

3. 状态码说明

状态码	中文描述
0	接口请求成功
1	接口响应失败

4. 接口地址

<https://things.ysiot.net:18080/api/>

5. 接口说明

5.1. 登陆获取 token

接口地址	v1/login
方法	POST
请求参数 json	{ "userName": "15263653262", "password": "password" }
响应	{ "Code": 0, >Data": { "userInfo": { "phone": "15263653262", "name": "Ikari", "avator": null, "id": "36d2c610-24dd-11ef-a050-191e0dcfdbb1" }, "Company": "", "Token": " "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxNTIzMzY1MzlMlSlnVzZXJJZCI6ImJmZWZkdjNjEwLTl0ZGQtMTFIZi1hMDUwLWTE5MWUwZGNmZGjiMSIsInNjb3Blcy16WyJkbnVUT01FUl9VUU0VSll0slNlc3Npb25JZCI6ImU3YjlzZTM1LTcyM2YtNDc1NC04YWw1SLWRjYyUxNDVkY2FYISlmi9wZW5JZCI6Im9kb0ZpNVdMamY1c3VnM1UwSnRyQTFuTfVJbTQiLCJpc3MiOiJSc2lvdCIsImhhbmhhdCI6MTc0NjgzNTY2MywiZXBhwJloxNzQ2ODQ0NjYzLCJmaXJzdE5hbWUiOiJja2FyaSlmVuuYwJsZWQlOnRydWUslmlzUHViVGltIjpmbWxzZSwidGVuYW50SWQlOiI4NWRLMjc4MC1mNGI5LTEExZWUtODNmMi0zM2FiN2UxMGJkMmEiLCJjdXN0b21lcikkljoiMTFmMmNIMTAwY0ZSOWxMWVmLWFlYTktZGY3ZGIwM2I3ZTkwlno0.q2IIvxeiH0lwR5oipWEvn_Mp9pM4A0ygfFP02CrQaqqnDx71vMe-3vWNukT61jhIX7wif8jttxyKkxyQuI7C_g", "Logo": ""

	<pre>"refreshToken": "eyJhbGciOiJIUzUxMiJ9.eyJzdWI6IiwiaXN0eXBvZmVudDpjbWwLTI0ZGQzMTEyMjY1MzE2MTA5OTk1MDUwLTlE5TMWUwZWGNm ZGJlMSIsInNjb3BlcyI6WyJRUzSRUVSVNRVNIHRSOVRllOSnNlc3Nb25JCi6ImU3YjlzTm1LTcyM2YtNDc1NC04YW1SLWRjYjUxNDVk YZFYSlsmlm9wZW5JCi6lm9kb0ZpNVdMamY1c3VnM1UwSnRyQTfuTFVjbTQlCjpc3MiOiJ5c2lvbGlslmlhdCI6MTc0NGgzNTY2My wiZXhwIjozNDQ3NDQwNDYzLCJpc1B1YmxpYyI6ZmFsc2UsImp0aSI6IjQ1ZWVkaW50ZSILTGltMGYtNDc1NS04MTVkLTRhODI1SWZlZyZ QxNSJ9.LeTAS1enXdPDbtto7zc5AyJVk8vjAf3VJRh3rcvR2UBjioB3cdHmk13d7baJBChLMavPEhDmvhX2gYseWNcn9Q" }, "Message": "LoginSuccess", "Success": true }</pre>
说明	token 有效期 2.5Hour,refreshToken 有效期 7Day

5.2. 获取设备实时数据（以电磁阀为例）

接口地址	v1/dev/value
方法	GET
请求参数 query	devCode=3000030003004789
备注	请求频率 10 秒内只能调用一次
响应	<pre>{ "Code": 0, "Data": [{ "FieldName": "imei", "DisplayName": "设备号", "DisplayType": "label", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [], "CondDev": "", "Value": "862858073621995" }, { "FieldName": "iccid", "DisplayName": "卡号",</pre>

```
"DisplayType": "label",
"IsDataSource": false,
"Unit": "",
"ValueMap": [],
"Children": [],
"CondDev": "",
"Value": "89860817152380100750"
},
{
  "FieldName": "BLVersion",
  "DisplayName": "BL 版本号",
  "DisplayType": "label",
  "IsDataSource": false,
  "Unit": "",
  "ValueMap": [],
  "Children": [],
  "CondDev": "",
  "Value": 10015
},
{
  "FieldName": "version",
  "DisplayName": "当前版本号",
  "DisplayType": "label",
  "IsDataSource": false,
  "Unit": "",
  "ValueMap": [],
  "Children": [],
  "CondDev": "",
  "Value": 10045
},
{
  "FieldName": "RemoteVersion",
  "DisplayName": "最新版本号",
  "DisplayType": "label",
  "IsDataSource": false,
  "Unit": "",
  "ValueMap": [],
  "Children": [],
```

	<pre> "CondDev": "", "Value": 0 }, { "FieldName": "UpgradeNow", "DisplayName": "更新固件", "DisplayType": "button", "IsDataSource": false, "Unit": "", "ValueMap": [{ "Value": "0", "DisplayValue": "检查更新" }, { "Value": "1", "DisplayValue": "立即更新" }], "Children": [], "CondDev": "", "Value": 0 }, { "FieldName": "Vbat", "DisplayName": "电池电压", "DisplayType": "label", "IsDataSource": true, "Unit": "v", "ValueMap": [], "Children": [], "CondDev": "", "Value": 4.18 }, { "FieldName": "VChar", "DisplayName": "充电电压", "DisplayType": "label", </pre>
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	<pre> "IsDataSource": true, "Unit": "v", "ValueMap": [], "Children": [], "CondDev": "", "Value": 0 }, { "FieldName": "LogPrintf", "DisplayName": "操作日志", "DisplayType": "label", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [], "CondDev": "", "Value": "channel:0,handler:ysiot18002001145,stamp:1720288448,button:1" }, { "FieldName": "ChannelParam00", "DisplayName": "阀门通道 1", "DisplayType": "struct", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [{ "FieldName": "Valve", "DisplayName": "阀门开关", "DisplayType": "button", "IsDataSource": false, "Unit": "", "ValueMap": [{ "Value": "0", "DisplayValue": "停止" }], { </pre>
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	<pre>"Value": "1", "DisplayValue": "打开" }, { "Value": "2", "DisplayValue": "关闭" }], "Children": [], "CondDev": "", "Value": 0 }, { "FieldName": "ValveStatus", "DisplayName": "阀门状态", "DisplayType": "label", "IsDataSource": false, "Unit": "", "ValueMap": [{ "Value": "0", "DisplayValue": "停止" }, { "Value": "1", "DisplayValue": "正在打开" }, { "Value": "2", "DisplayValue": "正在关闭" }, { "Value": "17", "DisplayValue": "等待打开" }, { "Value": "18", "DisplayValue": "等待关闭"</pre>
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    }

    ],

    "Children": [],

    "CondDev": "",

    "Value": 0

  }

],

"CondDev": "",

"Value": ""

},

{

  "FieldName": "ChannelParam01",

  "DisplayName": "阀门通道 2",

  "DisplayType": "struct",

  "IsDataSource": false,

  "Unit": "",

  "ValueMap": [],

  "Children": [

    {

      "FieldName": "Valve",

      "DisplayName": "阀门开关",

      "DisplayType": "button",

      "IsDataSource": false,

      "Unit": "",

      "ValueMap": [

        {

          "Value": "0",

          "DisplayValue": "停止"

        },

        {

          "Value": "1",

          "DisplayValue": "打开"

        },

        {

          "Value": "2",

          "DisplayValue": "关闭"

        }

      ]

    },

  ],


```



```
"Children": [],  
"CondDev": "",  
"Value": 0  
},  
{  
  "FieldName": "ValveStatus",  
  "DisplayName": "阀门状态",  
  "DisplayType": "label",  
  "IsDataSource": false,  
  "Unit": "",  
  "ValueMap": [  
    {  
      "Value": "0",  
      "DisplayValue": "停止"  
    },  
    {  
      "Value": "1",  
      "DisplayValue": "正在打开"  
    },  
    {  
      "Value": "2",  
      "DisplayValue": "正在关闭"  
    },  
    {  
      "Value": "17",  
      "DisplayValue": "等待打开"  
    },  
    {  
      "Value": "18",  
      "DisplayValue": "等待关闭"  
    }  
  ],  
  "Children": [],  
  "CondDev": "",  
  "Value": 0  
}  
],  
"CondDev": "",
```

	<pre>"Value": "" }, { "FieldName": "Timer00", "DisplayName": "定时策略 01", "DisplayType": "struct", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [{ "FieldName": "Enable", "DisplayName": "使能状态", "DisplayType": "button", "IsDataSource": false, "Unit": "", "ValueMap": [{ "Value": "0", "DisplayValue": "禁用" }, { "Value": "1", "DisplayValue": "启用" }], "Children": [], "CondDev": "", "Value": 0 }, { "FieldName": "Channel", "DisplayName": "控制通道", "DisplayType": "button", "IsDataSource": false, "Unit": "", "ValueMap": [{</pre>
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	<pre> "Value": "0", "DisplayValue": "通道 1" }, { "Value": "1", "DisplayValue": "通道 2" }], "Children": [], "CondDev": "", "Value": 0 }, { "FieldName": "TimeStart", "DisplayName": "打开时间", "DisplayType": "time", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [], "CondDev": "", "Value": 0 }], "CondDev": "", "Value": "" }, { "FieldName": "SensorAll", "DisplayName": "传感器列表", "DisplayType": "struct", "IsDataSource": false, "Unit": "", "ValueMap": [], "Children": [{ "FieldName": "STemp", "DisplayName": "土壤温度", </pre>
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	<pre> "DisplayType": "label", "IsDataSource": true, "Unit": "°C", "ValueMap": [], "Children": [], "CondDev": "", "Value": 24.5 }], "CondDev": "", "Value": "" }], "Message": "Success", "Success": true } </pre>
响应数据 Data 集合主 要数据说明	FieldName: 属性字段值 DisplayName: 属性名 DisplayType: 属性操作类型: ◆ label: 只读标签（如温湿度）; ◆ button、tab、time: 可写标签, tab、time 类型的可直接修改, button 类型都修改值参考当前属性下的 ValueMap ◆ struct: 属性下存在子属性, 数据格式跟父属性一致 Unit: 单位 Value: 当前属性值

5.3. 设备控制（修改设备属性值）

接口地址	v1/dev/SetProperty
方法	POST
请求参数 Json	<pre> { "DevCode": "3000030003004789", // 设备号 "FieldName": "UpgradeNow", // 设备属性 FieldName, 如果操作改属性下的子属性, "FieldName": "父属性 FieldName:子属性 FieldName" (如操作阀门通道 1 下的阀门开关"FieldName": "ChannelParam00:Valve") } </pre>

	<pre>"Value": 1 //值类型必须与当前值类型一致 }</pre>
响应	<pre>{ "Code": 0, "Data": null, "Message": "操作成功", "Success": }</pre>
其他说明	接口响应成功只是下发指令成功，设备是否动作为异步操作，推荐使用 wss 监听设备实时数据。 1. 连接 wss 服务： <code>wss://things.ysiot.net:18080/api/ws</code> 2. 订阅设备 <pre>{ "cmds": [{ "type": "TIMESERIES", "entityType": "DEVICE", "entityId": DevId(设备 uuid) "scope": "LATEST_TELEMETRY", "cmdId": 1(从 1 开始，多个设备不能重复) },//...多个设备], "authCmd": { "cmdId": 0, "token": token } }</pre> 设备 uuid 不用走接口获取，登陆 http://dash.ysiot.net/admin 用小程序授权的手机号和密码登陆直接查询

智慧农业生产管理

统计信息

园区管理

地块管理

种植信息

种植管理

仓库管理

模型管理

物联网设备

设备信息

设备控制

LED配置

传感器配置

ICCID信息

摄像头配置

4G网关配置

消息通讯

设备查询

统计信息 x 关系维护 x 设备信息 x

首页 / 物联网设备 / 设备信息

设备信息

选择园区: 新园区

选择地块: 玻璃温室

设备ID	设备名称	设备编号
50a59f1-fff-11ee-99c1-99c8042881f8	室内环彩	ysiot00621100183
50af631-fff-11ee-99c1-99c8042881f8	土壤墒情	ysiot00621500183
5d8a671-fff-11ee-99c1-99c8042881f8	自动反冲洗过滤器	ysiot23001002473
ed510b1-fff-11ee-99c1-99c8042881f8	水肥一体机	ysiot14301002473
5536590-356b-11ef-9ebe-ad5e3f9ea455	ysiot18004005177	ysiot18004005177
0dd4540-b4bd-11ef-a448-e7a908182fa0	ysiot18036008934	ysiot18036008934
c2216f0-295b-11ef-8e0b-57bdfbe20d5b	ysiot00632003053	ysiot00632003053

3. 取消订阅

```
{
  "cmds": [
    {
      "type": "TIMESERIES",
      "entityType": "DEVICE",
      "entityId": DevId(设备 uuid),
      "scope": "LATEST_TELEMETRY",
      "cmdId": 0,
      "unsubscribe": true
    }
  ]
}
```

4. 页面关闭 必须调用 ws.close()

5.4. 获取设备经纬度

接口地址	/v1/dev/latAndLon?devCode=
方法	get

备注	访问限制每个用户每个设备 10 秒调用一次
响应	<pre>{ "Code": 0, "Data": { "lon": "118.85311667224659", "lat": "36.89522095808632" }, "Message": "success", "Success": true }</pre>
响应数据解析	