NDI CORE & CORE MAX HTTP API Instructions

Welcome to Use Kiloview Product

The NDICORE HTTP API is a software development programming interface. The NDICORE HTTP API aims to achieve various functional controls of devices through a simple HTTP request/response mechanism. Software developers can use the NDICORE HTTP API to achieve the purpose of remote management and control of devices.

For each function of the API, there is a corresponding HTTP request path.

In the current version of the API, the format of this path is:

http://[:]/api/cube/v2/[module name]/[method].

This document will list the filename corresponding to each API function and its functional description. At the same time, in each API document, there will be a test interface. According to the description of the request parameters, you can fill in the request parameters you need to test in the test interface and execute the test. It is very convenient to verify the API function online.

The API requests follow the standard HTTP protocol. Developers can use any tool or software development library that complies with the HTTP standard to complete API calls (such as web browsers, JavaScript libraries, C/C++ HTTP protocol libraries, JAVA,.NET, etc.).

The submission of parameters may be POST or GET, or both, depending on the interface requirements of different APIs. For details, please refer to the API instructions. The response of the API is in JSON format. For the meaning of each parameter in the JSON object, please refer to the documentation instructions of each API.

We try our best to maintain the consistency of the product API interfaces, but it cannot be ruled out that due to product characteristic differences, the API interfaces of different products may have some differences. Therefore, please follow the official guidance and distinguish and handle these detailed differences.

Instructions for Calling Interfaces

The return format of all interfaces is uniformly:

Normal return

```
{
    "result": "ok",
    "msg": {} // "Data Type such as strings & numbers & arrays & dictionaries, etc.,
and this field may not exist."
}
```

Error return

```
{
    "result": "error",
    "error": {
        "code": "10002",
        "info": "Username does not exist"
    }
}
```

Module List

Module Name	Description
user	User management
system	System management
log	Log management
server	Service management
resource	Resource management
panel	Panel management
template	Template management
authorize	Authorization management
ws	WebSocket message

1. User Management

1.1 User Login

API URL

```
/api/cube/v2/user/login
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English

Parameter

Field	Value	Description
username	**[STRING], Required**	Username
password	**[STRING], Required**	Password

Note: The parameters username and password are in application/x-www-form-urlencoded format.

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/login' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'screen: false' \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -d 'grant_type=&username=chenq&password=Admin123&scope=&client_id=&client_secret='
```

Response

Example:

```
{
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic
  "token_type": "bearer",
  "first_login": false
}
```


Field	Value	Description
access_token	**[STRING]**	Token value
token_type	**[STRING]**	Token type is bearer
first_login	**[BOOL]**	Whether it is the first login

Note:

- The token is valid for 5 minutes by default. A new token needs to be obtained before it expires.

1.2 User Logout

API URL

```
/api/cube/v2/user/logout
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/logout' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDEwOjQ2OjI0Ljg4OTI2NiIsImV4cCI6MTY5NjgxOTg4NH0.IEp
cJ50tBxrpYdyBQzP4rWWo4qKHLeHaZOjx7Wn7vss' \
  -d ''
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

1.3 Add User

Note: Adding a user requires administrator privileges.

API URL

```
/api/cube/v2/user/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
name	**[STRING]**, **Required**	Username.
alias	**[STRING]**, **Required**	Alias.
passwd	**[STRING]**, **Required**	Password.
system_m	**[BOOL]**, **Required**	Whether it is a system administrator. True: Yes. False: No.
panel_m_per	**[BOOL]**, **Required**	Whether there is panel operation permission. True: Yes. False: No.
resource_m_per	**[BOOL]**, **Required**	Whether there is resource management permission. True: Yes. False: No.
firmware_m_per	**[BOOL]**, **Required**	Whether there is firmware upgrade permission. True: Yes. False: No.

Note:

- If system_m=True, then panel_m_per, resource_m_per, and firmware_m_per are all True.
- If system_m=False, then panel_m_per, resource_m_per, and firmware_m_per are all False.

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjA1OjI1LjgzNzExNCIsImV4cCI6MTY5NjgyMTAyNX0.30i
WAfBwYmlTKoVKIVnO8lTvtHLHcb-frD2vv99ZL-I' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "user1",
    "alias": "user1",
    "passwd": "Admin123",
    "system_m": true,
    "panel_m_per": true,
    "resource_m_per": true,
    "firmware_m_per": true
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

1.4 Delete User

API URL

```
/api/cube/v2/user/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
user_id	**[INT], Required**	User ID.

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjA1OjI1LjgzNzExNCIsImV4cCI6MTY5NjgyMTAyNX0.30i
WAfBwYmlTKoVKIVnO8lTvtHLHcb-frD2vv99ZL-I' \
  -H 'Content-Type: application/json' \
  -d '{
  "user_id": 4
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

1.5 Modify User

API URL

```
/api/cube/v2/user/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
user_id	**[INT]**, **Required**	User ID.
alias	**[STRING]**, **Required**	Alias.
system_m	**[BOOL]**, **Required**	Whether it is a system administrator. True: Yes. False: No.
panel_m_per	**[BOOL]**, **Required**	Whether there is panel operation permission. True: Yes. False: No.
resource_m_per	**[BOOL]**, **Required**	Whether there is resource management permission. True: Yes. False: No.
firmware_m_per	**[BOOL]**, **Required**	Whether there is firmware upgrade permission. True: Yes. False: No.

Note:

- If system_m=True, then panel_m_per, resource_m_per, and firmware_m_per are all True.
- If system_m=False, then panel_m_per, resource_m_per, and firmware_m_per are all False.

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjE0OjAzLjE5NjM4NSIsImV4cCI6MTY5NjgyMTU0M30.-
hZYCq28oaVC1US0GRlIpZ-_PHFky-pzk67_asjQlkI' \
  -H 'Content-Type: application/json' \
  -d '{
  "user_id": 5,
  "alias": "user1",
  "system_m": true,
  "panel_m_per": true,
  "resource_m_per": true,
  "firmware_m_per": true
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

1.6 Modify User Password

API URL

```
/api/cube/v2/user/passwd/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
user_id	**[INT], Required**	User ID.
passwd	**[STRING], Required**	Password.

Example:

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/user/passwd/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjE0OjAzLjE5NjM4NSIsImV4cCI6MTY5NjgyMTU0M30.-
hZYCq28oaVC1US0GRlIpZ-_PHFky-pzk67_asjQlkI' \
  -H 'Content-Type: application/json' \
  -d '{
  "user_id": 5,
  "passwd": "Admin123"
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

1.7 Query User

API URL

```
/api/cube/v2/user/query
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
filter	**[STRING, NULL]**, **Optional**	Filter condition, default is null. [Optional].
user_name	**[STRING, NULL]**, **Optional**	User name, default is null. [Optional].

Note:

- When filter = NULL and user_name = NULL, query all users.
- When filter!= NULL and user_name = NULL, query users according to the condition.
- When filter = NULL and user_name!= NULL, query users according to user_name.

Example:

```
curl -X 'GET' \
  'http://192.168.40.111/api/cube/v2/user/query?user_name=user1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjE4OjU2Ljk3OTAyMCIsImV4cCI6MTY5NjgyMTgzNn0.BYv
2-XMYPx25Jk6RuRMsmt8lESpJSGC8GKOuaU7U0i0'
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "id": 5,
      "name": "user1",
      "alias": "user1",
      "role": 1,
      "panel_m_per": true,
      "resource_m_per": true,
      "firmware_m_per": true,
      "panel_per_list": [
        {
          "panel_id": 1,
          "view_per": true,
          "switch_per": false,
          "modify_per": false
        }
      ],
      "create_time": "2023-10-09T11:13:06.847033"
    }
  ]
}
```


Field	Value	Description
id	**[INT]**	User ID.
name	**[STRING]**	User name.
alias	**[STRING]**	User nickname.
role	**[INT]**	User role. 0: admin administrator, 1: administrator, 2: ordinary user.
panel_m_per	**[BOOL]**	Whether there is panel operation permission. True: Yes. False: No.
resource_m_per	**[BOOL]**	Whether there is resource management permission. True: Yes. False: No.
firmware_m_per	**[BOOL]**	Whether there is firmware upgrade permission. True: Yes. False: No.
panel_per_list	**[LIST]**	Panel permission list.
create_time	**[STRING]**	Creation time.

Details of panel_per_list:

Field	Value	Description
panel_id	**[INT]**	Panel ID.
view_per	**[BOOL]**	Whether there is view panel permission. True: Yes. False: No.
switch_per	**[BOOL]**	Whether there is switch panel permission. True: Yes. False: No.
modify_per	**[BOOL]**	Whether there is modify panel permission. True: Yes. False: No.

1.8 Get New Token

API URL

```
/api/cube/v2/user/token/get
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

Note:

- The token is valid for 5 minutes by default. A new token needs to be obtained before it expires.

Example:

```
curl -X 'GET' \
  'http://192.168.40.111/api/cube/v2/user/token/get' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDExOjM1OjE2LjM3MzUxOSIsImV4cCI6MTY5NjgyMjgxNn0.dPV
pxLobAprvtR4pSYBI1_AGWu3ldOvxr2WuUJXO7zU'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiw
    "token_type": "bearer"
  }
}
```

Field	Value	Description
access_token	**[STRING]**	Token value.
token_type	**[STRING]**	Token type is bearer.

1.9 Get Long-Term Valid Token

API URL

```
/api/cube/v2/user/token/permanent
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
username	**[STRING], Required**	Username.
password	**[STRING], Required**	User password.
minutes	**[INT, NULL], Optional**	Token validity period in minutes. Default is permanent. [Optional].

Example:

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/user/token/permanent' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Content-Type: application/json' \
  -d '{
  "username": "username",
  "password": "password"
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiw
    "token_type": "bearer"
  }
}
```

Field	Value	Description
access_token	[STRING]	Token value.
token_type	[STRING]	Token type is bearer.

2 System Management

2.1 Get System Information

Description: Mainly obtain information such as the server's CPU, memory, and network.

API URL

```
/api/cube/v2/system/info
```

Request

```
Method: GET
```

Header

Field	Value	Description

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.111/api/cube/v2/system/info' \
  -H 'accept: application/json'
```

Response

Example:

```
{
 "result": "ok",
 "msg": {
   "system_start_time": "2023-10-09T09:35:32.720201",
   "system_running_time": 7681.362058,
   "cpu_temp": {
     "c": 38,
     "f": 100
   },
   "cpu": 21,
   "cpu_record": [23, 22, 22, 22, 21, 21, 21, 21, 21, 21, 21, 21, 21, 22, 22, 21, 21, 21,
   "mem_record": [21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21,
   "mem": 21,
   "net_card": {
     "eth0": {
       "ip": "192.168.40.111",
       "bytes_sent": 171498,
       "bytes_recv": 32611131,
       "bytes_sent_total": 526743523,
       "bytes_recv_total": 87709316169,
       "is_up": true,
       "speed": 1000,
       "type": "Ethernet",
       "bytes_send_record": [185694, 175218, 171924, 176468, 176574, 171048, 178348, 1706
       "bytes_recv_record": [33962457, 33031270, 32358151, 33014352, 32824938, 32749709,
     },
     "enp1s0f0": {
       "ip": "",
       "bytes_sent": 0,
       "bytes_recv": 0,
       "bytes_sent_total": 0,
       "bytes_recv_total": 0,
       "is_up": false,
       "speed": 0,
       "type": "Fiber",
       "bytes_send_record": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
       "bytes_recv_record": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
     },
     "enp1s0f1": {
       "ip": "",
       "bytes_sent": 0,
       "bytes_recv": 0,
       "bytes_sent_total": 0,
       "bytes_recv_total": 0,
       "is_up": false,
       "speed": 0,
       "type": "Fiber",
       "bytes_send_record": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
```

```
        "bytes_recv_record": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
      }
    },
    "sys_recv_total_record": [33962457, 33031270, 32358151, 33014352, 32824938, 32749709,
    "sys_sent_total_record": [185694, 175218, 171924, 176468, 176574, 171048, 178348, 1706
    "input_src_num": 16,
    "output_num": 32,
    "abnormal_input_src_num": 4,
    "abnormal_output_num": 8
  }
}
```


Field	Value	Description
system_start_time	**[STRING]**	System start time
system_running_time	**[DOUBLE]**	System running time
cpu_temp	**[DICT]**	CPU temperature
cpu	**[INT, NULL]**	CPU utilization
mem	**[INT, NULL]**	Memory utilization
cpu_record	**[LIST[INT]]**	CPU utilization record (60s)
mem_record	**[LIST[INT]]**	Memory utilization record (60s)
net_card	**[DICT]**	Network card information
sys_recv_total_record	**[LIST[INT]]**	System total uplink traffic record (60s)
sys_sent_total_record	**[LIST[INT]]**	System total downlink traffic record (60s)
input_src_num	**[INT]**	Number of input sources
output_num	**[INT]**	Number of outputs
abnormal_input_src_num	**[INT]**	Number of abnormal input sources
abnormal_output_num	**[INT]**	Number of abnormal outputs

Details of cpu_temp:

Field	Value	Description
c	**[INT]**	Degrees Celsius
f	**[INT]**	Degrees Fahrenheit

Details of net_card:

Field	Value	Description
ip	**[STRING]**	IP address
bytes_recv	**[INT]**	Real-time uplink traffic
bytes_sent	**[INT]**	Real-time downlink traffic
bytes_recv_total	**[INT]**	Cumulative uplink traffic
bytes_sent_total	**[INT]**	Cumulative downlink traffic
is_up	**[BOOL]**	Whether the network interface is connected
speed	**[INT]**	Connection speed of the network interface, in Mbps
type	**[STRING]**	“Ethernet” or “Fiber”
bytes_recv_record	**[LIST[INT]]**	Uplink traffic record (60s)
bytes_send_record	**[LIST[INT]]**	Downlink traffic record (60s)

2.2 Get HTTP Port

API URL

```
/api/cube/v2/system/http/get
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.111/api/cube/v2/system/http/get' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDEzOjE5OjUwLjU0NjM0MCIsImV4cCI6MTY5NjgyOTA5MH0.eAK
iaGS9ohSte5LoYMPUYfqQSnGmz4edQ1x-JVsDEpQ'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "http_port": 80,
    "https_port": 443
  }
}
```

Field	Value	Description
http_port	**[INT]**	HTTP port.
https_port	**[INT]**	HTTPS port.

3 Log Management

3.1 Get Operation Log

API URL

```
/api/cube/v2/log/operate/record
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
page_index	**[INT]**, **Required**	Page index.
page_size	**[INT]**, **Required**	Page size.
filter	**[STRING, NULL]**, **Optional**	Filter condition, can be NULL. [Optional].

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/log/operate/record?
page_index=1&page_size=10&filter=admin' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE3OjMwOjE1LjY0NTI5NiIsImV4cCI6MTcyMTk4NjUxNX0.orc
OpCn1IW-kFkS5YD7w7ODXNmQQKmf__FmjiytKwvI'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "total_num": 8,
    "records": [
      {
        "name": "admin",
        "content_cn": "User login",
        "content_en": "User login",
        "result": true,
        "create_time": "2023-02-20T16:13:27.166071"
      },
      {
        "name": "admin",
        "content_cn": "User login",
        "content_en": "User login",
        "result": true,
        "create_time": "2023-02-20T16:04:33.551817"
      }
    ]
  }
}
```


Field	Value	Description
total_num	**[INR]**	Total number of operation records.
records	**[LIST]**	Record list.

Details of records:

Field	Value	Description
name	**[STRING]**	User name.
content_cn	**[STRING]**	Operation content: Chinese.
content_en	**[STRING]**	Operation content: English.
result	**[BOOL]**	Operation result. True: operation successful, False: operation failed.
create_time	**[STRING]**	Creation time.

3.2 Download Operation Log

API URL

```
/api/cube/v2/log/operate/download
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
filter	**[STRING, NULL]**, **Optional**	Filter condition, can be NULL. [Optional].

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/log/operate/download?filter=admin' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE3OjMwOjE1LjY0NTI5NiIsImV4cCI6MTcyMTk4NjUxNX0.orc
OpCn1IW-kFkS5YD7w7ODXNmQQKmf__FmjiytKwvI'
```

Response

Example:

```
LOG20231009.txt
```

3.3 Download Log File

API URL

```
/api/cube/v2/log/download
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/log/download' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE3OjM4OjAzLjk4ODc0NiIsImV4cCI6MTcyMTk4Njk4M30.u0W
E0V14Kv3zcl7Q96So95YJxYbPbY0Jr0N4Sr1x39Q'
```

Response

Example:

```
allcubexLog.tar.gz
```

4 Service Management

4.1 Restart Service

API URL

```
/api/cube/v2/server/reboot
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'POST' \
  'http://192.168.40.111/api/cube/v2/server/reboot' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImNoZW5xIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDEzOjUyOjQxLjM0NjY1MyIsImV4cCI6MTY5NjgzMTA2MX0.DpX
QHefWJp2FxWCFY9HoIo_245u1W6ZKTYDn0_EAH6s' \
  -d ''
```

Response

Example:

```
{
  "result": "ok",
  "msg": null
}
```

4.2 Query Version

API URL

```
/api/cube/v2/server/version
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.111/api/cube/v2/server/version' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NiwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDIzLTEwLTA5IDEzOjU5OjU4Ljk1NTkwMyIsImV4cCI6MTY5NjgzMTQ5OH0.K4D
W6FhCeHPKk0mCqd9VLkYM821yQLP0ln2siTjmDb4'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "sn": "0000000000000",
    "version": "1.10.0084"
  }
}
```

Field	Value	Description
sn	**[STRING]**	Serial number.
version	**[STRING]**	Version number.

5 Resource Management

5.1 Add Input Source

API URL

```
/api/cube/v2/resource/input/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
inputs	**[LIST]**, **Required**	Input source list.

Detailed description of inputs:

Field	Value	Description
name	**[STRING], Required**	Name.
alias	**[STRING], Required**	Alias.
c_name	**[STRING], Required**	Channel name.
g_name	**[STRING], Required**	Group name.
d_ip	**[STRING], Required**	Device IP.
d_port	**[INT], Required**	Device port.
url	**[STRING], Required**	Input URL.
dis_method	**[INT], Required**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING], Required**	Discovery group name.
dis_d_ip	**[STRING, NULL], Optional**	Discovered device IP. [Optional].
dis_s_ip	**[STRING, NULL], Optional**	Discovered server IP. [Optional].

Note:

- When dis_method = 0, dis_d_ip cannot be NULL.
- When dis_method = 2, dis_s_ip cannot be NULL.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImEiLCJzY3JlZW4iOmZhbHNlLCJjc
mVhdGVfdGltZSI6IjIwMjQtMDctMjYgMTc6NTA6MTIuNTUxNjU0IiwiZXhwIjoxNzIxOTg3NzEyfQ.hij8Suu5
V6eOGUn1nqy53_x5sPOEdCA9ehwIXmGm6eM' \
  -H 'Content-Type: application/json' \
  -d '{
  "inputs": [
    {
      "name": "inputsrc1",
      "alias": "inputsrc1",
      "c_name": "inputsrc1-channel",
      "g_name": "public",
      "d_ip": "192.168.35.126",
      "d_port": 5534,
      "url": "192.168.35.126:5534",
      "dis_method": 0,
      "dis_g_name": "*manual*",
      "dis_d_ip": "192.168.35.126",
      "dis_s_ip": null
    }
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.2 Delete Input Source

API URL

```
/api/cube/v2/resource/input/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
ids	**[LIST[INT]], Required**	Input ID list.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImEiLCJzY3JlZW4iOmZhbHNlLCJjc
mVhdGVfdGltZSI6IjIwMjQtMDctMjYgMTc6NTA6MTIuNTUxNjU0IiwiZXhwIjoxNzIxOTg3NzEyfQ.hij8Suu5
V6eOGUn1nqy53_x5sPOEdCA9ehwIXmGm6eM' \
  -H 'Content-Type: application/json' \
  -d '{
  "ids": [
    1,
    2,
    3
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.3 Modify Input Source

API URL

```
/api/cube/v2/resource/input/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Input ID.
alias	**[STRING]**, **Required**	Alias.
conn_type	**[INT]**, **Required**	Connection type. 0: unicast. 1: unicast and multicast. This version only supports unicast.

Note:

- In this version, conn_type = 0.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MiwibmFtZSI6ImEiLCJzY3JlZW4iOmZhbHNlLCJjc
mVhdGVfdGltZSI6IjIwMjQtMDctMjYgMTc6NTA6MTIuNTUxNjU0IiwiZXhwIjoxNzIxOTg3NzEyfQ.hij8Suu5
V6eOGUn1nqy53_x5sPOEdCA9ehwIXmGm6eM' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "alias": "alias",
  "conn_type": 0
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": “”
}
```

5.4 Query All Inputs

API URL

```
/api/cube/v2/resource/input/all
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/input/all' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ'
```

Response

Example:


```
{
  "result": "ok",
  "msg": [
    {
      "id": 1,
      "name": "CUBEX1 (dst-1211Output1)",
      "alias": "CUBEX1 (dst-1211Output1)",
      "c_name": "dst-1211Output1",
      "g_name": "public",
      "d_ip": "192.168.40.205",
      "d_port": 5961,
      "available": false,
      "label_id": null,
      "conn_type": 0,
      "dis_method": 1
    }
  ]
}
```

Field	Value	Description
id	**[INT]**	Input source ID.
name	**[STRING]**	Name.
alias	**[STRING]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
dis_method	**[INT]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
label_id	**[INT, NULL]**	Invalid field.
available	**[BOOL]**	True: available, false: unstable.
conn_type	**[INT]**	Connection type. 0: unicast. 1: unicast and multicast.

5.5 Add Manual Discovery

API URL

```
/api/cube/v2/resource/input/manual/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
manuals	**[LIST]**, **Required**	Manual discovery list.

Details of manuals:

Field	Value	Description
dis_g_name	**[STRING]**, **Required**	Discovery group name.
dis_d_ip	**[STRING]**, **Required**	Discovered device IP.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/manual/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ' \
  -H 'Content-Type: application/json' \
  -d '{
  "manuals": [
    {
      "dis_g_name": "public",
      "dis_d_ip": "192.168.35.19"
    }
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.6 Add Automatic Discovery

API URL

```
/api/cube/v2/resource/input/auto/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
dis_g_name	**[STRING]**, **Required**	Discovery group name.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/auto/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ' \
  -H 'Content-Type: application/json' \
  -d '{
  "dis_g_name": "test"
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.7 Add Discovery Server

API URL

```
/api/cube/v2/resource/input/server/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
dis_g_name	**[STRING], Required**	Discovery group name.
dis_s_ip	**[STRING], Required**	Discovered server IP.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/server/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ' \
  -H 'Content-Type: application/json' \
  -d '{
  "dis_g_name": "public",
  "dis_s_ip": "192.168.36.80"
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.8 Delete Input Source Discovery Method

API URL

```
/api/cube/v2/resource/input/discovery/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
dis_id	**[INT]**, **Required**	Discovery ID of input source.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/input/discovery/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ' \
  -H 'Content-Type: application/json' \
  -d '{
  "dis_id": 1
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.9 Query Discovery Methods (Manual Discovery, Automatic Discovery, Discovery Server)

Description: Query all discovery methods, including manual discovery, automatic discovery, and discovery server.

API URL

```
/api/cube/v2/resource/input/discovery/all
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/input/discovery/all' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI2IDE4OjI3OjI3LjU5MzU5MSIsImV4cCI6MTcyMTk4OTk0N30.EsO
ihNZ6dm_8iKfGpsdGNfm7cfEHPnc9Nn8ljWP2zdQ
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "manual": [
      {
        "id": 2,
        "dis_method": 0,
        "dis_g_name": "public",
        "dis_d_ip": "192.168.35.19",
        "dis_s_ip": ""
      }
    ],
    "auto_server": [
      {
        "id": 1,
        "dis_method": 1,
        "dis_g_name": "public",
        "dis_d_ip": "",
        "dis_s_ip": ""
      },
      {
        "id": 3,
        "dis_method": 1,
        "dis_g_name": "test",
        "dis_d_ip": null,
        "dis_s_ip": ""
      },
      {
        "id": 4,
        "dis_method": 2,
        "dis_g_name": "public",
        "dis_d_ip": null,
        "dis_s_ip": "192.168.36.80"
      }
    ]
  }
}
```


Field	Value	Description
manual	**[LIST]**	Manual discovery methods.
auto_server	**[LIST]**	Automatic discovery methods (automatic discovery through groups and through servers).

Details of manual and auto_server:

Field	Value	Description
id	**[INT]**	ID of input source discovery method.
dis_method	**[INT]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.

5.10 Manual Discovery of Input Sources

API URL

```
/api/cube/v2/resource/input/manual/discovery
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/input/manual/discovery' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjE2OjI5LjM0MTUzNiIsImV4cCI6MTcyMjIxNjA4OX0.9UB
qk5Ulqn3KGMezEUj7fQNUaWtyX8p9ntvynrS9Lx0'
```

Response

Example:


```
{
  "result": "ok",
  "msg": [
    {
      "name": "CUBEX1 (dst-ttttOutput3)",
      "alias": "CUBEX1 (dst-ttttOutput3)",
      "c_name": "dst-ttttOutput3",
      "g_name": "*manual*",
      "d_ip": "192.168.40.7",
      "d_port": 5970,
      "url": "192.168.40.7:5970",
      "available": true,
      "dis_method": 0,
      "dis_g_name": "public",
      "dis_d_ip": "192.168.40.7",
      "dis_s_ip": null
    },
    {
      "name": "CUBEX1 (dst-ttttOutput4)",
      "alias": "CUBEX1 (dst-ttttOutput4)",
      "c_name": "dst-ttttOutput4",
      "g_name": "*manual*",
      "d_ip": "192.168.40.7",
      "d_port": 5971,
      "url": "192.168.40.7:5971",
      "available": true,
      "dis_method": 0,
      "dis_g_name": "public",
      "dis_d_ip": "192.168.40.7",
      "dis_s_ip": null
    }
  ]
}
```

Field	Value	Description
name	**[STRING]**	Source name.
alias	**[STRING]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
url	**[STRING]**	Source URL.
available	**[BOOL]**	True: available, false: unstable.
dis_method	**[INT]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.

5.11 Automatic Discovery of Input Sources

API URL

```
/api/cube/v2/resource/input/auto/discovery
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
dis_g_name	**[STRING]**, **Required**	Discovery group name.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/input/auto/discovery?dis_g_name=public'
\
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U'
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "name": "DESKTOP-D6EGTFP (obs-ndi Preview Mix)",
      "alias": "DESKTOP-D6EGTFP (obs-ndi Preview Mix)",
      "c_name": "obs-ndi Preview Mix",
      "g_name": "public",
      "d_ip": "192.168.40.148",
      "d_port": 5962,
      "url": "192.168.40.148:5962",
      "available": true,
      "dis_method": 1,
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": null
    },
    {
      "name": "DESKTOP-D6EGTFP (obs-ndi Program Mix)",
      "alias": "DESKTOP-D6EGTFP (obs-ndi Program Mix)",
      "c_name": "obs-ndi Program Mix",
      "g_name": "public",
      "d_ip": "192.168.40.148",
      "d_port": 5961,
      "url": "192.168.40.148:5961",
      "available": true,
      "dis_method": 1,
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": null
    },
    {
      "name": "DESKTOP-VVO5O5H (VLC)",
      "alias": "DESKTOP-VVO5O5H (VLC)",
      "c_name": "VLC",
      "g_name": "public",
      "d_ip": "192.168.40.5",
      "d_port": 5961,
      "url": "192.168.40.5:5961",
      "available": true,
      "dis_method": 1,
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": null
    },
    {
      "name": "GCAOONG (VLC)",
      "alias": "GCAOONG (VLC)",
```

```
    "c_name": "VLC",
    "g_name": "public",
    "d_ip": "192.168.40.116",
    "d_port": 5961,
    "url": "192.168.40.116:5961",
    "available": true,
    "dis_method": 1,
    "dis_g_name": "public",
    "dis_d_ip": null,
    "dis_s_ip": null
  },
  {
    "name": "N60-123456751 (Chan1)",
    "alias": "N60-123456751 (Chan1)",
    "c_name": "Chan1",
    "g_name": "public",
    "d_ip": "192.168.40.38",
    "d_port": 5962,
    "url": "192.168.40.38:5962",
    "available": true,
    "dis_method": 1,
    "dis_g_name": "public",
    "dis_d_ip": null,
    "dis_s_ip": null
  },
  {
    "name": "N60-123456751 (FULL)",
    "alias": "N60-123456751 (FULL)",
    "c_name": "FULL",
    "g_name": "public",
    "d_ip": "192.168.40.38",
    "d_port": 5961,
    "url": "192.168.40.38:5961",
    "available": true,
    "dis_method": 1,
    "dis_g_name": "public",
    "dis_d_ip": null,
    "dis_s_ip": null
  },
  {
    "name": "NDICORE-MAX (dst-OnlyTest-Output1)",
    "alias": "NDICORE-MAX (dst-OnlyTest-Output1)",
    "c_name": "dst-OnlyTest-Output1",
    "g_name": "public",
    "d_ip": "192.168.40.19",
    "d_port": 5961,
    "url": "192.168.40.19:5961",
    "available": true,
    "dis_method": 1,
```

```
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": null
    }
  ]
}
```

Field	Value	Description
name	**[STRING]**	Source name.
alias	**[STRING]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
url	**[STRING]**	Source URL.
available	**[BOOL]**	True: available, false: unstable.
dis_method	**[INT]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.

5.12 Input Source Discovery by Discovery Server

API URL

```
/api/cube/v2/resource/input/server/discovery
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
dis_g_name	**[STRING]**, **Required**	Discovery group name.
dis_s_ip	**[STRING]**, **Required**	Discovered device IP.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/input/server/discovery?
dis_g_name=public&dis_s_ip=192.168.40.11' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U'
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "name": "CUBEX1 (dst-Output114444)",
      "alias": "CUBEX1 (dst-Output114444)",
      "c_name": "dst-Output114444",
      "g_name": "public",
      "d_ip": "192.168.40.7",
      "d_port": 5961,
      "url": "192.168.40.7:5961",
      "available": true,
      "dis_method": 2,
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": "192.168.40.7"
    },
    {
      "name": "CUBEX1 (dst-Output114445)",
      "alias": "CUBEX1 (dst-Output114445)",
      "c_name": "dst-Output114445",
      "g_name": "public",
      "d_ip": "192.168.40.7",
      "d_port": 5962,
      "url": "192.168.40.7:5962",
      "available": true,
      "dis_method": 2,
      "dis_g_name": "public",
      "dis_d_ip": null,
      "dis_s_ip": "192.168.40.7"
    }
  ]
}
```

Field	Value	Description
name	**[STRING]**	Source name.
alias	**[STRING]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
url	**[STRING]**	Source URL.
available	**[BOOL]**	True: available, false: unstable.
dis_method	**[INT]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.

5.13 Add Output

API URL

```
/api/cube/v2/resource/output/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
outputs	**[LIST]**, **Required**	Output list.

Detailed description of outputs:

Field	Value	Description
name	**[STRING]**, **Optional**	Name [optional].
alias	**[STRING]**, **Optional**	Alias [optional].
c_name	**[STRING]**, **Required**	Channel name.
g_name	**[STRING]**, **Required**	Group name.
router	**[BOOL]**, **Required**	Whether to route and distribute.
codec_k	**[INT]**, **Required**	0: maintain connection, 1: reset client connection.
dis_s_ip	**[STRING]**, **Required**	Discovered server IP.
smooth	**[INT]**, **Required**	Smoothness, in milliseconds.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/output/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U' \
  -H 'Content-Type: application/json' \
  -d '{
  "outputs": [
    {
      "c_name": "output2-channel",
      "g_name": "public",
      "router": false,
      "codec_k": 0,
      "dis_s_ip": "",
      "smooth":1000
    }
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.14 Delete Output

API URL

```
/api/cube/v2/resource/output/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
ids	**[LIST[INT]], Required**	Output ID list.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/output/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U' \
  -H 'Content-Type: application/json' \
  -d '{
  "ids": [
    1,
    2,
    3
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.15 Modify Output

API URL

```
/api/cube/v2/resource/output/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Output ID.
alias	**[STRING]**, **Required**	Alias.
codec_k	**[INT]**, **Required**	0: maintain connection, 1: reset client connection.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/output/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 3,
  "alias": "alias",
  "codec_k": 0
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.16 Query All Outputs

API URL

```
/api/cube/v2/resource/output/all
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/output/all' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDA5OjM5OjU2LjY5NDc0OCIsImV4cCI6MTcyMjIxNzQ5Nn0.mO3
Qeins4CaSasDMBaFTV2HK8pHS3QZr5CTtNg0jq5U'
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "id": 1,
      "name": "Output1",
      "alias": "Output1",
      "c_name": "Output1",
      "g_name": "public",
      "smooth": 0,
      "router": false,
      "dis_s_ip": "",
      "codec_k": 0,
      "label_id": 1,
      "link_num": 2,
      "enable": true,
      "conn_type": 0,
      "mult_add": null,
      "mult_mask": null,
      "ttl_time": null
    },
    {
      "id": 2,
      "name": "Output2",
      "alias": "Output2",
      "c_name": "Output2",
      "g_name": "public",
      "smooth": 0,
      "router": false,
      "dis_s_ip": "",
      "codec_k": 0,
      "label_id": 2,
      "link_num": 0,
      "enable": true,
      "conn_type": 0,
      "mult_add": null,
      "mult_mask": null,
      "ttl_time": null
    }
  ]
}
```

Field	Value	Description
id	**[INT]**	Output ID.
name	**[STRING]**	Output name.
alias	**[STRING]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
smooth	**[INT, NULL]**	Smoothness.
router	**[BOOL]**	Whether to route and distribute.
dis_s_ip	**[STRING]**	Discovered server IP.
codec_k	**[INT]**	0: maintain connection, 1: reset client connection.
link_num	**[INT]**	Number of output connections.
enable	**[BOOL]**	Whether the output is available.
conn_type	**[INT]**	Connection method. 0: unicast, 1: unicast and multicast.
mult_add	**[STRING, NULL]**	Multicast address.
mult_mask	**[STRING, NULL]**	Multicast mask.
ttl_time	**[INT, NULL]**	TTL time.

5.17 Add Rotation List

API URL

```
/api/cube/v2/resource/rotation-list/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
name	**[STRING], Required**	Name of the rotation list.
rotation_srcs	**[LIST], Required**	List of input sources.

Details of rotation_srcs:

Field	Value	Description
input_id	**[INT], Required**	Input source ID.
play_duration	**[INT], Required**	Play duration in seconds.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjE5OjE1LjYzMjIyOSIsImV4cCI6MTcyMjIxOTg1NX0.u6q
1l0wQbwDFowtrDSOXRBgiIeqGe-gdBD1Bf4-tS88' \
  -H 'Content-Type: application/json' \
  -d '{
  "name": "Rotation List 1",
  "rotation_srcs": [
    {
      "input_id": 1,
      "play_duration": 10
    },
    {
      "input_id": 2,
      "play_duration": 10
    }
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.18 Delete Rotation List

API URL

```
/api/cube/v2/resource/rotation-list/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Rotation list ID.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjE5OjE1LjYzMjIyOSIsImV4cCI6MTcyMjIxOTg1NX0.u6q
1l0wQbwDFowtrDSOXRBgiIeqGe-gdBD1Bf4-tS88' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.19 Modify Rotation List

Description: Modify the name and rotation sources of the rotation list.

API URL

```
/api/cube/v2/resource/rotation-list/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Rotation list ID.
name	**[STRING]**, **Required**	Name of the rotation list.
rotation_srcs	**[LIST]**, **Required**	List of input sources.

Details of rotation_srcs:

Field	Value	Description
id	**[INT, NULL]**, **Optional**	Rotation source ID [optional].
input_id	**[INT]**, **Required**	Input source ID.
play_duration	**[INT]**, **Required**	Play duration in seconds.

Note:

- For newly added rotation sources, the id is null.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjE5OjE1LjYzMjIyOSIsImV4cCI6MTcyMjIxOTg1NX0.u6q
1l0wQbwDFowtrDSOXRBgiIeqGe-gdBD1Bf4-tS88' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "Rotation List 1",
  "rotation_srcs": [
    {
      "input_id": 1,
      "play_duration": 10
    },
    {
      "id": 1,
      "input_id": 1,
      "play_duration": 10
    }
  ]
}'
```

Response

Example:

```
{
  "result": "ok",
  "msg": ""
}
```

5.20 Get Rotation List List

Description: Get all rotation list information.

API URL

```
/api/cube/v2/resource/rotation-list/all
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list/all' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjMyOjQwLjEwMDUwOCIsImV4cCI6MTcyMjIyMDY2MH0.rtv
4mp5PhpCOP2XFMUMHIAWSoYVEG_I4a2YH7equmYI'
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "id": 1,
      "name": "aaa",
      "src_num": 2,
      "play_duration": 20
    }
  ],
  "error": null
}
```

Field	Value	Description
id	**[INT]**	Rotation source ID.
name	**[STRING]**	Name of the rotation list.
src_num	**[INT]**	Number of input sources.
play_duration	**[INT]**	Play duration in seconds.

5.21 Get Rotation List

Description: Get specific rotation list information.

API URL

```
/api/cube/v2/resource/rotation-list
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Rotation list ID.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list?id=1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjMyOjQwLjEwMDUwOCIsImV4cCI6MTcyMjIyMDY2MH0.rtv
4mp5PhpCOP2XFMUMHIAWSoYVEG_I4a2YH7equmYI'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "id": 1,
    "name": "aaa",
    "rotation_srcs": [
      {
        "id": 1,
        "input_id": 1,
        "input_name": "CUBEX1 (dst-1211Output1)",
        "input_alias": "CUBEX1 (dst-1211Output1)",
        "input_c_name": "dst-1211Output1",
        "play_duration": 10
      },
      {
        "id": 2,
        "input_id": 2,
        "input_name": "CUBEX1 (dst-Output1)",
        "input_alias": "CUBEX1 (dst-Output1)",
        "input_c_name": "dst-Output1",
        "play_duration": 10
      }
    ]
  }
}
```

Field	Value	Description
id	**[INT]**	Rotation list ID.
name	**[STRING]**	Name of the rotation list.
rotation_srcs	**[LIST]**	List of input sources.

Details of rotation_srcs:

Field	Value	Description
id	**[INT]**	Rotation source ID.
input_id	**[INT]**	Input source ID.
input_name	**[STRING]**	Name of the input source.
input_alias	**[STRING]**	Alias of the input source.
input_c_name	**[STRING]**	Channel name of the input source.
play_duration	**[INT]**	Play duration in seconds.

5.22 Query Whether Rotation List is Used

API URL

```
/api/cube/v2/resource/rotation-list/status
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Rotation list ID.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/resource/rotation-list/status?id=1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjMyOjQwLjEwMDUwOCIsImV4cCI6MTcyMjIyMDY2MH0.rtv
4mp5PhpCOP2XFMUMHIAWSoYVEG_I4a2YH7equmYI'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "status": true
  }
}
```

Field	Value	Description
status	**[BOOL]**	Whether the rotation list is used.

6 Panel Management

6.1 Add Panel

API URL

```
/api/cube/v2/panel/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
name	**[STRING], Required**	Name.
icon	**[INT], Required**	Icon ID.
users	**[LIST], Required**	User information list.

Details of users:

Field	Value	Description
id	**[INT], Required**	User ID.
view_per	**[BOOL], Required**	View panel permission.
switch_per	**[BOOL], Required**	Switch panel permission.
modify_per	**[BOOL], Required**	Modify panel permission.

Note:

- users is for all current users.
- For administrative users: view_per=true, switch_per=true, modify_per=true.
- For ordinary users: view_per=false, switch_per=false, modify_per=false.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "name": "new panel name",
  "icon": 0,
  "users": [
    {
      "id": 1,
      "view_per": true,
      "switch_per": true,
      "modify_per": true
    }
  ]
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.2 Delete Panel

API URL

```
/api/cube/v2/panel/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
ids	**[LIST[INT]], Required**	Panel ID list.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "ids": [
    1,
    2,
    3
  ]
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.3 Modify Panel

API URL

```
/api/cube/v2/panel/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
name	**[STRING], Required**	Name.
users	**[LIST], Required**	User information list.

Details of users:

Field	Value	Description
id	**[INT], Required**	User ID.
view_per	**[BOOL], Required**	View panel permission.
switch_per	**[BOOL], Required**	Switch panel permission.
modify_per	**[BOOL], Required**	Modify panel permission.

Note:

- users is for all current users.
- For administrative users: view_per=true, switch_per=true, modify_per=true.
- For ordinary users: view_per=false, switch_per=false, modify_per=false.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "panel name",
  "users": [
    {
      "id": 1,
      "view_per": true,
      "switch_per": true,
      "modify_per": true
    }
  ]
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.4 Modify Panel Name

API URL

```
/api/cube/v2/panel/name
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
name	**[STRING], Required**	Name.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/name' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "panel name"
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.5 Modify Panel Icon

API URL

```
/api/cube/v2/panel/icon
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[STRING], Required**	Panel ID.
icon	**[INT], Required**	Icon ID.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/icon' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "icon": 0
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.6 Panel Enable Setting

API URL

```
/api/cube/v2/panel/enable
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
enable	**[BOOL], Required**	Panel enable.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/enable' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "enable": false
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.7 Query All Panels

API URL

```
/api/cube/v2/panel/all
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/panel/all' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s'
```

Response

Example:

```
{
    "result": "ok",
    "msg": {
        "num": 3,
        "panels": [
            {
                "id": 1,
                "name": "aaaa",
                "input_n": 2,
                "output_n": 5,
                "icon": 0,
                "enable": true
            },
            {
                "id": 2,
                "name": "bbbb",
                "input_n": 2,
                "output_n": 0,
                "icon": 0,
                "enable": true
            }
        ]
    }
}
```


Field	Value	Description
num	**[INT]**	Number of panels.
panels	**[LIST]**	Panel list.

Detailed description of panels:

Field	Value	Description
id	**[INT]**	Panel ID.
name	**[LIST]**	Panel name.
input_n	**[INT]**	Number of inputs in the panel.
output_n	**[INT]**	Number of outputs in the panel.
icon	**[INT]**	Panel icon ID.
enable	**[BOOL]**	Panel enable.

6.8 Modify Panel Permissions

API URL

```
/api/cube/v2/panel/permission/modify
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.
users	**[LIST]**, **Required**	User information list.

Details of users:

Field	Value	Description
id	**[INT]**, **Required**	User ID.
view_per	**[BOOL]**, **Required**	View panel permission.
switch_per	**[BOOL]**, **Required**	Switch panel permission.
modify_per	**[BOOL]**, **Required**	Modify panel permission.

Note:

- users is for all current users.
- For administrative users: view_per=true, switch_per=true, modify_per=true.
- For ordinary users: view_per=false, switch_per=false, modify_per=false.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/permission/modify' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEwOjM5OjQzLjEwNjg0MiIsImV4cCI6MTcyMjIyMTA4M30.MQu
dP_7ZGrk8Ef8ru9mM4O2Dn3vzrLsIiM4EcnPPq_s' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "users": [
    {
      "id": 1,
      "view_per": true,
      "switch_per": true,
      "modify_per": true
    }
  ]
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.9 Query Panel Permissions

API URL

```
/api/cube/v2/panel/permission
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/panel/permission?id=1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjE1OjA2LjA0NTcyMCIsImV4cCI6MTcyMjIyMzIwNn0.6ty
NBUylhXJJgZPMf49iIKtFRPWjwrhn8zaeoH71jtA
```

Response

Example:

```
{
  "result": "ok",
  "msg": [
    {
      "id": 1,
      "name": "admin",
      "alias": "admin",
      "role": 0,
      "view_per": true,
      "switch_per": true,
      "modify_per": true
    },
    {
      "id": 2,
      "name": "a",
      "alias": "a",
      "role": 2,
      "view_per": false,
      "switch_per": false,
      "modify_per": false
    }
  ]
}
```


Field	Value	Description
id	**[INT]**	User ID.
name	**[STRING]**	Name.
alias	**[STRING]**	Alias.
role	**[INT]**	User role. 0: admin administrator, 1: administrator, 2: ordinary user.
view_per	**[BOOL]**	View panel permission.
switch_per	**[BOOL]**	Switch panel permission.
modify_per	**[BOOL]**	Modify panel permission.

6.10 Query Panel Details

Description: Get the details of the current panel, including panel input, output, rotation list, panel, and other information.

API URL

```
/api/cube/v2/panel/detail
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/panel/detail?id=1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjE1OjA2LjA0NTcyMCIsImV4cCI6MTcyMjIyMzIwNn0.6ty
NBUylhXJJgZPMf49iIKtFRPWjwrhn8zaeoH71jtA'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "id": 1,
    "name": "aaaa",
    "audio_status": false,
    "other_inputs": [
      {
        "id": 2,
        "name": "CUBEX1 (dst-Output1)",
        "alias": "CUBEX1 (dst-Output1)",
        "c_name": "dst-Output1",
        "g_name": "public",
        "d_ip": "192.168.40.153",
        "d_port": 5961,
        "url": "192.168.40.153:5961",
        "available": false,
        "dis_method": 1,
        "dis_g_name": "public",
        "dis_d_ip": null,
        "dis_s_ip": null,
        "conn_type": 0,
        "label_id": null,
        "resolution": "1920x1080@50HZ",
        "v_b": 0,
        "a_b": 0
      }
    ],
    "panel_inputs": [
      {
        "id": 1,
        "name": "CUBEX1 (dst-1211Output1)",
        "alias": "CUBEX1 (dst-1211Output1)",
        "c_name": "dst-1211Output1",
        "g_name": "public",
        "d_ip": "192.168.40.205",
        "d_port": 5961,
        "url": "192.168.40.205:5961",
        "available": false,
        "dis_method": 1,
        "dis_g_name": "public",
        "dis_d_ip": null,
        "dis_s_ip": null,
        "conn_type": 0,
        "label_id": null,
        "resolution": "0x0@0HZ",
        "v_b": 0,
        "a_b": 0
```

```
    }
  ],
  "panel_outputs": [
    {
      "id": 1,
      "name": "Output1",
      "alias": "Output1",
      "c_name": "Output1",
      "g_name": "public",
      "smooth": 0,
      "router": false,
      "dis_s_ip": "",
      "conn_type": 0,
      "mult_add": null,
      "mult_mask": null,
      "ttl_time": null,
      "codec_k": 0,
      "lock": false,
      "collect": false,
      "input_id": 2,
      "r_id": null,
      "r_loop": null,
      "cri_id": null,
      "cri_index": null,
      "cr_progress": null,
      "label_id": 1,
      "link_num": 2,
      "resolution": "1920x1080@50HZ",
      "v_b": 0,
      "a_b": 0
    },
    {
      "id": 2,
      "name": "Output2",
      "alias": "Output2",
      "c_name": "Output2",
      "g_name": "public",
      "smooth": 0,
      "router": false,
      "dis_s_ip": "",
      "conn_type": 0,
      "mult_add": null,
      "mult_mask": null,
      "ttl_time": null,
      "codec_k": 0,
      "lock": false,
      "collect": false,
      "input_id": 1,
      "r_id": null,
```

```
        "r_loop": null,
        "cri_id": null,
        "cri_index": null,
        "cr_progress": null,
        "label_id": 2,
        "link_num": 0,
        "resolution": "0x0@0HZ",
        "v_b": 0,
        "a_b": 0
      }
    ],
    "panel_templates": [
      {
        "id": 1,
        "name": "default",
        "start": false
      },
      {
        "id": 3,
        "name": "1111",
        "start": true
      }
    ],
    "rotation_lists": [
      {
        "id": 1,
        "name": "aaa",
        "rotation_srcs": [
          {
            "id": 1,
            "input_id": 1,
            "input_name": "CUBEX1 (dst-1211Output1)",
            "input_alias": "CUBEX1 (dst-1211Output1)",
            "input_c_name": "dst-1211Output1",
            "play_duration": 10
          },
          {
            "id": 2,
            "input_id": 2,
            "input_name": "CUBEX1 (dst-Output1)",
            "input_alias": "CUBEX1 (dst-Output1)",
            "input_c_name": "dst-Output1",
            "play_duration": 10
          }
        ]
      }
    ],
    "cancel_num": 5
  },
```

```
  "error": null
}
```

Field	Value	Description
id	**[INT]**	Panel ID.
name	**[STRING]**	Panel name.
audio_status	**[BOOL]**	Audio column status. True: enabled, false: disabled.
other_inputs	**[LIST]**	Non-panel inputs.
panel_inputs	**[LIST]**	Panel inputs.
panel_outputs	**[LIST]**	Panel outputs.
panel_templates	**[LIST]**	Panel templates.
rotation_lists	**[LIST]**	Rotation lists.
cancel_num	**[INT]**	Number of cancellations.

Details of other_inputs:

Field	Value	Description
id	**[INT]**	Input source ID.
name	**[STRING]**	Name.
alias	**[STRING, NULL]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
url	**[STRING]**	Input source URL.
available	**[BOOL]**	True: available, false: unstable.
dis_method	**[INT, NULL]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING, NULL]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.
conn_type	**[INT]**	0: unicast, 1: unicast and multicast.
label_id	**[INT, NULL]**	Invalid field.
resolution	**[STRING]**	Resolution.
v_b	**[INT]**	Video bitrate.
a_b	**[INT]**	Audio bitrate.

Details of panel_inputs:

Field	Value	Description
id	**[INT]**	Input source ID.
name	**[STRING]**	Name.
alias	**[STRING, NULL]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
d_ip	**[STRING]**	Device IP.
d_port	**[INT]**	Device port.
url	**[STRING]**	Input source URL.
available	**[BOOL]**	True: available, false: unstable.
dis_method	**[INT, NULL]**	Discovery method (0: manual discovery, 1: automatic discovery, 2: server discovery).
dis_g_name	**[STRING, NULL]**	Discovery group name.
dis_d_ip	**[STRING, NULL]**	Discovered device IP.
dis_s_ip	**[STRING, NULL]**	Discovered server IP.
conn_type	**[INT]**	0: unicast, 1: unicast and multicast.
label_id	**[INT, NULL]**	Invalid field.
resolution	**[STRING]**	Resolution.
v_b	**[INT]**	Video bitrate.
a_b	**[INT]**	Audio bitrate.

Details of panel_outputs:

Field	Value	Description
id	**[INT]**	Output ID.
name	**[STRING, NULL]**	Name.
alias	**[STRING, NULL]**	Alias.
c_name	**[STRING]**	Channel name.
g_name	**[STRING]**	Group name.
smooth	**[INT]**	Smoothness in milliseconds (deprecated).
router	**[BOOL]**	Whether it is routed.
dis_s_ip	**[STRING]**	Discovered server IP.
conn_type	**[INT]**	0: unicast, 1: unicast and multicast.
mult_add	**[STRING, NULL]**	Multicast address.
mult_mask	**[STRING, NULL]**	Multicast mask.
ttl_time	**[INT, NULL]**	TTL time.
codec_k	**[INT]**	0: keep connection, 1: reset client connection.
lock	**[BOOL]**	Whether the output is locked.
collect	**[BOOL]**	Whether the output is collected.
input_id	**[INT, NULL]**	Input source ID.
r_id	**[INT, NULL]**	Rotation list ID.
r_loop	**[BOOL, NULL]**	Whether the rotation list is looped.
cri_id	**[INT, NULL]**	Input source ID currently playing in the rotation list.
cri_index	**[INT, NULL]**	Sequence number currently playing in the rotation list.
cr_progress	**[INT, NULL]**	Progress of the input source currently playing in the rotation list.
label_id	**[INT, NULL]**	Invalid field.

Field	Value	Description
link_num	**[INT]**	Number of output connections.
resolution	**[STRING]**	Resolution.
v_b	**[INT]**	Video bitrate.
a_b	**[INT]**	Audio bitrate.

Details of panel_templates:

Field	Value	Description
id	**[INT]**	Template ID.
name	**[STRING]**	Name.
start	**[BOOL]**	Whether it is started.

Details of rotation_lists:

Field	Value	Description
id	**[INT]**	Rotation list ID.
name	**[STRING]**	Name.
rotation_srcs	**[LIST]**	Input source list.

Details of rotation_lists rotation_srcs:

Field	Value	Description
id	**[INT]**	Rotation source ID.
input_id	**[INT]**	ID of the input source.
input_name	**[STRING, NULL]**	Name of the input source.
input_alias	**[STRING, NULL]**	Nickname of the input source.
input_c_name	**[STRING, NULL]**	Channel name of the input source.
play_duration	**[INT]**	Play duration of the input source in seconds.

6.11 Manage Panel Input Sources

Description: Add, remove, or modify panel input sources.

API URL

```
/api/cube/v2/panel/input/manage
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
inputs	**[LIST], Required**	Input source list.

Details of inputs:

Field	Value	Description
id	**[INT], Required**	Input source ID.
alias	**[STRING], Required**	Alias.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/input/manage' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "inputs": [
    {
      "id": 1,
      "alias": "alias"
    }
  ]
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.12 Manage Panel Outputs

Description: Add, remove, or modify panel outputs.

API URL

```
/api/cube/v2/panel/output/manage
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.
outputs	**[LIST]**, **Required**	Output list.

Details of outputs:

Field	Value	Description
id	**[INT]**, **Required**	Output ID.
name	**[STRING]**, **Required**	Name. Remains unchanged.
alias	**[STRING]**, **Required**	Alias.
codec_k	**[INT]**, **Required**	0: keep connection, 1: reset client connection.

Note:

- The name of the output (name) remains unchanged.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/output/manage' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "outputs": [
    {
      "id": 1,
      "name": "name",
      "alias": "alias",
      "codec_k": 0
    }
  ]
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.13 Set the Input Source of Output in Panel

Description: Set the connection between input and output in the panel.

API URL

```
/api/cube/v2/panel/output/input
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
output_id	**[INT], Required**	Output ID.
input_id	**[INT, NULL], Required**	Input source ID. When it is NULL, disconnect the output from the input source.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/output/input' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "output_id": 1,
  "input_id": 1
}'
```

Response

Example:

```
{
    "result": "ok",
    "msg": ""
}
```

6.14 Set the Rotation List of Output in Panel

Description: Set the rotation list playback and looping of the output in the panel.

API URL

```
/api/cube/v2/panel/output/rotation-list
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
output_id	**[INT], Required**	Output ID.
r_id	**[INT, NULL], Required**	Rotation list ID. When it is NULL, disconnect the output from the rotation source.
loop	**[BOOL, NULL], Required**	Whether the rotation list is looped.

Note:

- When starting the rotation list, r_id is not equal to null and loop is not equal to null.
- When stopping the rotation list, r_id is equal to null and loop is equal to null.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/output/rotation-list' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "output_id": 1,
  "r_id": 1,
  "loop": true
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.15 Set Full Selection of Inputs in Panel

Description: Set full selection or deselection of inputs in the panel. If the output has already enabled the rotation list, skip this output.

API URL

```
/api/cube/v2/panel/input/select
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
input_id	**[INT], Required**	Input source ID.
select	**[BOOL], Required**	Whether it is fully selected. True: fully selected, false: deselect.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/input/select' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "input_id": 1,
  "select": true
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.16 Set Locking of Output in Panel

Description: Set locking or unlocking of the output in the panel.

API URL

```
/api/cube/v2/panel/output/lock
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.
output_id	**[INT]**, **Required**	Output ID.
lock	**[BOOL]**, **Required**	Whether it is locked. True: locked, false: unlocked.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/output/lock' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "output_id": 1,
  "lock": true
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

6.17 Set Rotation List Loop of Output in Panel

API URL

```
/api/cube/v2/panel/output/rotation-list/loop
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.
output_id	**[INT]**, **Required**	Output ID.
r_id	**[INT]**, **Required**	Rotation list ID.
loop	**[BOOL]**, **Required**	Whether the rotation list is looped. True: looped, false: not looped.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/panel/output/rotation-list/loop' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "output_id": 1,
  "r_id": 1,
  "loop": true
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7 Template Management

7.1 Add Template

API URL

```
/api/cube/v2/template/add
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Panel ID.
name	**[STRING], Required**	Template name.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/add' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "temlate name"
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.2 Delete Template

API URL

```
/api/cube/v2/template/del
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Template ID.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/del' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.3 Modify Template Name

API URL

```
/api/cube/v2/template/name
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Template ID.
name	**[STRING], Required**	Template name.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/name' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDExOjIwOjI0LjM3NTcwMyIsImV4cCI6MTcyMjIyMzUyNH0.NkC
UpEMiIna8QIteQUmFT6ckBddTRlDwsPP1fG89kp8' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "template name"
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.4 Get Template

API URL

```
/api/cube/v2/template/query
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/template/query?id=1' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w'
```

Response

Example:

```
{
    "result": "ok",
    "msg": [
        {
            "id": 1,
            "name": "default",
            "start": false
        },
        {
            "id": 3,
            "name": "1111",
            "start": true
        }
    ]
}
```

Field	Value	Description
id	**[INT]**	Template ID.
name	**[STRING]**	Template name.
start	**[BOOL]**	Whether the template is started. True: started, false: not started.

7.5 Save Current Template

API URL

```
/api/cube/v2/template/save
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT], Required**	Template ID.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/save' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.6 Save Template As

API URL

```
/api/cube/v2/template/save-as
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Template ID.
name	**[STRING]**, **Required**	New template name.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/save-as' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "name": "new template name"
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.7 Switch Template

API URL

```
/api/cube/v2/template/switch
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
switch_id	**[INT]**, **Required**	Switch template ID.
save	**[BOOL]**, **Required**	Whether to save the current template. True: save, false: not save.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/switch' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1,
  "switch_id": 2,
  "save": true
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

7.8 Undo Operation

API URL

```
/api/cube/v2/template/cancel
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING]**, **Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING]**, **Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
id	**[INT]**, **Required**	Panel ID.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/template/cancel' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 1
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

8 Authorization Management

8.1 Get Authorization Information

API URL

```
/api/cube/v2/authorize/info
```

Request

```
Method: GET
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description

```
curl -X 'GET' \
  'http://192.168.40.114/api/cube/v2/authorize/info' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDEzOjQ0OjU2LjAyMzYzMyIsImV4cCI6MTcyMjIzMjE5Nn0.b4Q
PooAgxhCd-h8kGZnbZM_CmZIPvkFJysYkrlCYO0w'
```

Response

Example:

```
{
  "result": "ok",
  "msg": {
    "machine_code": "6A1B233A-03025207-00055105-52055553-05065157",
    "auth_status": false,
    "auth_code": "",
    "expiration_time": "2024-08-24T16:37:31.829707",
    "days": 27
  }
}
```

Field	Value	Description
machine_code	**[STRING]**	Machine code.
auth_status	**[BOOL]**	Authorization status.
auth_code	**[STRING]**	Authorization code.
expiration_time	**[STRING]**	Expiration time.
days	**[INT]**	Remaining days.

8.2 Update Authorization

API URL

```
/api/cube/v2/authorize/update
```

Request

```
Method: POST
```

Header

Field	Value	Description
language	**[STRING], Required**	Language type. "cn": Chinese, "en": English.
Authorization	**[STRING], Required**	Authorization. Format: Bearer + space + token.

Parameter

Field	Value	Description
auth_code	**[STRING], Required**	Authorization code.

```
curl -X 'POST' \
  'http://192.168.40.114/api/cube/v2/authorize/update' \
  -H 'accept: application/json' \
  -H 'language: cn' \
  -H 'Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjpmYWxzZ
SwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDE0OjAwOjQzLjgwNzUyNCIsImV4cCI6MTcyMjIzMzE0M30.VPQ
QLD4EYbyLkvFrQx1ZRNjVbvUrU7G1k44AttltZnY' \
  -H 'Content-Type: application/json' \
  -d '{
  "auth_code": "xxxx"
}'
```

Response

Example:

```
{
    "result":"ok",
    "msg":""
}
```

9 WebSocket Messages

9.1 Subscribe to WebSocket Messages

Parameter

Field	Value	Description
token	**[STRING], Required**	Token value.

```
ws://192.168.40.114/api_event/cube/ws/info?
token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwibmFtZSI6ImFkbWluIiwic2NyZWVuIjp
mYWxzZSwiY3JlYXRlX3RpbWUiOiIyMDI0LTA3LTI5IDE0OjA3OjAxLjYyNjQzOSIsImV4cCI6MTcyMjIzMzUyM
X0.5zPSju-blXmD7oyXIYzTY5KKJAW5E0dLPKArOfnzEx8
```