

1、Login

Brief

The user logs in to obtain the subsequent access token

Request URL

✓ http://49.4.54.96:8899/api/auth/user/login

Request method

✓ post

Request Spec Example

```
{
  "username": "kenneth",
  "password": "e1cc7341c48e90be"
}
```

json byte introduction

Item	Choice	Type	Introduction
username	Yes	string	用户账号
password	Yes	string	密码

Response example

```
{
  "code": 200,
  "info": "响应成功",
  "data": {
    "baseinfo": {
      "userId": "2cb5d506-f06d-4907-8732-2f45b45046bf",
      "enCode": null,
      "account": "kenneth",
      "password": null,
      "secretkey": null,
      "realName": "kenneth",
      "nickName": null,
      "headIcon": null,
      "gender": null,
      "mobile": null,
      "telephone": null,
      "email": null,
      "oICQ": null,
      "weChat": null,
    }
  }
}
```

```

    "companyId": "462a9381-0e8d-4329-b045-be34245c49bd",
    "companyIds": [
      "462a9381-0e8d-4329-b045-be34245c49bd"
    ],
    "departmentId": null,
    "departmentIds": [],
    "openId": null,
    "roleIds": "bf76d10d-3bed-45b1-a304-6d67f03d7c70",
    "postIds": "",
    "isSystem": false,
    "appId": "SmartMeterV5_App",
    "logTime": "2022-09-26 10:33:19",
    "ipAddress": "117.160.241.21",
    "ipAddressName": " ",
    "browser": "Unknown 0.0",
    "loginMark": null,
    "token": "8c1b1828-159c-42ee-b1c5-5bb3a4c1555e",
    "imUrl": null,
    "TreeModelList": null,
    "PageRowCounts": 35,
    "ThirdExportCustomID": null
  },
  "token": "8c1b1828-159c-42ee-b1c5-5bb3a4c1555e"
}
}

```

Resonse spc. introduction

Item	Type	Introducti
code	string	Response code
info	string	Response information
data	object	Response data
baseinfo	object	User information
baseinfo.userId	string	N/A
baseinfo.enCode	string	N/A
baseinfo.account	string	N/A
baseinfo.password	object	N/A
baseinfo.secretkey	object	N/A
baseinfo.realName	string	N/A
baseinfo.nickName	object	N/A
baseinfo.headIcon	string	N/A
baseinfo.gender	string	N/A
baseinfo.mobile	string	N/A
baseinfo.telephone	string	N/A
baseinfo.email	string	N/A
baseinfo.oICQ	string	N/A

Item	Type	Introduction
baseinfo.weChat	string	N/A
baseinfo.companyId	string	N/A
baseinfo.companyIds	array	N/A
baseinfo.departmentId	string	N/A
baseinfo.departmentIds	array	N/A
baseinfo.openId	object	N/A
baseinfo.roleIds	string	N/A
baseinfo.postIds	string	N/A
baseinfo.isSystem	string	N/A
baseinfo.appld	string	N/A
baseinfo.logTime	string	N/A
baseinfo.iPAddress	string	N/A
baseinfo.iPAddressName	string	N/A
baseinfo.browser	string	N/A
baseinfo.loginMark	object	N/A
baseinfo.token	string	N/A
baseinfo.imUrl	object	N/A
baseinfo.TreeModelList	object	N/A
baseinfo.PageRowCounts	string	N/A
baseinfo.ThirdExportCustomID	object	N/A
token	string	Access code

2、Read the meter in batch

Brief

- ✓ Put-in the return token when login to Query spc.

Request URL

- ✓ `http://49.4.54.96:8899/api/data/ReadMeterDataList?token=42052d24-2902-4a80-8560-fdc20ca6c98e`

Request method

- ✓ post

Request Spec Example

```
{
  "MeterAddrList": "",

```

```

"ReadType": "1",
"PageSize": "20",
"PageIndex": "1"
}

```

json byte introduction

Item	Choice		Introduction
MeterAddrList	Yes	string	Meter ID, Blank means read all meter, seperated by commad for more than 1 meters ID
ReadType	Yes	string	Read meter (1 means current data)
BeginDate	No	string	Start time (not for current data)
EndDate	No	string	End time (not for current data)
PageSize	Yes	string	Data qty. for each page
PageIndex	Yes	string	current page

Response example

```

{
  "code": 200,
  "info": "响应成功",
  "data": {
    "totalData": 3,
    "pageIndex": 1,
    "pageSize": 20,
    "data": [
      {
        "collectoraddr": "19460",
        "meteraddr": "101908030261",
        "meternumber": 3543.9900,
        "freezedate": "",
        "readdate": "2022-09-26 10:20:49",
        "valvestatus": "Closed",
        "voltage": 3.65,
        "csq": null,
        "imei": null,
        "batteryvoltage": "正常",
        "attackstate": "正常"
      },
      {
        "collectoraddr": "19701",
        "meteraddr": "102209130002",
        "meternumber": 0.3500,
        "freezedate": "",
        "readdate": "2022-09-15 12:00:36",
        "valvestatus": "Opened",
        "voltage": 3.67,
        "csq": null,
        "imei": null,

```

```
    "batteryvoltage": "正常",
    "attackstate": "正常"
  },
  {
    "collectoraddr": "19701",
    "meteraddr": "102209130003",
    "meternumber": 0.3900,
    "freezedate": "",
    "readdate": "2022-09-15 12:00:29",
    "valvestatus": "Opened",
    "voltage": 3.66,
    "csq": null,
    "imei": null,
    "batteryvoltage": "正常",
    "attackstate": "正常"
  }
]
}
```

Response spc. introduction

Item	Type	Introduction
code	string	Response code
info	string	Response information
data	object	Response data
totalData	string	Data amount
pageIndex	string	current page
pageSize	string	Data amount in each page
data	array	Read data
data.collectoraddr	object	Collector ID
data.meteraddr	string	Meter address
data.meternumber	string	Current data
data.freezedate	string	Frozen date
data.readdate	string	Read time
data.valvestatus	string	Valve state
data.voltage	object	Voltage
data.csq	string	csq
data.imei	string	IMEI
data.batteryvoltage	string	Battery state
data.attackstate	string	Attack state

3、Query data

Brief

- Put-in the return token when login to Query spc.

Request URL

- <http://49.4.54.96:8899/api/data/ReadMeter?token=42052d24-2902-4a80-8560-fdc20ca6c98e>

Request method

- post

Request Spec Example

```
{
  "MeterAddr": "101908030261",
  "ReadType": "1"
}
```

json byte introduction

Item	Choice	Type	Introduction
MeterAddr	Yes	string	Meter ID
ReadType	Yes	string	Read meter (1 means current data)

Response example

```
{
  "code": 200,
  "info": "响应成功",
  "data": "[{"Result": "1", "Message": "成功",
  "Data": [{"MeterAddr": "101908030261", "MeterNumber": 3543.99, "ReadDate": "2022-09-26 10:36:32", "Voltage": "3.65", "ValveStatus": "关阀", "Status": "Valve state: 关 测量故障指示: 正常 通讯状态: 正常 剩余量: 充足 光干扰: 正常 Attack state: 正常"}]}]"
}
```

Resonse spc. introduction

Item	Type	Introducti
code	string	Response code
info	string	Response information
data	object	Response data
MeterAddr	string	Meter address
MeterNumber	string	Current data
FreezeDate	string	Frozen date
ReadDate	string	Read time
ValveStatus	string	Valve state
Voltage	object	Voltage

Item	Type	Introducti
CSQ	string	csq
IMEI	string	lmei
BatteryVoltage	string	Battery state
AttackState	string	Attack state

4、Valve control

Brief

- Put-in the return token when login to Query spc.

Request URL

- <http://49.4.54.96:8899/api/data/ValveControl?token=a50950d8-0403-4dd4-93a7-0a0f15298a50>

Request method

- post

Request Spec Example

```
{
  "MeterAddr": "101908030261",
  "ValveStatus": "1"
}
```

json byte introduction

Item	Choice	Type	Introduction
MeterAddr	Yes	string	Meter ID
ValveStatus	Yes	string	Valve state (1: 开阀, 2: 关阀)

Response example

```
{
  "code": 200,
  "info": "响应成功",
  "data": {
    "Result": 1,
    "Message": "成功",
    "Data": {
      "MeterAddr": "101908030261",
      "ValveStatus": "开阀"
    }
  }
}
```

```
}  
}
```

Resonse spc. introduction

Item	Type	Introduction
code	string	Response code
info	string	Response information
data	object	Response data
Result	string	Execution result status code (1 indicates success)
Msg	string	Execution result