1. 地点导入

（1）添加地点信息

|  |  |
| --- | --- |
| url | /positions |
| 请求类型 | Post |
| 请求 | {“location\_info”:[  {“id”:”地点信息主键，int”,  “loc\_id”:”地图上的标注序号，int”，  “add”:”地址，String”,  “loclng”:”经度，String”,  “loclat”:”纬度，String”,  “rad”:“半径，String”  },{“id”:”地点信息主键”,  “loc\_id”:”地图上的标注序号”，  “add”:”地址”,  “loclng”:”经度”,  “loclat”:”纬度”,  “rad”:“半径”  },...  ]  } |
| 响应 | 执行成功  {  "success": true,  "message": "创建成功",  "code": 201,  "result": null,  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "创建",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

（2）修改单个地点信息（在信息提交页面修改）

|  |  |
| --- | --- |
| url | /positions/{location\_id} |
| 请求类型 | Put |
| 请求 | { “location\_id”:”地点信息主键，int”,  “loc\_id”:”地图上的标注序号，int”，  “add”:”地址，String”,  “loclng”:”经度，String”,  “loclat”:”纬度，String”,  “rad”:“半径，String”  } |
| 响应 | 执行成功  {  "success": true,  "message": "修改地点信息成功",  "code": 200,  "result": null,  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "修改失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

2、设备参数

（1）获取单个设备参数信息

|  |  |
| --- | --- |
| url | /device-info/{device\_id} |
| 请求类型 | Get |
| 请求 | { “device\_id”：1  } |
| 响应 | 执行成功  {  "success": true,  "message": "操作成功",  "code": 200,  "result": {  “frequency”:”工作频段，String”,  “power”:”发射功率，String”,  “bandwidth”:”带宽，String”,  “distance”:”传输距离，String”,  “weight”:”设备重量，String”,  “temperature”:”工作温度范围，String”,  “humidity”:”工作湿度范围，String”,  “protectionLevel”:”防护等级，String”,  },  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "操作失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

3、无地图拓扑

（1）获取无地图的拓扑信息

|  |  |
| --- | --- |
| url | /nomap-topology/{event\_id} |
| 请求类型 | Get |
| 请求 | {  “event\_id”:”应急事件id，int”  } |
| 响应 | 执行成功  {  "success": true,  "message": "操作成功",  "code": 200,  "result": [{  “graph\_id”:”拓扑图id，int”,  "data":[//节点  {"name": "设备1","category": 0,"draggable": true},  {"name": "设备2","category": 0,"draggable": true},  {"name": "设备3","category": 0,"draggable": true},  {"name": "设备4","category": 0,"draggable": true},  {"name": "设备5","category": 0,"draggable": true},  {"name": "设备6","category": 0,"draggable": true},  {"name": "设备7","category": 0,"draggable": true}],  "links":[//连接  {"source": 0,"target": 1,"category": 1},  {"source": 0,"target": 2,"category": 1},  {"source": 1,"target": 2,"category": 1},  {"source": 1,"target": 3,"category": 1},  {"source": 2,"target": 3,"category": 1},  {"source": 3,"target": 4,"category": 1},  {"source": 4,"target": 5,"category": 1},  {"source": 4,"target": 6,"category": 1},  {"source": 5,"target": 6,"category": 1}    },{..},..  ],  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "获取失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

4、有地图拓扑信息

（1）修改地图上的拓扑信息

|  |  |
| --- | --- |
| url | /topology/{event\_id} |
| 请求类型 | Put |
| 请求 | {“event\_id”:”应急事件id，int”，  “graphs”:[  {  “graph\_id”:”拓扑图id，int”，  “node”：[  {“node\_id”:”结点标号,int”,  “graph\_id”:”所属拓扑图,int”,  “device\_id”:”结点对应的设备ID ,int”,  “longtitude”:”经度，String”,  “latitude”:”纬度，String”,},  {},...],//node  “edge”:[  {“edge\_id”:“链路标号，int”，  “graph\_id”:”所属拓扑图，int”,  “node\_up”:”上行节点设备，int”,  “node\_down”:”下行节点设备，int”,  “protocol”:”链路类型，String”},  {},..]//edge  },{},...  ]//graphs  } |
| 响应 | 执行成功  {  "success": true,  "message": "操作成功",  "code": 200,  "result": null,  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "操作失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

5、设备运行信息

（1）获取设备运行状态信息

|  |  |
| --- | --- |
| url | /device-status/{device\_id} |
| 请求类型 | Get |
| 请求 | {“device\_id”:[1,2,3],  } |
| 响应 | 执行成功  {  "success": true,  "message": "获取成功",  "code": 200,  "result": [  {“device\_id”:”设备id，int”  “power”:“电量，String”  “download\_speed”:“下载速度，String”  “upload\_speed”:“上传速度，String”  “temperature”:“温度，String”  “humidity”:“湿度，String”  “access\_users”:“接入用户数，int”}，  {}，{}..  ],  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "获取失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

1. 获取实际部署设备上载速率

|  |  |
| --- | --- |
| url | /device-status/upload-speed/{device\_id} |
| 请求类型 | Get |
| 请求 | {“device\_id”:[1,2,3,4,5,6],  } |
| 响应 | 执行成功  {  "success": true,  "message": "获取成功",  "code": 200,  "result": [5, 20, 36, 10, 10, 20],  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "获取失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |

1. 获取实际部署设备下载速率

|  |  |
| --- | --- |
| url | /device-status/download-speed/{device\_id} |
| 请求类型 | Get |
| 请求 | {“device\_id”:[1,2,3,4,5,6],  } |
| 响应 | 执行成功  {  "success": true,  "message": "获取成功",  "code": 200,  "result": [5, 20, 36, 10, 10, 20],  "timestamp": 1597197367002  }  执行失败  {  "success": false,  "message": "获取失败",  "code": 404,  "result": null,  "timestamp": 1589984867389  } |