

通用型物联网平台接口文档

编写履历		
序号	时间	概要内容
1	2018/11/10	1. 核心信息的，增删查接口编写
2	2020/10/15	2. 完善部分接口

接口示例

备注：www.iot2yun.com 需改为私有部署的域名或者 IP 地址

接口调用地址以及参数说明	
url	http://www.iot2yun.com/service/user/login.json
method	POST
header	-
url 参数说明	-
body	<pre>{ name: "2222@qq.com", // 登录名 password: "123456" // 密码 }</pre>
return	<p>失败</p> <pre>{ data: null, statusMsg: "用户名或密码错误", status: 14 }</pre> <p>成功</p> <pre>{ "data": { "name": "admin", "type": 10, "status": 60, "email": "111111@qq.com", "sex": 0, "phone": "13000000000", "register_time": 1528639467000, "user_key": "426aad8a150a4d85a8fa7221085edca3", "id": 1, "data": { "type": "超级管理员", "status": "正常" } }, "status": 2 }</pre>

接口调用地址以及参数说明	
url	http://www.iot2yun.com/service/sensor/control/realtime/updaten.json
method	PUT
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre>{ id: 5, // 传感器id request_sdata: "1" // 请求控制数值 }</pre>
return	<p>失败</p> <pre>{ "data": null, "statusMsg": "设备已离线", // 失败中文 "status": 17 // 不等于 2 都是失败 }</pre> <p>成功</p> <pre>{ data: null, status: 2 // 成功 }</pre>
<p>接口返回数据结构</p> <p>对象格式</p> <pre>{ "data": { "name": "admin", // 普通字段数值 "data": { // 状态字段的数据字典中文 "type": "超级管理员", }, }, "status": 2 }</pre> <p>列表格式</p> <pre>{ "data": { "data": [{ "name": "便捷温控设备", "id": 2, // 场景 id }], "pageSize": 10, // 每页 10 条 "paged": 1, // 第一页 "totalPage": 1, // 总页数 "totalCount": 2 // 数据条总数 }, "status": 2 // 状态返回码 }</pre>	

1、用户信息

- 用户登录

接口调用地址以及参数说明	
url	http://www.iot2yun.com/service/user/login.json
method	POST
header	-
url 参数说明	-
body	<pre>{ name: "2222@qq.com", // 登录名 password: "123456" // 密码 }</pre>
return	<p>失败</p> <pre>{ data: null, statusMsg: "用户名或密码错误", status: 14 }</pre> <p>成功</p> <pre>{ "data": { "name": "admin", // 用户名 "type": 10, // 用户类型 "status": 60, // 用户状态 "email": "2224313811@qq.com", "sex": 0, "phone": "13850994529", "register_time": 1528639467000, "user_key": "426aad8a150a4d85a8fa7221085edca3", "id": 1, "data": { "type": "超级管理员", "status": "正常" }, }, "status": 2 }</pre>

2、项目信息

- 项目信息查询

接口调用地址以及参数说明	
描述	项目信息列表查询
url	http://www.iot2yun.com/service/page/scene?paged=1
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	paged 页数, pageSize 页大小
body	<pre>{ name: "网关名称模糊查询" // 查询字段都可不填 }</pre>
return	<pre>{ "data": { "data": [{ "name": "便捷温控设备", "description": "室内温控", "seq": 1, "lat": 32.685271, "remark": "-", "lon": 119.409533, "mtime": 1539789085000, "atime": 1535878160000, "id": 2, // 场景 id "delete_flag": 0 }], "pageSize": 10, "paged": 1, "totalPage": 1, "totalCount": 2 }, "status": 2 }</pre>

- 项目信息增加

接口调用地址以及参数说明	
描述	项目信息添加
url	http://www.iot2yun.com/service/scene.json
method	POST

header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	<pre>{ name: "xxx 公司应用门禁", // 场景名称 lon: , 120.623179, // 经度 lat: 31.302612 , // 纬度 description: "xxxxx", // 描述 remark: "xxxxx", // 备注 seq: "1" // 排序 }</pre>
return	<pre>{ "data": null , "status": 2 }</pre>

- 项目信息修改

接口调用地址以及参数说明	
描述	项目信息修改
url	http://www.iot2yun.com/service/scene.json
method	PUT
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre>{ id: "314", name: "生产设备运行", seq: "0", lon: "117.733743", lat: "39.057879", province: "天津市", city: "天津市市辖区", province_code: "120000", city_code: "120100", description: "电机监控", remark: "电机温度振动检测" }</pre>
return	<pre>{ "data": null , "status": 2 }</pre>

- 项目信息删除

接口调用地址以及参数说明	
描述	项目信息删除
url	http://www.iot2yun.com/service/scene.json?id=2
method	DELETE
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	id 场景 id
body	
return	<pre>{ "data": null , "status": 2 }</pre>

- 查询单个项目信息

接口调用地址以及参数说明	
描述	查询单个信息
url	http://www.iot2yun.com/service/scene.json?id=2
method	GET
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	id 场景 id
body	
return	<pre>{ data: { remark: "电机温度振动检测", atime: 1608551759000, user_id: 286, name: "生产设备运行", delete_flag: 0, id: 314 }, status: 2 }</pre>

3、网关信息

- 网关信息列表查询

接口调用地址以及参数说明	
描述	网关信息列表查询
url	http://www.iot2yun.com/service/page/node?paged=1
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	paged 页数, pageSize 页大小
body	<pre>{ scene_id: "3" // 场景id }</pre>
return	<pre>{ "data": { "data": [{ "scene_name": "家庭环境参数监控", "name": "NET 网关", "seq": 1, "mtime": 1540279245000, "atime": 1536154440000, "device_code": "2020", "scene_id": 3, "iot_node_status": 16, // 网关状态 "id": 3, // 网关 id "data": { "iot_node_status": "在线" }, "visit_verify": true, "delete_flag": 0 }], "pageSize": 10, "paged": 1, "totalPage": 1, "totalCount": 1 }, "status": 2 }</pre>

- 增加网关信息

接口调用地址以及参数说明	
描述	增加网关信息
url	http://www.iot2yun.com/service/node.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	<pre>{ device_code: "SYWEF3wU7HVcKyF6CIO8WF5o", // 设备号 iot_node_status: "18", // 未连接 name: "GPRS", // 网关名称 scene_id: "3", // 场景 id seq: "1" // 排序 }</pre>
return	<pre>{ "data": null , "status": 2 }</pre>

- 删除网关信息

接口调用地址以及参数说明	
描述	删除网关信息
url	http://www.iot2yun.com/service/node.json?id=8
method	DELETE
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	
return	<pre>{ "data": null , "status": 2 // 成功 }</pre>

- 查询单个网关信息

接口调用地址以及参数说明	
描述	查询单个信息
url	http://www.iot2yun.com/service/node.json?id=2
method	GET
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3

url 参数说明	id 网关 id
body	
return	<pre> { "data": { "scene_name": "生产设备运行", "atime": 1608612841000, "device_code": "abc8001256398", "iot_node_status": 17, "scene_id": 314, "iot_node_type": 83, "iot_protocol_category": "ProtocalModbus", "infos": "[{"address":"01","fcode":"03","saddr":"10240","length":"2"}]", "mtime": 1608624085000, "frequency": 60, "seq": 1, "maintenance_time": 1609652070000, "name": "MG 除尘器风机", "delete_flag": 0, "data": { "iot_node_type": "TCP", "iot_node_status": "设备已离线" }, "id": 889 }, "status": 2 } </pre>

4、传感点信息

- 传感点列表信息

接口调用地址以及参数说明	
描述	查询传感器信息列表
url	http://www.iot2yun.com/service/page/sensor?paged=1
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	paged 页数, pageSize 页大小
body	<pre> { scene_id: "3", // 场景id } </pre>

	<pre> name: "温度" , // 传感器名称模糊查询 node_id:5, // 网关id id:1 // 传感器id } </pre>
return	<pre> { "data": { "data": [{ "triggerList": [], "node_name": "GPRS 网关", "name": "温度", "seq": 1, "mtime": 1540305986000, "atime": 1535878335000, "formula_down": "", "register_time": 1535878335000, "iot_sensor_status": 16, "iot_sensor_type": 25, "sdata": 23.4, // 传感器实数数据 "port_id": 0, "node_id": 2, "formula_up": "", "request_sdata": 23.4, "measure_unit_type": 21, "sensor_device_id": 0, "id": 4, "data": { "measure_unit_type": "° C", "iot_sensor_type": "连续型", "iot_sensor_status": "在线" }, "visit_verify": true, "delete_flag": 0 }], { "triggerList": [], "node_name": "GPRS 网关", "name": "控制", "seq": 2, "mtime": 1540292939000, "atime": 1535878358000, "formula_down": "", "register_time": 1535878358000, "iot_sensor_status": 17, "iot_sensor_type": 27, "sdata": 21.6, </pre>

	<pre> "port_id": 1, "node_id": 2, "formula_up": "", "request_sdata": 0.0, "measure_unit_type": 71, "sensor_device_id": 1, "id": 5, "data": { "measure_unit_type": null, "measure_unit_type_value": "1:打开,0:关闭", "iot_sensor_type": "开关型", "iot_sensor_status": "设备已离线" }, "visit_verify": true, "delete_flag": 0 }], "pageSize": 10, "paged": 1, "totalPage": 1, "totalCount": 2 }, "status": 2} </pre>
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● 增加传感点信息

接口调用地址以及参数说明	
描述	增加传感点信息
url	http://www.iot2yun.com/service/sensor.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	<pre> { name: "门禁 1", // 传感点名称 node_id: 9, // 网关 id sensor_device_id: 0, // 固定值 port_id: 0, // 固定值 iot_sensor_type: 71, // 传感器类型, 71 点动开关 measure_unit_type: 72 // 传感器单位, 72 点动开关的单位 seq: "1" // 排序 } </pre>
return	<pre> { "data": null , "status": 2 } </pre>

	}
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- 删除传感点信息

接口调用地址以及参数说明	
描述	删除传感点信息
url	http://www.iot2yun.com/service/sensor.json?id=20
method	DELETE
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	id 传感器 id
body	
return	{ "data": null , "status": 2 // 成功 }

- 传感点控制命令下发

接口调用地址以及参数说明	
描述	传感点控制命令下发
url	http://www.iot2yun.com/service/sensor/control/realtime/update.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	{ id: 23, // 传感器id request_sdata: "1" // 请求控制值, 1打开, 0 关闭 }
return	{ data: null, status: 2 // 成功 }

- 查询单个传感点信息

接口调用地址以及参数说明	
描述	查询单个信息

url	http://www.iot2yun.com/service/sensor.json?id=2
method	GET
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	id 网关 id
body	
return	<pre> { "data": { "triggerList": [], "historyDara": [], "node_name": "有人", "name": "温度", "iot_sensor_status": 18, "atime": 1608620951000, "register_time": 1608620951000, "measure_unit_type": 21, "iot_sensor_type": 25, "sensor_device_id": "1", "sdata": 0.0, "param_names": "", "sdata_degree": 1, "param_config": "", "formula_up": "", "store_strage": 271, "infos": "", "formula_down": "", "data_type": 0, "port_id": 1, "request_sdata": 0.0, "node_id": 1, "seq": 1, "mtime": 1608620951000, "id": 1, "data": { "measure_unit_type": "° C", "store_strage": "变化储存", "iot_sensor_type": "数值类型", "iot_sensor_status": "未连接" }, "delete_flag": 0 }, "status": 2 } </pre>

5、实时数据信息

- 查询单个传感器实时数据

接口调用地址以及参数说明	
描述	传感点控制命令下发
url	http://www.iot2yun.com/service/sensor/realtime/data.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre>{ device_code: "ASNT0000001", // 设备号 sensor_device_id: "1" // 地址号 port_id: 1 // 寄存器号 }</pre>
return	<pre>{ "data": { "triggerList": [], "historyDara": [], "node_name": "有人", "name": "温度", "iot_sensor_status": 18, "atime": 1608620951000, "register_time": 1608620951000, "measure_unit_type": 21, "iot_sensor_type": 25, "sensor_device_id": "1", "sdata": 0.0, -- 实时数据 "param_names": "", "sdata_degree": 1, "param_config": "", "formula_up": "", "store_strage": 271, "infos": "", "formula_down": "", "data_type": 0, "port_id": 1, "request_sdata": 0.0, "node_id": 1, "seq": 1, "mtime": 1608620951000, "id": 1, } }</pre>

	<pre> "data": { "measure_unit_type": "° C", "store_strage": "变化储存", "iot_sensor_type": "数值类型", "iot_sensor_status": "未连接" }, "delete_flag": 0 }, "status": 2 } </pre>
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- 查询设备下所有传感器实时数据

接口调用地址以及参数说明	
描述	传感点控制命令下发
url	http://www.iot2yun.com/service/node/realtime/data.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre> { device_code: "ASNT000001", // 设备号 } </pre>
return	<pre> { "data": [{ "triggerList": [], "historyDara": [], "node_name": "有人", "name": "温度", "iot_sensor_status": 18, "atime": 1608620951000, "register_time": 1608620951000, "measure_unit_type": 21, "iot_sensor_type": 25, "sensor_device_id": "1", "sdata": 0.0, -- 实时数据 "param_names": "", "sdata_degree": 1, "param_config": "", "formula_up": "", "store_strage": 271, "infos": "", "formula_down": "", "data_type": 0, </pre>

	<pre> "port_id": 1, "request_sdata": 0.0, "node_id": 1, "seq": 1, "mtime": 1608620951000, "id": 1, "data": { "measure_unit_type": "° C", "store_strage": "变化储存", "iot_sensor_type": "数值类型", "iot_sensor_status": "未连接" }, "delete_flag": 0 }}, "status": 2 } </pre>
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- 传感点控制命令下发

接口调用地址以及参数说明	
描述	传感点控制命令下发
url	http://www.iot2yun.com/service/sensor/realtime/control.json
method	PUT
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre> { device_code: "ASNT000001", // 设备号 sensor_device_id: "1" // 地址号 port_id: 1 // 寄存器号 request_sdata: 1 // 下发值 } </pre>
return	<pre> { data: null, status: 2 // 成功 } </pre>

6、触发器信息

- 查询触发器列表信息

接口调用地址以及参数说明	
描述	查询触发器列表
url	http://www.iot2yun.com/service/page/trigger?paged=1
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	paged 页数, pageSize 页大小
body	<pre>{ scene_id: "3", // 场景id }</pre>
return	<pre>{ "data": { "paged": 1, "pageSize": 10, "totalCount": 1, "totalPage": 1, "data": [{ "from_sensor_name": "1#双鉴探测器", "node_id": 680, "atime": 1595057149000, "iot_trigger_status": 43, "aid": 286, "mid": 286, "from_sensor_id": 2373, "mtime": 1595068656000, "iot_trigger_condition_type": 29, "iot_trigger_action_type": "", "action_params": "{\"control_device\":\"\", \"control_device_status\":\"36\"}", "condition_params": "0", "iot_trigger_alarm_level": 39, "iot_trigger_alarm_flag": 36, "trigger_inteval_time": 10, "recovery": 36, "name": "双鉴探测", "delete_flag": 0, "data": { "iot_trigger_status": "正常", "iot_trigger_condition_type": "数值高于{X}", </pre>

	<pre> "iot_trigger_alarm_flag": "开启", "iot_trigger_alarm_level": "严重" }, "id": 540] }, "status": 2 } </pre>
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● 增加触发器信息

接口调用地址以及参数说明	
描述	增加触发器信息
url	http://www.iot2yun.com/service/trigger.json
method	POST
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	<pre> { id: "" name: "温度高触发" node_id: "1" from_sensor_id: "1" iot_trigger_condition_type: "29" condition_params: "10" iot_trigger_action_type: "" action_params: [{"control_device":"","control_device_status":"36","contactor":""}] iot_trigger_alarm_flag: "37" trigger_inteval_time: "0" iot_trigger_status: "43" iot_trigger_alarm_level: "39" recovery: "37" } </pre>
return	<pre> { "data": null , "status": 2 } </pre>

● 删除触发器信息

接口调用地址以及参数说明	
描述	删除触发器信息

url	http://www.iot2yun.com/service/trigger.json?id=1
method	DELETE
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	
body	
return	<pre>{ "data": null , "status": 2 // 成功 }</pre>

● 触发器信息修改

接口调用地址以及参数说明	
描述	触发器信息修改
url	http://www.iot2yun.com/service/trigger.json
method	PUT
header	USER-KEY: 426aad8a150a4d85a8fa7221085edca3
url 参数说明	-
body	<pre>{ id: "" name: "温度高触发" node_id: "1" from_sensor_id: "1" iot_trigger_condition_type: "29" condition_params: "10" iot_trigger_action_type: "" action_params: "{"control_device":"","control_device_status":"36","contactor":""}" iot_trigger_alarm_flag: "37" trigger_inteval_time: "0" iot_trigger_status: "43" iot_trigger_alarm_level: "39" recovery: "37" }</pre>
return	<pre>{ "data": null , "status": 2 }</pre>