1/#/portal
88	ikCentral Profes	anal Web Client System Configuration & X
₽	System Configuration	Open API
88		
		Open API
		*IP Address 127.0.0.1
		*Management Port 8208
	Card Template	Partner User
Ø		Search
R		✓ ■ All Users ✓ ▲ admin
Ô		🗆 🎎 ahmad.maher
Ð		Ammar 28 AMMAR
۵	Third-Party Integration	a 🔍 cayrx
L	Integrate via Optimus	□ 봤 eyad □ 봤 ibrahim
	Open API	
	Data Interchange	Test
♥		Save
Ē.		

HIKVISION°



3. After installing HCP and OpenAPI, and after the above series of configurations, you can log in to the OpenAPI service through the web. The default password for the first login is admin@123, the first time you need to change the password. The IP is 127.0.0.1 if on the same computer, and the is the service IP address if you log in on the other computer.

IP: https://127.0.0.1/artemis-web Default password: admin@123

\leftarrow \rightarrow C \textcircled{m}	O 🔒 https://127.0.0.1/artemis-web/login?redirect=%2Fapi%2F	index	67%	ជ	${igardown}$	⊻		ø	b T	٠	Ь	@ ≡
Video Capability Op	en Platform											
				Debu	9	Log	gin					
				A Please e	nter the user i	name.						
				Please o								
					Login	į						
Video Capabilit	y Open Platform											
		Login for the first tir	me. Plea	se change	the pas	sswo	rd.					
		* Old	Please	enter the old	passwor		۲					
		Password * New	Please	enter new pa	issword.		٠					
		Password	_									
		* Confirm	Please	enter the ne	w passwo	rd ag	۲					
		Password.				Can	cel		ок			

4. Before the user can integrate, the final step is required to configure and create a partner



Create Partner

\leftarrow	ightarrow C C	O 🔓 🕶 https://127.0.0.1/artemis-web/consum	er/add		90%	${igsidential}$	$_{\pm}$	ø	Ь	Т	•	Ь	0	≡
0	Management Center												admin	
≡ ≎	API Gateway	Partner List > Create Partner												
	🖋 Open API 🛛 🥎	* Partner Name Ammar_test												
	API List	* Description test												
	Group													
	Provider	Parameter Name	Parameter Value		Description							•	perati n	
	Partner	userId	admin 👻		Platform User Name							1	8	
	Document Center	domainId	0 -	0	Network Domain ID							1	i	
	 API Calling Statistics Uploaded File 	Add Create												
	🖬 Limit Strategy													

Get AppKey and AppSecret

\leftarrow	\rightarrow C \textcircled{a}	🔿 🔒 🕶 https://127.0.0.1/artemis-web/consumer/deta	il/1 90%	÷	${igsidential}$	$\overline{\gamma}$		ø	Ь	Т	•	Ь	e =	
Ø	Management Center											a	dmin	
≡ ≎	API Gateway	Partner > Partner Details Basic Information Edit												Í
	🖌 Open API 🛛 🔿	Partner: Ammar_test												
	API List	Partner ID: 1												
	Group	Description: test												
	Provider	Partner Parameters												
	Partner	Parameter Name	Parameter Value		Descrip	tion								
	Document Center	domainId	0		Networ	k Doma	ain ID							
		userId	admin		Platform	n User I	Name							
	API Calling Statistics	Partner Kev												l
	Oploaded File	Partner Key	Partner Secret]	Operati	ion								
	🖬 Limit Strategy	25890529	kXPDuaq9yMRC3cHfkYJF Hide Copy		Reset Pa	artner S	Secret							
		Authorized API		_										
		+ Limit Configuration												,



Authorize the partner

0	Management Center					a	dmin
=	API Gateway	+ Create Partner 📋 Delete 🚸 Batch 1	mport 📥 Batch Export 🔸 Export All				۲
*		Partner: Please enter the content	AppKey: Please enter the content			Reset	Filter
	🖍 Open API 🛛 🔿	Partner Name	Description		Created On	Operation	
	API List	Ammar_test	test		2022-06-19 22:48:02	Authorize Call Limit Delete	
	Group		Total 1 20 /page	• <	1 > Go to 1		
	n1-1						
	Management Center					a	dmin
=	API Gateway	Partner List > Authorize					
•		Authorized Partners: Ammar_test	OK Cancel				
	🖍 Open API 🛛 🔨	Grou	p-API (37)		s	elected (106)	
	API List	Common API			Common API		1
	Carrie	Physical Resources API			Physical Resources API		8
	Group	Logical Resources API			Logical Resources API		Û
	Provider	Video API			 Access Control API 		Û
	Partner	Alarm and Event API					
	<	ANPR API					
	Document Center	Access Control API		_>>			
	API Calling Statistics	Mobile Monitoring					
	Uploaded File						
	Limit Strategy						