Y系列协议POST使用

1.获取验证码


```json
{
    "protocol": {
        "name": "YQ-COM2",
        "version": "1.0",
        "remotefunction": {
            "name": "getVerificationCode",
            "input": {
                "username": "guest"
            }
        }
    }
}
```

2.用户登录

```
Untitled Request

POST    ▼    http://192.168.89.101:80/

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ▼

1 ▾ {
2 ▾     "protocol": {
3           "name": "YQ-COM2",
4           "version": "1.0",
5 ▾         "remotefunction": {
6               "name": "userLogin",
7 ▾             "input": {
8                   "username": "guest",
9                   "verificationcode": "20200424135130798806",
10                  "password": "9f9d68c1624166cb5c599f48b479579b4be5b47e"
11              }
12          }
13      }
14 }

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▼

1 {
2     "remotefunction": {
3         "name": "userlogin",
4         "output": {
5             "sessionID": "3419283434f7bc5fed20c9ec53115d8a"
6         }
7     }
8 }
```

```
{
    "protocol": {
        "name": "YQ-COM2",
        "version": "1.0",
        "remotefunction": {
            "name": "userLogin",
            "input": {
                "username": "guest",
                "verificationcode": "20200511104932316794",
                "password": "ece10bbcd940ef4356e6d6f61cc6525c7924bab6"
            }
        }
    }
}35675e68f4b5af7b995d9205ad0fc43842f16450
```

3.开启文件上传【或者其它指令】

Untitled Request

POST ▾ | http://192.168.89.101:80/;stok=3419283434f7bc5fed20c9ec53115d8a

Params | Authorization | Headers (9) | **Body** ● | Pre-request Script | Tests | Settings

⬤ none ⬤ form-data ⬤ x-www-form-urlencoded ⬤ raw ⬤ binary ⬤ GraphQL JSON ▾

```json
{
    "protocol": {
        "name": "YQ-COM2",
        "version": "1.0",
        "remotefunction": {
            "name": "enableUploadDownload",
            "input": {
                "type": "upload",
                "flag": "on"
            }
        }
    }
}
```

Body | Cookies | Headers (5) | Test Results

Pretty | Raw | Preview | Visualize | JSON ▾

```json
{
    "remotefunction": {
        "name": "enableuploaddownload"
    }
}
```

```json
{
    "protocol": {
        "name": "YQ-COM2",
        "version": "1.0",
        "remotefunction": {
            "name": "enableUploadDownload",
            "input": {
                "type": "upload",
                "flag": "on"
            }
        }
    }
}
```

4.上传普通文件

Untitled Request

POST ▼ http://192.168.89.101:80/upload

Params   Authorization   Headers (9)   **Body** ●   Pre-request Script   Tests   Settings ●

○ none   ● form-data   ○ x-www-form-urlencoded   ○ raw   ○ binary   ○ GraphQL

KEY	VALUE	CONTENT TYPE
☑ _0cc175b9c0f1b6a831c399e269772661.png	a.png ✕	image/png
☐ Key	Value	Auto

Body   Cookies   Headers (5)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▼   ⇥

1   Upload OK

5.上传动态区文件

Untitled Request

POST ▼ http://192.168.89.101:80//dynamic/;stok=3419283434f7bc5fed20c9ec53115d8a

Params   Authorization   Headers (9)   **Body** ●   Pre-request Script   Tests   Settings
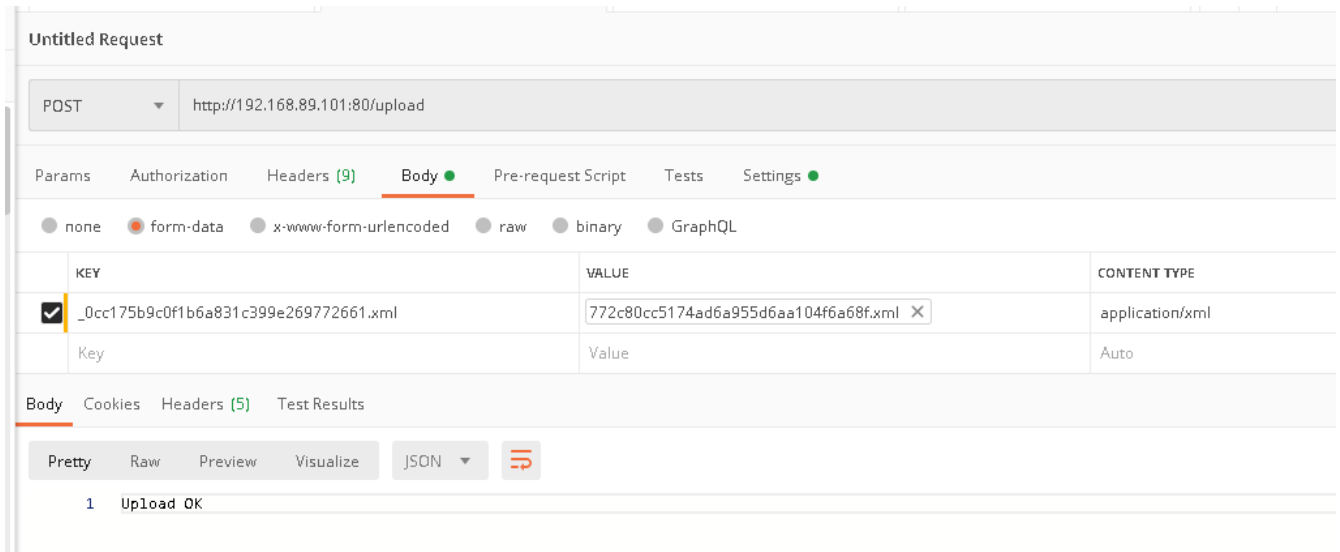
○ none   ● form-data   ○ x-www-form-urlencoded   ○ raw   ○ binary   ○ GraphQL

KEY	VALUE	CONTENT TYPE
☑ _8f14e45fceea167a5a36dedd4bea2543.bmp	7.bmp ✕	image/bmp
☑ command	{"protocol":{"name": "YQ-COM2","version": "1.0","remotefunction": {"name": "Upd ateDynamic","input": {"immediatelyPlay":"0","cover":"0","dynamics":[{"id":"0", "xCoord": "0","yCoord":"0","width":"128","height":"96","transparency":"100","r elativeProgram":"","runMode":"0","updateFrequency":"10","unit":[{"type":"Pict ure","order":"0","stuntType":"1","stuntSpeed":"1","stayTime":"5","c ontent":"40 9b24bb8fb7f03d76908852c9f105d0.bmp","gifFlag":"0"}, {"type":"Picture","order":" 1","stuntType":"1","stuntSpeed":"1","stayTime":"5","content":"0bb8 56e65ec7a08c c12a7d791c8be271.bmp","gifFlag":"0"}]}]}}}}	Auto
	Key	Auto

Response

6.上传节目xml

h(E@@CYdYP Ps--------------------------000e67ec163d143a Content-Disposition: form-data; name="221a01bf0d7d8c5abbcfc275c4368cb3_0_0.bmp"; filename="file0" Content-Type: application/octet-stream
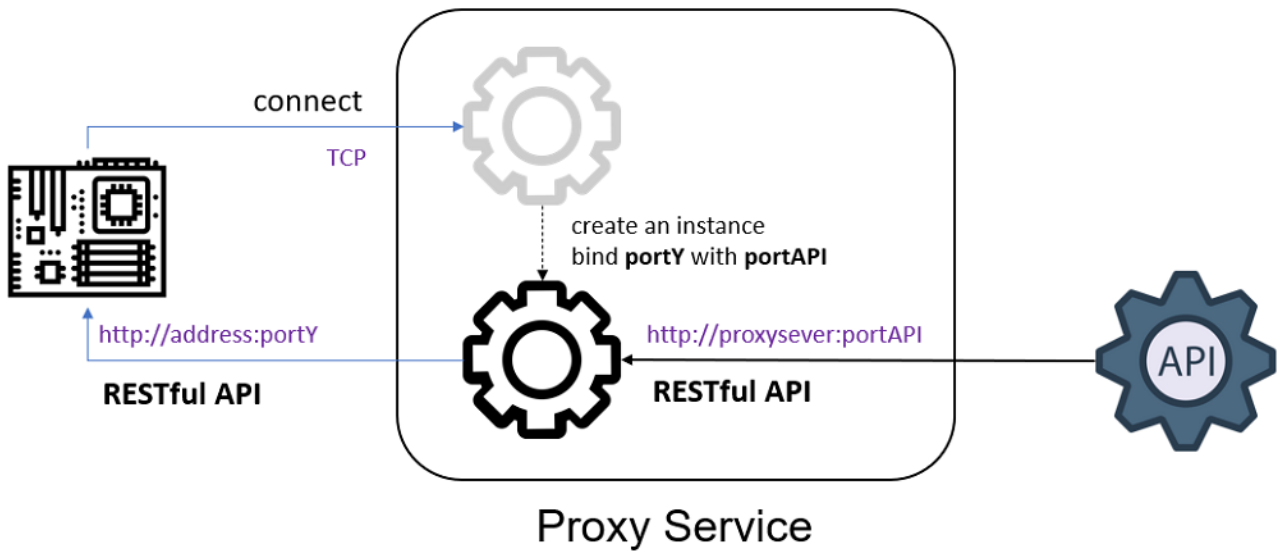
BM66(

h(E8@@YdYPZ P --------------------------000e67ec163d143a Content-Disposition: form-data; name="command" Content-Type: text/json

{"protocol":{"name":"YQ-COM2","version":"1.0","remotefunction":{"name":"UpdateDynamic","input":{"dynamics":[{"height":"32","id":"0","relativeProgram":"-1","runMode":"0","transparency":"255","updateFrequency":"","width":"32","xCoord":"0","yCoord":"0","unit":[{"content":"221a01bf0d7d8c5abbcfc275c4368cb3_0_0.bmp","gifFlag":"0","order":"0","stayTime":"1","stuntSpeed":"1","stuntType":"0","type":"0"}]}],"cover":"0","immediatelyPlay":"-1"}}}}

--------------------------000e67ec163d143a--

服务器原理

connect

TCP

http://address:portY

RESTful API

create an instance
bind **portY** with **portAPI**

http://proxysever:portAPI

RESTful API

API

Proxy Service

来了tcp连线后，代理给连入的地址bind到代理，然后分配一个对应的端口给这个连线

api通过接口获取这个端口通讯

只有设置给控制器的端口才需要做端口映射，代理分配的不用