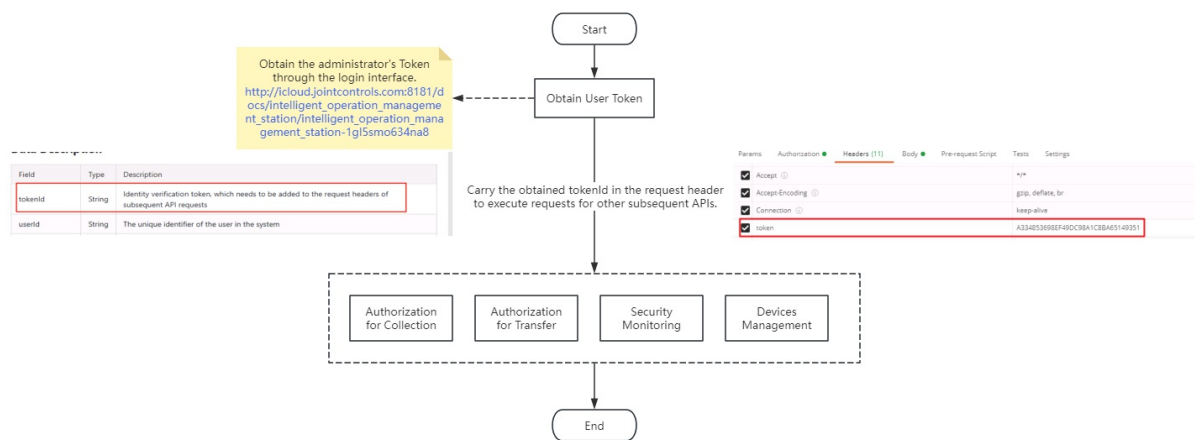


目 录

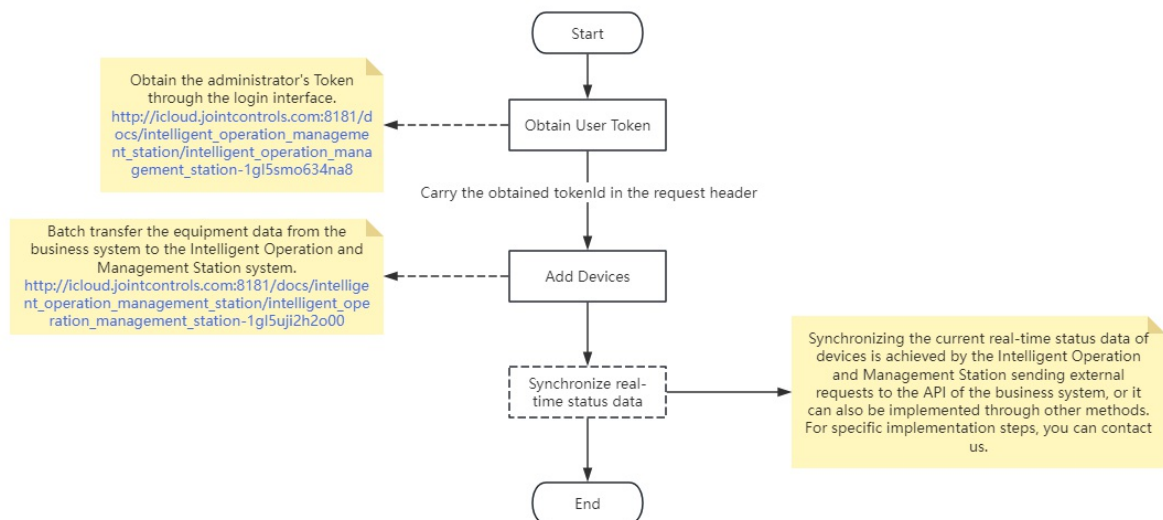
Docking Process	
Obtain User Token	
Devices Management	
Add Devices	
Delete Device	
Query the list of synchronized devices	
Authorization Management for Collection	
New Authorization	
Update Authorization	
Delete Authorization	
Query Authorization List	
Transfer Authorization Management	
New Authorization	
Update Authorization	
Delete Authorization	
Query Authorization List	
Intelligent Operation Station Management	
Add Management Station	
Update Management Station	
Delete Management Station	
Query Management Station List	
Query Management Station Details	
Query Fault Report	
Query all unhandled fault reports	
Handle fault reports	
Security Monitoring	
Query the list of security monitoring devices	
Query Device Channel Number	
Real-time Streaming Command	
Close Streaming Command	
Request device status data externally	

Deployment Requirements for Intelligent Operation

Docking Process



Note: Before officially using the Intelligent Operation and Management Station, you first need to import the devices to be managed into the Device Management Module of the Intelligent Operation and Management Station. We can also use APIs to handle this task.



Obtain User Token

Interface Address

<https://api.example.com/omstation/login/userLogin>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	Accept	Accept-Encoding	Connection	token	A334853698EF49DC98A1C8BA65149351
		/	gzip, deflate, br	keep-alive		

Request Parameters

Parameter Example

```
{
  "userName": "admin",
  "password": "e10adc3949ba59abbe56e057f20f883e"
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

userName	String	User name	Y
password	String	Password (after 32 - bit MD5 encryption of the plaintext password)	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "tokenId": "A334853698EF49DC98A1C8BA65149351",
    "userId": "620FF63E384345F4935BF6A1B9095A7B",
    "orgId": "520FF63E384345F4935BF6A1B9095A7B",
    "orgName": "Jiutong IoT",
    "timeDiff": 28800,
    "loginTime": "2024-02-28T01:10:56.979Z",
    "loginTimestamp": 1709082656979,
    "logoUrl": null,
    "defaultMenu": null,
    "dateFormat": "yyyy-MM-dd",
    "defaultMap": 1,
    "webTheme": "rgba(132, 15, 48, 1)",
    "adminCode": "ru+IU7pmWpCzW33Wk+J8pKbz79M13wPEOX5YoA/7d7AEEujf1AIWyA2xXm71gJQN",
    "moduleStyle": 0
  }
}
```

Result Description

Field	Type	Description
code	int	Status code, see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
tokenId	String	Identity verification token, which needs to be added to the request headers of subsequent API requests
userId	String	The unique identifier of the user in the system
orgId	String	The unique identifier of the organization to which the user belongs in the system
orgName	String	Organization name
timeDiff	int	Time difference, unit: s
loginTime	String	The current login time of the user in the system, UTC
loginTimestamp	long	The current login time of the user in the system, millisecond timestamp
logoUrl	String	Company's Logo URL
defaultMenu	String	Default page, to be expanded later
dateFormat	String	Time format
defaultMap	int	Default map
webTheme	String	Theme color, to be expanded later
moduleStyle	int	Navigation style, to be expanded later
adminCode	String	Administrator code

Devices Management

Add Devices

Interface Address

<https://api.example.com/omstation/device/addDeviceInfo>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "orgId": "A334853698EF49DC98A1C8BA65149351",
  "deviceInfoList": [{
    "deviceType": 701,
    "deviceId": "123457865465"
  }, {
    "deviceType": 709,
    "deviceId": "897451654"
  }]
}
```

```
]
}
```

Parameter Description

Field	Type	Description	Required
deviceInfoList	List	Device list	Y
orgId	String	Unique organization identifier, the information will be returned by the interface that obtains the user Token.	Y

Description of latticeAssetList Fields

Field	Type	Description	Required
deviceType	int	Device type, it includes: 701, 705, 709; which correspond to 701: JT701 product; 705: JT705C product; 709: JT709A product respectively.	Y
deviceId	String	Device number	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}
```

```
{
  "code": 105,
  "message": "Operation succeeded",
  "data": null
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Delete Device

Interface Address

<https://api.example.com/omstation/device/deleteDeviceInfo>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351
- lang: zh / en

Params	Authorization ●	Headers (11)	Body ●	Pre-request Script	Tests	Settings
☒	Accept ①			*/*		
☒	Accept-Encoding ①			gzip, deflate, br		
☒	Connection ①			keep-alive		
☒	token			A334853698EF49DC98A1C8BA65149351		

Request Parameters

Parameter Example

```
{
  "deviceIds": ["123457865465", "897451654"]
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

deviceIds	List	Device list (list of device IDs to be deleted)	Y
-----------	------	--	---

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Query the list of synchronized devices

Interface Address

<https://api.example.com/omstation/device/queryDeviceInfoList>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "orgId": "520FF63E384345F4935BF6A1B9095A7C",
  "key": "",
  "pageNum": "1",
  "pageSize": 20
}
```

Parameter Description

Field	Type	Description	Required
orgId	String	Unique organization identifier	Y
key	String	Fuzzy query keyword	N
pageNum	int	Pagination query: page number	Y
pageSize	int	Pagination query: number of items displayed per page	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "total": 9,
    "size": 1,
    "data": [
      {
        "deviceId": "794011000931",
        "deviceType": 709,
        "deviceTypeName": "JT709",
        "createTime": "2024-04-25 06:20:59",
        "creatorId": null,
        "userName": null,
        "orgId": "520FF63E384345F4935BF6A1B9095A7C",
        "orgName": "Jointech Software Department"
      },
      {
        "deviceId": "794104004173",
        "deviceType": 709,
        "deviceTypeName": "JT709",
        "createTime": "2024-04-25 06:20:59",
        "creatorId": null,
        "userName": null,
        "orgId": "520FF63E384345F4935BF6A1B9095A7C",
        "orgName": "Jointech Software Department"
      }
    ]
  }
}
```

```
}  
}
```

Result Description

Field	Type	Description
code	int	Status code; see “Status Code Description” for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
deviceId	String	Device number
deviceType	Int	Device type
deviceTypeName	String	Device type name
orgId	String	Unique organization identifier
orgName	String	Organization name
status	int	Status (0: Disabled; 1: Enabled)
userName	String	Creator
createTime	String	Creation time (UTC)

Authorization Management for Collection

New Authorization

Interface Address

<https://api.example.com/omstation/auth/addAuthCollection>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "type":0,
  "startTime":null,
  "endTime":null,
  "deviceTypes":{"\\701\\":"JT701\\", "\\705\\":"JT705C\\"},
  "toUser":"liujs",
  "phoneNum":"13632688935",
  "email":"","
  "descInfo":"","
```

```
"orgId": "520FF63E384345F4935BF6A1B9095A7C"
}
```

Parameter Description

Field	Type	Description	Required
type	String	Authorization type; 0: Single-use; 1: Multiple uses within a valid time period; 2: Permanent validity	Y
startTime	String	Valid when type=1, start time of the authorization period	Y
endTime	String	Valid when type=1, end time of the authorization period	Y
deviceTypes	String	Authorized device type collection, JSON string	Y
orgId	String	Unique organization identifier	Y
toUser	String	Contact person for collection	Y
phoneNum	String	Contact phone number	Y
email	String	Contact email	Y
descInfo	String	Description	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": "85F6E467BB2C461783AB62F3230EE86F"
}
```

Result Description

--	--	--

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Update Authorization

Interface Address

<https://api.example.com/omstation/auth/updateAuthCollection>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "id": "",
  "type": 0,
  "startTime": null,
  "endTime": null,
  "deviceTypes": "{\"701\":\"JT701\", \"705\":\"JT705C\"}",
  "toUser": "liujs",
  "phoneNum": "13632688935",
  "email": "",

```

```

"descInfo": "",
"orgId": "520FF63E384345F4935BF6A1B9095A7C"
}

```

Parameter Description

Field	Type	Description	Required
id	String	Unique identifier of the collection authorization	Y
type	String	Authorization type; 0: Single-use; 1: Multiple uses within a valid time period; 2: Permanent validity	Y
startTime	String	Valid when type=1, start time of the authorization period	Y
endTime	String	Valid when type=1, end time of the authorization period	Y
deviceTypes	String	Authorized device type collection, JSON string	Y
orgId	String	Unique organization identifier	Y
toUser	String	Contact person for collection	Y
phoneNum	String	Contact phone number	Y
email	String	Contact email	Y
descInfo	String	Description	Y

Return Result

Result Example

```

{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}

```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Delete Authorization

Interface Address

<https://api.example.com/omstation/auth/deleteAuthCollection>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351
- lang: zh / en

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	Accept	Accept	Accept	Accept	Accept
☒	Accept-Encoding	Accept-Encoding	Accept-Encoding	Accept-Encoding	Accept-Encoding	Accept-Encoding
☒	Connection	Connection	Connection	Connection	Connection	Connection
☒	token	token	token	token	token	token

Request Parameters

Parameter Example

```
{
  "id": "6558929EF42445D6BB2BE70126571D38"
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

id	String	Unique identifier of the collection authorization	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Query Authorization List

Interface Address

<https://api.example.com/omstation/auth/queryAuthCollectionList>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "orgId": "520FF63E384345F4935BF6A1B9095A7B",
  "startTime": "2024-03-06",
  "endTime": "2024-03-08",
  "status": -1,
  "key": "",
  "pageNum": "1",
  "pageSize": 20
}
```

Parameter Description

Field	Type	Description	Required
orgId	String	Unique organization identifier	Y
startTime	String	Start time	Y
endTime	String	End time	Y
key	String	Keyword for fuzzy query	Y
status	int	Status (-2: All; -1: Cancelled; 0: Unused; 1: In use; 2: Used; 3: Stopped; 4: Expired)	Y
pageNum	int	Pagination query: page number	Y
pageSize	int	Pagination query: number of items displayed per page	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "total": 1,
    "size": 0,
    "data": [
      {
        "id": "B59AB675E28E42EDA4D4DE8AEB42AE13",
        "type": 0,
        "startTime": null,
        "endTime": null,
        "deviceTypes": "701,705",
        "toUser": "liujs",
        "phoneNum": "13632688935",
        "email": "334",
        "descInfo": "5454",
        "status": 0,
      }
    ]
  }
}
```

```
      "createTime": "2024-03-07 07:02:56",
      "creatorId": "620FF63E384345F4935BF6A1B9095A7B",
      "userName": "admin",
      "updateTime": null,
      "orgName": "Jiutong Software Department",
      "authCode": "XIw5uzdsfB6QHMF4ICVys6fYjjHb1Mb2Z00KDwazckN5f
3NJFAp0gDK1pQwgeGC",
      "orgId": "520FF63E384345F4935BF6A1B9095A7C"
    }
  ]
}
}
```

Result Description

Field	Type	Description
code	int	Status code; see “Status Code Description” for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (List Item) Description

Field	Type	Description
id	String	Unique identifier of the collection authorization
type	String	Authorization type (0: Single-use; 1: Multiple uses within a valid time period; 2: Permanent validity)
startTime	String	Valid when type=1: start time of the authorization period

endTime	String	Valid when type=1: end time of the authorization period
deviceTypes	String	Authorized device type collection (JSON string)
userName	String	Creator
orgId	String	Unique organization identifier
orgName	String	Organization name
status	int	Status (-1: Cancelled; 0: Unused; 1: In use; 2: Used; 3: Stopped; 4: Expired)
toUser	String	Contact person
phoneNum	String	Contact phone number
email	String	Contact email
descInfo	String	Description
updateTime	String	Last update time (UTC)
createTime	String	Creation time (UTC)
creatorId	String	Unique identifier of the creator
authCode	String	Authorization code

Transfer Authorization Management

New Authorization

Interface Address

<https://api.example.com/omstation/auth/addAuthTransfer>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351
- lang: zh / en

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	①			*/*	
☒	Accept-Encoding	①			gzip, deflate, br	
☒	Connection	①			keep-alive	
☒	token				A334853698EF49DC98A1C8BA65149351	

Request Parameters

Parameter Example

```
{
  "authInfo": "[{\"deviceType\":\"701\",\"count\":2},{\"deviceType\":\"709\",\"count\":1}]",
  "toUser": "liujs",
  "phoneNum": "13632688935",
  "email": "",
  "descInfo": "",
  "orgId": "520FF63E384345F4935BF6A1B9095A7C"
```

}

Parameter Description

Field	Type	Description	Required
authInfo	String	Collection of device types for transfer authorization, JSON string	Y
orgId	String	Unique organization identifier	Y
toUser	String	Contact person for collection	Y
phoneNum	String	Contact phone number	Y
email	String	Contact email	Y
descInfo	String	Description	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": "85F6E467BB2C461783AB62F3230EE86F"
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Update Authorization

Interface Address

<https://api.example.com/omstation/auth/updateAuthTransfer>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "id": "",
  "authInfo": "[{\"deviceType\":701,\"count\":2},{\"deviceType\":709,\"count\":1}]",
  "toUser": "liujs",
  "phoneNum": "13632688935",
  "email": "",
  "descInfo": "",
  "orgId": "520FF63E384345F4935BF6A1B9095A7C"
```

}

Parameter Description

Field	Type	Description	Required
id	String	Unique identifier of the transfer authorization	Y
authInfo	String	Collection of device types for transfer authorization, JSON string	Y
orgId	String	Unique organization identifier	Y
toUser	String	Contact person for collection	Y
phoneNum	String	Contact phone number	Y
email	String	Contact email	Y
descInfo	String	Description	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Delete Authorization

Interface Address

<https://api.example.com/omstation/auth/deleteAuthTransfer>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351
- lang: zh / en

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	①				*/*
☒	Accept-Encoding	①				gzip, deflate, br
☒	Connection	①				keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "id": "6558929EF42445D6BB2BE70126571D38"
}
```

Parameter Description

Field	Type	Description	Required
id	String	Unique identifier of the transfer authorization	Y

Return Result

Result Example

```
{  
  "code": 200,  
  "message": "Operation succeeded",  
  "data": null  
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Query Authorization List

Interface Address

<https://api.example.com/omstation/auth/queryAuthTransferList>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "orgId": "520FF63E384345F4935BF6A1B9095A7B",
  "startTime": "2024-03-06",
  "endTime": "2024-03-08",
  "status": -1,
  "key": "",
  "pageNum": "1",
  "pageSize": 20
}
```

Parameter Description

Field	Type	Description	Required
orgId	String	Unique organization identifier	Y
startTime	String	Start time	Y
endTime	String	End time	Y
key	String	Keyword for fuzzy query	Y
status	int	Status (-2: All; -1: Cancelled; 0: Unused; 1: Used)	Y
pageNum	int	Pagination query: page number	Y
pageSize	int	Pagination query: number of items displayed per page	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "total": 1,
    "size": 0,
    "data": [
      {
        "id": "6558929EF42445D6BB2BE70126571D38",
        "authInfo": null,
        "toUser": "liujs",
        "phoneNum": "13632688935",
        "email": "334",
        "descInfo": "13632688935",
        "status": 1,
        "createTime": "2024-03-07 06:19:40",
        "creatorId": "620FF63E384345F4935BF6A1B9095A7B",
        "userName": "admin",
        "updateTime": null,
      }
    ]
  }
}
```

```

        "orgName": "Jiutong Software Department",
        "authCode": "XIw5uzdsfB6QHMF4ICVys6fYjjHb1Mb2Z00KDwazckN5f
3NJFAp0gDK1pQwgeGC",
        "orgId": "520FF63E384345F4935BF6A1B9095A7C"
    }
]
}
}

```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (List Item) Description

Field	Type	Description
id	String	Unique identifier of the transfer
authInfo	String	Transfer details, JSON string recording the quantity of each device type transferred
userName	String	Creator
orgId	String	Unique organization identifier
orgName	String	Organization name

status	int	Status (0: Unused; 1: Used; -1: Cancelled)
toUser	String	Contact person
phoneNum	String	Contact phone number
email	String	Contact email
descInfo	String	Description
updateTime	String	Last update time (UTC)
createTime	String	Creation time (UTC)
creatorId	String	Unique identifier of the creator (UTC)
authCode	String	Authorization code

Intelligent Operation Station Management

Add Management Station

Interface Address

<https://api.example.com/omstation/station/addStationInfo>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351
- lang: zh / en

Params	Authorization ●	Headers (11)	Body ●	Pre-request Script	Tests	Settings
☒	Accept ①			/**		
☒	Accept-Encoding ①			gzip, deflate, br		
☒	Connection ①			keep-alive		
☒	token			A334853698EF49DC98A1C8BA65149351		

Request Parameters

Parameter Example

```
{
  "id": "SG240304002",
  "stationName": "HaiGu Cabinet 3",
  "deviceId": "4564124564",
  "totalCount": "3",
  "orgId": "520FF63E384345F4935BF6A1B9095A7C",
  "latticeAssetList": [{
    "typeId": 701,
```

```

    "stationType": "A",
    "index": 1
  }, {
    "typeId": 701,
    "stationType": "A",
    "index": 2
  }, {
    "typeId": 705,
    "stationType": "C",
    "index": 1
  }
]
}

```

Parameter Description

Field	Type	Description	Required
id	String	Operation management cabinet ID	Y
stationName	String	Operation management cabinet name	Y
deviceId	String	Security device ID	Y
totalCount	String	Total number of lattice compartments	Y
orgId	String	Unique organization identifier	Y
latticeAssetList	List	List of lattice types	Y

latticeAssetList Field Description

Field	Type	Description	Required
typeId	int	Device type	Y
stationType	String	Control panel identifier (A-B-C)	Y
index	int	Lattice compartment serial number corresponding to the control panel	Y

Return Result

Result Example

```
{  
  "code": 200,  
  "message": "Operation succeeded",  
  "data": null  
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Update Management Station

Interface Address

<https://api.example.com/omstation/station/updateStationInfo>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "id": "SG240304002",
  "stationName": "HaiGu Cabinet 3",
  "deviceId": "4564124564",
  "totalCount": "3",
  "orgId": "520FF63E384345F4935BF6A1B9095A7C",
  "latticeAssetList": [{
    "typeId": 701,
    "stationType": "A",
  }]
```

```

        "index":1
    },{
        "typeId":701,
        "stationType":"A",
        "index":2
    },{
        "typeId":705,
        "stationType":"C",
        "index":1
    }
]
}

```

Parameter Description

Field	Type	Description	Required
id	String	Operation management cabinet ID	Y
stationName	String	Operation management cabinet name	Y
deviceId	String	Security device ID	Y
totalCount	String	Total number of lattice compartments	Y
orgId	String	Unique organization identifier	Y
latticeInfo	String	Details of lattice type quantity correspondence, JSON string	Y
latticeAssetList	List	List of lattice types	Y

latticeAssetList Field Description

Field	Type	Description	Required
typeId	int	Device type	Y
stationType	String	Control panel identifier (A-B-C)	Y
index	int	Lattice compartment serial number corresponding to the control panel	Y

Return Result

Result Example

```
{  
  "code": 200,  
  "message": "Operation succeeded",  
  "data": null  
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Delete Management Station

Interface Address

<https://api.example.com/omstation/station/deleteStationInfoById>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "id": "SG240304002"
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

id	String	Operation management cabinet ID	Y
----	--------	---------------------------------	---

Return Result

Result Example

```
{  
  "code": 200,  
  "message": "Operation succeeded",  
  "data": null  
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Query Management Station List

Interface Address

<https://api.example.com/omstation/station/queryStationInfoListByOrgId>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "orgId": "520FF63E384345F4935BF6A1B9095A7C"
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

orgId	String	Unique organization identifier	Y
-------	--------	--------------------------------	---

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "stationInfoList": [
      {
        "id": "SG240304001",
        "stationName": "HaiGu Cabinet 2",
        "deviceId": "4564124564",
        "totalCount": 3,
        "orgId": "520FF63E384345F4935BF6A1B9095A7C",
        "orgName": "Jiutong Software Department",
        "createTime": "2024-03-04 02:59:42",
        "creatorId": "620FF63E384345F4935BF6A1B9095A7B",
        "iconType": null,
        "formType": null,
        "centerLat": 0.0,
        "centerLon": 0.0,
        "radius": null,
        "path": null,
        "latticeAssetList": [
          {
            "typeId": 701,
            "stationType": "A",
            "index": 2
          },
          {
            "typeId": 705,
            "stationType": "C",
            "index": 1
          },
          {
            "typeId": 701,
            "stationType": "A",
            "index": 1
          }
        ]
      }
    ]
  }
}
```

```
    ]
  },
  {
    "id": "SG240304002",
    "stationName": "HaiGu Cabinet 3",
    "totalCount": 3,
    "orgId": "520FF63E384345F4935BF6A1B9095A7C",
    "orgName": "Jiutong Software Department",
    "createTime": "2024-03-07 07:34:23",
    "creatorId": "620FF63E384345F4935BF6A1B9095A7B",
    "latticeAssetList": [
      {
        "typeId": 701,
        "stationType": "A",
        "index": 1
      },
      {
        "typeId": 701,
        "stationType": "A",
        "index": 2
      },
      {
        "typeId": 705,
        "stationType": "C",
        "index": 1
      }
    ]
  }
],
"stationStatistics": {
  "sumStationCount": 2,
  "sumLowInventoryCount": 1,
  "sumInStorageCount": 2,
  "sumAvailableCount": 2,
  "sumFullChargeCount": 0,
  "sumAbnormalCount": 0,
  "sumLatticeCount": 0,
  "sumEmptyLatticeCount": 0,
  "sumInChargeCount": 0
}
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (Root Level) Description

Field	Type	Description	Required
stationInfoList	List	Operation management cabinet information objects	Y
stationStatistics	List	Operation management cabinet statistics objects	Y

stationInfoList Field Description

Field	Type	Description	Required
id	String	Operation management cabinet ID	Y
stationName	String	Operation management cabinet name	Y
deviceId	String	Security device ID	Y
totalCount	String	Total number of lattice compartments	Y
orgId	String	Unique organization identifier	Y
orgName	String	Organization name	Y
createTime	String	Creation time	Y

creatorId	String	Unique creator identifier (can be ignored)	Y
iconType	String	Site map icon (only valid when adding a new site)	-
formType	int	Site area style (0: Circular; 1: Polygonal; only valid when adding a new site)	-
centerLat	double	If it is a circular area, it represents the central point latitude	-
centerLon	double	If it is a circular area, it represents the central point longitude	-
radius	int	If it is a circular area, it represents the radius (unit: m)	-
path	String	If it is a polygonal area, it represents the set of polygonal points (the first point needs to be used as the last point to form a closed polygon)	-
address	String	Location description	-
latticeAssetList	List	List of lattice types	Y
storageCount	int	Number of devices in the cabinet	Y
availableCount	int	Number of available devices	Y
fullChargeCount	int	Number of fully charged devices	Y
abnormalCount	int	Number of abnormal devices	Y
receiveCount	int	Collection quantity	Y
returnCount	int	Return quantity	Y
trend	int	Trend (1: Rising; 2: Falling; 0: Stable)	Y

latticeAssetList Field Description

Field	Type	Description	Required
typeId	int	Device type	Y

stationType	String	Control panel identifier (A-B-C)	Y
index	int	Lattice compartment serial number corresponding to the control panel	Y

stationStatistics Field Description

Field	Type	Description	Required
sumStationCount	int	Number of operation management cabinets	Y
sumLowInventoryCount	int	Number of operation management cabinets with low inventory	Y
sumInStorageCount	int	Number of devices in the cabinet	Y
sumAvailableCount	int	Number of available devices	Y
sumFullChargeCount	int	Number of fully charged devices	Y
sumAbnormalCount	int	Number of abnormal devices	Y
sumLatticeCount	int	Total number of lattice compartments	Y
sumEmptyLatticeCount	int	Number of empty lattice compartments	Y
sumInChargeCount	int	Number of devices being charged	Y
faultRptCount	int	Number of unhandled fault reports	Y

Query Management Station Details

Interface Address

<https://api.example.com/omstation/station/queryStationLatticeDetail>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "id": "SG240304001",
  "startTime": "2024-03-07",
  "endTime": "2024-03-15"
}
```

Parameter Description

Field	Type	Description	Required
id	String	Unique identifier of the management station	Y
startTime	String	Start time (UTC)	Y
endTime	String	End time (UTC)	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "stationStatistics": {
      "sumStationCount": 3,
      "sumLowInventoryCount": 0,
      "sumInStorageCount": 0,
      "sumAvailableCount": 2,
      "sumFullChargeCount": 0,
      "sumAbnormalCount": 0,
      "sumLatticeCount": 0,
      "sumEmptyLatticeCount": 1,
      "sumInChargeCount": 0
    },
    "stationLatticeInfoList": [
      {
        "id": "BD5D853AA3174767B2A5FDEB76D3C0B5",
        "index": 2,
        "stationId": "SG240304001",
        "latticeNo": "A2",
        "updateTime": "2024-03-04T02:59:41.564673500Z",
        "lockStatus": -1,
        "deviceId": "5648974546",
        "connectPower": 1,
        "isFull": 0,
        "isFailure": 1,
        "deviceType": 701
      },
      {
        "id": "228A81E14C6C4C6392C6E7AFB8895ADD",
```

```
        "index": 1,
        "stationId": "SG240304001",
        "latticeNo": "C1",
        "updateTime": "2024-03-04T02:59:41.564673500Z",
        "lockStatus": -1,
        "deviceId": "",
        "connectPower": 0,
        "isFull": 0,
        "isFailure": 0,
        "fileUrl": "https://jointech-705c-bucket.obs.ap-southeast-1.
myhuaweicloud.com/omstation_filesSG230101001/_20240321145029/20240321145029
.mp4",
        "deviceType": 705
    },
    {
        "id": "76FDCF112E064A6880F028D0F226522D",
        "index": 1,
        "stationId": "SG240304001",
        "latticeNo": "A1",
        "updateTime": "2024-03-04T02:59:41.564673500Z",
        "lockStatus": -1,
        "deviceId": "8794654658",
        "connectPower": 1,
        "isFull": 0,
        "isFailure": 1,
        "fileUrl": "https://jointech-705c-bucket.obs.ap-southeast-1.
myhuaweicloud.com/omstation_filesSG230101001/_20240321145029/20240321145029
.mp4",
        "deviceType": 701
    }
],
"deviceInfoList": [],
"stationLogList": []
}
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (Root Level) Description

Field	Type	Description	Required
stationStatistics	List	Operation management cabinet statistics objects	Y
stationLatticeInfoList	List	Operation management cabinet lattice information objects	Y
deviceInfoList	List	In-cabinet device information objects	Y
stationLogList	List	Cabinet operation information objects	Y

stationStatistics Field Description

Field	Type	Description	Required
sumStationCount	int	Number of operation management cabinets	Y
sumLowInventoryCount	int	Number of operation management cabinets with low inventory	Y
sumInStorageCount	int	Number of devices in the cabinet	Y
sumAvailableCount	int	Number of available devices	Y
sumFullChargeCount	int	Number of fully charged devices	Y
sumAbnormalCount	int	Number of abnormal devices	Y
sumLatticeCount	int	Total number of lattice compartments	Y

sumEmptyLatticeCount	int	Total number of empty lattice compartments	Y
sumInChargeCount	int	Number of devices being charged	Y

stationLatticeInfoList Field Description

Field	Type	Description	Required
id	String	Unique identifier of the lattice compartment	Y
index	Int	Lattice compartment serial number	Y
stationId	String	Operation management cabinet ID	Y
deviceId	String	Security device ID	Y
latticeNo	String	Lattice compartment name	Y
updateTime	String	Last update time	Y
latticeInfo	String	Details of lattice type quantity correspondence (JSON string)	Y
lockStatus	String	Cabinet door status (0: Closed; 1: Open; -1: No status)	Y
deviceId	String	Device number	Y
connectPower	Int	Whether connected to power (1: Yes; 0: No; -1: No status)	Y
isFailure	Int	Whether faulty (0: No; 1: Yes)	Y
deviceType	Int	Device type	Y
deviceTypeName	Int	Device type name	Y
stationName	String	Operation management cabinet name	Y

deviceInfoList Field Description

Field	Type	Description	Required

deviceId	String	Device number	Y
deviceType	Int	Device type	Y
deviceTypeName	Int	Device type name	Y
stationId	String	Operation management cabinet ID	Y
latticeNo	String	Lattice compartment name	Y
chargeStatus	Int	Charging status (0: Not charging; 1: Charging; 2: Fully charged; -1: Unknown)	Y
battery	Int	Battery level (255 indicates charging)	Y
onlineStatus	Int	Network status (0: Not connected; 1: Connected; -1: Unknown)	Y
gpsSignal	Int	Signal value	Y
lat	double	Latitude	Y
lon	double	Longitude	Y
gpsTime	String	Positioning time	Y
orgName	Int	Organization name	Y
stationName	String	Operation management cabinet name	Y

stationLogList Field Description

Field	Type	Description	Required
deviceId	String	Device number	Y
deviceType	Int	Device type	Y
deviceTypeName	Int	Device type name	Y
stationId	String	Operation management cabinet ID	Y
stationName	String	Operation management cabinet name	Y
orgName	String	Organization name	Y
latticeNo	String	Lattice compartment name	Y

userName	String	Operator	Y
dateTime	String	Creation time	Y
FFileIndex	String	Attachment serial number (non-empty indicates there is an attachment)	Y
type	Int	Operation type	Y
fileUrl	String	Attachment path (non-empty indicates there is an attachment)	Y

Query Fault Report

Interface Address

<https://api.example.com/omstation/station/queryFaultReportList>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "startTime": "2024-03-06",
  "endTime": "2024-03-08",
  "status": -1,
  "key": "",
  "pageNum": "1",
  "pageSize": 20,
  "orgId": "520FF63E384345F4935BF6A1B9095A7B"
}
```

Parameter Description

Field	Type	Description	Required
orgId	String	Unique organization identifier	Y
status	String	Status (0: Unhandled; 1: Handled; -1: All)	Y
startTime	String	Start time	Y
endTime	String	End time	Y
pageNum	int	Pagination query: page number	Y
pageSize	int	Pagination query: number of items displayed per page	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "total": 2,
    "size": 0,
    "data": [
      {
        "id": "0231124A8679409D847FBBFED030F705",
        "stationId": "SG230101001",
        "latticeNo": "A2",
        "deviceId": null,
        "status": 1,
        "type": 1,
        "contacts": "Ss",
        "phoneNum": "15625215199",
        "email": null,
        "descInfo": "Maintenance",
        "createTime": "2024-03-25 02:36:32",
        "fileIndex": null,
        "fileUrl": "https://jointech-705c-bucket.obs.ap-southeast-1."
      }
    ]
  }
}
```

```
myhuaweicloud.com/omstation_filesSG230101001/_20240321145029/20240321145029
.mp4",
    "handler": null,
    "handlingTime": null,
    "handleDesc": null
  },
  {
    "id": "5817F511C75E443E9B003A1D0886A3F3",
    "stationId": "SG230101001",
    "latticeNo": "A1",
    "deviceId": null,
    "status": 1,
    "type": 1,
    "contacts": "Bu Ke Kai Jiao",
    "phoneNum": "155665555",
    "email": null,
    "descInfo": "Maintenance",
    "createTime": "2024-03-25 02:42:00",
    "fileIndex": null,
    "fileUrl": "https://jointech-705c-bucket.obs.ap-southeast-1.
myhuaweicloud.com/omstation_filesSG230101001/_20240321145029/20240321145029
.mp4",
    "handler": null,
    "handlingTime": null,
    "handleDesc": null
  }
]
}
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
-------	------	-------------

total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (List Item) Description

Field	Type	Description	Required
id	String	Unique ID of the fault report record	Y
stationId	String	Operation management cabinet ID	Y
deviceId	String	Device number (assigned for device fault reports)	Y
fileIndex	String	Attachment serial number (non-empty indicates there is an attachment)	Y
latticeNo	String	Lattice compartment name (assigned for lattice compartment faults and cabinet full fault reports)	Y
contacts	String	Contact person	Y
phoneNum	String	Contact phone number	Y
descInfo	String	Description	Y
type	String	Fault type (1: Lattice compartment fault; 2: Device fault report; 3: Cabinet full fault report)	Y
status	String	Status (0: Unhandled; 1: Handled)	Y
handler	String	Handler	Y
handleDesc	String	Handling description	Y
handlingTime	String	Handling time	Y
fileUrl	String	Attachment path (non-empty indicates there is an attachment)	Y

Query all unhandled fault reports

Interface Address

<https://api.example.com/omstation/station/queryFaultReportNoHandleByOrgId>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "orgId": "520FF63E384345F4935BF6A1B9095A7B"
}
```

Parameter Description

Field	Type	Description	Required
-------	------	-------------	----------

orgId	String	Unique organization identifier	Y
-------	--------	--------------------------------	---

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": [
    {
      "id": "0231124A8679409D847FBBFED030F705",
      "stationId": "SG230101001",
      "latticeNo": "A2",
      "deviceId": null,
      "status": 1,
      "type": 1,
      "contacts": "Ss",
      "phoneNum": "15625215199",
      "email": null,
      "descInfo": "Maintenance",
      "createTime": "2024-03-25 02:36:32",
      "fileIndex": null,
      "handler": null,
      "handlingTime": null,
      "handleDesc": null
    },
    {
      "id": "5817F511C75E443E9B003A1D0886A3F3",
      "stationId": "SG230101001",
      "latticeNo": "A1",
      "deviceId": null,
      "status": 1,
      "type": 1,
      "contacts": "Bu Ke Kai Jiao",
      "phoneNum": "155665555",
      "email": null,
      "descInfo": "Maintenance",
      "createTime": "2024-03-25 02:42:00",
      "fileIndex": null,
      "handler": null,
      "handlingTime": null,
    }
  ]
}
```

```

        "handleDesc": null
    }
}
]
}

```

Result Description

Field	Type	Description
code	int	Status code; see “Status Code Description” for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
total	int	Total number of data entries
size	int	Page number
data	object	Message body of the current page in pagination query

Data (List Item) Description

Field	Type	Description	Required
id	String	Unique ID of the fault report record	Y
stationId	String	Operation management cabinet ID	Y
deviceId	String	Device number (assigned for device fault reports)	Y
fileIndex	String	Attachment serial number	Y
latticeNo	String	Lattice compartment name (assigned for lattice compartment faults and cabinet full fault reports)	Y
contacts	String	Contact person	Y
phoneNum	String	Contact phone number	Y

descInfo	String	Description	Y
type	String	Fault type (1: Lattice compartment fault; 2: Device fault report; 3: Cabinet full fault report)	Y
status	String	Status (0: Unhandled; 1: Handled)	Y
handler	String	Handler	Y
handleDesc	String	Handling description	Y
handlingTime	String	Handling time	Y
fileUrl	String	Attachment path (non-empty indicates there is an attachment)	Y

Handle fault reports

Interface Address

<https://api.example.com/omstation/station/updateHandleFaultReport>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization ●	Headers (11)	Body ●	Pre-request Script	Tests	Settings
☒	Accept ⓘ	*/*				
☒	Accept-Encoding ⓘ	gzip, deflate, br				
☒	Connection ⓘ	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "id": "B7E97D7D1F02484D9E5F77B1915F75BC",
  "handleDesc": "46880K",
  "stationId": "SG240304001",
  "deviceId": "5648974546",
  "latticeNo": "A1",
  "type": 1
}
```

Parameter Description

Field	Type	Description	Required
id	String	Unique ID of the fault report data	Y
stationId	String	Operation management cabinet ID	Y
handleDesc	String	Handling description (only this field needs to be filled in on the interface)	Y
deviceId	String	Device number	Y
latticeNo	String	Lattice compartment number	Y
type	int	Fault type (1: Lattice compartment fault; 2: Device fault report; 3: Cabinet full fault report)	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": null
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Security Monitoring

Query the list of security monitoring devices

Interface Address

<https://api.example.com/omstation/gb28181/getDeviceList>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization ●	Headers (11)	Body ●	Pre-request Script	Tests	Settings
☒	Accept ⓘ	*/*				
☒	Accept-Encoding ⓘ	gzip, deflate, br				
☒	Connection ⓘ	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
null
```

Return Result

Result Example

```

{
  "code": 200,
  "message": "Operation succeeded",
  "data": [
    {
      "deviceId": "34020000001110000003",
      "channelCount": 1,
      "manufacturer": "Hmjy",
      "name": "Test",
      "firmware": "LIO-AN004.2.0.120(SP1C00E100R5P4)",
      "hostAddress": "116.30.122.147:5060",
      "model": "hmjy",
      "streamMode": "TCP-PASSIVE",
      "streamModeForParam": 1,
      "onLine": false,
      "stationId": null,
      "stationName": null
    },
    {
      "deviceId": "34020000001110000002",
      "channelCount": 2,
      "manufacturer": "Dahua",
      "name": "ECTS Security",
      "firmware": "4.003.0000000.1.R,2024-02-23",
      "hostAddress": "116.30.120.42:6006",
      "model": "DH-NVR5208-4KS3/I",
      "streamMode": "TCP-PASSIVE",
      "streamModeForParam": 1,
      "onLine": true,
      "stationId": "SG230101001",
      "stationName": "Haigu New Cabinet (Do Not Delete)"
    },
    {
      "deviceId": "34020000001110000001",
      "channelCount": 2,
      "manufacturer": "HIKVISION",
      "name": "Test Intelligent Operation Management Station Security",
      "firmware": "V4.76.015",
      "hostAddress": "116.30.120.42:6001",
      "model": "DS-7804N-Q1/4P",
      "streamMode": "TCP-PASSIVE",
      "streamModeForParam": 1,
      "onLine": true,
      "stationId": null,
      "stationName": null
    }
  ]
}

```

```

    }
  ]
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data (List Item) Description

Field	Type	Description
deviceId	String	Device number
channelCount	String	Number of channels
manufacturer	String	Manufacturer of the security camera
name	String	Name of the security camera
firmware	String	Firmware version
hostAddress	String	Camera IP address
model	String	Camera model
streamMode	String	Stream mode
onLine	boolean	Whether the camera is online
stationId	String	Operation management cabinet ID
stationName	String	Operation management cabinet name

deviceId	String	Device ID	Y
----------	--------	-----------	---

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": [
    {
      "deviceId": "34020000001110000002",
      "id": "34020000001310000002",
      "name": "IP PTZ Camera",
      "parent": false
    },
    {
      "deviceId": "34020000001110000002",
      "id": "34020000001310000001",
      "name": "IPC",
      "parent": false
    }
  ]
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description

deviceId	String	Device number
id	String	Channel ID
name	String	Channel name

Real-time Streaming Command

Interface Address

<https://api.example.com/omstation/gb28181/sendRealTimeMediaPlay>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept	*/*				
☒	Accept-Encoding	gzip, deflate, br				
☒	Connection	keep-alive				
☒	token	A334853698EF49DC98A1C8BA65149351				

Request Parameters

Parameter Example

```
{
  "deviceId": "34020000001110000003",
  "channelId": "34020000001320000001"
}
```

Parameter Description

--	--	--	--

Field	Type	Description	Required
deviceId	String	Device ID	Y
channelId	String	Channel ID	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "app": "rtp",
    "stream": "34020000001110000003_34020000001320000001",
    "flv": "http://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001.live.flv",
    "https_flv": "https://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001.live.flv",
    "ws_flv": "ws://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001.live.flv",
    "wss_flv": "wss://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001.live.flv",
    "fmp4": "http://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001.live.mp4",
    "https_fmp4": "https://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001.live.mp4",
    "ws_fmp4": "ws://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001.live.mp4",
    "wss_fmp4": "wss://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001.live.mp4",
    "hls": "http://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001/hls.m3u8",
    "https_hls": "https://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001/hls.m3u8",
    "ws_hls": "ws://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001/hls.m3u8",
    "wss_hls": "wss://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001/hls.m3u8",
    "ts": "http://cloud.jointcontrols.com:8088/rtp/34020000001110000003_34020000001320000001.live.ts",
    "https_ts": "https://cloud.jointcontrols.com:18443/rtp/34020000001110000003_34020000001320000001.live.ts"
  }
}
```

```

10000003_34020000001320000001.live.ts",
    "ws_ts": "ws://cloud.jointcontrols.com:8088/rtp/3402000000111000000
3_34020000001320000001.live.ts",
    "rtmp": "rtmp://cloud.jointcontrols.com:8935/rtp/340200000011100000
03_34020000001320000001",
    "rtsp": "rtsp://cloud.jointcontrols.com:8554/rtp/340200000011100000
03_34020000001320000001",
    "rtsp": "rtsp://cloud.jointcontrols.com:8554/rtp/340200000011100000
03_34020000001320000001",
    "rtsp": "rtsp://cloud.jointcontrols.com:8554/rtp/340200000011100000
03_34020000001320000001",
    "rtc": "http://cloud.jointcontrols.com:8088/index/api/webrtc?app=rt
p&stream=34020000001110000003_34020000001320000001&type=play",
    "rtcs": "https://cloud.jointcontrols.com:18443/index/api/webrtc?app
=rtp&stream=34020000001110000003_34020000001320000001&type=play"
  }
}

```

Result Description

Field	Type	Description
code	int	Status code; for details, please refer to "Status Code Description"
message	String	Request status description
data	object	Return result content, including different streaming addresses

Close Streaming Command

Interface Address

<https://api.example.com/omstation/gb28181/sendStopRealTimeMediaPlay>

During the development process, please replace **api.example.com** with the domain name or IP address of your own server.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "deviceId": "34020000001110000003",
  "channelId": "34020000001320000001"
}
```

Parameter Description

--	--	--	--

Field	Type	Description	Required
deviceId	String	Device ID	Y
channelId	String	Channel ID	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": {
    "deviceId": "34020000001110000003",
    "channelId": "34020000001320000001"
  }
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
deviceId	String	Device ID
channelId	String	Channel ID

Request device status data externally

This API is provided by a third-party system to query the current real-time status data of devices, and it is offered by either the third-party system or JointCloud. You can refer to the examples below to provide API documentation.

Interface Address

<https://api.example.com/QueryAdminAssetListByFAssetIDs>

A fixed URL for this interface can be negotiated between both parties.

Request Method

- Post

Request Headers

- Content-Type: application/json
- token: A334853698EF49DC98A1C8BA65149351 (A fixed token value can be negotiated between both parties)

Params	Authorization	Headers (11)	Body	Pre-request Script	Tests	Settings
☒	Accept					*/*
☒	Accept-Encoding					gzip, deflate, br
☒	Connection					keep-alive
☒	token					A334853698EF49DC98A1C8BA65149351

Request Parameters

Parameter Example

```
{
  "assetIds": "709221546546,791659866125"
}
```

Parameter Description

Field	Type	Description	Required
assetIds	string	Device numbers, with multiple ones separated by English commas	Y

Return Result

Result Example

```
{
  "code": 200,
  "message": "Operation succeeded",
  "data": [
    {
      "deviceId": "709221546546",
      "deviceType": 709,
      "battery": 60,
      "onlineStatus": 1,
      "gpsSignal": 24,
      "gsmSignal": 20,
      "lat": 22.126542,
      "lon": 113.254632,
      "gpsTime": "2025-04-25 06:20:59",
      "networkType": 1
    },
    {
      "deviceId": "791659866125",
      "deviceType": 701,
      "battery": 90,
      "onlineStatus": 1,
      "gpsSignal": 24,
      "gsmSignal": 20,
      "lat": 22.126542,
      "lon": 113.254632,
      "gpsTime": "2025-04-25 06:20:59",
      "networkType": 1
    }
  ]
}
```

Result Description

Field	Type	Description
code	int	Status code; see "Status Code Description" for details
message	String	Request status description
data	object	Return result content

Data Description

Field	Type	Description
deviceId	String	Device number
deviceType	Int	Device type (701: JT701, 709: JT709, 705: JT705C)
battery	Int	Battery level
onlineStatus	Int	Network status (0: Not connected; 1: Connected; -1: Unknown)
gpsSignal	Int	Satellite signal value
gsmSignal	Int	GSM signal value
lat	double	Latitude
lon	double	Longitude
gpsTime	String	Positioning time
networkType	String	Network type (2: 2G, 3: 3G, 4: 4G, 5: 5G; others are invalid)

Deployment Requirements for Intelligent Operation

I. Basic Environment Configuration

1. Operating System

- **Requirement:** Ubuntu 18.04 LTS or a newer version (Ubuntu 20.04 LTS / Ubuntu 22.04 LTS is recommended)
- **Description:** System initialization must be completed in advance (including disabling unnecessary default services, configuring a static IP, and opening required firewall ports).

II. Hardware Configuration Requirements

Hardware Component	Minimum Configuration	Recommended Configuration	Description
CPU	8 cores (frequency $\geq$ 2.0GHz)	12 cores (frequency $\geq$ 2.5GHz, with hyper-threading support)	Must meet the needs of system concurrent processing, streaming media transcoding, and multi-application operation. Intel Xeon E5/E7 series or equivalent AMD processors are recommended.
Memory	16GB DDR4	32GB DDR4 (with ECC support)	Ensures memory stability when multiple services (database, cache, application services, etc.) run simultaneously, avoiding frequent memory swapping.
Disk	500GB SSD	1TB SSD (with RAID 1/5 support)	SSDs are used to improve data read/write speeds. RAID configuration can enhance data security. At least 20% free space must be reserved for log storage, temporary files, and system expansion.
	Gigabit Ethernet	10-Gigabit Ethernet	Supports real-time streaming media transmission, device data synchronization, and remote

	Ethernet (wired)	Ethernet (wired)	management. It is recommended to configure dual network cards for load balancing or redundant backup.
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III. Dependent Services and Components Configuration

Dependent Item	Version Requirement	Configuration Description
JDK	JDK 13 (OpenJDK 13 is recommended)	Environment variables (<code>JAVA_HOME</code> , <code>PATH</code> , etc.) need to be configured to ensure the normal operation of the Intelligent Operation Management Station system. It is recommended to set JVM memory parameters (initial heap memory $\geq$ 2GB, maximum heap memory $\geq$ 8GB).
Nginx	Nginx 1.18.0 or newer	Used for reverse proxy of the Intelligent Operation Management Station application, static resource hosting, and streaming media request forwarding. Reasonable connection timeout, caching policies, and load balancing rules (if cluster deployment is required) need to be configured.
MySQL	MySQL 8.0 or newer	Stores core data such as system configurations, device data, and operation logs. It is recommended to configure: - Maximum connections $\geq$ 500 - Enable slow query logs (threshold $\leq$ 2 seconds) - Separate storage of data files and log files.
Redis	Redis 6.2 or newer	Used for caching real-time device status, session data, and temporary calculation results. It is recommended to configure: - Enable persistence (AOF + RDB hybrid mode) - Maximum memory limit $\geq$ 4GB - Configure password authentication and access permission control.

IV. Additional Requirements

1. Security:

- Enable the server firewall (such as UFW) and only open necessary ports (such as 80/443 for HTTP/HTTPS, 3306 for MySQL (intranet access only), 6379 for Redis (intranet access only), etc.).
- All service components (operating system, dependencies, applications) must be updated with security patches regularly to avoid vulnerability risks.

2. **Maintainability:**

- Configure remote management tools (such as SSH) and restrict access to only specified IPs.
- Formulate a data backup strategy: MySQL full backup + incremental backup daily, regular backup of Redis persistence files, and off-site storage of backup files.