

# USC Video Platform

## API Manual

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# Catalogue

<b>1 Preface</b>	<b>7</b>
<b>2 Version Update</b>	<b>9</b>
1 Version Update Description .....	10
<b>3 Interface Description</b>	<b>11</b>
1 Common Terms .....	12
2 Protocol Format .....	12
3 API Debugging .....	13
4 API Authentication Mechanism .....	15
<b>4 System</b>	<b>17</b>
1 User .....	18
User Data Format .....	18
User Login .....	19
User Addition .....	21
User Information Acquisition .....	23
User Update .....	24
User Deletion .....	25
Change Password .....	26
Obtaining The User List .....	27
Get Session .....	29
User Stay Alive .....	30
User Profile .....	31
Update User Configuration .....	36
2 Organization .....	36
Organization Data Format .....	37
Add Organization .....	38
Organizational Acquisition .....	39
Organization Renewal .....	41
Organizational Deletion .....	42
Obtain The Organization List .....	42
3 Role .....	45
Roles .....	45
Role Addition .....	46
Role Acquisition .....	47
Role Update .....	49
Role Deletion .....	50
Role List Acquisition .....	51
Role Configuration Update .....	53
4 Equipment Partition Management .....	54
Data Format Of Equipment Partition .....	54
Add Device Partition .....	55
Device Partition Acquisition .....	56

Device Partition Update .....	57
Delete Device Partition .....	58
Obtaining The List Of Device Partitions .....	59
Equipment Partition Moving Position .....	60
<b>5 Logical Partition Management .....</b>	<b>61</b>
Logical Partition Data Format .....	61
Logical Partition Addition .....	62
Logical Partition Retrieval .....	63
Logical Partition Update .....	65
Logical Partition Deletion .....	66
Obtaining The List Of Logical Partitions .....	67
Logical Partition Move Location .....	68
<b>6 Maintenance .....</b>	<b>69</b>
<b>7 Translate .....</b>	<b>71</b>
<b>8 System Configuration .....</b>	<b>72</b>
System Configuration Acquisition .....	72
System Configuration Modification .....	73
<b>9 Custom Theme Icon .....</b>	<b>74</b>
<b>10 LoginLogo .....</b>	<b>75</b>
<b>11 Logo .....</b>	<b>76</b>
<b>12 Title .....</b>	<b>77</b>
<b>13 Copyright .....</b>	<b>78</b>
<b>14 Reset Icon .....</b>	<b>79</b>
<b>15 Reset LoginLogo .....</b>	<b>79</b>
<b>16 Reset Logo .....</b>	<b>80</b>
<b>17 Reset Title .....</b>	<b>81</b>
<b>18 Reset Copyright .....</b>	<b>81</b>
<b>5 Device .....</b>	<b>83</b>
<b>1 Access Device .....</b>	<b>84</b>
Data Format Of Access Device .....	84
Get Access Device List .....	84
Get Access Device .....	86
Add Access Device .....	88
Modify Access Device .....	89
Delete Access Device .....	91
Remote Door Opening .....	92
Remote Door Closing .....	93
<b>2 Device Management .....</b>	<b>94</b>
Device Data Format .....	94
Add Dh Device .....	95
Add Ivs Device .....	97
Add Hik Device .....	99
Add HikISC Platform .....	101
Add HikInfov Platform .....	103
Add Td Device .....	105
Delete Device .....	106
Get Device List .....	107

Get Video Files .....	109
Update Device .....	110
Add FILE .....	112
Add ONVIF .....	114
Add RTSP .....	115
Add Dss Platform .....	117
Add Unv Device .....	119
<b>3 Channel .....</b>	<b>121</b>
Data Format Of Equipment Channel .....	121
Get Device Channel .....	122
Get The Online Status Of The Channel .....	123
Obtain Channel Encoding Information .....	125
Server-Side Screenshot .....	126
Mark Whether The Channel Is A Dome Camera .....	127
Add An Alias For The Channel .....	128
PTZ .....	129
Modify Preset Position .....	130
Get Preset Position .....	131
Delete Preset Position .....	132
Obtain The Channel Video Segment .....	132
<b>6 Cluster .....</b>	<b>135</b>
<b>1 Cluster Configuration .....</b>	<b>136</b>
Get Operating Mode .....	136
Get Hot Standby Mode .....	137
Get Server Information .....	138
Get Server Configuration .....	139
Update The Operation Mode .....	140
Update The Hot Standby Mode .....	141
Update Server Information .....	142
Update Server Configuration .....	143
<b>2 Services Overview .....</b>	<b>144</b>
Get The Server List .....	144
Obtain The Total Information Of Server Devices .....	145
Obtain The Server Device Information List .....	148
Get Server Running Information .....	150
Get Codec Information .....	152
<b>7 Map .....</b>	<b>155</b>
<b>1 Get Map List .....</b>	<b>156</b>
<b>2 Get Map Information .....</b>	<b>158</b>
<b>3 Add Static Map .....</b>	<b>159</b>
<b>4 Add A Slice Map .....</b>	<b>161</b>
<b>5 Add GIS Map .....</b>	<b>162</b>
<b>6 Update Map .....</b>	<b>164</b>
<b>7 Update Static Map .....</b>	<b>165</b>
<b>8 Delete Map .....</b>	<b>167</b>
<b>9 Add Map Connection .....</b>	<b>167</b>
<b>10 Update Map Connection .....</b>	<b>169</b>

---

11	Remove Map Connection .....	170
12	Add Channel .....	171
13	Update Channel .....	172
14	Delete Map Channel .....	173
15	Update View .....	174
16	Map Add View .....	175
17	Map Delete View .....	176
18	Delete View .....	177
19	Add Door .....	178
20	Update Door .....	179
21	Delete Door .....	180
<b>8</b>	<b>View</b>	<b>183</b>
1	Custom Layout .....	184
	Get Custom Layout .....	184
	Add Custom Layout .....	185
	Delete Custom Layout .....	187
2	View .....	187
	Get View .....	188
	Add View .....	191
	Modify View .....	192
	Delete View .....	194
3	Patrol .....	195
	Obtain Patrol List .....	195
	Add Patrol .....	196
	Modify Patrol .....	197
	Delete Patrol .....	198
<b>9</b>	<b>JS Video SDK</b>	<b>201</b>
1	Real-Time Video Interface Parameters .....	202
2	Playback Video Interface Parameters .....	204
3	WS Interface .....	207
4	RTC Interface .....	207
<b>10</b>	<b>Appendix A FAQ</b>	<b>209</b>
		<b>0</b>

# 1.Preface

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# 1 Preface

## Preface

Thank you very much for using our company's products. We will be happy to provide you with the best and highest quality service.

This manual may contain technical inaccuracies or text errors.

The content of this manual will be updated regularly without notice; the updated content will be added to the new version of this manual.

The interface images extracted from this manual are only used as examples. The interface may vary between versions, so please refer to the actual interface for accuracy.

We have a professional support team to answer your questions. Thank you for your support.



## 2.Version Update

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## 2 Version Update

### 2.1 Version Update Description

#### Version update description

Version	Date	Describe
r14	2022/05/31	r14Version Update

## 3. Interface Description

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## 3 Interface Description

### Content Overview

The interface of this document adopts a RESTful architecture. RESTful interfaces are simple stateless protocols based on HTTP, with four request methods: GET, POST, PUT, and DELETE. HTTP returns are all in JSON format. HTTP can be used for debugging, but HTTPS is recommended for actual production environments. For the convenience of subsequent examples, HTTP is used. If HTTPS is used instead, just replace the corresponding http with https.

### 3.1 Common Terms

#### Common terms

**Source:** Single-channel video sources such as RTSP, RTMP, and ONVIF, or channels automatically generated after adding devices, are also referred to as sources. Sources and monitoring points are equivalent.

**Device:** The camera NVR or third-party platform adds devices through the SDK or protocol of each manufacturer's device. After adding devices, one or more sources are generated, which correspond to different channels.

### 3.2 Protocol Format

#### Protocol format

HTTP GET returns in JSON format. The specific JSON format varies depending on the command. The following table shows basic formats and examples. To make it easier for you to understand, some commands directly use representative values in their descriptions. The requests and responses for HTTP POST, PUT, and DELETE methods are also in JSON format.

#### Format

Request : `http://server/api/v1/<resources>/$1?para=xxx  
&<...>=<...>`

Response:

```
{  
  "code": xxxxx,  
  "msg": xxxxxx,  
  "result": "xxxxxx"  
}
```

<...>=<...> Represents multiple request parameters.

#### Example

`http://192.168.100.127:8085/api/v1/DevPartition/List?pageSize=100`

Response:

```

{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "devPartitionId": 10000,
      "uuid": "60c01e5f-18cc-4bd2-afa8-d94b36109820",
      "enableGB": false,
      "parentId": 0,
      "devPartitionName": "Root",
      "description": "",
      "disOrder": 0,
      "dev": [],
      "casDev": []
    }
  ]
}

```

### Simple return format

Please contact internal personnel or technical support.

Field	Data type	Describe
code	int	Returned status code
msg	string	Specific description of API success or failure

## 3.3 API Debugging

### Postman debugging

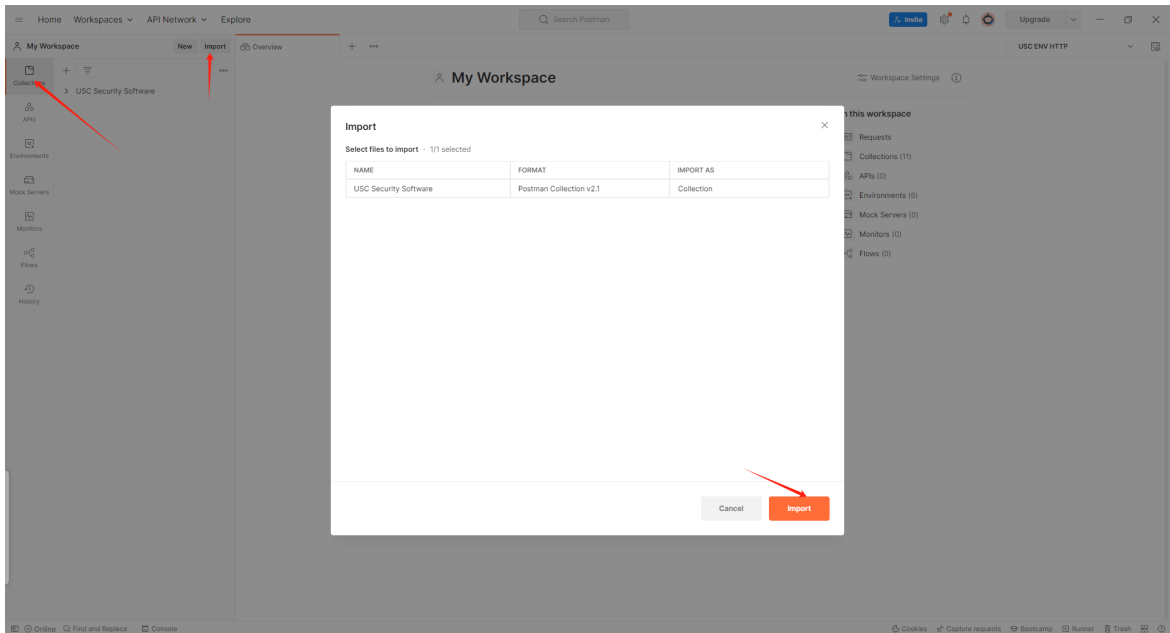
The API provides a Postman debugging project that can be downloaded with the corresponding project and environment. First download the Postman tool. The following reference image is based on Postman 9.26.8. If you are using a newer version, it may differ. You can refer to the method for importing projects and environments in the new version.

### Download Postman project

Please contact internal personnel

### Import Project

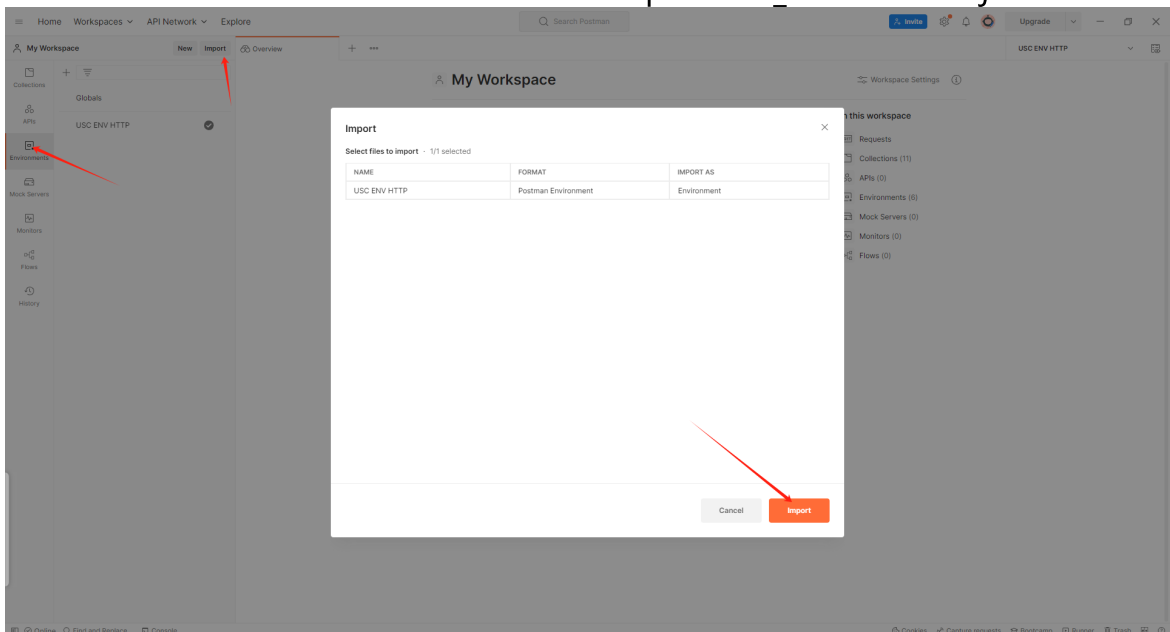
Click Import under Collections, and then select USC Security Software.postman\_collection.json to import it into Postman. Refer to the following figure:



## Import Environment

Click Import under Environments, and then select USC ENV HTTP.postman\_environment.json to import it into Postman. Refer to the following figure:

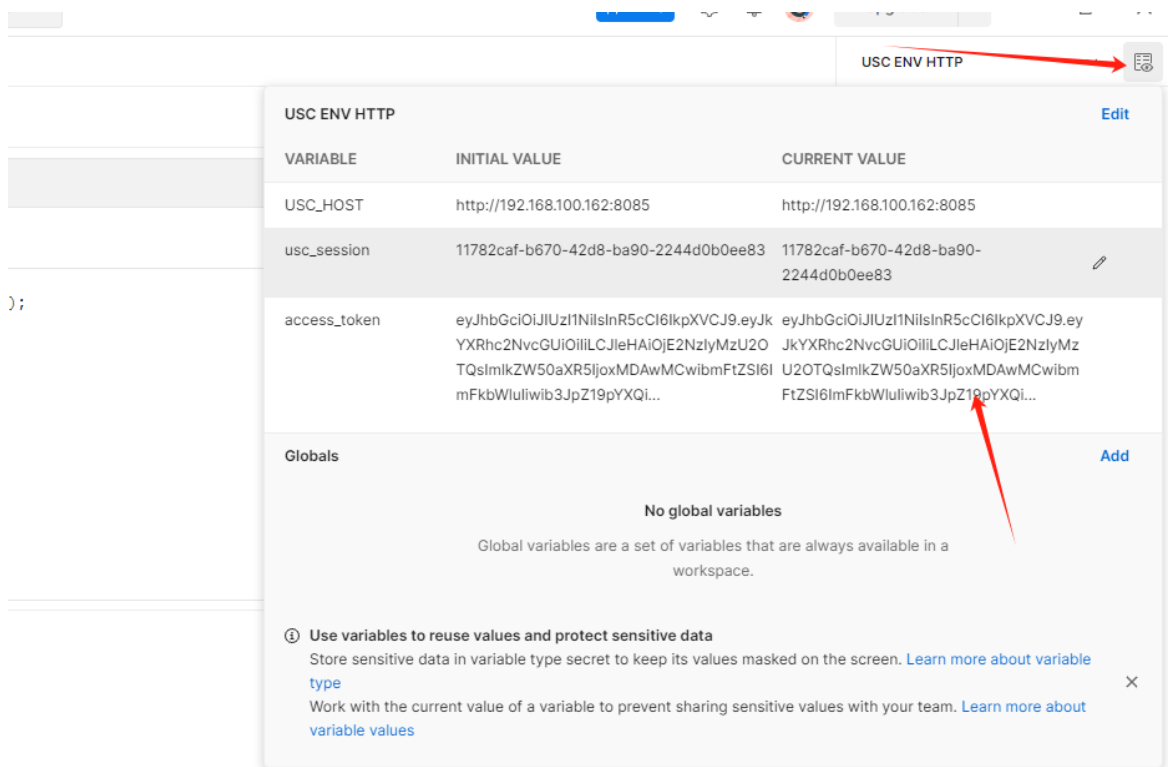
Select the same method as USC ENV HTTPS.postman\_environment.json.



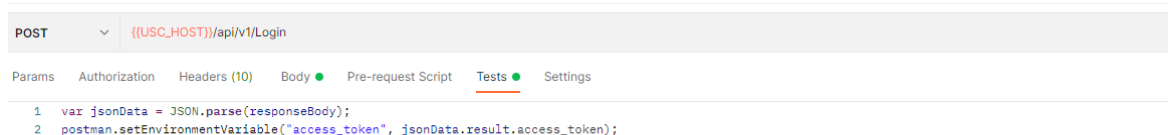
## Test

After importing, you can select the corresponding API and modify the IP and port of the H5STREAM ENV HTTP, and then you can test it.

You can fill the access\_token obtained by Login into the access\_token field in the environment, so that subsequent tests can use this access\_token.



The postman project has added the function of automatically setting the access\_token. After calling Login once, the access\_token in the environment variable will be updated, so there is no need to manually set it.



Since the session obtained by Login has a validity period, you can use the Runner function to keep it alive periodically by filling the valid session into the h5\_session field in the environment.

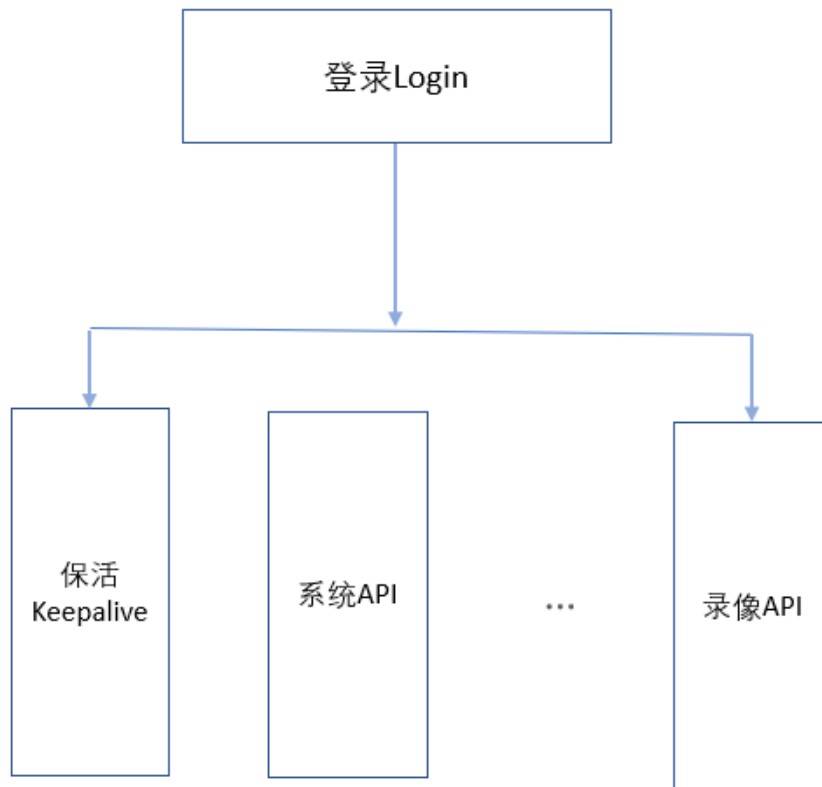
### 3.4 API Authentication Mechanism

#### API authentication mechanism

The video platform uses an access\_token-based management mechanism. If you use the Login API to obtain an access\_token, then all API calls use that access\_token. The access\_token has a timeout period, and you can use

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Keepalive to keep the access\_token alive so that it does not time out. The default timeout period for the access\_token is 1800 seconds. Refer to the following figure for usage:





# 4.System



---

## 4 System

### System

The system API includes login and other system-related APIs.

### 4.1 User

#### 4.1.1 User Data Format

##### Data Format Description

The meaning of the JSON data format for organization can refer to the following table:

Name	Type	Description
userId	int	User's ID
uuid	string	User's UUID
username	string	User name
firstName	string	Internal field
lastName	string	Internal field
avatar	string	Internal field
email	string	Internal field
roleId	int	Role ID
groupid	int	Organizational ID
description	string	User description
enabled	bool	Internal field
passwordChangeTimes	int	Password modification times
acronym	string	Internal field
background	string	Internal field
lastPasswordChangeTime	string	The last password modification time
password_expiry	bool	Whether the password has expired
createdAt	string	Internal field
updatedAt	string	Internal field

##### Examples

```

{
  "userId": 10002,
  "uuid": "f22d6687-1045-4b00-af54-a63ed8932e0a",
  "username": "uscuser1",
  "firstName": "FirstName",
  "lastName": "LastName",
  "avatar": "",
  "email": "001@example.com",
  "roleId": 10000,
  "groupId": 10000,
  "description": "",
  "enabled": true,
  "passwordChangeTimes": 0,
  "acronym": "u",
  "background": "#6CA508",
  "lastPasswordChangeTime": "2024-08-14T13:54:50.9862443+08:00",
  "password_expiry": false,
  "createdAt": "2024-08-14T13:54:51.0902182+08:00",
  "updatedAt": "2024-08-14T13:54:51.0902182+08:00"
}

```

## 4.1.2 User Login

### Description

Login system interface. Other interfaces rely on the session returned by Login. For specific mechanisms, refer to **Interface Description-» API Authentication Mechanism**.

### Usage

Request parameters	POST
URL	/api/v1/Login
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
user	string	must	User name

password	string	must	MD5 password. The <a href="http://www/tool.html">www/tool.html</a> in the release package can generate the corresponding MD5
----------	--------	------	--

## Response

Name	Type	Description
code	int	0 indicates success, 13001 indicates an incorrect account or password, and 13000 indicates an account lockout
msg	string	Specific description success or failure
access_token	string	The access_token obtained during successful login
token_type	string	Bearer indicates that the authentication type needs to be used in the request header
weak_password	bool	Whether the password is weak or not. If it is weak, it is recommended to refer to the requirements of the management interface to change it to a strong password
password_first_login_channel	bool	If true, the password needs to be modified
password_expire_time_in_days	int	How long does the password expire
expire	string	access_token expiration time
remainingCount	int	When the remaining login error times are 0, the account is locked
tLockTimeResidue	int	Remaining lock time

## Examples

[POST http://192.168.100.127:8085/api/v1/Login](http://192.168.100.127:8085/api/v1/Login)

```
{
  "username": "admin",
  "password": "e28efe9291262da0bd40675e4df289d40",
}
```

```

}
Returned message
{
  "code": 0,
  "msg": "success",
  "result": {,
  "access_token":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MjMxOTM1MjAsImkzZW50aXR5IjoxMDAwM
SwianRpijoiY2U1YzJiYjgtYWRjNi00NDUxLTgwNDQtMDVmNzU2MWM3MDA2IiwibmFtZSI6I1VzZXIxiwi
b3JpZ19pYXQiOjE3MjMxOTE3MjAsInJvbGVpZCI6MTAwMDAsInJvbGVuYW11IjoiQWRtaW5pc3RyYXRvcjJ
9.r0HBrUKPLRo-SR_C9Gm14Z-xp6mpyrsRs76sgZHp4Wk",
}
  "token_type": "Bearer",
  "weak_password": false,
  "password_first_login_change": true,
  "password_expire_time_in_day": 30,
  "expire": "2024-08-09T16:52:00+08:00"
}
}

```

### 4.1.3 User Addition

#### Description

Add User

#### Usage

Request parameters	POST
URL	/api/v1/User/Item
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
username	string	must	User name
password	string	must	md5 password
firstName	string	optional	Internal field
lastName	string	optional	Internal field
roleId	int	must	Role ID

avatar	string	optional	Internal field
email	string	optional	Internal field
groupId	int	must	Organizational ID
description	string	optional	User description
enabled	bool	optional	Internal field

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/User/Item](http://192.168.100.127:8085/api/v1/User/Item)

```
{
  "username": "uscuser1",
  "password": "e28efe9291262da0bd40675e4df289d4",
  "firstName": "FirstName",
  "lastName": "LastName",
  "roleId": 10000,
  "avatar": "",
  "email": "001@example.com",
  "groupId": 10000,
  "description": "",
  "enabled": true,
}
```

Returned message

```
{
  "code": 0,
  "msg": "success"
}
```

## 4.1.4 User Information Acquisition

### Description

Get user information

### Usage

Request parameters	GET
URL	/api/v1/User/Item
data	none

### Parameters

Name	Type	Parameter mandatory	Description
username	string	must	User name

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	obj	Refer to the user data format

### Examples

[GET http://192.168.100.127:8085/api/v1/User/Item?username=user](http://192.168.100.127:8085/api/v1/User/Item?username=user)

Returned message

```
{
  "code": 0,
  "msg": "success",
  "result": {,
  "userId": 10000,
  "uuid": "b9f173a4-095d-46e5-b0a0-f884daffd4ee",
  "username": "admin",
  "firstName": "",
  "lastName": "",
  "avatar": "",
  "email": "",
```

```

    "roleId": 10000,
    "groupId": 10000,
    "description": "",
    "enabled": true,
    "passwordChangeTimes": 1,
    "acronym": "A",
    "background": "#284A52",
    "lastPasswordChangeTime": "2024-08-12T09:15:00.515868+08:00",
    "password_expiry": false,
    "createdAt": "2024-08-12T09:10:58.918626+08:00",
    "updatedAt": "2024-08-13T09:10:51.339099+08:00"
  }
}

```

## 4.1.5 User Update

### Description

Update users

### Usage

Request parameters	PUT
URL	/api/v1/User/Item/&1
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
username	string	must	User name
roleId	int	must	Role ID
avatar	string	optional	Internal field
email	string	optional	Internal field
groupId	int	must	Organizational ID
description	string	optional	User description
enabled	bool	optional	Internal field

### Response

Name	Type	Description
------	------	-------------



code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/User/Item/10001](http://192.168.100.127:8085/api/v1/User/Item/10001)

```
{
  "username": zk,
  "roleId": 10000,
  "avatar": "",
  "email": "zzz@163.com",
  "groupId": 10000,
  "description": "",
  "enabled": true
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 4.1.6 User Deletion

#### Description

Delete user

#### Usage

Request parameters	DELETE
URL	/api/v1/User/Item
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	User ID to be deleted

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/User/Item](http://192.168.100.127:8085/api/v1/User/Item)

```
{
  "ids": [10002],
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 4.1.7 Change Password

#### Description

Change Password

#### Usage

Request parameters	PUT
URL	/api/v1/User/Password/Set
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
username	string	must	The username to be modified
newPassword	string	must	md5 password
oldPassword	string	must	md5 password

#### Response

Name	Type	Description
code	int	0 indicates success

msg	string	Specific description success or failure
-----	--------	---

## Examples

[PUT http://192.168.100.127:8085/api/v1/User/Password/Set](http://192.168.100.127:8085/api/v1/User/Password/Set)

```
{
  "username": "admin",
  "newPassword": "e28efe9291262da0bd40675e4df289d4",
  "oldPassword": "e28efe9291262da0bd40675e4df289d41",
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 4.1.8 Obtaining The User List

#### Description

Get the user list

#### Usage

Request parameters	GET
URL	/api/v1/User/List
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
pageSize	int	optional	Number of data per page Default 10
pageIndex	int	optional	Page default first page

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

---

count	int	How many data are there in total
pageSize	int	How many data per page
pageIndex	int	What page is it
list	array	Refer to the user data format

## Examples

[PUT http://192.168.100.127:8085/api/v1/User/List](http://192.168.100.127:8085/api/v1/User/List)

Returned message

```
{
  "code": 0,
  "msg": "Success"
  "result": {,
    "count": 4,
    "pageIndex": 1,
    "pageSize": 1,
    "list": [
      {
        "userId": 10000,
        "uuid": "a40dbee0-ce0c-42c5-b641-e280372540de",
        "username": "admin",
        "firstName": "",
        "lastName": "",
        "avatar": "",
        "email": "",
        "roleId": 10000,
        "groupId": 10000,
        "description": "",
        "enabled": true,
        "passwordChangeTimes": 1,
        "acronym": "A",
        "background": "#82006C",
        "lastPasswordChangeTime": "2024-08-07T09:40:29.758153+08:00",
        "password_expiry": false,
```

```

      "createdAt": "2024-08-07T09:39:19.733981+08:00",
      "updatedAt": "2024-08-14T15:03:41.15321+08:00"
    }
  ]
}
}
}

```

## 4.1.9 Get Session

### Description

Get session

### Usage

Request parameters	GET
URL	/api/v1/User/LoginSession
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
session	string	Session obtained during success
expire	string	session expiration time

### Examples

[GET http://192.168.100.127:8085/api/v1/User/LoginSession](http://192.168.100.127:8085/api/v1/User/LoginSession)

Returned message

```

{
  "code": 0,
  "msg": "Success",
  "result": {

```

```
    "session": "f43d443a-a1c9-453b-9b1d-7dec1eb312d4",
    "expire": "2024-08-13T16:03:51+08:00"
  }
}
```

#### 4.1.10 User Stay Alive

##### Description

The access\_token obtained through keep-alive login must be called before the access\_token expires. For specific mechanisms, refer to **Interface Description-》 API Authentication Mechanism.**

##### Usage

Request parameters	GET
URL	/api/v1/User/Keepalive
data	无

##### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

##### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
expire	string	session expiration time

##### Examples

GET <http://192.168.100.127:8085/api/v1/User/Keepalive>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {},
  "expire": "2024-08-13T16:21:06+08:00"
}
```

```

}
}

```

#### 4.1.11 User Profile

##### Data Format

key	Default value	Description
LiveViewProtocol	WS	Real-time video protocol
PlaybackProtocol	WS2	Playback video protocol
WatermarkContent	watermark	Watermark content
WatermarkStatus	false	Watermark switch
RTCEngine	v1	RTC engine
DeviceDisable	false	Show hidden
PictureQuality	true	Image quality selection
VideoBackgroundBlack	#222222	Black theme video background color
VideoBackgroundWhite	#494A4B	White theme video background color
VideoBackgroundDarkblue	#202731	Dark blue theme video background color
VideoAspectRatio	true	Maintain aspect ratio
Theme	black	Theme
WebclientAutoLogoutTime	15	Automatic logout time of web client
WebclientAutoLogoutTimeEnable	false	Enable automatic logout of the web client
BufferTime	0	Cache time
H264CPUDecode	false	H264 CPU decoding
MapCluster	false	Map aggregation

##### Description

Get user configuration information

##### Usage

Request parameters	GET
URL	/api/v1/UserConfig/Item
data	none

---

## Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Reference data format

## Examples

[GET http://192.168.100.127:8085/api/v1/UserConfig/Item](http://192.168.100.127:8085/api/v1/UserConfig/Item)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "id": 1,
      "key": "LiveViewProtocol",
      "value": "WS",
      "createdAt": "2024-08-07T09:39:19.736187+08:00",
      "updatedAt": "2024-08-07T09:39:19.736187+08:00"
    },
    {
      "id": 2,
      "key": "PlaybackProtocol",
      "value": "WS2",
      "createdAt": "2024-08-07T09:39:19.736187+08:00",
      "updatedAt": "2024-08-07T09:39:19.736187+08:00"
    },
    {
      "id": 3,
      "key": "WatermarkContent",
```



```
"value": "watermark",
"createdAt": "2024-08-07T09:39:19.736187+08:00",
"updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 4,
  "key": "WatermarkStatus",
  "value": "false",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 5,
  "key": "RTCEngine",
  "value": "v1",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 6,
  "key": "DeviceDisable",
  "value": "false",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 7,
  "key": "PictureQuality",
  "value": "true",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 8,
  "key": "VideoBackgroundBlack",
  "value": "#222222",
```

---

```
"createdAt": "2024-08-07T09:39:19.736187+08:00",
"updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 9,
  "key": "VideoBackgroundWhite",
  "value": "#494A4B",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 10,
  "key": "VideoBackgroundDarkblue",
  "value": "#202731",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 11,
  "key": "VideoAspectRatio",
  "value": "true",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 12,
  "key": "Theme",
  "value": "black",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
  "updatedAt": "2024-08-07T09:39:19.736187+08:00"
},
{
  "id": 13,
  "key": "WebclientAutoLogoutTime",
  "value": "15",
  "createdAt": "2024-08-07T09:39:19.736187+08:00",
```

```
    "updatedAt": "2024-08-07T09:39:19.736187+08:00"
  },
  {
    "id": 14,
    "key": "WebclientAutoLogoutTimeEnable",
    "value": "false",
    "createdAt": "2024-08-07T09:39:19.736187+08:00",
    "updatedAt": "2024-08-07T09:39:19.736187+08:00"
  },
  {
    "id": 15,
    "key": "BufferTime",
    "value": "0",
    "createdAt": "2024-08-07T09:39:19.736187+08:00",
    "updatedAt": "2024-08-07T09:39:19.736187+08:00"
  },
  {
    "id": 16,
    "key": "H264CPUDecode",
    "value": "false",
    "createdAt": "2024-08-07T09:39:19.736187+08:00",
    "updatedAt": "2024-08-07T09:39:19.736187+08:00"
  },
  {
    "id": 17,
    "key": "MapCluster",
    "value": "false",
    "createdAt": "2024-08-07T09:39:19.736187+08:00",
    "updatedAt": "2024-08-07T09:39:19.736187+08:00"
  }
]
}
```

---

## 4.1.12 Update User Configuration

### Description

Update user configuration

### Usage

Request parameters	PUT
URL	/api/v1/UserConfig/Item
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/UserConfig/Item](http://192.168.100.127:8085/api/v1/UserConfig/Item)

```
{  
  "key": "LiveViewProtocol",  
  "value": "ws"  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.2 Organization

## 4.2.1 Organization Data Format

### Data Format Description

The meaning of the organization json data format can be referred to in the following table:

Name	Type	Description
groupId	int	Organizational ID
uuid	string	Organizational uuid
parentId	string	The superior organization ID is 0, indicating that there is no superior
groupName	string	Organization Name
description	string	Internal field
roleId	int	Role ID
role	obj	Reference Role

### Examples

```
{
  "groupId": 10000,
  "uuid": "c7f13870-fdbe-4920-a404-8698069209cd",
  "parentId": 0,
  "groupName": "Root",
  "description": "",
  "roleId": 10000,
  "role": {
    "roleId": 10000,
    "uuid": "f3c43af2-8cbc-4c9f-9ef3-916e58cc1412",
    "name": "Administrator",
    "description": "Administrator role",
    "passwordLength": 6,
    "userLockTime": 600,
    "userLockLimit": 3,
    "userLockTimeAgain": 20,
    "passwordExpiryTime": 30,
    "passwordAlertTime": 7,
    "passwordExpiryChange": true,
  }
}
```

```

        "passwordRule": true,
        "passwordFirstChange": true,
        "devPartition": null,
        "funcGroup": null,
        "createdAt": "2024-08-12T09:10:56.333215+08:00",
        "updatedAt": "2024-08-12T09:10:56.333215+08:00"
    },
    "createdAt": "2024-08-12T09:10:56.435096+08:00",
    "updatedAt": "2024-08-12T09:10:56.435096+08:00",
    "children": null
}

```

## 4.2.2 Add Organization

### Description

Add organization

### Usage

Request parameters	POST
URL	/api/v1/Group/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Superior ID
roleId	int	must	Role ID
description	string	optional	Organizational description
groupName	string	must	Organization Name

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/Group/Item>

```

{
  "parentId": 10000,
  "roleId": 10000,
  "description": "G1 Description",
  "groupName": "G1"
}

```

Returned message

```

{
  "code": 0,
  "msg": "Success",
}

```

## 4.2.3 Organizational Acquisition

### Description

Get Organization

### Usage

Request parameters	GET
URL	/api/v1/Group/Item/\$1
data	Get Organization

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	obj	Reference organization data format

### Examples

[GET http://192.168.100.127:8085/api/v1/Group/Item/1000](http://192.168.100.127:8085/api/v1/Group/Item/1000)

---

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "groupId": 10000,
    "uuid": "c7f13870-fdbe-4920-a404-8698069209cd",
    "parentId": 0,
    "groupName": "Root",
    "description": "",
    "roleId": 10000,
    "role": {
      "roleId": 10000,
      "uuid": "f3c43af2-8cbc-4c9f-9ef3-916e58cc1412",
      "name": "Administrator",
      "description": "Administrator role",
      "passwordLength": 6,
      "userLockTime": 600,
      "userLockLimit": 3,
      "userLockTimeAgain": 20,
      "passwordExpiryTime": 30,
      "passwordAlertTime": 7,
      "passwordExpiryChange": true,
      "passwordRule": true,
      "passwordFirstChange": true,
      "devPartition": null,
      "funcGroup": null,
      "createdAt": "2024-08-12T09:10:56.333215+08:00",
      "updatedAt": "2024-08-12T09:10:56.333215+08:00"
    },
    "createdAt": "2024-08-12T09:10:56.435096+08:00",
    "updatedAt": "2024-08-12T09:10:56.435096+08:00",
    "children": null
  }
}
```



## 4.2.4 Organization Renewal

### Description

Update Organization

### Usage

Request parameters	PUT
URL	/api/v1/Group/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Superior ID
roleId	int	must	Role ID
description	string	must	Organizational description
groupName	string	must	Organization Name

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/Group/Item](http://192.168.100.127:8085/api/v1/Group/Item)

```
{
  "parentId": 0,
  "roleId": 10000,
  "description": "group description",
  "groupName": "group1"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

---

## 4.2.5 Organizational Deletion

### Description

Delete organization

### Usage

Request parameters	DELETE
URL	/api/v1/Group/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Organizational ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/Group/Item](http://192.168.100.127:8085/api/v1/Group/Item)

```
{  
  "ids": [10001]  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success",  
}
```

## 4.2.6 Obtain The Organization List

### Description

Get Organization

### Usage

Request parameters	GET
--------------------	-----

---

URL	/api/v1/Group/List
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Reference organization data format

### Examples

[GET http://192.168.100.127:8085/api/v1/Group/List](http://192.168.100.127:8085/api/v1/Group/List)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "groupId": 10000,
      "uuid": "faf013e9-c97d-45e0-ae2c-d171104544e8",
      "parentId": 0,
      "groupName": "Root",
      "description": "",
      "roleId": 10000,
      "role": {
        "roleId": 10000,
        "uuid": "2bcd3c4d-373d-47c2-91f5-8bff26406333",
        "name": "Administrator",
        "description": "Administrator role",
        "passwordLength": 6,

```

---

```
    "userLockTime": 600,
    "userLockLimit": 3,
    "userLockTimeAgain": 20,
    "passwordExpiryTime": 30,
    "passwordAlertTime": 7,
    "passwordExpiryChange": true,
    "passwordRule": true,
    "passwordFirstChange": true,
    "devPartition": null,
    "funcGroup": null,
    "createdAt": "2024-08-07T09:39:19.316917+08:00",
    "updatedAt": "2024-08-07T09:39:19.316917+08:00"
  },
  "createdAt": "2024-08-07T09:39:19.372466+08:00",
  "updatedAt": "2024-08-07T09:39:19.372466+08:00",
  "children": [
    {
      "groupId": 10001,
      "uuid": "8ced28c2-b755-4423-b778-0ba482e76dba",
      "parentId": 10000,
      "groupName": "G1",
      "description": "G1 Description",
      "roleId": 10000,
      "role": {
        "roleId": 10000,
        "uuid": "2bcd3c4d-373d-47c2-91f5-8bff26406333",
        "name": "Administrator",
        "description": "Administrator role",
        "passwordLength": 6,
        "userLockTime": 600,
        "userLockLimit": 3,
        "userLockTimeAgain": 20,
        "passwordExpiryTime": 30,
        "passwordAlertTime": 7,
        "passwordExpiryChange": true,
```

```

        "passwordRule": true,
        "passwordFirstChange": true,
        "devPartition": null,
        "funcGroup": null,
        "createdAt": "2024-08-07T09:39:19.316917+08:00",
        "updatedAt": "2024-08-07T09:39:19.316917+08:00"
    },
    "createdAt": "2024-08-14T15:49:10.167422+08:00",
    "updatedAt": "0001-01-01T00:00:00Z",
    "children": []
}
]
}
]
}

```

## 4.3 Role

### 4.3.1 Roles

#### Description

Roles

#### Usage

Request parameters	none
URL	none
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

#### Response

Name	Type	Description
roleId	int	Role ID
uuid	string	Role uuid
name	string	Name

description	string	Role description
passwordLength	int	Minimum password length
userLockTime	int	Account lockout duration (unit: second)
userLockLimit	int	Account lockout
userLockTimeAgain	int	Time period for account re-locking (unit: minute)
passwordExpiryTime	int	Password expiration time (unit: day)
passwordAlertTime	int	Password expiration reminder time (unit: day)
passwordExpiryChange	bool	Password expiration forced modification
passwordRule	bool	Enable account password validity rules
passwordFirstChange	bool	First login to change password
devPartition	array	Refer to the data format of equipment partition
funcGroup	array	Reference permission list data format

### 4.3.2 Role Addition

#### Description

Add role

#### Usage

Request parameters	POST
URL	/api/v1/Role/Item
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
roleName	string	must	Name
description	string	optional	Role description
funcGroupIds	array	must	Internal field
devPartitionIds	array	must	Device partition id

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Role/Item](http://192.168.100.127:8085/api/v1/Role/Item)

```
{
  "roleName": "operator1",
  "description": "Administrator role",
  "funcGroupIds": [],
  "devPartitionIds": []
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success",
}
```

### 4.3.3 Role Acquisition

#### Description

Get role

#### Usage

Request parameters	GET
URL	/api/v1/Role/Item/\$1
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
&1	int	must	Role ID

#### Response

Name	Type	Description
code	int	0 indicates success

---

msg	string	Specific description success or failure
result	object	Reference role data format

## Examples

[GET http://192.168.100.127:8085/api/v1/Role/Item/10001](http://192.168.100.127:8085/api/v1/Role/Item/10001)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "roleId": 10001,
    "uuid": "124fcd02-1e4e-4250-bf4b-8698a92ebd7b",
    "name": "operator",
    "description": "operator role",
    "passwordLength": 6,
    "userLockTime": 600,
    "userLockLimit": 3,
    "userLockTimeAgain": 20,
    "passwordExpiryTime": 30,
    "passwordAlertTime": 7,
    "passwordExpiryChange": true,
    "passwordRule": true,
    "passwordFirstChange": false,
    "devPartition": [
      {
        "devPartitionId": 10000,
        "uuid": "79971bb0-126b-419d-abf0-8f7066d47873",
        "enableGB": false,
        "parentId": 0,
        "devPartitionName": "Root",
        "description": "",
        "disOrder": 0,
        "dev": null,
        "casDev": null,

```



```

        "map": null,
        "view": null,
        "accessDev": null,
        "createdAt": "2024-08-07T09:39:20.112366+08:00",
        "updatedAt": "2024-08-15T14:48:20.943597+08:00",
        "children": null
    }
},
"funcGroup": [],
"createdAt": "2024-08-15T14:14:04.985919+08:00",
"updatedAt": "2024-08-15T14:48:20.936757+08:00"
}
}

```

#### 4.3.4 Role Update

##### Description

Update Role

##### Usage

Request parameters	PUT
URL	/api/v1/Role/Item
data	application/json;charset=UTF-8

##### Parameters

Name	Type	Parameter mandatory	Description
roleName	string	must	Name
description	string	optional	Role description
funcGroupIds	array	must	Permission ID
devPartitionIds	array	must	Device partition id

##### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

##### Examples

---

[PUT http://192.168.100.127:8085/api/v1/Role/Item](http://192.168.100.127:8085/api/v1/Role/Item)

```
{  
  "roleName": "operator1",  
  "description": "Administrator role",  
  "funcGroupIds": [],  
  "devPartitionIds": []  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

### 4.3.5 Role Deletion

#### Description

Remove role

#### Usage

Request parameters	PUT
URL	/api/v1/Role/Item
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Role ID

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[DELETEhttp://192.168.100.127:8085/api/v1/Role/Item](http://192.168.100.127:8085/api/v1/Role/Item)

```
{
  "ids": [10003]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.3.6 Role List Acquisition

### Description

Get the list of roles

### Usage

Request parameters	GET
URL	/api/v1/Role/Item/\$1
data	none

### Parameters

Name	Type	Parameter mandatory	Description
pageSize	int	optional	Number of data per page: 10 by default
pageIndex	int	optional	Page default first page

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
count	int	How many data are there in total
pageSize	int	How many data per page
pageIndex	int	What page is it
list	array	Reference role data format

### Examples

[GET http://192.168.100.127:8085/api/v1/Role/List?pageSize=100](http://192.168.100.127:8085/api/v1/Role/List?pageSize=100)

---

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 3,
    "pageIndex": 1,
    "pageSize": 100,
    "list": [
      {
        "roleId": 10000,
        "uuid": "2bcd3c4d-373d-47c2-91f5-8bff26406333",
        "name": "Administrator",
        "description": "Administrator role",
        "passwordLength": 6,
        "userLockTime": 600,
        "userLockLimit": 3,
        "userLockTimeAgain": 20,
        "passwordExpiryTime": 30,
        "passwordAlertTime": 7,
        "passwordExpiryChange": true,
        "passwordRule": true,
        "passwordFirstChange": true,
        "devPartition": null,
        "funcGroup": null,
        "createdAt": "2024-08-07T09:39:19.316917+08:00",
        "updatedAt": "2024-08-07T09:39:19.316917+08:00"
      }
    ]
  }
}
```

### 4.3.7 Role Configuration Update

#### Description

Update role configuration

#### Usage

Request parameters	PUT
URL	/api/v1/Role/Config/10000
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
passwordLength	int	must	Minimum password length
userLockTime	int	must	Account lockout duration (unit: second)
userLockLimit	int	must	Account lockout
userLockTimeAgain	int	must	Time for account to be locked again (unit: minute)
passwordExpiryTime	int	must	Password expiration time (unit: day)
passwordAlertTime	int	must	Password expiration reminder time (unit: day)
passwordExpiryChange	bool	must	Password expiration and mandatory modification
passwordRule	bool	must	Enable the account password validity rule
passwordFirstChange	bool	must	First login to change password

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

---

[PUT http://192.168.100.127:8085/api/v1/Role/Config/10000](http://192.168.100.127:8085/api/v1/Role/Config/10000)

```
{
  "passwordLength":5,
  "userLockTime": 600,
  "userLockLimit": 3,
  "userLockTimeAgain": 20,
  "passwordExpiryTime":30,
  "passwordAlertTime": 7,
  "passwordExpiryChange": true,
  "passwordRule": true,
  "passwordFirstChange":false
}Returned message
{
  "code": 0,
  "msg": "Success"
}
```

## 4.4 Equipment Partition Management

### 4.4.1 Data Format Of Equipment Partition

#### Data format description

Name	Type	Description
devPartitionId	int	Device partition id
uuid	string	Device partition UUID
enableGB	bool	Internal field
description	string	Equipment partition description
parentId	int	Superior equipment partition id
devPartitionName	string	Name of equipment partition
disOrder	int	Internal field
dev	object	Refer to the equipment data format
casDev	object	Reference cascade device data format
map	object	Reference map data format

view	object	Reference view data format
accessDev	object	Refer to the data format of access control equipment
createdAt	string	Internal field
updatedAt	string	Internal field
children	object	Lower level data

## 4.4.2 Add Device Partition

### Description

Add device partition

### Usage

Request parameters	POST
URL	/api/v1/DevPartition/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Superior device partition id
description	string	optional	Description of equipment partition
devPartitionName	string	must	Name of equipment partition

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/DevPartition/Item>

```
{
  "parentId": 1000,
```

```

    "description": "G1 Description",
    "devPartitionName": "G1"
}Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 4.4.3 Device Partition Acquisition

### Description

Get device partition

### Usage

Request parameters	GET
URL	/api/v1/DevPartition/Item/\$1
data	none

### Parameters

Name	Type	Parameter mandatory	Description
&1	int	must	Device partition id

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	object	Refer to the data format of the device partition

### Examples

[GET http://192.168.100.127:8085/api/v1/DevPartition/Item/10001](http://192.168.100.127:8085/api/v1/DevPartition/Item/10001)

Returned message

```

{
    "code": 0,
    "msg": "Success",
    "result": {
        "devPartitionId": 10000,

```



```

    "uuid": "f4d1380a-1c5a-462c-8b88-36c6166c8cfe",
    "enableGB": false,
    "parentId": 0,
    "devPartitionName": "Root",
    "description": "",
    "disOrder": 0,
    "dev": [],
    "casDev": [],
    "map": [],
    "view": [],
    "accessDev": [],
    "createdAt": "2024-08-15T17:10:15.116645+08:00",
    "updatedAt": "2024-08-15T17:16:46.458873+08:00",
    "children": null
  }
}

```

#### 4.4.4 Device Partition Update

##### Description

Update device partition

##### Usage

Request parameters	PUT
URL	/api/v1/DevPartition/Item/\$1
data	application/json;charset=UTF-8

##### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Superior device partition id
description	string	optional	Description of equipment partition
devPartitionName	string	must	Name of equipment partition

##### Response

Name	Type	Description
------	------	-------------

code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/DevPartition/Item/1000](http://192.168.100.127:8085/api/v1/DevPartition/Item/1000)

```
{
  "parentId": 10000,
  "description": "Root sdfsd",
  "devPartitionName": "Root"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.4.5 Delete Device Partition

### Description

Delete device partition

### Usage

Request parameters	DELETE
URL	/api/v1/DevPartition/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Device partition id

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/DevPartition/Item](http://192.168.100.127:8085/api/v1/DevPartition/Item)

```
{
  "ids": [10003]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.4.6 Obtaining The List Of Device Partitions

### Description

Get the device partition list

### Usage

Request parameters	GET
URL	/api/v1/DevPartition/List
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Device partition data format

### Examples

[GET http://192.168.100.127:8085/api/v1/DevPartition/List](http://192.168.100.127:8085/api/v1/DevPartition/List)

Returned message

```
{
```

```

"code": 0,
"msg": "Success",
"result": [
  {
    "devPartitionId": 10000,
    "uuid": "f4d1380a-1c5a-462c-8b88-36c6166c8cfe",
    "enableGB": false,
    "parentId": 0,
    "devPartitionName": "Root",
    "description": "",
    "disOrder": 0,
    "dev": [],
    "casDev": [],
    "map": [],
    "view": [],
    "accessDev": [],
    "createdAt": "2024-08-15T17:10:15.116645+08:00",
    "updatedAt": "2024-08-16T09:37:08.157722+08:00",
    "children": []
  }
]
}

```

#### 4.4.7 Equipment Partition Moving Position

##### Description

Equipment partition movement location

##### Usage

Request parameters	PUT
URL	/api/v1/DevPartition/Move
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
origDevPartitionId	int	must	Partition ID of the mobile device

toDevPartitionId	int	must	Partition ID of the mobile device
------------------	-----	------	-----------------------------------

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/DevPartition/Move?origDevPartitionId=10002&toDevPartitionId=10004](http://192.168.100.127:8085/api/v1/DevPartition/Move?origDevPartitionId=10002&toDevPartitionId=10004)

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.5 Logical Partition Management

### 4.5.1 Logical Partition Data Format

#### Data format description

Name	Type	Description
id	int	Logical partition ID
uuid	string	Logical partition uuid
enableGB	bool	Internal field
description	string	Logical partition description
parentId	int	Superior logical partition ID 0 represents the current root node
logicPartitionName	string	Logical partition name
disOrder	int	Internal field
channel	object	Reference channel data format
createdAt	string	Internal field
updatedAt	string	Internal field

children	object	Lower level data
----------	--------	------------------

## 4.5.2 Logical Partition Addition

### Description

Add logical partition

### Usage

Request parameters	POST
URL	/api/v1/LogicPartition/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Superior logical partition ID
description	string	optional	Logical partition description
logicPartitionName	string	must	Logical partition name
channel	array	must	The token of the channel

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/LogicPartition/Item>

```
{
  "parentId":0 ,
  "description": "G1 Description",
  "logicPartitionName": "z1" ,
  "channel": ["30ad200f-1a06-412b-9c9a-25f5c66beed2--34"]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 4.5.3 Logical Partition Retrieval

#### Description

Get logical partition

#### Usage

Request parameters	GET
URL	/api/v1/LogicPartition/Item/\$1
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
&1	int	must	Logical partition id

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	object	Refer to the logical partition data format

#### Examples

GET <http://192.168.100.127:8085/api/v1/DevPartition/Item/10000>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "id": 10000,
    "uuid": "e0983f32-91bb-425d-b2bb-0a974a6c6bbb",
    "enableGB": false,
  }
}
```

---

```
"parentId": 0,
"logicPartitionName": "z1",
"description": "G1 Description",
"disOrder": 1,
"channel": [
  {
    "uuid": "5ce2d2f7-ad9e-4107-a08e-d9d5f4ffe24d",
    "token": "5b60a901-d136-4b07-867a-05db00673039--36",
    "chanNo": 4,
    "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
    "devChannel": "36",
    "parentToken": "5b60a901-d136-4b07-867a-05db00673039",
    "rootParent": "5b60a901-d136-4b07-867a-05db00673039",
    "name": "114",
    "type": "H5_CH_DEV",
    "enabled": true,
    "metaEnabled": false,
    "idle": false,
    "online": true,
    "recording": false,
    "description": "",
    "dome": false,
    "alias": "",
    "longitude": "",
    "latitude": "",
    "chanType": "USC_CHAN_CAMERA",
    "setting": {
      "schedRecEnable": false,
      "schedRecTemplate": "",
      "manualRecEnable": false
    },
    "createdAt": "2024-08-16T11:21:25.331055+08:00",
    "updatedAt": "2024-08-16T11:21:25.427189+08:00"
  }
],
"createdAt": "2024-08-16T11:20:26.799358+08:00",
```



```

      "updatedAt": "2024-08-16T11:24:17.653984+08:00",
      "children": null
    }
  }
}

```

#### 4.5.4 Logical Partition Update

##### Description

Update logical partition

##### Usage

Request parameters	PUT
URL	/api/v1/LogicPartition/Item/\$1
data	application/json;charset=UTF-8

##### Parameters

Name	Type	Parameter mandatory	Description
parentId	int	must	Parent logical partition id
description	string	optional	Logical partition description
logicPartitionName	string	must	Logical partition name
channel	array	must	Channel token

##### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

##### Examples

[PUT http://192.168.100.127:8085/api/v1/LogicPartition/Item/1000](http://192.168.100.127:8085/api/v1/LogicPartition/Item/1000)

```

{
  "parentId": 0,
  "description": "G1 Description",
  "logicPartitionName": "G2" ,
  "channel": ["30ad200f-1a06-412b-9c9a-25f5c66beed2--35"]
}

```

---

```
}  
Returned message  
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.5.5 Logical Partition Deletion

### Description

Delete logical partition

### Usage

Request parameters	DELETE
URL	/api/v1/LogicPartition/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Logical partition id

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[DELETE http://192.168.100.127:8085/api/v1/LogicPartition/Item](http://192.168.100.127:8085/api/v1/LogicPartition/Item)

```
{  
  "ids": [10000]  
}  
Returned message  
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.5.6 Obtaining The List Of Logical Partitions

### Description

Get the list of logical partitions

### Usage

Request parameters	GET
URL	/api/v1/LogicPartition/List
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Logical partition data format

### Examples

GET <http://192.168.100.127:8085/api/v1/LogicPartition/List>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "id": 10000,
      "uuid": "e0983f32-91bb-425d-b2bb-0a974a6c6bbb",
      "enableGB": false,
      "parentId": 0,
      "logicPartitionName": "G2",
      "description": "G1 Description",
      "disOrder": 1,
    }
  ]
}
```

```

        "channel": [],
        "createdAt": "2024-08-16T11:20:26.799358+08:00",
        "updatedAt": "2024-08-16T11:36:03.150527+08:00",
        "children": []
    }
]
}

```

## 4.5.7 Logical Partition Move Location

### Description

Logical partition move location

### Usage

Request parameters	PUT
URL	/api/v1/LogicPartition/Move
data	none

### Parameters

Name	Type	Parameter mandatory	Description
origLogicPartitionId	int	must	The logical backup partition ID of the mobile device
toLogicPartitionId	int	must	Logical partition id of the move

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

PUT <http://192.168.100.127:8085/api/v1/LogicPartition/Move?origLogicPartitionId=10002&toLogicPartitionId=10004>

Returned message

```

{
  "code": 0,
  "msg": "Success"
}

```

}

## 4.6 Maintenance

### Operation Log

Get operation logs

### Usage

Request parameters	POST
URL	/api/v1/UscLog/List
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
username	string	optional	User name
beginTime	string	must	Start time
endTime	string	must	End time
moduleType	string	optional	Module type
pageSize	int	optional	How many data per page? 10 by default
pageIndex	int	optional	Page default to the first page

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
count	int	How many data are there in total
pageSize	int	How many data per page
pageIndex	int	What page is it
id	int	Log ID
username	string	User name
clientIp	string	Client IP
logLevel	string	Log level
logCode	string	Status code

time	string	Time
moduleType	string	Module type
operation	string	Operation
OperateResult	string	Operation result
createdAt	string	Internal field
updatedAt	string	Internal field

## Examples

[POST http://192.168.100.127:8085/api/v1/UscLog/List](http://192.168.100.127:8085/api/v1/UscLog/List)

```
{
  "username": "admin",
  "beginTime": "2023-08-16T00:00:00+08:00",
  "endTime": "2024-08-16T23:59:59+08:00",
  "moduleType": "login_manage",
  "pageSize": 1,
  "pageIndex": 1
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 12,
    "pageIndex": 1,
    "pageSize": 1,
    "list": [
      {
        "id": 1,
        "username": "admin",
        "clientIp": "::1",
        "logLevel": "informational",
        "logCode": 0,
        "time": "2024-08-15T17:10:59+08:00",

```

```
        "moduleType": "login_manage",
        "operation": "login",
        "OperateResult": "success",
        "createdAt": "2024-08-15T17:11:00.045133+08:00",
        "updatedAt": "2024-08-15T17:11:00.045133+08:00"
    }
}
}
```

## 4.7 Translate

### Description

Obtain the translated document

### Usage

Request parameters	GET
URL	/api/v1/Languages/GetLanguages
data	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Languages/GetLanguages](http://192.168.100.127:8085/api/v1/Languages/GetLanguages)

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

---

## 4.8 System Configuration

### 4.8.1 System Configuration Acquisition

#### Description

Get system configuration

#### Usage

Request parameters	GET
URL	/api/v1/SysConfig/Item
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
module	string	optional	Module type
pageSize	int	optional	How many data per page Default 10
pageIndex	int	optional	Page default first page

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
count	int	How many data are there in total
pageSize	int	How many data per page
pageIndex	int	What page is it
id	int	System configuration id
key	string	Parameter Name
value	string	Parameter values
rebootServer	string	Need to restart the service
module	string	Module type
description	string	System configuration description
parameter_range	string	Value range limitation
updatedAt	string	Internal field



createdAt	string	Internal field
-----------	--------	----------------

## Examples

GET <http://192.168.100.127:8085/api/v1/SysConfig/Item?module=system&pageSize=1&pageIndex=1>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 3,
    "pageIndex": 1,
    "pageSize": 1,
    "list": [
      {
        "id": 1,
        "module": "system",
        "rebootServer": true,
        "key": "LogRetentionTime",
        "value": "365",
        "description": "Log retention days",
        "parameter_range": ">1",
        "createdAt": "2024-08-15T17:10:14.162751+08:00",
        "updatedAt": "2024-08-15T17:10:14.162751+08:00"
      }
    ]
  }
}
```

## 4.8.2 System Configuration Modification

### Description

Modify the system configuration

### Usage

Request parameters	PUT
--------------------	-----

URL	/api/v1/SysConfig/Item
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
key	string	must	Parameter Name
value	string	must	Parameter values

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/SysConfig/Item](http://192.168.100.127:8085/api/v1/SysConfig/Item)

```
{
  "key": "LogRetentionTime",
  "value": "365"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.9 Custom Theme Icon

### Description

Customize Icon

### Usage

Request parameters	POST
URL	/api/v1/Customization/Icon
data	application/json;charset=UTF-8

## Parameters

Name	Type	Parameter mandatory	Description
logoBase64	string	must	Icon's base64 code

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

POST <http://192.168.100.127:8085/api/v1/Customization/Icon>

```
{
  "logoBase64": "Base64 code of the image"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.10 LoginLogo

### Description

Customize Login Logo

### Usage

Request parameters	POST
URL	/api/v1/Customization/LoginLogo
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
logoBase64	string	must	Icon's base64 code
language	string	must	Language

---

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Customization/LoginLogo](http://192.168.100.127:8085/api/v1/Customization/LoginLogo)

```
{  
  "language": "Zh",  
  "logoBase64": "Base64 code of the image"  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.11 Logo

### Description

Custom Logo

### Usage

Request parameters	POST
URL	/api/v1/Customization/Logo
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
logoBase64	string	must	Icon's base64 code
language	string	must	Language
ThemeColors	string	must	Theme color

### Response

Name	Type	Description
------	------	-------------

code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Customization/Logo](http://192.168.100.127:8085/api/v1/Customization/Logo)

```
{
  "language": "Zh",
  "ThemeColors": "white",
  "logoBase64": "Base64 code of the image"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.12 Title

### Description

Custom Title

### Usage

Request parameters	POST
URL	/api/v1/Customization/Title
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
title	string	must	title content
language	string	must	Language

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

---

## Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Title](http://192.168.100.127:8085/api/v1/Customization/Title)

```
{  
  "language": "Zh",  
  "title": "USC unified security|WEB"  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.13 Copyright

### Description

Custom Copyright

### Usage

Request parameters	POST
URL	/api/v1/Customization/Copyright
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
copyright	string	must	The content of copyright

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Copyright](http://192.168.100.127:8085/api/v1/Customization/Copyright)

```
{
```

```

    "copyright": "2024 © linkingvision.com"
  }
  Returned message
  {
    "code": 0,
    "msg": "Success"
  }

```

## 4.14 Reset Icon

### Description

Reset Icon

### Usage

Request parameters	GET
URL	/api/v1/Customization/Restore/Icon
data	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Restore/Icon](http://192.168.100.127:8085/api/v1/Customization/Restore/Icon)

```

Returned message
{
  "code": 0,
  "msg": "Success"
}

```

## 4.15 Reset LoginLogo

### Description

Reset LoginLogo

### Usage

Request parameters	GET
--------------------	-----

---

URL	/api/v1/Customization/Restore/LoginLogo
data	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Restore/LoginLogo](http://192.168.100.127:8085/api/v1/Customization/Restore/LoginLogo)

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 4.16 Reset Logo

### Description

Reset Logo

### Usage

Request parameters	GET
URL	/api/v1/Customization/Restore/Logo
data	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Restore/Logo](http://192.168.100.127:8085/api/v1/Customization/Restore/Logo)

Returned message



```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.17 Reset Title

### Description

Reset Title

### Usage

Request parameters	GET
URL	/api/v1/Customization/Restore/Title
data	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Restore/Title](http://192.168.100.127:8085/api/v1/Customization/Restore/Title)

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 4.18 Reset Copyright

### Description

Reset Copyright

### Usage

Request parameters	GET
URL	/api/v1/Customization/Restore/Copyright
data	none

---

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[GET http://192.168.100.127:8085/api/v1/Customization/Restore/Copyright](http://192.168.100.127:8085/api/v1/Customization/Restore/Copyright)

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 5.Device

---

---

## 5 Device

### 5.1 Access Device

#### 5.1.1 Data Format Of Access Device

##### Data Format Of Access Device

Name	Type	Description
accessDevId	int	Access device ID
devPartitionId	int	Device partition ID
uuid	string	Access device uuid
type	string	Access device type
nodeId	string	Server ID
protocol	string	Protocol http/https
ip	string	IP address of access device
port	string	Port of access device
accessToken	string	Authentication code
enabled	bool	Is it enabled
online	bool	Is it online
description	string	Description of access device
accessController	string	Access control controller information

#### 5.1.2 Get Access Device List

##### Description

Get Access Device List.

##### Usage

Request parameters	GET
URL	/api/v1/AccessDevice/List
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
pageSize	int	How many pieces of data per page
pageIndex	int	What page is it
list	object	Reference access device list

## Examples

[GET http://192.168.100.127:8085/api/v1/AccessDevice/List](http://192.168.100.127:8085/api/v1/AccessDevice/List)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 1,
    "pageIndex": 1,
    "pageSize": 10,
    "list": [
      {
        "accessDevId": 5,
        "devPartitionId": 10000,
        "uuid": "1091d94a-8034-4740-b4e0-3101723f4dcb",
        "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
        "type": "ZK6000",
        "name": "Access1",
        "protocol": "https",
        "ip": "192.168.100.170",
        "port": "8098",
        "accessToken": "BBA43ED398E1FB8AD4573E4E7491BE8D",
        "enabled": false,
        "online": true,
        "description": "AccessDevice description",

```

```

        "accessController": null,
        "createdAt": "2024-09-10T17:27:22.047038+08:00",
        "updatedAt": "2024-09-10T17:27:22.169103+08:00"
    }
}
}
}

```

### 5.1.3 Get Access Device

#### Description

Get Access Device.

#### Usage

Request parameters	GET
URL	/api/v1/AccessDevice/&1
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	object	Reference access device list

#### Examples

[GET http://192.168.100.127:8085/api/v1/AccessDevice/1](http://192.168.100.127:8085/api/v1/AccessDevice/1)

Returned message

```

{
  "code": 0,
  "msg": "Success",
  "result": {

```

```
"accessDevId": 6,
"devPartitionId": 10000,
"uuid": "8a1233e6-ff41-4697-8e70-910509d65ad2",
"nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
"type": "ZK6000",
"name": "Access1",
"protocol": "https",
"ip": "192.168.100.170",
"port": "8098",
"accessToken": "BBA43ED398E1FB8AD4573E4E7491BE8D",
"enabled": false,
"online": true,
"description": "AccessDevice description",
"accessController": [
  {
    "accessControllerId": 4,
    "accessDevId": 6,
    "uuid": "f2b97370-255f-4667-ab8f-5321515a1ccc",
    "token": "4028e42a9154d3330191550dc3e20015",
    "name": "192.168.100.205",
    "sn": "AK6L222760133",
    "type": "K2-200",
    "online": true,
    "module": "acc",
    "Doors": [
      {
        "id": 7,
        "controllerId": 4,
        "uuid": "1f443ec9-da5d-4866-8dee-7634e0e46a78",
        "token": "4028e42a9154d3330191550dc43d004d",
        "name": "192.168.100.205-1",
        "controlUUID": "4028e42a9154d3330191550dc3e20015",
        "connect": "0",
        "sensor": "0",
        "alarm": "0",
        "relay": "0",
        "Readers": [
          {
```

```

        "id": 25,
        "DoorId": 7,
        "doorUUID": "4028e42a9154d3330191550dc43d004d",
        "uuid": "fda3b562-8bf5-47cb-83f9-02ea9cbf0e44",
        "token": "4028e42a9154d3330191550dc43e004f",
        "name": "192.168.100.205-1-入",
        "readerNo": 1,
        "readerState": 0
    },
    {
        "id": 26,
        "DoorId": 7,
        "doorUUID": "4028e42a9154d3330191550dc43d004d",
        "uuid": "5cc2397d-f453-4f73-9794-aba8f661bdf5",
        "token": "4028e42a9154d3330191550dc43e0050",
        "name": "192.168.100.205-1-出",
        "readerNo": 2,
        "readerState": 1
    }
]
},

```

## 5.1.4 Add Access Device

### Description

Add Access Device.

### Usage

Request parameters	POST
URL	/api/v1/AccessDevice
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
devPartitionId	int	must	Device partition ID
type	string	must	Access device type
name	string	must	Name
protocol	string	must	Protocol http/https



ip	string	must	Access device ip
port	string	must	Port of access device
accessToken	string	must	Authentication code
description	string	must	Description of access device

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/AccessDevice](http://192.168.100.127:8085/api/v1/AccessDevice)

```
{
  "devPartitionId": 10000,
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "type": "ZK6000",
  "name": "zk6000",
  "protocol": "https",
  "ip": "192.168.100.170",
  "port": "8098",
  "accessToken": "BBA43ED398E1FB8AD4573E4E7491BE8D",
  "description": "description"
}
```

}

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 5.1.5 Modify Access Device

#### Description

Modify Access Device.

#### Usage

Request parameters	PUT
URL	/api/v1/AccessDevice
data	application/json;charset=UTF-8

## Parameters

Name	Type	Parameter mandatory	Description
accessDevId	int	must	Access device ID
devPartitionId	int	must	Device partition ID
name	string	must	Name
protocol	string	must	Protocol http/https
ip	string	must	Access device ip
port	string	must	Port of access device
accessToken	string	must	Authentication code
description	string	must	Description of access device

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/AccessDevice](http://192.168.100.127:8085/api/v1/AccessDevice)

```
{
  "accessDevId":2,
  "devPartitionId": 10000,
  "name": "zk60020",
  "protocol":"https",
  "ip": "192.168.100.130",
  "port":"8098",
  "accessToken": "E8B12C9A59279819027C3E2E70D921AE",
  "description": "description"
```

```

}
Returned message
{
  "code": 0,
  "msg": "Success"
}

```

## 5.1.6 Delete Access Device

### Description

Delete Access Device.

### Usage

Request parameters	DELETE
URL	/api/v1/accessdevice
data	application/json;charset=utf-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Access device ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[DELETE http://192.168.100.127:8085/api/v1/AccessDevice](http://192.168.100.127:8085/api/v1/AccessDevice)

```

{
  "ids": [4]
}
Returned message
{
  "code": 0,
  "msg": "Success"
}

```

---

}

## 5.1.7 Remote Door Opening

### Description

Remote Door Opening.

### Usage

Request parameters	POST
URL	/api/v1/AccessDevice/RemoteOpenDoor
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
doorUUID	string	must	Door uuid
accessToken	string	must	Authentication code
interval	int	must	Opening time

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/AccessDevice/RemoteOpenDoor>

```
{  
  "doorToken": "4028e42a9154d3330191550dc43e004e",  
  "accessToken": "B7836547237FA0B936E8F046D32B56D0",  
  "interval": 5  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

## 5.1.8 Remote Door Closing

### Description

Remote Door Closing.

### Usage

Request parameters	POST
URL	/api/v1/AccessDevice/RemoteCloseDoor
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
doorUUID	string	must	Door uuid
accessToken	string	must	Authentication code

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[POST http://192.168.100.127:8085/api/v1/AccessDevice/RemoteCloseDoor](http://192.168.100.127:8085/api/v1/AccessDevice/RemoteCloseDoor)

```
{
  "doorToken": "402870818fa87244018fa87f9b0907223",
  "accessToken": "17D8F99B56B90856D8E60BEA2FE14D90"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

---

## 5.2 Device Management

### 5.2.1 Device Data Format

#### Device Data Format

The device contains one or more video sources (also known as channels). The type of video source generated by the device is H5\_CH\_DEV. The data for a single device is in the json data format. nType indicates the type of video source. The types can be referenced in the following table:

Type	Description
H5_DEV_HIK	Hikvision Device SDK
H5_DEV_DH	Dahua Device SDK
H5_DEV_UNV	UNV Device SDK
H5_DEV_HIKINFOV	Hikvision INFO Vision Platform
H5_DEV_HIKISC	Hikvision ISC platform
H5_DEV_TD	Tiandy Device SDK
H5_DEV_DHDSS	Dahua DSS platform
H5_DEV_IVS	Huawei IVS
H5_DEV_RTSP	RTSP
H5_DEV_ONVIF	ONVIF
H5_DEV_FILE	File

The meaning of the video source json data format can be referred to in the following table:

Name	Type	Description
devPartitionId	int	Set partition device id
nodeId	string	Server ID
setToken	bool	Modify token
name	string	Device name
token	string	The device token is the unique identifier of the device
username	string	User name
password	string	Password
devIP	string	Device IP address
devPort	string	Device port

enableAudio	bool	Whether to enable audio
maxChannel	int	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
centralRecord	bool	Whether it is a central video recording, Hikvision ISC and Hikvision INFO Vision are applicable
sandbox	bool	Whether to enable Sandbox mode
isApi	bool	Whether to enable ISAPI mode, applicable to Hikvision device SDK
VMS	bool	Whether it is VMS, applicable to VMS of Uniview, and when false, it is Uniview NVR
online	bool	Whether the equipment is online
description	string	Device description

## 5.2.2 Add Dh Device

### Description

Add Dahua SDK device

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/Dh
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address

devPort	string	must	Device port
enableAudio	bool	must	Whether to enable audio
description	string	must	Device Description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode
subEvent	bool	optional	Whether to enable event subscription
apiPort	int	optional	API port
apiHttps	bool	optional	Whether to enable https
maxChannel	int	optional	The maximum number of channels, 0 indicates unlimited, and others are the maximum number of channels loaded
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Dh](http://192.168.100.127:8085/api/v1/Device/Add/Dh)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devdh210",
  "username": "admin",
```



```

    "password": "admin12345",
    "devIP": "192.168.100.210",
    "devPort": "37777",
    "enableAudio": false,
    "description": "test dh device",
    "enabled": true,
    "sandbox": false,
    "subEvent": false,
    "apiPort": 80,
    "apiHttps": false,
    "maxChannel": 0
  }

```

Returned message

```

{
  "code": 0,
  "msg": "Success"
}

```

### 5.2.3 Add lvs Device

#### Description

Add Huawei lvs device

#### Usage

Request parameters	POST
URL	/api/v1/Device/Add/lvs
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name

password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
rBufferTime	int	optional	Cache time

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Ivs](http://192.168.100.127:8085/api/v1/Device/Add/Ivs)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devivs210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test ivs device",
}
```

```

    "enabled": true,
    "maxChannel": 0,
    "sandbox": false,
    "rBufferTime": 200
}Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 5.2.4 Add Hik Device

### Description

Add Hikvision SDK device

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/Hik
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable

isApi	bool	optional	Whether to enable ISAPI
sandbox	bool	optional	Whether to enable Sandbox mode
subEvent	bool	optional	Whether to enable event subscription
apiPort	int	optional	API port
apiHttps	bool	optional	Whether to enable https
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Hik](http://192.168.100.127:8085/api/v1/Device/Add/Hik)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "blc3",
  "devPartitionId": 10000,
  "name": "devhik176name",
  "username": "admin",
  "password": "dmin12345",
  "devIP": "192.168.100.176",
  "devPort": "8000",
  "enableAudio": false,
  "description": "test hik device",
  "enabled": true,
  "isApi": false,
  "sandbox": false,
  "subEvent": false,
```

```

    "apiPort": 80,
    "apiHttps": false,
    "maxChannel":0
}
Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 5.2.5 Add HikISC Platform

### Description

Add HikISC platform

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/HikISC
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable

sandbox	bool	optional	Whether to enable Sandbox mode
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
centralrecord	bool	optional	Central storage

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/HikISC](http://192.168.100.127:8085/api/v1/Device/Add/HikISC)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devisc210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test isc device",
  "enabled": true,
  "maxChannel": 0,
  "sandbox": false,
  "centralrecord": false
}
```

Returned message

```
{
  "code": 0,
```

```
"msg": "Success"
}
```

## 5.2.6 Add HikInfov Platform

### Description

Add Hikvision INFO visio platform

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/HikInfov
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded

---

centralrecord	bool	optional	Central storage
---------------	------	----------	-----------------

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/HikInfov](http://192.168.100.127:8085/api/v1/Device/Add/HikInfov)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devinfov210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test infov device",
  "enabled": true,
  "maxChannel": 0,
  "sandbox": false,
  "centralrecord": false
}
```

}

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```



## 5.2.7 Add Td Device

### Description

Add Tiandy SDK device

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/Td
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded

### Response

Name	Type	Description
code	int	0 indicates success

msg	string	Specific description success or failure
-----	--------	---

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Td](http://192.168.100.127:8085/api/v1/Device/Add/Td)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": true,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devtd210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test td device",
  "enabled": true,
  "maxChannel": 0,
  "sandbox": false
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 5.2.8 Delete Device

### Description

Delete device

### Usage

Request parameters	DELETE
URL	/api/v1/Device
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Device ID

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/Device](http://192.168.100.127:8085/api/v1/Device)

```
{
  "ids": [10000, 10002]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 5.2.9 Get Device List

#### Description

Get device list

#### Usage

Request parameters	GET
URL	/api/v1/Device/List
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
pageSize	int	optional	Number of data per page: 10 by default
pageIndex	int	optional	Page default first page

---

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
pageSize	int	How many data per page
pageIndex	int	What page is it
result	array	Refer to the equipment data format

## Examples

[GET http://192.168.100.127:8085/api/v1/Device/List?pageSize=100](http://192.168.100.127:8085/api/v1/Device/List?pageSize=100)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 1,
    "pageIndex": 1,
    "pageSize": 100,
    "list": [
      {
        "devId": 1,
        "devPartitionId": 10000,
        "token": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa",
        "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
        "name": "Device1",
        "type": "H5_DEV_FILE",
        "username": "invalid",
        "password": "invalid",
        "passwordEncrypted": false,
        "devIP": "invalid",
        "devPort": "invalid",
        "enableAudio": false,
        "enabled": true,

```

```

        "online": true,
        "description": "Device1 description",
        "strUrl": "D:\\main\\server\\usc\\usc-r1.3.0807.24-win64-release\\
\\videos\\\\substream.mp4;",
        "strUrlSub": "",
        "bEnableUrlSub": false,
        "h5RTSPConnectType": "",
        "isApi": false,
        "sandbox": false,
        "subEvent": false,
        "apiPort": 0,
        "apiHttps": false,
        "maxChannel": 0,
        "rBufferTime": 0,
        "centralRecord": false,
        "VMS": false,
        "createdAt": "2024-08-19T15:45:52.430807+08:00",
        "updatedAt": "2024-08-22T11:22:33.550483+08:00"
    }
}
}
}
}

```

## 5.2.10 Get Video Files

### Description

Get video files

### Usage

Request parameters	GET
URL	/api/v1/Device/DevFileList
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Address of the video file

## Examples

[GET http://192.168.100.127:8085/api/v1/Device/DevFileList](http://192.168.100.127:8085/api/v1/Device/DevFileList)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    "D:\\main\\server\\usc\\usc-r1.3.0807.24-win64-release\\videos\\
    \\stream.mp4"
  ]
}
```

### 5.2.11 Update Device

#### Description

Update device

#### Usage

Request parameters	POST
URL	/api/v1/Device/Update
data	application/json;charset=UTF-8

#### Parameters

修改设备根据当前设备是那种类型 修改参数

Name	Type	Parameter mandatory	Description
devId	int	must	Device ID
nodeId	string	must	Server ID
setToken	bool	must	Modify token

token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
strUrl	string	optional	Video file path
username	string	optional	User name
password	string	optional	Password
devIP	string	optional	Device IP
devPort	string	optional	Device port
isApi	bool	optional	Whether to start isapi
sandbox	bool	optional	Sandbox
subEvent	bool	optional	Time subscription
apiPort	int	optional	API port
apiHttps	bool	optional	Whether to start apiHttps
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
centralrecord	bool	optional	Central storage

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/Device/Update](http://192.168.100.127:8085/api/v1/Device/Update)

---

```
{
  "devId": 2,
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "blc3",
  "devPartitionId": 10001,
  "name": "devhik176",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.176",
  "devPort": "8000",
  "enableAudio": false,
  "description": "test hik device",
  "enabled": true,
  "isApi": false,
  "sandbox": false,
  "subEvent": false,
  "apiPort": 80,
  "apiHttps": false,
  "maxChannel": 0
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 5.2.12 Add FILE

### Description

To add a video file, you need to place the video file in the videos folder of the root directory of the software package in advance.

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/FILE
data	application/json;charset=UTF-8

### Parameters



Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
strUrl	string	must	Video file path
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/FILE](http://192.168.100.127:8085/api/v1/Device/Add/FILE)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devfile",
  "strUrl": "D:\\main\\server\\usc\\usc-r1.2.1109.23-win64-release\\videos\\1.mp4;D:\\main\\server\\usc\\usc-r1.2.1109.23-win64-release\\videos\\2.mp4",
  "enableAudio": false,
  "description": "test dh device",
  "enabled": true
}
```

Returned message

```

{
  "code": 0,
  "msg": "Success"
}

```

## 5.2.13 Add ONVIF

### Description

Add ONVIF

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/ONVIF
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
devIP	string	must	Device IP address
devPort	int	must	Device port

### Response

Name	Type	Description
code	int	0 indicates success

msg	string	Specific description success or failure
-----	--------	---

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/ONVIF](http://192.168.100.127:8085/api/v1/Device/Add/ONVIF)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "onvif107",
  "username": "admin",
  "password": "vision@12345",
  "devIP": "192.168.1.1",
  "devPort": "80",
  "enableAudio": false,
  "description": "test dh device",
  "enabled": true
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 5.2.14 Add RTSP

### Description

Add RTSP

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/RTSP
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
------	------	---------------------	-------------

nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
strUrl	string	must	rtsp main stream address
bEnableUrlSub	bool	must	Whether to start the auxiliary code stream
strUrlSub	string	must	Secondary code stream address
h5RTSPConnectType	string	must	Line type

## Examples

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## 使用示例

[POST http://192.168.100.127:8085/api/v1/Device/Add/RTPS](http://192.168.100.127:8085/api/v1/Device/Add/RTPS)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
```

```

    "name": "rtsp107",
    "username": "admin",
    "password": "vision@12345",
    "enableAudio": false,
    "description": "test dh device",
    "enabled": true,
    "strUrl": "rtsp://192.168.100.107/stream",
    "bEnableUrlSub": true,
    "strUrlSub": "rtsp://192.168.100.107/stream",
    "h5RTSPConnectType": "H5_RTSP_AUTO"
}
Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 5.2.15 Add Dss Platform

### Description

Add Dahua Dss platform

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/Dss
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password

devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode
maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Dss](http://192.168.100.127:8085/api/v1/Device/Add/Dss)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devdhds210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test dh device",
  "enabled": true,
  "maxChannel": 0,
}
```

```

    "sandbox": false
  }
  Returned message
  {
    "code": 0,
    "msg": "Success"
  }

```

## 5.2.16 Add Unv Device

### Description

Add Unv Device

### Usage

Request parameters	POST
URL	/api/v1/Device/Add/Unv
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
setToken	bool	must	Modify token
token	string	must	It takes effect when setToken is true
devPartitionId	int	must	Device partition id
name	string	must	Device name
username	string	must	User name
password	string	must	Password
devIP	string	must	Device IP address
devPort	string	must	Device port
enableAudio	bool	must	Whether to turn on audio
description	string	must	Device description
enabled	bool	must	Enable
sandbox	bool	optional	Whether to enable Sandbox mode

maxChannel	int	optional	The maximum number of channels, 0 indicates no limit, and others are the maximum number of channels loaded
VMS	bool	must	VMS
apiHttps	bool	must	Whether to enable apiHttps
apiPort	int	must	API port

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Device/Add/Unv](http://192.168.100.127:8085/api/v1/Device/Add/Unv)

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "setToken": false,
  "token": "b1c3",
  "devPartitionId": 10000,
  "name": "devUnv210",
  "username": "admin",
  "password": "admin12345",
  "devIP": "192.168.100.210",
  "devPort": "37777",
  "enableAudio": false,
  "description": "test unv device",
  "enabled": true,
  "maxChannel": 0,
  "sandbox": false,
  "VMS": false,
  "subEvent": false,
  "apiPort": 80,
  "apiHttps": false
}
```



Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 5.3 Channel

### 5.3.1 Data Format Of Equipment Channel

#### Data Format Of Equipment Channel

Name	Type	Description
uuid	string	Channel uuid
token	string	Channel token
chanNo	int	Internal field
nodeId	string	Server ID
devChannel	string	Device token
parentToken	string	Internal field
rootParent	string	Internal field
name	string	Channel name
type	string	Type
enabled	bool	Enable status
metaEnabled	bool	Metadata analysis
idle	bool	Idle state
online	bool	Is it online
recording	bool	Video recording status
description	string	Channel description
dome	bool	Is it a dome camera
alias	string	Alias
longitude	string	Internal field
latitude	string	Internal field
chanType	string	Internal field
schedRecEnable	bool	Start the scheduled video recording

schedRecTemplate	string	Planning video template
manualRecEnable	bool	Start manual video recording

### 5.3.2 Get Device Channel

#### Description

Get device channel.

#### Usage

Request parameters	GET
URL	/api/v1/Device/Channels
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Device token

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Refer to the data format of the device channel

#### Examples

[GET http://192.168.100.127:8085/api/v1/Device/Channels?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa](http://192.168.100.127:8085/api/v1/Device/Channels?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "uuid": "482d0c89-9a9c-4a9b-9dac-f9885a36e74a",
      "token": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa",
    }
  ]
}
```

```

    "chanNo": 1,
    "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
    "devChannel": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa",
    "parentToken": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa",
    "rootParent": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa",
    "name": "Device1",
    "type": "H5_FILE",
    "enabled": true,
    "metaEnabled": true,
    "idle": false,
    "online": true,
    "recording": false,
    "description": "",
    "dome": false,
    "alias": "",
    "longitude": "",
    "latitude": "",
    "chanType": "USC_CHAN_CAMERA",
    "setting": {
      "schedRecEnable": false,
      "schedRecTemplate": "6a2a8c4e-06d8-4f5a-a3ba-b0b1c6488d8c",
      "manualRecEnable": false
    },
    "createdAt": "2024-08-19T15:45:52.45717+08:00",
    "updatedAt": "2024-08-23T11:21:23.359611+08:00"
  }
]
}

```

### 5.3.3 Get The Online Status Of The Channel

#### Description

Get the online status of the channel.

#### Usage

Request parameters	POST
URL	/api/v1/Device/Channel/State
data	application/json;charset=UTF-8

---

## Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
enable	bool	Presence
token	string	Channel token

## Examples

POST <http://192.168.100.127:8085/api/v1/Device/Channel/State>

```
{
  "obj": [
    { "token": "b1c3" }
  ]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "obj": [
      {
        "enable": false,
        "token": "b1c3"
      }
    ]
  }
}
```

### 5.3.4 Obtain Channel Encoding Information

#### Description

Obtain channel encoding information.

#### Usage

Request parameters	GET
URL	/api/v1/GetVidStreamStatus
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
stream	string	must	main main code stream sub auxiliary code stream

#### Response

Name	Type	Description
strVideoType	string	Video encoding type
nVideoBitrate	int	Audio bitrate
nVideoFPS	int	Frame rate
nVideoWidth	int	Wide
nVideoHeight	int	High
strAudioType	string	Audio encoding type
nAudioSampleRate	int	Audio sampling rate
nAudioSampleBit	int	Audio sampling bit width
nAudioChannels	int	Number of audio channels
nAudioBitrate	int	Audio bitrate

#### Examples

GET <http://192.168.100.127:8085/api/v1/GetVidStreamStatus?token=9bfd4b7-040b-4831-a646-7eaddfc9dcfa&stream=main>

Returned message

```

{
  "strVideoType": "H264",
  "nVideoBitrate": 976072,
  "nVideoFPS": 24,
  "nVideoWidth": 720,
  "nVideoHeight": 576,
  "strAudioType": "NONE",
  "nAudioSampleRate": 0,
  "nAudioSampleBit": 0,
  "nAudioChannels": 0,
  "nAudioBitrate": 0
}

```

### 5.3.5 Server-Side Screenshot

#### Description

Server-side screenshot.

#### Usage

Request parameters	GET
URL	/api/v1/Snapshot
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
strFileName	string	Image file name
strUrl	string	Image address

#### Examples

[GET http://192.168.100.127:8085/api/v1/Snapshot?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&stream=main](http://192.168.100.127:8085/api/v1/Snapshot?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&stream=main)

Returned message

```
{
  "bStatus": true,
  "strCode": "Snapshot start successfully",
  "strFileName": "9bfda4b7-040b-4831-a646-7eaddfc9dcfa-5126f27e-7b27-4637-8e93-ae31b7d8850b.jpg",
  "strUrl": "/mediastore/snapshot/9bfda4b7-040b-4831-a646-7eaddfc9dcfa/2024-08-23T208/15-17-38/9bfda4b7-040b-4831-a646-7eaddfc9dcfa-5126f27e-7b27-4637-8e93-ae31b7d8850b.jpg"
}
```

### 5.3.6 Mark Whether The Channel Is A Dome Camera

#### Description

Mark whether the channel is a dome camera.

#### Usage

Request parameters	GET
URL	/api/v1/SetChannelDomeMode
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
dome	Bool	must	Is it a dome camera

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

---

[GET http://192.168.100.127:8085/api/v1/SetChannelDomeMode?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&dome=true](http://192.168.100.127:8085/api/v1/SetChannelDomeMode?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&dome=true)

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```

### 5.3.7 Add An Alias For The Channel

#### Description

Add an alias for the channel.

#### Usage

Request parameters	GET
URL	/api/v1/SetChannelAliasName
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
alias	string	must	Alias

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[GET http://192.168.100.127:8085/api/v1/SetChannelAliasName?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&alias=一楼电梯](http://192.168.100.127:8085/api/v1/SetChannelAliasName?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&alias=一楼电梯)

Returned message

```
{  
  "code": 0,
```



```
"msg": "Success"
}
```

### 5.3.8 PTZ

#### Description

Modify channel PTZ.

#### Usage

Request parameters	GET
URL	/api/v1/PTZ
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
action	string	must	command up/upright/upleft/down/downright/downleft/left/right/zoomin/zoomout/focusin/focusout/irisin/irisout/stop/preset/lighton/lightoff/wiperon/wiperoff
speed	string	object	Speed (0-1), no speed required for stopping
preset	string	object	Enabled when action is preset

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[GET http://192.168.100.127:8085/api/v1/Ptz?token=0e8e6d96-9304-4179-8311-20dbba3b6518--34&action=stop&speed=0.5](http://192.168.100.127:8085/api/v1/Ptz?token=0e8e6d96-9304-4179-8311-20dbba3b6518--34&action=stop&speed=0.5)

---

Returned message

```
{
  "bStatus": true,
  "strCode": "PTZ successfully"
}
```

### 5.3.9 Modify Preset Position

#### Description

Modify the preset position of the channel.

#### Usage

Request parameters	GET
URL	/api/v1/SetPreset
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
presetname	string	must	Name of preset position
presettoken	String	object	Preset token

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[GET http://192.168.100.127:8085/api/v1/SetPreset?token=58d681fa-0ca6-452f-aa7a-dc98acd01228--34&presetname=预置位1&presettoken=2](http://192.168.100.127:8085/api/v1/SetPreset?token=58d681fa-0ca6-452f-aa7a-dc98acd01228--34&presetname=预置位1&presettoken=2)

Returned message

```
{
  "bStatus": true,
  "strCode": "PTZ successfully"
}
```

}

### 5.3.10 Get Preset Position

#### Description

Obtain the preset position of the channel.

#### Usage

Request parameters	GET
URL	/api/v1/GetPreset
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

GET <http://192.168.100.127:8085/api/v1/GetPreset?token=58d681fa-0ca6-452f-aa7a-dc98acd01228--34>

Returned message

```
{
  "preset": [
    {
      "strName": "1",
      "strToken": "1"
    }
  ]
}
```

---

### 5.3.11 Delete Preset Position

#### Description

Delete channel preset position.

#### Usage

Request parameters	GET
URL	/api/v1/DelPreset
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
presettoken	string	object	Preset token

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[GET http://192.168.100.127:8085/api/v1/DelPreset?token=58d681fa-0ca6-452f-aa7a-dc98acd01228--34&presettoken=2](http://192.168.100.127:8085/api/v1/DelPreset?token=58d681fa-0ca6-452f-aa7a-dc98acd01228--34&presettoken=2)

Returned message

```
{
  "bStatus": true,
  "strCode": "PTZ successfully"
}
```

### 5.3.12 Obtain The Channel Video Segment

#### Description

Obtain the channel video segment.

#### Usage

Request parameters	GET
--------------------	-----

URL	/api/v1/SearchDeviceRecordByTime
data	none

### Parameters

Name	Type	Parameter mandatory	Description
token	string	must	Channel token
start	string	must	Video start time
end	string	must	End time of video recording
maxlen	int	object	Maximum duration of each segment in seconds

### Response

Name	Type	Description
bFinished	Bool	Whether the search is complete in the input time period. If false, the end time of the last video returned can be used as the start parameter to re-search, which can fully search all video segments
strStartTime	string	Video start time
strEndTime	string	End time of video recording
nType	string	H5_REC_MANUAL/H5_REC_SCHEDULE/H5_REC_ALARM Manual Recording/Scheduled Recording/Alarm Recording

### Examples

GET <http://192.168.100.127:8085/api/v1/SearchDeviceRecordByTime?token=9bfda4b7-040b-4831-a646-7eaddfc9dcfa&start=2024-8-17T00:00:00%2b08&end=2024-8-20T23:59:59%2b08&maxlen=900>

Returned message

```
{
  "bFinished": true,
```

---

```
"nMaxLen": 86400,
"record": [
{
"strStartTime": "2024-08-23T10:31:19+08:00",
"strEndTime": "2024-08-23T10:35:53+08:00",
"nDurationInSec": 274,
"type": [
"H5_STOR_REC_ALERT",
"H5_STOR_REC_A_MOTION",
"H5_STOR_REC_A_OBJECT"
],
"nSizeInMBytes": 35
}
]
}
```

## 6.Cluster

---

---

## 6 Cluster

### 6.1 Cluster Configuration

#### 6.1.1 Get Operating Mode

##### Description

Get operating mode.

##### Usage

Request parameters	GET
URL	/api/v1/Cluster/GetServerMode
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

##### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
nServerMode	string	Operating mode

##### Examples

[GET http://192.168.100.127:8085/api/v1/Cluster/GetServerMode?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9](http://192.168.100.127:8085/api/v1/Cluster/GetServerMode?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "nServerMode": "USC_SERVER_MAIN"
  }
}
```



## 6.1.2 Get Hot Standby Mode

### Description

Get hot standby mode.

### Usage

Request parameters	PUT
URL	/api/v1/Cluster/GetSubStandbyMode
data	none

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
bSubStandbyMode	string	Start hot standby mode

### Examples

PUT <http://192.168.100.127:8085/api/v1/Cluster/GetSubStandbyMode?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "bSubStandbyMode": "false"
  }
}
```

---

### 6.1.3 Get Server Information

#### Description

Get server information.

#### Usage

Request parameters	GET
URL	/api/v1/Cluster/GetServerConf
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
strNodeName	string	Server name
strServerIP	string	Server IP address

#### Examples

[GET http://192.168.100.127:8085/api/v1/Cluster/GetServerConf?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9](http://192.168.100.127:8085/api/v1/Cluster/GetServerConf?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "strNodeName": "Server1",
    "strServerIP": "0.0.0.0"
  }
}
```

## 6.1.4 Get Server Configuration

### Description

Get server configuration.

### Usage

Request parameters	GET
URL	/api/v1/Cluster/GetMainSecondaryConf
data	none

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
strMainIP	string	Primary server IP address
bHasSecondary1	bool	Whether to enable the standby server 1
strSecondary1IP	string	Backup server 1 ip
bHasSecondary2	bool	Whether to enable the standby server 2
strSecondary2IP	string	Backup server 1 ip

### Examples

GET <http://192.168.100.127:8085/api/v1/Cluster/GetMainSecondaryConf?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
```

```

        "strMainIP": "192.168.100.100",
        "bHasSecondary1": false,
        "strSecondary1IP": "192.168.100.101",
        "bHasSecondary2": false,
        "strSecondary2IP": "192.168.100.102"
    }
}

```

## 6.1.5 Update The Operation Mode

### Description

Update the operation mode.

### Usage

Request parameters	PUT
URL	/api/v1/Cluster/UpdateServerMode
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
nServerMode	string	must	Operating mode

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/Cluster/UpdateServerMode](http://192.168.100.127:8085/api/v1/Cluster/UpdateServerMode)

```

{
    "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
    "nServerMode": "USC_SERVER_MAIN"
}

```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 6.1.6 Update The Hot Standby Mode

### Description

Update the hot standby mode.

### Usage

Request parameters	PUT
URL	/api/v1/Cluster/UpdateSubStandbyMode
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
bSubStandbyMode	bool	must	Whether to enable hot standby mode

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

PUT <http://192.168.100.127:8085/api/v1/Cluster/UpdateSubStandbyMode?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9>

```
{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "bSubStandbyMode": true
}
```

Returned message

```
{
```

```
"code": 0,  
"msg": "Success"  
}
```

## 6.1.7 Update Server Information

### Description

Update server information.

### Usage

Request parameters	PUT
URL	/api/v1/Cluster/UpdateServerConf
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
strServerIP	string	must	Server IP address
strNodeName	string	must	Server name

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

PUT <http://192.168.100.127:8085/api/v1/Cluster/UpdateServerConf?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9>

```
{  
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",  
  "strNodeName": "server127",  
  "strServerIP": "10.192.1.127"  
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 6.1.8 Update Server Configuration

### Description

Update server configuration.

### Usage

Request parameters	PUT
URL	/api/v1/Cluster/UpdateMainSecondaryConf
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID
strMainIP	string	must	Primary server IP address
bHasSecondary1	bool	must	Whether to enable the standby server 1
strSecondary1IP	string	must	Backup server 1 ip
bHasSecondary2	bool	must	Whether to enable the standby server 2
strSecondary2IP	string	must	Backup server 1 ip

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

PUT <http://192.168.100.127:8085/api/v1/Cluster/UpdateMainSecondaryConf?nodeId=e09422f7-813e-4483-a551-3ee81a944ae9>

```

{
  "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
  "strMainIP": "192.168.100.100",
  "bHasSecondary1": false,
  "strSecondary1IP": "192.168.100.110",
  "bHasSecondary2": false,
  "strSecondary2IP": "192.168.100.102"
}

```

Returned message

```

{
  "code": 0,
  "msg": "Success"
}

```

## 6.2 Services Overview

### 6.2.1 Get The Server List

#### Description

Get the server list.

#### Usage

Request parameters	GET
URL	/api/v1/WorkServer/List
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
pageSize	int	How many data per page
pageIndex	int	What page is it
nodeId	string	Server ID



nodeType	string	server type
nodeName	string	Server name

## Examples

GET <http://192.168.100.127:8085/api/v1/WorkServer/List>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "count": 1,
    "pageIndex": 1,
    "pageSize": 10,
    "list": [
      {
        "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
        "nodeType": "main",
        "nodeName": "Server1"
      }
    ]
  }
}
```

## 6.2.2 Obtain The Total Information Of Server Devices

### Description

Obtain the total information of server devices.

### Usage

Request parameters	GET
URL	/api/v1/GetDeviceSummary
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
nCameraTotal	int	Total number of devices
nCameraOnline	int	Number of online users
nHikDevTotal	int	Total number of Hikvision SDK
nHikDevOnline	int	Number of Hikvision SDK online
nDhDevTotal	int	Total number of SDK of Dahua
nDhDevOnline	int	Number of Dahua SDK online
nHikIscDevTotal	int	Total number of Hikvision ISC
nHikIscDevOnline	int	Number of Hikvision ISC online
nTdDevTotal	int	Total number of Tiandy SDK
nTdDevOnline	int	Number of Tiandy online
nGbDevTotal	int	Total number of GB
nGbDevOnline	int	Number of GB online
nUnvDevTotal	int	Total number of UNV
nUnvDevOnline	int	Number of UNV online
nDssDevTotal	int	Total number of Dahua DSS
nDssDevOnline	int	Number of Dahua DSS online
nIvsDevTotal	int	Total IVS
nIvsDevOnline	int	Number of IVS online
nHikINFOVTotal	int	Total number of Hikvision INFOV
nHikINFOVOnline	int	Number of Hikvision INFOV online
nRTSPRTMPTotal	int	Total number of RTSP/RTMP
nRTSPRTMPOnline	int	Number of RTSP/RTMP online
nONVIFTotal	int	Total ONVIF
nONVIFOnline	int	ONVIF online number

---

nRTMPPushTotal	int	Total number of RTMP push
nRTMPPushOnline	int	Number of RTMPPush online

## Examples

[GET http://192.168.100.127:8085/api/v1/WorkServer/List](http://192.168.100.127:8085/api/v1/WorkServer/List)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "nCameraTotal": 0,
    "nCameraOnline": 0,
    "nHikDevTotal": 0,
    "nHikDevOnline": 0,
    "nDhDevTotal": 0,
    "nDhDevOnline": 0,
    "nHikIscDevTotal": 0,
    "nHikIscDevOnline": 0,
    "nTdDevTotal": 0,
    "nTdDevOnline": 0,
    "nGbDevTotal": 0,
    "nGbDevOnline": 0,
    "nUnvDevTotal": 0,
    "nUnvDevOnline": 0,
    "nDssDevTotal": 0,
    "nDssDevOnline": 0,
    "nIvsDevTotal": 0,
    "nIvsDevOnline": 0,
    "nHikINFOVTotal": 0,
    "nHikINFOVOnline": 0,
    "nRTSPRTMPTotal": 0,
    "nRTSPRTMPOnline": 0,
    "nONVIFTTotal": 0,
    "nONVIFOnline": 0,
    "nRTMPPushTotal": 0,
```

```

        "nRTMPPushOnline": 0
    }
}

```

### 6.2.3 Obtain The Server Device Information List

#### Description

Obtain the server device information list.

#### Usage

Request parameters	GET
URL	/api/v1/GetServerDevice
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
nodeid	string	Server ID
nCameraTotal	int	Total number of devices
nCameraOnline	int	Number of online users
nHikDevTotal	int	Total number of Hikvision SDK
nHikDevOnline	int	Number of Hikvision SDK online
nDhDevTotal	int	Total number of SDK of Dahua
nDhDevOnline	int	Number of Dahua SDK online
nHiklscDevTotal	int	Total number of Hikvision ISC
nHiklscDevOnline	int	Number of Hikvision ISC online
nTdDevTotal	int	Total number of Tiandy SDK
nTdDevOnline	int	Number of Tiandy online
nGbDevTotal	int	Total number of GB

nGbDevOnline	int	Number of GB online
nUnvDevTotal	int	Total number of UNV
nUnvDevOnline	int	Number of UNV online
nDssDevTotal	int	Total number of Dahua DSS
nDssDevOnline	int	Number of Dahua DSS online
nIvsDevTotal	int	Total IVS
nIvsDevOnline	int	Number of IVS online
nHikINFOVTotal	int	Total number of Hikvision INFOV
nHikINFOVOnline	int	Number of Hikvision INFOV online
nRTSPRTMPTotal	int	Total number of RTSP/RTMP
nRTSPRTMPOnline	int	Number of RTSP/RTMP online
nONVIFTotal	int	Total ONVIF
nONVIFOnline	int	ONVIF online number
nRTMPPushTotal	int	Total number of RTMP push
nRTMPPushOnline	int	Number of RTMPPush online

## Examples

GET <http://192.168.100.127:8085/api/v1/WorkServer/List>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "nodeId": "e09422f7-813e-4483-a551-3ee81a944ae9",
      "nCameraTotal": 0,
      "nCameraOnline": 0,
      "nHikDevTotal": 0,
      "nHikDevOnline": 0,
      "nDhDevTotal": 0,
      "nDhDevOnline": 0,
    }
  ]
}
```

```

        "nHikIscDevTotal": 0,
        "nHikIscDevOnline": 0,
        "nTdDevTotal": 0,
        "nTdDevOnline": 0,
        "nGbDevTotal": 0,
        "nGbDevOnline": 0,
        "nUnvDevTotal": 0,
        "nUnvDevOnline": 0,
        "nDssDevTotal": 0,
        "nDssDevOnline": 0,
        "nIvsDevTotal": 0,
        "nIvsDevOnline": 0,
        "nHikINFOVTotal": 0,
        "nHikINFOVOnline": 0,
        "nRTSPRTMPTotal": 0,
        "nRTSPRTMPOnline": 0,
        "nONVIFTTotal": 0,
        "nONVIFOnline": 0,
        "nRTMPPushTotal": 0,
        "nRTMPPushOnline": 0
    }
}
]
}

```

## 6.2.4 Get Server Running Information

### Description

Get server running information.

### Usage

Request parameters	GET
URL	/api/v1/GetRunInfo
data	none

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

## Response

Name	Type	Description
strRunTime	string	Running time
strCPU	string	CPU usage
strMemory	string	Server ID
strNetworkIn	string	Network incoming traffic
strNetworkOut	string	Network traffic
strTotalSpace	string	Total disk space
strFreeSpace	string	Remaining space
strRecordTotalSpace	string	Internal field
strRecordFreeSpace	string	Internal field
nRunTimeSec	string	Internal field
nCPUUsage	string	Internal field
nMemoryUsage	string	Internal field
nTotalMemoryByte	string	Internal field

## Examples

[GET http://192.168.100.127:8085/api/v1/WorkServer/List](http://192.168.100.127:8085/api/v1/WorkServer/List)

Returned message

```
{
  "strRunTime": "3H 31MIN",
  "strCPU": "8%",
  "strMemory": "73%",
  "strNetworkIn": "2Kbps",
  "strNetworkOut": "0Kbps",
  "strTotalSpace": "375Gbytes",
  "strFreeSpace": "111Gbytes",
  "strRecordTotalSpace": "375Gbytes",
  "strRecordFreeSpace": "111Gbytes",
  "nRunTimeSec": "12715",
  "nCPUUsage": "8",
  "nMemoryUsage": "73",
```

```

    "nTotalMemoryByte": "16867512320",
    "nNetworkInK": "2",
    "nNetworkOutK": "0",
    "nTotalSpaceByte": "403291762688",
    "nFreeSpaceByte": "119198154752",
    "nRecordTotalSpaceByte": "403291762688",
    "nRecordFreeSpaceByte": "119198154752"
}

```

## 6.2.5 Get Codec Information

### Description

Get codec information.

### Usage

Request parameters	GET
URL	/api/v1/GetCodecInfo
data	none

### Parameters

Name	Type	Parameter mandatory	Description
nodeId	string	must	Server ID

### Response

Name	Type	Description
strCPUModel	string	CPU model
nCPU	string	Number of CPU paths
nCPUCore	string	Number of CPU cores
strHWEncoders	string	GPU encoder
strHWDecoders	string	GPU decoder
strSWEncoders	string	Software encoder
strSWDecoders	string	Software encoder

### Examples

GET <http://192.168.100.127:8085/api/v1/WorkServer/List>



Returned message

```
{
  "strRunTime": "3H 31MIN",
  "strCPU": "8%",
  "strMemory": "73%",
  "strNetworkIn": "2Kbps",
  "strNetworkOut": "0Kbps",
  "strTotalSpace": "375Gbytes",
  "strFreeSpace": "111Gbytes",
  "strRecordTotalSpace": "375Gbytes",
  "strRecordFreeSpace": "111Gbytes",
  "nRunTimeSec": "12715",
  "nCPUUsage": "8",
  "nMemoryUsage": "73",
  "nTotalMemoryByte": "16867512320",
  "nNetworkInK": "2",
  "nNetworkOutK": "0",
  "nTotalSpaceByte": "403291762688",
  "nFreeSpaceByte": "119198154752",
  "nRecordTotalSpaceByte": "403291762688",
  "nRecordFreeSpaceByte": "119198154752"
}
```



# 7.Map

---

## 7 Map

### Map Data Format

Name	Type	Description
type	string	Map types USC_MAP_STATIC (static map), USC_MAP_TILE (tile map), USC_MAP_GAO_DE (Gaode map), USC_MAP_GOOGLE (Google map), USC_MAP_TIAN (Tian map)
devPartitionId	int	Device partition id
center	array	Map center point
zoom	int	Map zoom
minZoom	int	Minimal zoom
maxZoom	int	Maximum zoom
mapName	int	Map Name
description	int	Map Description
mapUrl	int	Map address
mapUrl2	int	Map address 2
imgBase64	string	Base64 code of static map image
mapView	array	Reference Map View
mapElementLink	array	Link to reference map
mapElementChannel	array	Reference map video channel
mapElementDoor	array	Reference Map Door

### 7.1 Get Map List

#### Description

Get map list.

#### Usage

Request parameters	GET
URL	/api/v1/Map/List
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Reference map data format

## Examples

[GET http://192.168.100.127:8085/api/v1/Map/List](http://192.168.100.127:8085/api/v1/Map/List)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "mapId": 2,
      "type": "USC_MAP_GAO_DE",
      "uuid": "0509cc43-8b19-463b-8ee5-d8b54792c9f7",
      "devPartitionId": 10000,
      "extent": null,
      "center": [
        121,
        31
      ],
      "zoom": 14,
      "minZoom": 7,
      "maxZoom": 18,
      "mapName": "autonavi",
      "mapUrl": "http://wprd0{1-4}.is.autonavi.com/appmaptile?
lang=zh_cn&size=1&style=7&x={x}&y={y}&z={z}",
      "mapUrl2": "",
      "projection": "EPSG:3857",

```

```

        "description": "Map1 Description",
        "mapView": null,
        "mapElementLink": null,
        "mapElementChannel": null,
        "mapElementDoor": null,
        "createdAt": "2024-09-09T15:19:29.519365+08:00",
        "updatedAt": "2024-09-09T15:20:59.291301+08:00"
    }
]
}

```

## 7.2 Get Map Information

### Description

Get map information.

### Usage

Request parameters	GET
URL	/api/v1/Map//\$1
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
result	array	Reference map data format

### Examples

[GET http://192.168.100.127:8085/api/v1/Map/2](http://192.168.100.127:8085/api/v1/Map/2)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "mapId": 2,
    "type": "USC_MAP_GAO_DE",
    "uuid": "0509cc43-8b19-463b-8ee5-d8b54792c9f7",
    "devPartitionId": 10000,
    "extent": null,
    "center": [
      121,
      31
    ],
    "zoom": 14,
    "minZoom": 7,
    "maxZoom": 18,
    "mapName": "autonavi",
    "mapUrl": "http://wprd0{1-4}.is.autonavi.com/appmaptile?
lang=zh_cn&size=1&style=7&x={x}&y={y}&z={z}",
    "mapUrl2": "",
    "projection": "EPSG:3857",
    "description": "Map1 Description",
    "mapView": null,
    "mapElementLink": null,
    "mapElementChannel": null,
    "mapElementDoor": null,
    "createdAt": "2024-09-09T15:19:29.519365+08:00",
    "updatedAt": "2024-09-09T15:20:59.291301+08:00"
  }
}
```

## 7.3 Add Static Map

### Description

Add static map.

### Usage

Request parameters	POST
URL	/api/v1/Map/Static

data	application/json;charset=UTF-8
------	--------------------------------

## Parameters

Name	Type	Parameter mandatory	Description
type	string	must	Map types USC_MAP_STATIC (static map), USC_MAP_TILE (tile map), USC_MAP_GAO_DE (Gaode map), USC_MAP_GOOGLE (Google map), USC_MAP_TIAN (Tian map)
devPartitionId	int	must	Device partition id
center	array	must	Map center point
zoom	int	must	Map zoom
minZoom	int	must	Minimal zoom
maxZoom	int	must	Maximum zoom
mapName	int	must	Map Name
description	int	object	Map Description
imgBase64	string	must	Base64 code of static map image

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

POST <http://192.168.100.127:8085/api/v1/Map/Static>

```
{
  "type": "USC_MAP_STATIC",
  "devPartitionId": 10000,
  "zoom": 7,
```



```

    "minZoom": 7,
    "maxZoom": 18,
    "mapName": "map2",
    "description": "",
    "imgBase64": "data:image/....."
}
Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 7.4 Add A Slice Map

### Description

Add a Slice Map.

### Usage

Request parameters	POST
URL	/api/v1/Map/Tile
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
type	string	must	Map types USC_MAP_STATIC (static map), USC_MAP_TILE (tile map), USC_MAP_GAO_DE (Gaode map), USC_MAP_GOOGLE (Google map), USC_MAP_TIAN (Tian map)
devPartitionId	int	must	Device partition id
center	array	must	Map center point
zoom	int	must	Map zoom
minZoom	int	must	Minimal zoom
maxZoom	int	must	Maximum zoom

mapName	int	must	Map Name
description	int	object	Map Description
mapUrl	string	must	Map address

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

POST <http://192.168.100.127:8085/api/v1/Map/Tile>

```
{
  "type": "USC_MAP_TILE",
  "devPartitionId": 10000,
  "center": [121, 31],
  "zoom": 10,
  "minZoom":7,
  "maxZoom":18,
  "mapName": "Shanghai",
  "description": "",
  "mapUrl":"http://localhost:8080/mediastore/map/pujiang/{z}/{x}/{y}.png"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.5 Add GIS Map

### Description

Add GIS map.

### Usage

Request parameters	POST
--------------------	------

URL	/api/v1/Map/GIS
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
type	string	must	Map types USC_MAP_STATIC (static map), USC_MAP_TILE (tile map), USC_MAP_GAO_DE (Gaode map), USC_MAP_GOOGLE (Google map), USC_MAP_TIAN (Tian map)
devPartitionId	int	must	Device partition id
center	array	must	Map center point
zoom	int	must	Map zoom
minZoom	int	must	Minimal zoom
maxZoom	int	must	Maximum zoom
mapName	int	must	Map Name
description	int	object	Map Description
mapUrl	string	must	Map address
mapUrl2	string	object	Map address 2

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/Map/GIS>

```
{
  "type": "USC_MAP_GAO_DE",
```

```

    "devPartitionId": 10000,
    "center": [121.31542, 31],
    "zoom": 10,
    "minZoom":7,
    "maxZoom":18,
    "mapName": "autonavi",
    "description": "",
    "mapUrl":"http://wprd0{1-4}.is.autonavi.com/appmaptile?
lang=zh_cn&size=1&style=7&x={x}&y={y}&z={z}",
    "mapUrl2":""
}Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 7.6 Update Map

### Description

Update map.

### Usage

Request parameters	PUT
URL	/api/v1/Map
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
mapId	int	must	Map ID
devPartitionId	int	must	Server ID
mapName	int	must	Map Name
zoom	int	must	Map zoom
minZoom	int	must	Minimal zoom
maxZoom	int	must	Maximum zoom
mapUrl	string	must	Map address
mapUrl2	string	object	Map address 2

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/Map](http://192.168.100.127:8085/api/v1/Map)

```
{
  "mapId":1,
  "devPartitionId":10001,
  "mapName":"map1",
  "zoom":8,
  "minZoom":8,
  "maxZoom":18,
  "mapUrl":"http://wprd0{1-4}.is.autonavi.com/appmaptile?
lang=zh_cn&size=1&style=7&x={x}&y={y}&z={z}",
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.7 Update Static Map

### Description

Update static map.

### Usage

Request parameters	PUT
URL	/api/v1/Map/Static
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
------	------	---------------------	-------------

mapId	int	must	Map ID
devPartitionId	int	must	Server ID
mapName	int	must	Map Name
zoom	int	must	Map zoom
minZoom	int	must	Minimal zoom
maxZoom	int	must	Maximum zoom
imgBase64	string	must	Base64 code of static map image

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/Map/Static](http://192.168.100.127:8085/api/v1/Map/Static)

```
{
  "mapId":1,
  "devPartitionId":10001,
  "mapName":"map1",
  "zoom":8,
  "minZoom":8,
  "maxZoom":18,
  "imgBase64": "data:image/png;...."
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.8 Delete Map

### Description

Delete map.

### Usage

Request parameters	DELETE
URL	/api/v1/Map
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Map ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

**DELETE** <http://192.168.100.127:8085/api/v1/Map>

```
{
  "ids": [4]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.9 Add Map Connection

### Description

Add map connections to the map.

### Usage

Request parameters	POST
URL	/api/v1/Map/ElementLink
data	application/json;charset=UTF-8

## Parameters

Name	Type	Parameter mandatory	Description
mapId	int	must	Map ID
mapLinkId	int	must	Connected map id
resName	int	must	Name
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[POST http://192.168.100.127:8085/api/v1/Map/ElementLink](http://192.168.100.127:8085/api/v1/Map/ElementLink)

```
{
  "id":1,
  "mapLinkId": 2,
  "resName": "Connect 1",
  "longitude": 20000,
  "latitude": 20000
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```



## 7.10 Update Map Connection

### Description

Update map connections on the map.

### Usage

Request parameters	PUT
URL	/api/v1/Map/ElementLink
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
mapLinkId	int	must	Connected map id
resName	int	must	Name
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[PUT http://192.168.100.127:8085/api/v1/Map/ElementLink](http://192.168.100.127:8085/api/v1/Map/ElementLink)

```
{
  "id":1,
  "mapLinkId": 2,
  "resName": "Connect 1",
  "longitude": 20000,
  "latitude": 20000
}
```

---

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.11 Remove Map Connection

### Description

Remove the connection map on the map.

### Usage

Request parameters	DELETE
URL	/api/v1/Map/ElementLink
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Number ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[DELETE http://192.168.100.127:8085/api/v1/Map/ElementLink](http://192.168.100.127:8085/api/v1/Map/ElementLink)

```
{
  "ids": [4]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.12 Add Channel

### Description

Add video channel on the map.

### Usage

Request parameters	POST
URL	/api/v1/Map/Cam/Channel
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
mapId	int	must	Map ID
channelUUID	string	must	Video channel UUID
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map
radius	int	must	Radius
angle	int	must	View
rotationAngle	int	must	Angle
fillCollor	string	object	Fill color

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

POST <http://192.168.100.127:8085/api/v1/Map/Cam/Channel>

```
{
  "mapId": 4,
  "channelUUID": "030a5222-7463-4d96-9053-920177a02b04",
```

```

    "longitude": 20000,
    "latitude": 15000,
    "radius":15,
    "angle":90,
    "rotationAngle":30,
    "fillCollor":"USC_CAM_COLOR_DEFAULT"
}
Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 7.13 Update Channel

### Description

Update video channel on the map.

### Usage

Request parameters	PUT
URL	/api/v1/Map/Cam/Channel
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
channelUUID	string	must	Video channel UUID
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map
radius	int	must	Radius
angle	int	must	View
rotationAngle	int	must	Angle
fillCollor	string	object	Fill color

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

PUT <http://192.168.100.127:8085/api/v1/Map/Cam/Channel>

```
{
  "mapId": 4,
  "channelUUID": "030a5222-7463-4d96-9053-920177a02b04",
  "longitude": 20000,
  "latitude": 15000,
  "radius":15,
  "angle":90,
  "rotationAngle":30,
  "fillCollor":"USC_CAM_COLOR_DEFAULT"
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.14 Delete Map Channel

### Description

Delete video channel on the map.

### Usage

Request parameters	DELETE
URL	/api/v1/Map/Cam/Channel
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Number ID

---

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/Map/Cam/Channel](http://192.168.100.127:8085/api/v1/Map/Cam/Channel)

```
{
  "ids": [4]
}
Returned message
{
  "code": 0,
  "msg": "Success"
}
```

## 7.15 Update View

### Description

Update the map view.

### Usage

Request parameters	PUT
URL	/api/v1/Map/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/Map/View](http://192.168.100.127:8085/api/v1/Map/View)

```
{
  "id":1,
  "longitude": 454544444444,
  "latitude": 48749454654
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.16 Map Add View

### Description

Add a view to the map.

### Usage

Request parameters	POST
URL	/api/v1/Map/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
viewUUID	string	must	View UUID
longitude	int	must	Coordinates or longitude on the map

latitude	int	must	Coordinates or dimensions on the map
----------	-----	------	--------------------------------------

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## 使用示例

POST <http://192.168.100.127:8085/api/v1/Map/View>

```
{
  "mapId":5,
  "viewUUID": "a3fd9448-4a23-4b5b-bf6c-94997a3aa4e4",
  "longitude": 20000
  "latitude": 15000
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.17 Map Delete View

### Description

Delete the view on the map.

### Usage

Request parameters	DELETE
URL	/api/v1/Map/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
------	------	---------------------	-------------



id	int	must	Number
----	-----	------	--------

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## 使用示例

[DELETE http://192.168.100.127:8085/api/v1/Map/View](http://192.168.100.127:8085/api/v1/Map/View)

```
{
  "ids": [4],
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.18 Delete View

### Description

Delete View.

### Usage

Request parameters	DELETE
URL	/api/v1/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	View ID

### Response

Name	Type	Description
------	------	-------------

code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/View](http://192.168.100.127:8085/api/v1/View)

```
{
  "ids": [4]
}
Returned message
{
  "code": 0,
  "msg": "Success"
}
```

## 7.19 Add Door

### Description

Add doors to the map.

### Usage

Request parameters	POST
URL	/api/v1/Map/Door
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
doorUUID	string	must	Door UUID
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map

### Response

Name	Type	Description
------	------	-------------

code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

POST <http://192.168.100.127:8085/api/v1/Map/View>

```
{
  "mapId": 5,
  "doorUUID": "a3fd9448-4a23-4b5b-bf6c-94997a3aa4e4",
  "longitude": 20000,
  "latitude": 15000
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.20 Update Door

### Description

Update the map.

### Usage

Request parameters	PUT
URL	/api/v1/Map/Door
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
id	int	must	Number
longitude	int	must	Coordinates or longitude on the map
latitude	int	must	Coordinates or dimensions on the map

---

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/Map/Door](http://192.168.100.127:8085/api/v1/Map/Door)

```
{
  "id":1,
  "longitude": 45454444444,
  "latitude": 48749454654
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 7.21 Delete Door

### Description

Remove the door on the map.

### Usage

Request parameters	DELETE
URL	/api/v1/Map/Door
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Number ID

### Response

Name	Type	Description
------	------	-------------

---

code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[DELETE http://192.168.100.127:8085/api/v1/Map/Door](http://192.168.100.127:8085/api/v1/Map/Door)

```
{  
  "ids": [4]  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```



## 8.View

---

---

## 8 View

### 8.1 Custom Layout

#### 8.1.1 Get Custom Layout

##### Description

Get custom layout.

##### Usage

Request parameters	GET
URL	/api/v1/Layout
data	none

##### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

##### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

##### Examples

[GET http://192.168.100.127:8085/api/v1/Layout](http://192.168.100.127:8085/api/v1/Layout)

Returned message

```
[
  {
    "layoutId": 1,
    "UUID": "1c064e6e-4c5d-49e2-8b73-50c0385bd8ac",
    "layoutIcon": "",
    "layoutName": "1",
    "layoutType": "1|1",
    "setting": {
      "layoutView": [
        {
```



```

        "position": "1-1",
        "rowStart": 1,
        "rowEnd": 2,
        "colStart": 1,
        "colEnd": 2,
        "merged": true
    }
]
},
"createdAt": "2024-09-09T10:55:42.11767+08:00",
"updatedAt": "2024-09-09T10:55:42.11767+08:00"
},
...

```

## 8.1.2 Add Custom Layout

### Description

Add custom layout.

### Usage

Request parameters	POST
URL	/api/v1/Layout
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
layoutName	int	must	Custom Layout Name
layoutIcon	string	must	Customize the layout icon
layoutType	int	must	Customize layout classification
setting	objece	must	Internal fields

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

---

## Examples

[POST http://192.168.100.127:8085/api/v1/Layout](http://192.168.100.127:8085/api/v1/Layout)

```
{
  "layoutName": "layout1",
  "layoutIcon": "layout1",
  "layoutType": "2|2",
  "setting": {
    "layoutView": [
      {
        "position": "1-1",
        "rowStart": 1,
        "rowEnd": 3,
        "colStart": 1,
        "colEnd": 2,
        "merged": true
      },
      {
        "position": "1-1",
        "rowStart": 1,
        "rowEnd": 3,
        "colStart": 2,
        "colEnd": 3,
        "merged": true
      }
    ]
  }
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 8.1.3 Delete Custom Layout

#### Description

Delete custom layout.

#### Usage

Request parameters	DELETE
URL	/api/v1/Layout
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Custom layout id

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

#### Examples

[DELETE http://192.168.100.127:8085/api/v1/Layout](http://192.168.100.127:8085/api/v1/Layout)

```
{
  "ids": [4]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

## 8.2 View

---

## 8.2.1 Get View

### Description

Get View.

### Usage

Request parameters	GET
URL	/api/v1/View/&1
data	none

### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
viewId	int	View ID
uuid	string	View UUID
parentId	int	Parent view id
devPartitionId	int	Device partition id
viewType	string	View type
userName	string	User name
viewName	string	View name
layoutId	int	Custom layout id
layout	object	Customize layout content
viewEntity	array	Properties of each grid

### Examples

GET <http://192.168.100.127:8085/api/v1/View>

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": {
    "viewId": 1,
    "uuid": "29cd10e3-6aef-419e-87be-2704a3c091bd",
    "parentId": 0,
    "devPartitionId": 10000,
    "viewType": "USC_VIEW_PUBLIC",
    "userName": "admin",
    "viewName": "view1",
    "layoutId": 7,
    "layout": {
      "layoutId": 7,
      "UUID": "fb84ba97-1752-47f1-9163-4845236626ef",
      "layoutIcon": "",
      "layoutName": "4",
      "layoutType": "2|2",
      "setting": {
        "layoutView": [
          {
            "position": "1-1",
            "rowStart": 1,
            "rowEnd": 2,
            "colStart": 1,
            "colEnd": 2,
            "merged": false
          },
          {
            "position": "1-2",
            "rowStart": 1,
            "rowEnd": 2,
            "colStart": 2,
            "colEnd": 3,
            "merged": false
          },
          .....
        ]
      }
    }
  }
}
```

---

```
"viewEntity": [
  {
    "viewEntityId": 1,
    "viewId": 1,
    "uuid": "00000000-0000-0000-0000-000000000000",
    "entityType": "USC_VIEW_MAP",
    "layoutPosition": "h1-1",
    "resourceUUID": "db8fca28-3cd5-4e60-9e4a-8d69ddfb9bd0",
    "profile": "",
    "Map": {
      "mapId": 3,
      "type": "USC_MAP_TILE",
      "uuid": "db8fca28-3cd5-4e60-9e4a-8d69ddfb9bd0",
      "devPartitionId": 10000,
      "extent": null,
      "center": [
        121,
        31
      ],
      "zoom": 14,
      "minZoom": 7,
      "maxZoom": 18,
      "mapName": "Map World",
      "mapUrl": "http://t1.tianditu.gov.cn/vec_c/wmts?
SERVICE=WMTS&REQUEST=GetTile&VERSION=1.0.0&LAYER=img&STYLE=default&TILEMATRIXSET=w&
FORMAT=tiles&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}
&tk=52c8ce2d4d1701548ee57db026b301ea",
      "mapUrl2": "",
      "projection": "EPSG:4326",
      "description": "Map1 Description",
      "mapView": null,
      "mapElementLink": null,
      "mapElementChannel": null,
      "mapElementDoor": null,
      "createdAt": "2024-09-09T15:20:27.340996+08:00",
      "updatedAt": "2024-09-09T16:30:15.057014+08:00"
    }
  },
],
```

...

## 8.2.2 Add View

### Description

Add View.

### Usage

Request parameters	POST
URL	/api/v1/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
devPartitionId	int	must	Device partition id
viewType	string	must	View types USC_VIEW_PRIVATE (private), USC_VIEW_PUBLIC (public)
viewName	string	must	View Name
layoutId	objece	must	Custom layout id
viewEntity	array	must	Refer to the description of the viewEntity parameter

### ViewEntity Usage

Name	Type	Parameter mandatory	Description
entityType	string	must	USC_VIEW_CAMERA(Channel) USC_VIEW_MAP(Map)
layoutPosition	string	must	In the custom layout grid
resourceUUID	int	must	The UUID of the map or channel
profile	String	object	Main and auxiliary streams

### Response

Name	Type	Description
code	int	0 indicates success

msg	string	Specific description success or failure
-----	--------	---

## Examples

POST <http://192.168.100.127:8085/api/v1/View>

```
{
  "devPartitionId":10000,
  "viewType":"USC_VIEW_PRIVATE",
  "viewName":"view1",
  "layoutId":10,
  "viewEntity":[{"entityType":"USC_VIEW_CAMERA",
    "layoutPosition":"2-2",
    "resourceUUID":"5dd00d23-b479-4f86-a800-eba9a2c24bd9",
    "profile":"main"}
  ]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 8.2.3 Modify View

#### Description

Modify View.

#### Usage

Request parameters	PUT
URL	/api/v1/View
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
viewId	int	must	View ID



devPartitionId	int	must	Device partition id
viewType	string	must	View types USC_VIEW_PRIVATE (private), USC_VIEW_PUBLIC (public)
viewName	string	must	View Name
layoutId	objece	must	Custom layout id
viewEntity	array	must	Refer to the description of the viewEntity parameter

### ViewEntity Usage

Name	Type	Parameter mandatory	Description
entityType	string	must	USC_VIEW_CAMERA(Channel), USC_VIEW_MAP(Map)
layoutPosition	string	must	In the custom layout grid
resourceUUID	int	must	The UUID of the map or channel
profile	String	object	Main and auxiliary streams

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

PUT <http://192.168.100.127:8085/api/v1/View>

```
{
  "viewId": 3,
  "devPartitionId":10000,
  "viewType":"USC_VIEW_PRIVATE",
  "viewName":"view1",
  "layoutId":10,
  "viewEntity":[{"
```

```

        "entityType": "USC_VIEW_CAMERA",
        "layoutPosition": "2-2",
        "resourceUUID": "5dd00d23-b479-4f86-a800-eba9a2c24bd9",
        "profile": "main"
    }}
}
Returned message
{
    "code": 0,
    "msg": "Success"
}

```

## 8.2.4 Delete View

### Description

Delete View.

### Usage

Request parameters	DELETE
URL	/api/v1/View
data	application/json;charset=UTF-8

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	View ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[DELETE http://192.168.100.127:8085/api/v1/View](http://192.168.100.127:8085/api/v1/View)

```

{
    "ids": [4]
}

```

```

}
Returned message
{
  "code": 0,
  "msg": "Success"
}

```

## 8.3 Patrol

### 8.3.1 Obtain Patrol List

#### Description

Obtain the patrol list.

#### Usage

Request parameters	GET
URL	/api/v1/Patrol/List
data	none

#### Parameters

Name	Type	Parameter mandatory	Description
none	none	none	none

#### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure
patrolId	int	Patrol ID
uuid	string	Patrol uuid
patrolName	string	Patrol name
devPartitionId	int	Device partition id
viewId	int	View ID
dwelTime	int	Stay time

#### Examples

---

[GET http://192.168.100.127:8085/api/v1/View](http://192.168.100.127:8085/api/v1/View)

Returned message

```
{
  "code": 0,
  "msg": "Success",
  "result": [
    {
      "patrolId": 1,
      "uuid": "659613b6-dd1e-450b-8e84-deda2ccc1d47",
      "patrolName": "patrol1",
      "elementView": [
        {
          "patrolId": 1,
          "viewId": 1,
          "patrolTime": 20
        }
      ]
    }
  ]
}
```

### 8.3.2 Add Patrol

#### Description

Add Patrol

#### Usage

Request parameters	POST
URL	/api/v1/Patrol
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
patrolName	string	must	Patrol name
dwelTime	int	must	Stay time
viewId	int	must	View ID

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

POST <http://192.168.100.127:8085/api/v1/View>

```
{
  "patrolName": "patroll1",
  "elementView": [
    {
      "patrolTime": 20,
      "viewId": 1
    }
  ]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 8.3.3 Modify Patrol

#### Description

Modify Patrol.

#### Usage

Request parameters	PUT
URL	/api/v1/Patrol
data	application/json;charset=UTF-8

#### Parameters

Name	Type	Parameter mandatory	Description
uuid	int	must	Patrol uuid

patrolName	string	must	Patrol name
dwelTime	string	must	Stay time
viewId	string	must	View ID

## Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

## Examples

[PUT http://192.168.100.127:8085/api/v1/View](http://192.168.100.127:8085/api/v1/View)

```
{
  "uuid": "d18d5d11-c316-4393-be08-16dc54b2f34c",
  "patrolName": "patrol10",
  "elementView": [
    {
      "patrolTime": 20,
      "viewId": 1
    }
  ]
}
```

Returned message

```
{
  "code": 0,
  "msg": "Success"
}
```

### 8.3.4 Delete Patrol

#### Description

Delete Patrol.

#### Usage

Request parameters	DELETE
URL	/api/v1/Patrol

---

data	application/json;charset=UTF-8
------	--------------------------------

### Parameters

Name	Type	Parameter mandatory	Description
ids	array	must	Patrol ID

### Response

Name	Type	Description
code	int	0 indicates success
msg	string	Specific description success or failure

### Examples

[DELETE http://192.168.100.127:8085/api/v1/Patrol](http://192.168.100.127:8085/api/v1/Patrol)

```
{  
  "ids": [4]  
}
```

Returned message

```
{  
  "code": 0,  
  "msg": "Success"  
}
```





# 9.JS Video SDK

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## 9 JS Video SDK

### JS Video Playback SDK

The JS video playback SDK provides interfaces for real-time video and playback in the HTML5 environment. The JS video playback SDK requires the `www/js/h5splayer.js` reference package. Refer to the `www/rtc.html` example. This section introduces the relevant interfaces. The following are relevant examples. You can open `ws.html` and `rtc.html` to refer to the relevant code.

<http://localhost:8080/ws.html?token=token2>  
<http://localhost:8080/rtc.html?token=token2>  
<http://localhost:8080/ws.html?token=token2&stream=main>  
<http://localhost:8080/rtc.html?token=token2&stream=sub>

If you need to automatically play, starting from r11.3, `ws.html` and `rtc.html` support automatic playback, and you can add `autoplay=true`.

<http://192.168.100.122:8080/rtc.html?token=token1&autoplay=true>  
<http://192.168.100.122:8080/ws.html?token=token1&autoplay=true>

<http://localhost:8080/rtmp.html?token=token2>  
<http://localhost:8080/rtmp2.html?token=token2>

The token needs to be replaced with the configured token or generated token. If it is an NVR or platform device, you can view the corresponding token in the management interface Settings -> Devices -> All. Or use `GetDeviceSrc/GetGbDeviceSrc/GetCloudDeviceSrc` to obtain them separately. For specific usage methods, please refer to the API documentation.

If authentication is enabled for the service, you need to obtain a session from the Login API and keep it alive using the Keepalive API (the default timeout is 600 seconds). To add a session to the original address, use the following command format.

<http://192.168.100.145:8080/ws.html?token=1d4f&session=4ec47fb4-a74a-4e02-96a1-369151cfc09>

### 9.1 Real-Time Video Interface Parameters

#### Interface Description

The javascript interface parameters are as follows:

```
var conf = {
```

```

videoid:'h5sVideo1', //{string} - id of the video element tag

videodom: h5svideodom1, //{object} - video dom. if there has videoid, just use the
videoid

protocol: window.location.protocol, // {string} - 'http:' or 'https:'

host: window.location.host, //{string} - 'localhost:8080'

rootpath:window.location.pathname, // {string} - path of the app running

token:'token1', // {string} - token of stream

streamprofile: 'main', // {string} - stream profile, main/sub or other predefine
transcoding profile

pbconf: pbconf1, //This is optional, if no pbconf, this will be live.

hlsver:'v1', //{string} - v1 is for ts, v2 is for fmp4

session:'c1782caf-b670-42d8-ba90-2244d0b0ee83', //{string} - session got from
login

consolelog: 'true' // 'true' or 'false' enable/disable console.log

};

```

## Parameters

Name	Type	Parameter mandatory	Description
videoid	string	optional	HTML5 video element id, videoid和 videodom either-or
videodom	string	optional	HTML5 video DOM, videoid和 videodom either-or
protocol	string	must	agreement 'http:' or 'https:'
host	string	must	Service Host 'localhost:8080' or '192.168.1.1:8080'
rootpath	string	must	API root path, the default is '/'. If the service is proxied, fill in the proxied path
token	string	must	Video source token
streamprofile	string	optional	main/sub or predefined transcoding profile token, effective for real-time video

pbconf	string	optional	The playback configuration item is empty in real time. For the specific format, refer to <b>the playback video interface parameters</b>
hlsver	string	optional	Outdated parameter, keep 'v1'
session	string	must	Session obtained by Login
consolelog	string	optional	Whether to enable the playback of SDK logs, enabled by default

## Examples

Please refer to the example at [www/rtc.html](http://www/rtc.html).

## 9.2 Playback Video Interface Parameters

### Description

The javascript interface parameters are as follows. Remote playback refers to playback from NVR or third-party platforms, while service playback refers to playback from H5S video data.

```
function PlaybackCB(event, userdata)
{
    var msgevent = JSON.parse(event);
    if (msgevent.type === 'H5S_EVENT_PB_TIME')
    {
    }

    if (msgevent.type === 'H5S_EVENT_PB_SESSION_ID')
    {
    }
}

var pbconf1 = {
    begintime: '2019-03-23T120101+08',//{string} begintime 0 for fileplayback
    endtime: '2019-03-23T150101+08',//{string} endtime 0 for fileplayback
    autoplay: 'true', // 'true' or 'false' for playback autoplay
    showposter: 'true', //'true' or 'false' show poster
}
```

```

serverpb: 'true', // 'true' or 'false' playback from h5stream record, default false

filename: 'token1.mp4', // file name need to playback (begintime == 0 & endtime ==
0 and serverpb is true)

callback: PlaybackCB, //{function}(event(string), userdata(object))

userdata: user data // user data

};

var conf = {

videoid: 'h5sVideo1', //{string} - id of the video element tag

videodom: h5svideodom1, //{object} - video dom. if there has videoid, just use the
videoid

protocol: window.location.protocol, // {string} - 'http:' or 'https:'

host: window.location.host, //{string} - 'localhost:8080'

rootpath: window.location.pathname, // {string} - path of the app running

token: 'token1', // {string} - token of stream

streamprofile: 'main', // {string} - stream profile, main/sub or other predefine
transcoding profile

pbconf: pbconf1, // This is optional, if no pbconf, this will be live.

hlsver: 'v1', //{string} - v1 is for ts, v2 is for fmp4

session: 'c1782caf-b670-42d8-ba90-2244d0b0ee83', //{string} - session got from
login

consolelog: 'true' // 'true' or 'false' enable/disable console.log

};

```

## Parameters

The conf interface parameters refer to the real-time video interface parameters, as shown below for playback parameters:

Name	Type	Parameter mandatory	Description

begintime	string	must	Playback start time, ISO 8601 format
endtime	string	must	Playback end time, ISO 8601 format
autoplay	string	must	Whether to play automatically
showposter	string	must	Whether to display the latest data frame of the video source cache
serverpb	string	must	Is it service playback or remote playback
filename	string	optional	When both begintime and endtime are '0', it means playback by file name. When playing back by file name, filename is the file name returned by the video command, such as "strFileName": "107-e88c9fae-2c56-4329-b9e2-ec99dd36ab9d.mp4"
callback	function	must	Replay event callback
userdata	object	must	Replay event callback parameters

The callback function will provide the current playback information. The specific event description is as follows:

Type	Description
H5S_EVENT_PB_SESSION_ID	Replay the session ID, which is called before the playback data starts. You can use PbSnapshot to capture the data that was replayed at that time
H5S_EVENT_PB_TIME	Playback progress, call every second

## Examples

For remote playback, please refer to [www/playback2.html](http://www/playback2.html)

For file-based playback during service playback, refer to [www/serverfilepb.html](http://www/serverfilepb.html)

For time-based playback during service playback, refer to [www/serverpb.html](http://www/serverpb.html)

## 9.3 WS Interface

### Description

The javascript interface parameters are as follows:

```
function H5sPlayerWS(conf)
H5sPlayerWS.prototype.connect
H5sPlayerWS.prototype.disconnect
```

#### Playback Control

```
H5sPlayerWS.prototype.start
H5sPlayerWS.prototype.pasue
H5sPlayerWS.prototype.resume
```

### Parameters

The conf parameter refers to the real-time video interface parameters and playback video interface parameters. When WS is used for playback, control and speed-up are not supported.

### Examples

You can refer to the example at [www/ws.html](http://www/ws.html).

## 9.4 RTC Interface

### Description

The javascript interface parameters are as follows:

```
function H5sPlayerRTC(conf)
H5sPlayerRTC.prototype.connect
H5sPlayerRTC.prototype.disconnect
```

#### Playback Control

```
H5sPlayerRTC.prototype.start
H5sPlayerRTC.prototype.pasue
H5sPlayerRTC.prototype.resume
H5sPlayerRTC.prototype.speed(x) //x 0.5 1 2 4 8 16
H5sPlayerRTC.prototype.seek(x) //x 相对开始回放时间的偏移 单位为秒
```

### Parameters

For the conf parameter, refer to the real-time video interface parameters and playback video interface parameters.

---

## Examples

You can refer to the example at [www/rtc.html](http://www/rtc.html).



# 10. Appendix A FAQ

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## 10 Appendix A FAQ

### 1. Is there any naming rule for tokens in h5s?

The token of h5s is composed of letters and numbers, supports a single hyphen and underscore, and does not support special characters (such as @\$ etc.). Correct examples include token1\_1 and token1-1. Double hyphens are not supported, such as token1--1.