# AIOT-梯度接口文档

## 一、系统模块

### 1.登陆模块

#### 1.1 验证码接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 获取登陆时的验证码 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /images/captcha/{timestamp} | | | | | |
| 请求类型 | Get | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | | 数据类型 | | | 说明 | |
| 1 | | String | | | 当前时间戳 | |
| 2.响应参数 | | | | | | |
| 序号 | 名称 | | 数据类型 | 描述 | | 例子 |
| 1 | 验证码图片 | | Stream | 登陆界面显示的验证码的图片 | |  |
| 3.输入参数示例 | /images/captcha/2345 | | | | | |
| 4.正确响应实例 |  | | | | | |
| 5.错误响应实例 | 无 | | | | | |
| 6.错误代码设计 | | | | | | |
| 状态码 | | | | | 描述 | |
| 200 | | | | | 表示请求正常 | |
| 500 | | | | | 服务内部错误 | |

#### 1.2 登陆接口

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 登陆系统 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /login | | | | | | | |
| 请求类型 | Post | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | username | 用户名 | | body | | string | |  |
| 2 | password | 密码，需要进行RSA加密后传入 | | body | | string | |  |
| 3 | verifyCode | 验证码 | | body | | string | | 0879 |
| 4 | timestamp | 请求验证码的时间戳 | | body | | string | | 2345 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
|  |  | |  | |  | |  | |
| 3.输入参数示例 | | | | | | | | |
| 前端使用form-data表单上传   |  |  | | --- | --- | | key | value | | username | Td123 | | password | R9rGcrqsMf4tBrhkDAHOyAvYAsX89jsGE90f1SR28CI/aYfYVr++BbNF2xfuIRB7hv9UmNLiZ75l  l22LXgG2tquVUDQvWKojKZKodYchdrS8qrXpbY0Kc0HbOEGhpKbOpk/hxt97KyQKlukqYrnMzpMw  oDK8yGSwbW7lc2wy0UTiae63eO21WMEewpVL7bX7GC6RXI1wN8el9Ldk3WIIUAWNw/Jq6071U/sB  rSJzYF2LvqGjr8+k1eU7DbXZCMT4TruFuwKVR3/DWENMSwJhp7IP04k6uzazdL423q85rzcnv+Ls  yYYX/a3i2Vvan/Kl0tzRDSVTQT4xx1IokRhbJA== | | verifyCode | 2343 | | timestamp | 2345 | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 数据太长，请求查看 | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 验证码错误 | {  "code": "T0101",  "message": "验证码错误"  } | | 500 | RSA签名问题 | {  "code": "T0400",  "message": "用户密码签名错误"  } | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

### 2．用户管理

#### 2.2 查询所有用户Id

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有用户Id | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /user/ids | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | user:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| / | | / | | / | | / | | / |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | label | | string | | 对应的园区名字 | | 五号大院 | |
| 2 | value | | integer | | 对应园区的Id | | 2 | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/user/ids | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **[**  **{**  **"label": "mrbird",**  **"value": 1**  **},**  **{**  **"label": "scott",**  **"value": 2**  **},**  **{**  **"label": "jack",**  **"value": 12**  **},**  **{**  **"label": "Ivan",**  **"value": 13**  **},**  **{**  **"label": "YouGui",**  **"value": 14**  **}**  **]** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

## 二、定位模块

### 1. 园区管理

#### 1.1 添加园区

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加园区信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /parks | | | | | | | | |
| 请求类型 | Post | | | | | | | | |
| 相关权限 | park:add | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | parkId | 园区Id | | body | | integer | | 1 |
| 2 | parkName | 园区名字 | | body | | string | | 员村小区 |
| 3 | parkProvince | 园区所在省份 | | body | | string | | 广东省 |
| 4 | parkCity | 园区所在城市 | | body | | string | | 广州市 |
| 5 | parkAddress | 园区详细地址 | | body | | string | | xx省xx市xx街道 |
| 6 | parkInfo | 园区信息 | | body | | string | | 一些备注 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Post http://localhost:/ parks   |  |  | | --- | --- | | key | value | | florid | 1 | | floorName | 一楼 | | floorInfo | 员村五号大院101 | | buildId | 1 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加园区失败 | {  "message": " 添加园区失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不足 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 1.2 查询园区

##### 1.2.1 查询所有园区

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有园区信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | / parks | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | park:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3 | parkId | | 园区Id | | body | | integer | |
| 4 | parkName | | 园区名字 | | body | | string | |
| 5 | parkProvince | | 园区所在省份 | | body | | string | |
| 6 | parkCity | | 园区所在城市 | | body | | string | |
| 7 | parkAddress | | 园区详细地址 | | body | | string | |
| 8 | parkInfo | | 园区信息 | | body | | string | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/ parks?pageNum=1&pageSize=10 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 2,**  **"rows": [**  **{**  **"parkId": 1,**  **"parkName": "五号大院",**  **"parkProvince": "广东省",**  **"parkCity": "广州市",**  **"parkAddress": "广东省广州市员村四横路五号大院",**  **"parkInfo": "员村"**  **},**  **{**  **"parkId": 2,**  **"parkName": "员村小区",**  **"parkProvince": "广东省",**  **"parkCity": "广州市",**  **"parkAddress": "xx省xx市xx街道",**  **"parkInfo": "一些备注"**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 1.2.2 获取所有的园区id和对应的名字

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有的园区Id | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /parks/ids | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | park:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| / | | / | | / | | / | | / |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | label | | string | | 对应的园区名字 | | 五号大院 | |
| 2 | value | | integer | | 对应园区的Id | | 2 | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/ parks/ids | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **[**  **{**  **"label": "五号大院",**  **"value": 1**  **},**  **{**  **"label": "员村小区",**  **"value": 2**  **}**  **]** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 1.2.3 通过Id查询园区

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 通过Id查询园区 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | / parks/{parkId} | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | park:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | {parkId} | | int | | 1 | | 是 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | parkId | | 园区Id | | body | | integer | |
| 2 | parkName | | 园区名字 | | body | | string | |
| 3 | parkProvince | | 园区所在省份 | | body | | string | |
| 4 | parkCity | | 园区所在城市 | | body | | string | |
| 5 | parkAddress | | 园区详细地址 | | body | | string | |
| 6 | parkInfo | | 园区信息 | | body | | string | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/ parks | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"parkId": 2,**  **"parkName": "员村小区",**  **"parkProvince": "广东省",**  **"parkCity": "广州市",**  **"parkAddress": "xx省xx市xx街道",**  **"parkInfo": "一些备注"**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 1.3 修改园区信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 通过园区Id修改信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /parks | | | | | | | | |
| 请求类型 | Put | | | | | | | | |
| 相关权限 | park:update | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | parkId | 园区Id | | body | | integer | | 1 |
| 2 | parkName | 园区名字 | | body | | string | | 员村小区 |
| 3 | parkProvince | 园区所在省份 | | body | | string | | 广东省 |
| 4 | parkCity | 园区所在城市 | | body | | string | | 广州市 |
| 5 | parkAddress | 园区详细地址 | | body | | string | | xx省xx市xx街道 |
| 6 | parkInfo | 园区信息 | | body | | string | | 一些备注 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Put http://localhost:/ parks   |  |  | | --- | --- | | key | value | | florid | 1 | | floorName | 一楼 | | floorInfo | 员村五号大院101 | | buildId | 1 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加园区失败 | {  "message": " 修改园区失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不足 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 1.4 删除园区信息

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过楼层id删除楼层 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | / parks /{parkId} | | | |
| 请求类型 | Delete | | | |
| 相关权限 | park:delete | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | { parkId } | String | 园区Id | 1 |
| 2.请求示例 | | | | |
| Delete http://localhost/ parks/2 | | | | |
| 3.正确响应实例 | | | | |
| **200** | | | | |
| 4.错误响应实例 | | | | |
| {  “message”:” 删除园区失败”  } | | | | |
| 5.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 403 | | | 权限不足 | |
| 500 | | | 服务内部错误 | |

### 2. 建筑管理

#### 2.1 添加建筑

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加建筑信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /builds | | | | | | | | |
| 请求类型 | Post | | | | | | | | |
| 相关权限 | build:add | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | buildId | 建筑Id | | body | | integer | | 2 |
| 2 | buildName | 建筑名字 | | body | | string | | 梯度宿舍 |
| 3 | buildInfo | 建筑信息 | | body | | string | | 梯度工作室员工宿舍 |
| 4 | parkId | 建筑所属园区ID | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Post http://localhost:/ builds   |  |  | | --- | --- | | key | value | | buildId | 2 | | buildName | 梯度宿舍 | | buildInfo | 梯度工作室员工宿舍 | | buildId | 1 | | buildName | 2 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加建筑失败 | {  "message": " 添加建筑失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 2.2 查询建筑

##### 2.2.1 查询所有建筑

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有建筑信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /builds | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | build:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/builds?pageNum=1&pageSize=10 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 2,**  **"rows": [**  **{**  **"buildId": 1,**  **"buildName": "53号",**  **"buildInfo": "五号大院",**  **"parkId": 1**  **},**  **{**  **"buildId": 2,**  **"buildName": "测试",**  **"buildInfo": "测试",**  **"parkId": 1**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 2.2.2 通过园区Id查询建筑

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 通过园区Id查询建筑信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /builds/{parkId} | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | build:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/builds/1?pageNum=1&pageSize=10 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 2,**  **"rows": [**  **{**  **"buildId": 1,**  **"buildName": "53号",**  **"buildInfo": "五号大院",**  **"parkId": 1**  **},**  **{**  **"buildId": 2,**  **"buildName": "测试",**  **"buildInfo": "测试",**  **"parkId": 1**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 2.2.3 查询所有的建筑Id

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有的建筑Id | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /builds/ids | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | builds:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| / | | / | | / | | / | | / |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | label | | string | | 对应的园区名字 | | 五号大院 | |
| 2 | value | | integer | | 对应园区的Id | | 2 | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/ builds /ids | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **[**  **{**  **"label": "53号",**  **"value": 1**  **}**  **]** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 2.3 修改建筑信息

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改建筑信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /builds | | | | | | | |
| 请求类型 | Put | | | | | | | |
| 相关权限 | builds:update | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | buildId | 建筑Id | | body | | integer | | 2 |
| 2 | buildName | 建筑名字 | | body | | string | | 梯度宿舍 |
| 3 | buildInfo | 建筑信息 | | body | | string | | 梯度工作室员工宿舍 |
| 4 | parkId | 建筑所属园区ID | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 修改成功状态 | |  | |
| 3.请求实例 | | | | | | | | |
| Put http://localhost:/ builds   |  |  | | --- | --- | | key | value | | buildId | 2 | | buildName | 梯度宿舍 | | buildInfo | 梯度工作室员工宿舍 | | buildId | 1 | | buildName | 2 | | | | | | | | | |
| 5.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 6.错误响应实例 | | | | | | | | |
| {  "message": "修改建筑信息失败"  } | | | | | | | | |
| 7.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 2.4 删除建筑信息

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过建筑Id删除建筑 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /builds/{buildId} | | | |
| 请求类型 | Delete | | | |
| 相关权限 | build:delete | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | {buildId} | String | 建筑Id | 1 |
| 2.请求示例 | | | | |
| Delete http://localhost/builds/2 | | | | |
| 3.正确响应实例 | | | | |
| **200** | | | | |
| 4.错误响应实例 | | | | |
| {  “message”:” 删除建筑失败”  } | | | | |
| 5.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 500 | | | 服务内部错误 | |

### 3. 楼层管理

#### 3.1 添加楼层

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加楼层信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /floors | | | | | | | | |
| 请求类型 | Post | | | | | | | | |
| 相关权限 | floor:add | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | floorId | 楼层Id | | body | | integer | | 1 |
| 2 | floorName | 楼层名字 | | body | | string | | 一楼 |
| 3 | floorInfo | 楼层信息 | | body | | string | | 员村五号大院101 |
| 4 | buildId | 楼层所属建筑Id | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Post http://localhost:/ floors   |  |  | | --- | --- | | key | value | | florid | 1 | | floorName | 一楼 | | floorInfo | 员村五号大院101 | | buildId | 1 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加楼层失败 | {  "message": " 添加楼层失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 3.2 查询楼层

##### 3.2.1 查询所有楼层

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有建筑信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | / floors | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | floor:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/ floors?pageNum=1&pageSize=10 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 2,**  **"rows": [**  **{**  **"floorId": 1,**  **"floorName": "903",**  **"floorInfo": "53号楼",**  **"buildId": 1**  **},**  **{**  **"floorId": 2,**  **"floorName": "测试",**  **"floorInfo": "测试",**  **"buildId": 1**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 3.2.2 通过建筑Id查询楼层

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询一个建筑有多少楼层 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | / floors/{buildId} | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | floor:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 3 | | { buildId } | | int | | 楼层id | | 是 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/floor/1?pageNum=1&pageSize=10 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 2,**  **"rows": [**  **{**  **"floorId": 1,**  **"floorName": "903",**  **"floorInfo": "53号楼",**  **"buildId": 1**  **},**  **{**  **"floorId": 2,**  **"floorName": "测试",**  **"floorInfo": "测试",**  **"buildId": 1**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 3.2.3 查询所有的楼层Id

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有的楼层Id | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /floors/ids | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | floor:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| / | | / | | / | | / | | / |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | label | | string | | 对应的园区名字 | | 五号大院 | |
| 2 | value | | integer | | 对应园区的Id | | 2 | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost/floors/ids | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **[**  **{**  **"label": "903",**  **"value": 1**  **}**  **]** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 3.3 修改楼层信息

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改楼层信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | / floors | | | | | | | |
| 请求类型 | Put | | | | | | | |
| 相关权限 | floor:update | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | florid | 楼层Id | | body | | integer | | 1 |
| 2 | floorName | 楼层名字 | | body | | string | | 一楼 |
| 3 | floorInfo | 楼层信息 | | body | | string | | 员村五号大院101 |
| 4 | buildId | 楼层所属建筑Id | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 修改成功状态 | |  | |
| 3.请求实例 | | | | | | | | |
| Put http://localhost:/floors   |  |  | | --- | --- | | key | value | | florid | 1 | | floorName | 一楼 | | floorInfo | 员村五号大院101 | | buildId | 1 | | florid | 1 | | | | | | | | | |
| 5.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 6.错误响应实例 | | | | | | | | |
| {  "message": "修改楼层信息失败"  } | | | | | | | | |
| 7.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 3.4 删除楼层信息

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过楼层id删除楼层 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /floors/{floorId} | | | |
| 请求类型 | Delete | | | |
| 相关权限 | floor:delete | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | {floorId} | String | 楼层Id | 1 |
| 2.请求示例 | | | | |
| Delete http://localhost/ floors/2 | | | | |
| 3.正确响应实例 | | | | |
| **200** | | | | |
| 4.错误响应实例 | | | | |
| {  “message”:” 删除楼层失败”  } | | | | |
| 5.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 403 | | | 权限不足 | |
| 500 | | | 服务内部错误 | |

### 4. 地图管理

#### 4.1 添加地图

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加地图信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map | | | | | | | |
| 请求类型 | Post | | | | | | | |
| 相关权限 | map:add | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | mapId | 地图Id | | body | | string | | 1 |
| 2 | mapName | 地图名字 | | body | | string | | XX地图 |
| 3 | mapX | 地图宽度 | | body | | double | | 4.2 |
| 4 | mapY | 地图长度 | | body | | double | | 1.5 |
| 5 | mapZ | 地图高度 | | body | | double | | 1 |
| 6 | mapFile | 地图文件路径 | | body | | string | | /statioc/003.json |
| 7 | floorId | 地图所在漏乘 | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 添加成功返回200 | |  | |
| 3.正确请求示例 | | | | | | | | |
| Post http://localhost:/map   |  |  | | --- | --- | | key | value | | mapId | 1 | | mapName | XX地图 | | mapX | 4.2 | | mapY | 1.5 | | mapZ | 1 | | mapFile | /statioc/003.json | | floorId | 1 | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加基站失败 | {  "message": "添加地图失败"  } | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 4.2 查询地图

##### 4.2.1查询所有地图

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有地图 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | map | | | | | |
| 请求类型 | Get | | | | | |
| 相关权限 | map:view | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | | 名称 | 数据类型 | | 描述 | 是否必需 |
| 1 | | pageNum | int | | 查询的页数 | 否 |
| 2 | | pageSize | int | | 查询的页面数据量 | 否 |
| 2.请求示例 | | | | | | |
| Get http://localhost/map | | | | | | |
| 3.响应参数 | | | | | | |
| 序号 | | 名称 | 数据类型 | | 描述 | 例子 |
| 1 | | total | int | | 总数据量 | 10 |
| 2 | | rows | array | | 每页的行数 |  |
| 4.正确响应实例 | | | | | | |
| **{**  **"total": 1,**  **"rows": [**  **{**  **"mapId": 1,**  **"mapName": "卧室",**  **"mapX": 6.4,**  **"mapY": 4.2,**  **"mapZ": 0.0,**  **"mapFile": "003.json",**  **"floorId": 1.0**  **}**  **]**  **}** | | | | | | |
| 3.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 403 | | | | 权限不足 | | |
| 500 | | | | 服务内部错误 | | |

##### 4.2.2 通过楼层id查询地图

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过楼层id查询地图 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /map/floor/{floorId} | | | |
| 请求类型 | Get | | | |
| 相关权限 | map:view | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | {{floorId}} | String | 楼层Id | 1 |
| 2.请求示例 | | | | |
| Get http://localhost/map/floor/1 | | | | |
| 3.正确响应实例 | | | | |
| **[**  **{**  **"mapId": 1,**  **"mapName": "卧室",**  **"mapX": 6.4,**  **"mapY": 4.2,**  **"mapZ": 0.0,**  **"mapFile": "003.json",**  **"floorId": 1.0**  **}**  **]** | | | | |
| 4.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 500 | | | 服务内部错误 | |

##### 4.2.3 查询所有地图Id

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 获取所有的地图Id | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /map/ids | | | |
| 请求类型 | Get | | | |
| 相关权限 | map:view | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
|  |  |  |  |  |
| 2.请求示例 | | | | |
| Get http://localhost/map/ids | | | | |
| 3.正确响应实例 | | | | |
| **[**  **{**  **"label": "卧室",**  **"value": 1**  **},**  **{**  **"label": "客厅",**  **"value": 2**  **}**  **]** | | | | |
| 4.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 500 | | | 服务内部错误 | |

#### 4.3 修改地图信息

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加地图信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map | | | | | | | |
| 请求类型 | Post | | | | | | | |
| 相关权限 | map:update | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | mapId | 地图Id | | body | | string | | 1 |
| 2 | mapName | 地图名字 | | body | | string | | XX地图 |
| 3 | mapX | 地图宽度 | | body | | double | | 4.2 |
| 4 | mapY | 地图长度 | | body | | double | | 1.5 |
| 5 | mapZ | 地图高度 | | body | | double | | 1 |
| 6 | mapFile | 地图文件路径 | | body | | string | | /statioc/003.json |
| 7 | floorId | 地图所在漏乘 | | body | | int | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 添加成功返回200 | |  | |
| 3.正确请求示例 | | | | | | | | |
| Post http://localhost: /map   |  |  | | --- | --- | | key | value | | mapId | 1 | | mapName | XX地图 | | mapX | 4.2 | | mapY | 1.5 | | mapZ | 1 | | mapFile | /statioc/003.json | | floorId | 1 | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加基站失败 | {  "message": "修改基站失败"  } | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 4.4 删除地图

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过地图Id删除地图 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /map/{{mapId}} | | | |
| 请求类型 | Delete | | | |
| 相关权限 | map:delete | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | {{mapId}} | String | 地图Id | 1 |
| 2.请求示例 | | | | |
| Delete http://localhost/map/1 | | | | |
| 3.正确响应实例 | | | | |
| **200** | | | | |
| 4.错误响应实例 | | | | |
| {  “message”:”删除地图失败”  } | | | | |
| 5.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 500 | | | 服务内部错误 | |

### 5. 基站管理

#### 5.1 添加基站

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加基站信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map/stations | | | | | | | |
| 请求类型 | Post | | | | | | | |
| 相关权限 | station:add | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | baseMac | 基站Mac设备码 | | body | | string | | 08:AA:59:1D:DA:06 |
| 2 | baseX | 基站的所在X轴位置 | | body | | double | | 6.4 |
| 3 | baseY | 基站的所在Y轴位置 | | body | | double | | 4.2 |
| 4 | baseZ | 基站的所在Z轴位置 | | body | | double | | 1.5 |
| 5 | mapId | 基站所属地图Id | | body | | integer | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 添加成功返回200 | |  | |
| 3.正确请求示例 | | | | | | | | |
| Post http://localhost: /map/stations   |  |  | | --- | --- | | key | value | | baseMac | 08:AA:59:1D:DA:06 | | baseX | 6.4 | | baseY | 4.2 | | baseZ | 1.5 | | mapId | 所属地图Id | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加基站失败 | {  "message": "添加基站失败"  } | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 5.2 查询基站

##### 5.2.1 查询所有基站

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有基站信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map/stations | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | station:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 查询到的总数据量 | | 4 | |
| 2 | rows | | array | | 每页数据的数据 | |  | |
| 2.请求示例 | | | | | | | | |
| Get http://localhost/map/stations?pageNum=1&pageSize=10 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **{**  **"total": 4,**  **"rows": [**  **{**  **"baseMac": "08:AA:59:1D:DA:06",**  **"baseX": 6.4,**  **"baseY": 4.2,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "24:6F:12:90:BD:DA",**  **"baseX": 6.4,**  **"baseY": 0.0,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "28:BC:5D:0E:9F:04",**  **"baseX": 0.0,**  **"baseY": 4.2,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "3C:CA:64:7E:0A:9F",**  **"baseX": 0.0,**  **"baseY": 0.0,**  **"baseZ": 1.5,**  **"mapId": 1**  **}**  **]**  **}** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 5.2.2 通过地图Id查询基站

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加基站信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map/stations/{mapId} | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | station:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | mapId | 地图Id | | url | | string | | 1 |
| 2 | pageNum | int | | 分页查询的页数 | | 1 | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 请求成功状态 | |  | |
| 3.请求示例 | | | | | | | | |
| Get http://localhost:9527/map/stations/1?pageNum=1 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| **{**  **"total": 4,**  **"rows": [**  **{**  **"baseMac": "08:AA:59:1D:DA:06",**  **"baseX": 6.4,**  **"baseY": 4.2,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "24:6F:12:90:BD:DA",**  **"baseX": 6.4,**  **"baseY": 0.0,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "28:BC:5D:0E:9F:04",**  **"baseX": 0.0,**  **"baseY": 4.2,**  **"baseZ": 1.5,**  **"mapId": 1**  **},**  **{**  **"baseMac": "3C:CA:64:7E:0A:9F",**  **"baseX": 0.0,**  **"baseY": 0.0,**  **"baseZ": 1.5,**  **"mapId": 1**  **}**  **]**  **}** | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 5.2.3 查询所有的基站mac

|  |  |  |
| --- | --- | --- |
| Api描述 | 查询所有基站mac | |
| Api类型 | RestFulf | |
| Api路径 | /map/stations/macs | |
| 请求类型 | Get | |
| 相关权限 | station:add | |
| 1.请求示例 | | |
| Get http://localhost/map/stations/macs | | |
| 2.正确响应实例 | | |
| **[**  **{**  **"label": "08AA591DDA06",**  **"value": "08AA591DDA06"**  **},**  **{**  **"label": "246F1290BDDA",**  **"value": "246F1290BDDA"**  **},**  **{**  **"label": "28BC5D0E9F04",**  **"value": "28BC5D0E9F04"**  **},**  **{**  **"label": "3CCA647E0A9F",**  **"value": "3CCA647E0A9F"**  **}**  **]** | | |
| 4.错误代码设计 | | |
| 状态码 | | 描述 |
| 200 | | 表示请求正常 |
| 500 | | 服务内部错误 |

#### 5.3 修改基站信息

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改基站信息 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /map/stations/ | | | | | | | |
| 请求类型 | Put | | | | | | | |
| 相关权限 | station:update | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | baseMac | 基站Mac设备码 | | body | | string | | 08:AA:59:1D:DA:06 |
| 2 | baseX | 基站的所在X轴位置 | | body | | double | | 6.4 |
| 3 | baseY | 基站的所在Y轴位置 | | body | | double | | 4.2 |
| 4 | baseZ | 基站的所在Z轴位置 | | body | | double | | 1.5 |
| 5 | mapId | 所对应地图Id | | body | | Integer | | 1 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | / | | 请求成功状态 | |  | |
| 3.输入参数示例 | | | | | | | | |
| Put http://localhost:9527/map/stations | | | | | | | | |
| 4.请求参数实例 | | | | | | | | |
| |  |  | | --- | --- | | key | value | | baseMac | 08:AA:59:1D:DA:06 | | baseX | 6.4 | | baseY | 4.2 | | baseZ | 1.5 | | mapId | 所属地图Id | | | | | | | | | |
| 5.正确响应实例 | | | | | | | | |
| 200 | | | | | | | | |
| 6.错误响应实例 | | | | | | | | |
| {  “message”:”修改基站失败”  } | | | | | | | | |
| 7.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 5.4 删除基站

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Api描述 | 通过Mac删除基站信息 | | | |
| Api类型 | RestFulf | | | |
| Api路径 | /map/stations/mac/{baseMac} | | | |
| 请求类型 | Delete | | | |
| 相关权限 | station:delete | | | |
| 1.请求参数 | | | | |
| 序号 | 名称 | 数据类型 | 描述 | 例子 |
| 1 | baseMac | String | 基站的mac | 2 |
| 2.请求示例 | | | | |
| Delete <http://localhost>/map/stations/mac/2 | | | | |
| 3.正确响应实例 | | | | |
| **200** | | | | |
| 4.错误响应实例 | | | | |
| {  “message”:”删除基站失败”  } | | | | |
| 5.错误代码设计 | | | | |
| 状态码 | | | 描述 | |
| 200 | | | 表示请求正常 | |
| 500 | | | 服务内部错误 | |

### 6. 终端管理

#### 6.1 添加终端

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加终端信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /devices | | | | | | | | |
| 请求类型 | Post | | | | | | | | |
| 相关权限 | device:add | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | deviceMac | 终端mac码 | | body | | string | | 08:AA:59:1D:DA:06 |
| 2 | deviceType | 终端的类型（0:工牌； 1:手环；2:手表） | | body | | int | | （0:工牌； 1:手环；2:手表） |
| 3 | userId | 用户Id | | body | | int | | 4 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Post http://localhost: /devices   |  |  | | --- | --- | | key | value | | deviceMac | 08:AA:59:1D:DA:06 | | deviceType | （0:工牌； 1:手环；2:手表） | | userId | 4 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 添加终端失败 | {  "message": "添加终端失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不足 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 6.2 查询终端

##### 6.2.1 查询所有的终端

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有的终端 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /devices | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | device:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 查询到的总数据量 | | 4 | |
| 2 | rows | | array | | 每页数据的数据 | |  | |
| 2.请求示例 | | | | | | | | |
| Get http://localhost/devices?pageNum=1&pageSize=10 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **{**  **"total": 1,**  **"rows": [**  **{**  **"deviceMac": "2C4181CF0001CADE",**  **"deviceType": 1,**  **"userId": 1**  **}**  **]**  **}** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 6.2.2 通过设备类型查询终端

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询某个类型的终端 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /devices/type/1 | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | device:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | pageNum | | int | | 查询的页数 | | 否 |
| 2 | | pageSize | | int | | 查询的页面数据量 | | 否 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 查询到的总数据量 | | 4 | |
| 2 | rows | | array | | 每页数据的数据 | |  | |
| 2.请求示例 | | | | | | | | |
| Get http://localhost/devices/type/1?pageNum=1&pageSize=10 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **{**  **"total": 1,**  **"rows": [**  **{**  **"deviceMac": "2C4181CF0001CADE",**  **"deviceType": 1,**  **"userId": 1**  **}**  **]**  **}** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 6.2.3 通过用户Id查询终端

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询某个用户的所有终端 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /devices/user/1 | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | device:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
|  | |  | |  | |  | |  |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
|  |  | |  | |  | |  | |
| 2.请求示例 | | | | | | | | |
| Get http://localhost/devices/user/1 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **[**  **{**  **"deviceMac": "2C4181CF0001CADE",**  **"deviceType": 1,**  **"userId": 1**  **}**  **]** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

##### 6.2.4 通过用户id和设备类型查询终端

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询某个用户的某个类型的设备 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /devices/user/1/type/1 | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | device:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
|  | |  | |  | |  | |  |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
|  |  | |  | |  | |  | |
| 2.请求示例 | | | | | | | | |
| Get http://localhost/devices/user/1/type/1 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **{**  **"deviceMac": "2C4181CF0001CADE",**  **"deviceType": 1,**  **"userId": 1**  **}** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 6.3 修改终端信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改终端信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /devices | | | | | | | | |
| 请求类型 | Put | | | | | | | | |
| 相关权限 | device:update | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | deviceMac | 要修改的终端mac码 | | body | | string | | 08:AA:59:1D:DA:06 |
| 2 | deviceType | 终端的类型（0:工牌； 1:手环；2:手表） | | body | | int | | （0:工牌； 1:手环；2:手表） |
| 3 | userId | 用户Id | | body | | int | | 4 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Put http://localhost: /devices   |  |  | | --- | --- | | key | value | | deviceMac | 08:AA:59:1D:DA:06 | | deviceType | （0:工牌； 1:手环；2:手表） | | userId | 4 | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 修改终端失败 | {  "message": "修改终端失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不足 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

#### 6.4 删除终端信息

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 删除终端信息 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /{deviceMac} | | | | | | | | |
| 请求类型 | Put | | | | | | | | |
| 相关权限 | device:delete | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | deviceMac | 要删除的终端mac码 | | body | | string | | 08:AA:59:1D:DA:06 |
| 2.响应参数 | | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | | |
| 1 | 200 | | / | | 添加成功返回200 | |  | | |
| 3.正确请求示例 | | | | | | | | | |
| Delete http://localhost/devices/08:AA:59:1D:DA:06 | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| 200 | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
| |  |  |  | | --- | --- | --- | | 状态码 | 名称 | 错误信息 | | 500 | 删除 终端失败 | {  "message": "删除终端失败"  } | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | 描述 | | | | |
| 200 | | | | | 表示请求正常 | | | | |
| 403 | | | | | 权限不足 | | | | |
| 500 | | | | | 服务内部错误 | | | | |

### 7. 定位接口

##### 7.1 获取历史轨迹

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 历史轨迹 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /location/playback/{mapId} | | | | | | | |
| 请求类型 | Get | | | | | | | |
| 相关权限 | device:view | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | | 名称 | | 数据类型 | | 描述 | | 是否必需 |
| 1 | | {mapId} | | int | | 查询地图Id | | 是 |
| 2 | | userId | | int | | 查询的用户Id | | 是 |
| 3. | | beginTime | | String | | 开始时间 | | 是 |
| 4 | | endTime | | String | | 结束时间 | | 是 |
|  | |  | |  | |  | |  |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | locationX | | double | | X轴坐标 | |  | |
| 2 | locationY | | double | | Y轴坐标 | |  | |
| 3 | locationZ | | double | | Z轴坐标 | |  | |
| 2.请求示例 | | | | | | | | |
| Get http:/location/playBack/1?userId=1&beginTime=2020-07-27 09:59:04&endTime=2020-07-27 09:59:13 | | | | | | | | |
| 3.正确响应实例 | | | | | | | | |
| **[**  **{**  **"locationX": 0.9679912729146599,**  **"locationY": 3.2600536354738505,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9845358038331007,**  **"locationY": 3.231542737746309,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9753514790926753,**  **"locationY": 3.2596843779588913,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9734308666583836,**  **"locationY": 3.254490708978519,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9729586433047182,**  **"locationY": 3.253525518514654,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9700617059328032,**  **"locationY": 3.258460149795368,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9767713223017616,**  **"locationY": 3.234643912363984,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9767713223017616,**  **"locationY": 3.234643912363984,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9767713223017616,**  **"locationY": 3.234643912363984,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9767713223017616,**  **"locationY": 3.234643912363984,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9843574202291957,**  **"locationY": 3.2365563900227174,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9748817024845642,**  **"locationY": 3.234870683797342,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9713773951566975,**  **"locationY": 3.225942831598919,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9713773951566975,**  **"locationY": 3.204658399692254,**  **"locationZ": 0.0**  **},**  **{**  **"locationX": 0.9653118504750454,**  **"locationY": 3.199370861423903,**  **"locationZ": 0.0**  **}**  **]** | | | | | | | | |
| 4.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 403 | | | | | 权限不足 | | | |
| 500 | | | | | 服务内部错误 | | | |

### 8. 电子围栏

#### 8.1 围栏管理

##### 8.1.1 添加电子围栏

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加电子围栏 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure | | | | | | |
| 请求类型 | POST | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | enclosureName | 电子围栏名字 | | body | | String | F1-轨迹限制 |
| 2 | enclosureLocation | 绘制的电子围栏坐标数据 | | body | | Array | / |
| 3 | mapId | 电子围栏所在地图Id | | body | | Integer | 1 |
| 4 | userId | 创建电子围栏的用户Id | | body | | Integer | 1 |
| 5 | remarks | 备注 | | body | | String | 备注 |
| 2.正确请求示例 | | | | | | | |
| Post /enclosure | | | | | | | |
| key | | | value | | | | |
| enclosureName | | | F1-轨迹限制 | | | | |
| enclosureLocation | | | 前端自己定义 | | | | |
| mapId | | | 1 | | | | |
| userId | | | 1 | | | | |
| remarks | | | 备注 | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”添加电子围栏失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.1.2 删除电子围栏

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 删除创建的电子围栏 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /enclosure/{id} | | | | | |
| 请求类型 | Delete | | | | | |
| 相关权限 | enclosure:all | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | 位置 | | 数据类型 | 示例 |
| 1 | {id} | 围栏的Id | url | | Integer | 1 |
| 2.正确请求示例 | | | | | | |
| DELETE /enclosure/1 | | | | | | |
| 3.正确响应实例 | | | | | | |
| 200 | | | | | | |
| 4.错误响应实例 | | | | | | |
| {  “message”:”删除电子围栏失败”  } | | | | | | |
| 5.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |
| 401 | | | | 无权限访问 | | |

##### 8.1.3 查询电子围栏

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有的电子围栏 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /enclosure | | | | | | | |
| 请求类型 | GET | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | pageNum | int | | 查询的页数 | | 否 | | 1 |
| 2 | pageSize | int | | 查询的页面数据量 | | 否 | | 2 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | total | | int | | 总数据量 | | 10 | |
| 2 | rows | | array | | 每页的行数 | |  | |
| 3 | id | | int | | 围栏的Id | | 1 | |
| 4 | enclosureName | | string | | 围栏的名字 | | 测试 | |
| 5 | enclosureLocation | | array | | 围栏的位置 | | [2,3,3,3] | |
| 6 | mapId | | int | | 围栏对应的地图Id | | 1 | |
| 7 | userId | | int | | 围栏创建人的用户Id | | 1 | |
| 8 | remarks | | string | | 围栏备注 | | 备注 | |
| 9 | createTime | | date | | 围栏的创建时间 | | "2020-08-07 09:55:09" | |
| 3.正确请求示例 | | | | | | | | |
| GET /enclosure?pageSize=10&pageNum=1 | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 200  {  "total": 2,  "rows": [  {  "id": 8,  "enclosureName": "测试",  "enclosureLocation": "喔喔",  "mapId": 1,  "userId": 1,  "remarks": "测试",  "createTime": "2020-08-07 09:55:09"  }  ]  } | | | | | | | | |
| 5.错误代码设计 | | | | | | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |
| 401 | | | | | 无权限访问 | | | |
| 200 | | | | | 表示请求正常 | | | |

#### 8.2 标识管理

##### 8.2.1 添加标识

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加电子围栏标识 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/character/type | | | | | | |
| 请求类型 | POST | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | characterType | 电子围栏标识类型 | | body | | shor | 0 |
| 2 | characterName | 电子围栏标识名字 | | body | | string | 超速 |
| 2.正确请求示例 | | | | | | | |
| POST /enclosure/character/type | | | | | | | |
| key | | | value | | | | |
| characterType | | | 0 | | | | |
| characterName | | | 超速 | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  "message": "类型字段重复"  }  或  {  "message": "添加电子围栏失败"  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.2.2 修改标识

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改围栏标识 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/character/type | | | | | | |
| 请求类型 | PUT | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | characterType | 电子围栏标识类型 | | body | | shor | 0 |
| 2 | characterName | 电子围栏标识名字 | | body | | string | 超速 |
| 3 | id | 要修改的围栏标识Id | | body | | int | 8 |
| 2.正确请求示例 | | | | | | | |
| PUT /enclosure/character/type | | | | | | | |
| key | | | value | | | | |
| characterType | | | 0 | | | | |
| characterName | | | 超速 | | | | |
| id | | | 8 | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”更新电子围栏失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.2.4 删除标识

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 删除电子围栏标识 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /enclosure/character/type/{id} | | | | | |
| 请求类型 | DELETE | | | | | |
| 相关权限 | enclosure:all | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | 位置 | | 数据类型 | 示例 |
| 1 | {id} | 电子围栏标识id | url | | int | 8 |
| 2.正确请求示例 | | | | | | |
| DELETE /enclosure/character/type/8 | | | | | | |
| 3.正确响应实例 | | | | | | |
| 200 | | | | | | |
| 4.错误响应实例 | | | | | | |
| {  “message”:”删除失败”  } | | | | | | |
| 5.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |
| 401 | | | | 无权限访问 | | |

##### 8.2.3 查询标识

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询所有围栏标识 | | | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | | | |
| Api路径 | /enclosure/character/type | | | | | | | | | | |
| 请求类型 | GET | | | | | | | | | | |
| 相关权限 | enclosure:all | | | | | | | | | | |
| 1.请求参数 | | | | | | | | | | | |
| 序号 | 名称 | | | 描述 | | 位置 | | | 数据类型 | | 示例 |
| 1 | pageNum | | | int | | 查询的页数 | | | 否 | | 1 |
| 2 | pageSize | | | int | | 查询的页面数据量 | | | 否 | | 2 |
| 2.正确请求示例 | | | | | | | | | | | |
| GET /enclosure/character/type?pageSize=10&pageNum=1 | | | | | | | | | | | |
| 3.正确响应实例 | | | | | | | | | | | |
| 200  {  "total": 6,  "rows": [  {  "id": 1,  "characterType": 0,  "characterName": "越界"  }  ]  } | | | | | | | | | | | |
| 4.响应参数 | | | | | | | | | | | |
| 序号 | | 名称 | | | 数据类型 | | 描述 | | | 例子 | |
| 1 | | total | | | int | | 总数据量 | | | 10 | |
| 2 | | rows | | | array | | 每页的行数 | | |  | |
| 3 | | id | | | int | | 围栏特性标识Id | | | 1 | |
| 4 | | characterType | | | short | | 围栏标识类型 | | | 0 | |
| 5 | | characterName | | | string | | 围栏标识类型名称 | | | 越界 | |
| 5.错误响应实例 | | | | | | | | | | | |
| 状态码 | | | 名称 | | | | | 错误信息 | | | |
| 500 | | | error | | | | | 添加电子围栏失败 | | | |
| 401 | | | unauthorized forbit | | | | | 没有权限 | | | |

#### 8.3 围栏标识管理

##### 8.3.1 添加围栏标识

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 为某个电子围栏添加标识 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/character | | | | | | |
| 请求类型 | POST | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | enclosureId | 电子围栏Id | | body | | int | 8 |
| 2 | characterType | 标识类型(如果标识不存在无法添加) | | body | | short | 0 |
| 3 | isForever | 此特性是否是永久有效的 | | body | | Boolean | false |
| 2.正确请求示例 | | | | | | | |
| POST /enclosure/character | | | | | | | |
| key | | | value | | | | |
| enclosureId | | | 8 | | | | |
| characterType | | | 0 | | | | |
| isForever | | | false | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”添加电子围栏特性标识失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.3.2 修改电子围栏标识

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改某个围栏的标识 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/character | | | | | | |
| 请求类型 | PUT | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | enclosureId | 修改后的电子围栏Id | | body | | int | 8 |
| 2 | characterType | 修改后的标识类型(如果标识不存在无法添加) | | body | | short | 0 |
| 3 | isForever | 修改后的此特性是否是永久有效的 | | body | | Boolean | false |
| 4 | id | 要修改的特性Id | | body | | int | 12 |
| 2.正确请求示例 | | | | | | | |
| POST /enclosure/character | | | | | | | |
| key | | | value | | | | |
| enclosureId | | | 8 | | | | |
| characterType | | | 0 | | | | |
| isForever | | | false | | | | |
| id | | | 12 | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”更新电子围栏标识失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.3.3 查询这个地图所有电子围栏标识

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 查询某个地图的所有电子围栏标识 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /enclosure/character/{mapId} | | | | | |
| 请求类型 | Get | | | | | |
| 相关权限 | enclosure:all | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | 位置 | | 数据类型 | 示例 |
| 1 | mapId | 需要查询的地图Id | body | | int | 1 |
| 2.正确请求示例 | | | | | | |
| GET /enclosure/character/1 | | | | | | |
| 3.正确响应实例 | | | | | | |
| 200  [  {  "enclosureId": 8,  "enclosureName": "测试",  "features": [  [  {  "isForever": false,  "characterType": 0,  "characterName": "越界",  "id": 15  },  {  "isForever": false,  "characterType": 2,  "characterName": "低电量",  "id": 12  }  ]  ]  }  ] | | | | | | |
| 4.错误响应实例 | | | | | | |
| [] | | | | | | |
| 5.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |
| 401 | | | | 无权限访问 | | |

##### 8.3.4 删除这个围栏的某个特性

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 删除某个围栏的某个标识 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /enclosure/character/{id} | | | | | |
| 请求类型 | DELETE | | | | | |
| 相关权限 | enclosure:all | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | 位置 | | 数据类型 | 示例 |
| 1 | id | 唯一的某个围栏标识Id | url | | int | 15 |
| 2.正确请求示例 | | | | | | |
| GET /enclosure/character/1 | | | | | | |
| 3.正确响应实例 | | | | | | |
| 200 | | | | | | |
| 4.错误响应实例 | | | | | | |
| {  “message”:”删除失败”  } | | | | | | |
| 5.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |
| 401 | | | | 无权限访问 | | |

#### 8.4 围栏规则管理

##### 8.4.1 添加围栏规则

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加电子围栏规则 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/rule | | | | | | |
| 请求类型 | POST | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | enclosureId | 对应的围栏Id | | body | | int | 8 |
| 2 | characterType | 对应的围栏特征 | | body | | int | 0 |
| 3 | forPeople | 人员名单 | | body | | json | [{"name":"张三","userId":"2"},{"name":"李四","userId":"3"}] |
| 4 | listType | 名单类型 | | body | | Boolean | 0为白名单  1为黑名单 |
| 5 | isForever | 是否永久有效 | | body | | Boolean | 0否  1是 |
| 6 | expireTime(非必须) | 如果不是永久有效需要设置有效时间段 | | body | | json | [{"startTime": "9", "endTime": "20"},{"startTime": "20", "endTime": "22"}] |
| 7 | remark(非必须) | 备注 | | body | | string | ss |
| 2.正确请求示例 | | | | | | | |
| POST /enclosure/rule | | | | | | | |
| key | | | value | | | | |
| enclosureId | | | 8 | | | | |
| characterType | | | 0 | | | | |
| forPeople | | | [{"name":"张三","userId":"2"},{"name":"李四","userId":"3"}] | | | | |
| listType | | | 0为白名单  1为黑名单 | | | | |
| isForever | | | 0否  1是 | | | | |
| expireTime(非必须) | | | [{"startTime": "9", "endTime": "20"},{"startTime": "20", "endTime": "22"}] | | | | |
| remark(非必须) | | | ss | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”添加围栏规则失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.4.2 更新围栏规则

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 更新围栏规则 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/rule | | | | | | |
| 请求类型 | PUT | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | enclosureId | 修改后的围栏Id | | body | | int | 8 |
| 2 | characterType | 修改后的围栏特征 | | body | | int | 2 |
| 3 | forPeople | 修改后的人员名单 | | body | | json | [{"name":"张三","userId":"2"}] |
| 4 | listType | 修改后的名单类型 | | body | | Boolean | 0为白名单  1为黑名单 |
| 5 | isForever | 修改后的是否永久有效 | | body | | Boolean | 0否  1是 |
| 6 | expireTime | 修改后的如果不是永久有效需要设置有效时间段 | | body | | json | [{"startTime": "9", "endTime": "20"}] |
| 7 | remark | 修改后的备注 | | body | | string | ss |
| 8 | id | 要更改的围栏规则Id | | body | | int | 12 |
| 2.正确请求示例 | | | | | | | |
| PUT /enclosure/rule | | | | | | | |
| key | | | value | | | | |
| enclosureId | | | 8 | | | | |
| characterType | | | 0 | | | | |
| forPeople | | | [{"name":"张三","userId":"2"},{"name":"李四","userId":"3"}] | | | | |
| listType | | | 0为白名单  1为黑名单 | | | | |
| isForever | | | 0否  1是 | | | | |
| expireTime(非必须) | | | [{"startTime": "9", "endTime": "20"},{"startTime": "20", "endTime": "22"}] | | | | |
| remark(非必须) | | | ss | | | | |
|  | | |  | | | | |
| 3.正确响应实例 | | | | | | | |
| 200 | | | | | | | |
| 4.错误响应实例 | | | | | | | |
| {  “message”:”添加围栏规则失败”  } | | | | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.4.3 查询围栏规则

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 通过围栏id和围栏类型查询对应的规则 | | | | | | |
| Api类型 | RestFulf | | | | | | |
| Api路径 | /enclosure/rule/{id}/{type} | | | | | | |
| 请求类型 | Get | | | | | | |
| 相关权限 | enclosure:all | | | | | | |
| 1.请求参数 | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | 示例 |
| 1 | {id} | 对应的围栏Id | | body | | int | 8 |
| 2 | {type} | 对应的围栏类型 | | body | | shot | 2 |
| 2.正确请求示例 | | | | | | | |
| GET /enclosure/rule/8/2 | | | | | | | |
| 3.正确响应实例 | | | | | | | |
| {  "id": 12,  "enclosureId": 8,  "characterType": "2",  "forPeople": "[{\"name\": \"张三\", \"userId\": \"2\"}]",  "listType": false,  "isForever": false,  "expireTime": "[{\"endTime\": \"20\", \"startTime\": \"9\"}, {\"endTime\": \"20\", \"startTime\": \"9\"}]",  "remark": "测试2"  } | | | | | | | |
| 4.响应参数说明 | | | | | | | |
| 参数 | | | 说明 | | | | |
| id | | | 规则Id | | | | |
| enclosureId | | | 围栏Id | | | | |
| characterType | | | 围栏特征 | | | | |
| forPeople | | | 返回的json数组字符串，需要使用JSON解析渲染 | | | | |
| listType | | | false为白名单，true为黑名单 | | | | |
| expireTime | | | 返回的json数组字符串，需要使用JSON解析渲染 | | | | |
| remark | | | 备注 | | | | |
| 5.错误代码设计 | | | | | | | |
| 状态码 | | | | | 描述 | | |
| 200 | | | | | 表示请求正常 | | |
| 500 | | | | | 服务内部错误 | | |
| 401 | | | | | 无权限访问 | | |

##### 8.4.4 删除围栏规则

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 通过Id删除对应的规则 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /enclosure/rule/{id} | | | | | |
| 请求类型 | DELETE | | | | | |
| 相关权限 | enclosure:all | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | 位置 | | 数据类型 | 示例 |
| 1 | {id} | 对应的规则Id | body | | int | 15 |
| 2.正确请求示例 | | | | | | |
| GET /enclosure/rule/15 | | | | | | |
| 3.正确响应实例 | | | | | | |
| 200 | | | | | | |
| 4.错误返回 | | | | | | |
| {  “message”:”删除失败”  } | | | | | | |
| 5.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |
| 401 | | | | 无权限访问 | | |

## 三、摄像模块

### 1．设备管理

#### 1.0 默认cameraInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1.请求参数 | | | | | |
| 序号 | 名称 | 描述 | 位置 | 数据类型 | 示例 |
| 1 | cameraStatus | 摄像头状态 | Body | Number | 1 |
| 2 | model | 设备品牌型号 | Body | Sring | CS-C3T-1B2ER |
| 3 | mac | 设备的MAC地址 | Body | String | 68:6D:BC:85:91:E1 |
| 4 | indexX | 设备X轴 | Body | Double | 0.0 |
| 5 | indexY | 设备Y轴 | Body | Double | 0.0 |
| 6 | indexZ | 设备Z轴 | Body | Double | 0.0 |
| 7 | mapId | 设备X轴 | Body | Number | 1 |
| 8 | ip | 设备IP | Body | String | 192.168.1.129 |
| 9 | userName | 用户名 | Body | String | Admin |
| 10 | password | 密码 | Body | String | MJXPGO |
| 11 | port | 端口 | Body | Number | 554 |

#### 1.1 获取设备列表

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 获取用户下全部设备列表 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /decoder/camera/ | | | | | | | | |
| 请求类型 | GET | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | | 描述 | | 位置 | | | 数据类型 | 示例 |
|  |  | |  | |  | | |  |  |
| 2.响应参数 | | | | | | | | | |
| 序号 | | 名称 | | 描述 | 位置 | | 数据类型 | | |
| 1 | | protocol | | 协议 | Body | | Sring | | |
| 2 | | name | | 自定义设备名 | Body | | Sring | | |
| 3 | | status | | 状态 | Body | | Number | | |
| 4 | | model | | 设备品牌型号 | Body | | String | | |
| 5 | | cameraInfo | | 设备信息，根据设备不同信息可能不同，参考默认cameraInfo | Body | | object | | |
| 3.输入参数示例 | | | | | | | | | |
|  | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| [  {  "decoderId": 1234567890,  "protocol": "RTSP",  "name": "iwejf",  "status": 1,  "model": "",  "cameraInfo": {  "cameraStatus": 1,  "model": "CS-C3T-1B2ER",  "mac": "98:8B:0A:9D:59:C4",  "indexX": 2.0,  "indexY": 2.0,  "indexZ": 1.0,  "mapId": 2,  "ip": "192.168.1.142",  "userName": "admin",  "password": "ZTNEDK",  "port": 554  }  },  {  "decoderId": 387569284928,  "protocol": "RTSP",  "name": "eijtoij",  "status": 1,  "model": "etbase",  "cameraInfo": {  "cameraStatus": 1,  "model": "CS-C3T-1B2ER",  "mac": "68:6D:BC:85:91:E1",  "indexX": 0.0,  "indexY": 0.0,  "indexZ": 1.0,  "mapId": 1,  "ip": "192.168.1.129",  "userName": "admin",  "password": "MJXPGO",  "port": 554  }  }  ] | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
|  | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | | 描述 | | | |
| 200 | | | | | | 表示请求正常 | | | |
| 500 | | | | | | 服务内部错误 | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | | 获取用户下指定的map全部设备列表 | | | | | | | | |
| Api类型 | | RestFulf | | | | | | | | |
| Api路径 | | /decoder/camera/ {mapid} | | | | | | | | |
| 请求类型 | | GET | | | | | | | | |
| 1.请求参数 | | | | | | | | | | |
| 序号 | | 名称 | 描述 | | 位置 | | | | 数据类型 | 示例 |
| 1 | | mapid | 地图的ID | | 路径 | | | | Long | 1 |
| 2.响应参数 | | | | | | | | | | |
| 序号 | 名称 | | | 描述 | | | 位置 | 数据类型 | | |
| 1 | protocol | | | 协议 | | | Body | Sring | | |
| 2 | name | | | 自定义设备名 | | | Body | Sring | | |
| 3 | status | | | 状态 | | | Body | Number | | |
| 4 | model | | | 设备品牌型号 | | | Body | String | | |
| 5 | cameraInfo | | | 设备信息，根据设备不同信息可能不同，参考默认cameraInfo | | | Body | object | | |
| 3.输入参数示例 | | | | | | | | | | |
|  | | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | | |
| [  {  "decoderId": 387569284928,  "protocol": "RTSP",  "name": "eijtoij",  "status": 1,  "model": "etbase",  "cameraInfo": {  "cameraStatus": 1,  "model": "AEFAWEF",  "mac": "AWE-AWEF-AWE-F",  "indexX": 0.0,  "indexY": 0.0,  "indexZ": 1.0,  "mapId": 1,  "ip": "192.168.1.129",  "userName": "admin",  "password": "MJXPGO",  "port": 554  }  }  ] | | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | | |
|  | | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | | |
| 状态码 | | | | | | 描述 | | | | |
| 200 | | | | | | 表示请求正常 | | | | |
| 500 | | | | | | 服务内部错误 | | | | |

#### 1.2添加设备

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加设备 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /decoder/camera/ | | | | | | | |
| 请求类型 | POST | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | protocol | 协议 | | Body | | Sring | | RTSP |
| 2 | name | 自定义设备名 | | Body | | Sring | | 1楼的设备 |
| 3 | status | 状态 | | Body | | Number | | 1 |
| 4 | model | 设备品牌型号 | | Body | | String | | ET |
| 5 | cameraInfo | 设备信息，根据设备不同信息可能不同，参考默认cameraInfo | | Body | | object | | {  "cameraStatus": 1,  "model": "AEFAWEF",  "mac": "AWE-AWEF-AWE-F",  "indexX": 0.0,  "indexY": 0.0,  "indexZ": 1.0,  "mapId": 1,  "ip": "192.168.1.129",  "userName": "admin",  "password": "MJXPGO",  "port": 554  } |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | JSON | | 获取设备列表数组形 | |  | |
| 3.输入参数示例 | | | | | | | | |
| {  "decoderId": 1234567890,  "protocol": "RTSP",  "name": "iwejf",  "status": 1,  "model": "",  "cameraInfo": {  "cameraStatus": 1,  "model": "AFEAWE",  "mac": "AFEW-AWE-AWEF--AWF",  "indexX": 2.0,  "indexY": 2.0,  "indexZ": 1.0,  "mapId": 1  }  } | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| [  {  "decoderId": 1234567890,  "protocol": "RTSP",  "name": "iwejf",  "status": 1,  "model": "",  "cameraInfo": {  "cameraStatus": 1,  "model": "AFEAWE",  "mac": "AFEW-AWE-AWEF--AWF",  "indexX": 2.0,  "indexY": 2.0,  "indexZ": 1.0,  "mapId": 1  }  }  ] | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
|  | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 1.3 修改设备

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 修改设备 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /decoder/camera/ { decoderId } | | | | | | | |
| 请求类型 | PUT | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | protocol | 协议 | | Body | | Sring | | RTSP |
| 2 | name | 自定义设备名 | | Body | | Sring | | 1楼的设备 |
| 3 | status | 状态 | | Body | | Number | | 1 |
| 4 | model | 设备品牌型号 | | Body | | String | | ET |
| 5 | cameraInfo | 设备信息，根据设备不同信息可能不同，参考默认cameraInfo | | Body | | object | | {  "cameraStatus": 1,  "model": "AEFAWEF",  "mac": "AWE-AWEF-AWE-F",  "indexX": 0.0,  "indexY": 0.0,  "indexZ": 1.0,  "mapId": 1,  "ip": "192.168.1.129",  "userName": "admin",  "password": "MJXPGO",  "port": 554  } |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
| 1 | 200 | | JSON | | 获取设备列表数组形 | |  | |
| 3.输入参数示例 | | | | | | | | |
| {  "decoderId": 1234567890,  "protocol": "RTSP",  "name": "iwejf",  "status": 1,  "model": "",  "cameraInfo": {  "cameraStatus": 1,  "model": "AFEAWE",  "mac": "AFEW-AWE-AWEF--AWF",  "indexX": 2.0,  "indexY": 2.0,  "indexZ": 1.0,  "mapId": 1  }  } | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| [  {  "decoderId": 1234567890,  "protocol": "RTSP",  "name": "iwejf",  "status": 1,  "model": "",  "cameraInfo": {  "cameraStatus": 1,  "model": "AFEAWE",  "mac": "AFEW-AWE-AWEF--AWF",  "indexX": 2.0,  "indexY": 2.0,  "indexZ": 1.0,  "mapId": 1  }  }  ] | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
|  | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 1.4 删除设备

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 获取用户下全部设备列表 | | | | | | | |
| Api类型 | RestFulf | | | | | | | |
| Api路径 | /decoder/camera/ { decoderId } | | | | | | | |
| 请求类型 | DELETE | | | | | | | |
| 1.请求参数 | | | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | | 数据类型 | | 示例 |
| 1 | decoderId | ID | | Api路径 | | Long | | 1234567890 |
| 2.响应参数 | | | | | | | | |
| 序号 | 名称 | | 数据类型 | | 描述 | | 例子 | |
|  |  | |  | |  | |  | |
| 3.输入参数示例 | | | | | | | | |
|  | | | | | | | | |
| 4.正确响应实例 | | | | | | | | |
| 5.错误响应实例 | | | | | | | | |
|  | | | | | | | | |
| 6.错误代码设计 | | | | | | | | |
| 状态码 | | | | | 描述 | | | |
| 200 | | | | | 表示请求正常 | | | |
| 500 | | | | | 服务内部错误 | | | |

#### 1.5 设备扫描

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 获取用户下全部设备列表 | | | | | | | | |
| Api类型 | RestFulf | | | | | | | | |
| Api路径 | /decoder/camera/ | | | | | | | | |
| 请求类型 | GET | | | | | | | | |
| 1.请求参数 | | | | | | | | | |
| 序号 | 名称 | | 描述 | | 位置 | | | 数据类型 | 示例 |
|  |  | |  | |  | | |  |  |
| 2.响应参数 | | | | | | | | | |
|  | |  | |  |  | |  | | |
| 序号 | | 名称 | | 描述 | 位置 | | 数据类型 | | |
| 1 | | deviceType | | 设备类型 | Body | | Sring | | |
| 2 | | deviceDescription | | 设备描述 | Body | | Sring | | |
| 3 | | deviceSN | | 设备SN号 | Body | | String | | |
| 4 | | commandPort | | 命令端口 | Body | | String | | |
| 5 | | httpPort | | http端口 | Body | | String | | |
| 6 | | mac | | mac地址 | Body | | Sring | | |
| 7 | | ipv4Address | | IPv4地址 | Body | | Sring | | |
| 8 | | deviceSN | | IPv4子网掩码 | Body | | String | | |
| 9 | | ipv4Gateway | | IPv4网关 | Body | | String | | |
| 10 | | dhcp | | 是否开启DHCP | Body | | boolean | | |
| 11 | | analogChannelNum | | 模拟信号通道 | Body | | Number | | |
| 12 | | digitalChannelNum | | 数字信号通道 | Body | | Number | | |
| 13 | | softwareVersion | | 软件版本 | Body | | String | | |
| 14 | | dspVersion | | dsp版本 | Body | | Sring | | |
| 15 | | bootTime | | 开机时间 | Body | | Sring | | |
| 16 | | encrypt | | 是否加密 | Body | | boolean | | |
| 17 | | resetAbility | | 是否可以重置 | Body | | Sring | | |
| 18 | | diskNumber | | 设备号 | Body | | Number | | |
| 19 | | activated | | 是否激活 | Body | | String | | |
| 20 | | passwordResetAbility | | 是否可重置密码 | Body | | boolean | | |
| 21 | | passwordResetModeSecond | |  | Body | | boolean | | |
| 22 | | deviceLock | | 是否锁定 | Body | | boolean | | |
| 3.输入参数示例 | | | | | | | | | |
|  | | | | | | | | | |
| 4.正确响应实例 | | | | | | | | | |
| [  {  "deviceType": "140008",  "deviceDescription": "CS-C3T-1B2ER",  "deviceSN": "CS-C3T-1B2ER0120190518CCCHD20275922",  "commandPort": "8000",  "httpPort": "80",  "mac": "68-6d-bc-85-91-e1",  "ipv4Address": "192.168.1.139",  "ipv4SubnetMask": "255.255.255.0",  "ipv4Gateway": "192.168.1.1",  "dhcp": true,  "analogChannelNum": 0,  "digitalChannelNum": 1,  "softwareVersion": "V5.2.5build 180528",  "dspVersion": "V7.0 build 180515",  "bootTime": "1970-01-01 00:00:16",  "encrypt": false,  "resetAbility": false,  "diskNumber": 0,  "activated": "false",  "passwordResetAbility": true,  "passwordResetModeSecond": true,  "deviceLock": false  },  {  "deviceType": "142623",  "deviceDescription": "DS-IPC-T12-I",  "deviceSN": "DS-IPC-T12-I20190125AACHC89533794",  "commandPort": "8000",  "httpPort": "80",  "mac": "f8-4d-fc-c3-69-a0",  "ipv4Address": "192.168.1.150",  "ipv4SubnetMask": "255.255.255.0",  "ipv4Gateway": "192.168.1.1",  "dhcp": false,  "analogChannelNum": 0,  "digitalChannelNum": 1,  "softwareVersion": "V5.5.53build 180717",  "dspVersion": "V7.1 build 180503",  "bootTime": "1970-01-01 00:00:22",  "encrypt": true,  "resetAbility": false,  "diskNumber": 0,  "activated": "true",  "passwordResetAbility": true,  "passwordResetModeSecond": true,  "deviceLock": true  }  ] | | | | | | | | | |
| 5.错误响应实例 | | | | | | | | | |
|  | | | | | | | | | |
| 6.错误代码设计 | | | | | | | | | |
| 状态码 | | | | | | 描述 | | | |
| 200 | | | | | | 表示请求正常 | | | |
| 500 | | | | | | 服务内部错误 | | | |

### 2.解码器接口

#### 2.1 添加流（！默认10分钟关闭传输通道请在10分钟内再次请求续期）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加设备 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /decoder/manager/transcode | | | | | |
| 请求类型 | POST | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | 数据类型 | 示例 |
| 1 | srcId | 源解码ID | | Body | Number | 1234567890 |
| 2 | outProtocol | 输出的协议 | | Body | Sring | RTMP |
| 3 | outOptions | 输出的选项请参考ffmpeg | | Body | object | "outOptions":{  "codec": "h264",  "fmt":"flv",  "fps":"25",  "rs":"640x360",  "twoPart":"1"  } |
| 2.响应参数 | | | | | | |
| 序号 | 名称 | | 数据类型 | 描述 | 例子 | |
| 1 | 200 | | JSON | 获取设备列表数组形 |  | |
| 3.输入参数示例 | | | | | | |
| {  "srcId": 1234567890,  "outProtocol":"RTMP",  "outOptions":{  "codec": "h264",  "fmt":"flv",  "fps":"25",  "rs":"640x360",  "twoPart":"1"  }  } | | | | | | |
| 4.正确响应实例 | | | | | | |
|  | | | | | | |
| 5.错误响应实例 | | | | | | |
|  | | | | | | |
| 6.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |

#### 2.2 结束流

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Api描述 | 添加设备 | | | | | |
| Api类型 | RestFulf | | | | | |
| Api路径 | /decoder/manager/transcode/{id} | | | | | |
| 请求类型 | POST | | | | | |
| 1.请求参数 | | | | | | |
| 序号 | 名称 | 描述 | | 位置 | 数据类型 | 示例 |
| 1 | Id | 返回的解码ID | | Api路径 | Number | 1234567890 |
| 2.响应参数 | | | | | | |
| 序号 | 名称 | | 数据类型 | 描述 | 例子 | |
| 1 | 200 | | JSON | 获取设备列表数组形 |  | |
| 3.输入参数示例 | | | | | | |
|  | | | | | | |
| 4.正确响应实例 | | | | | | |
| 1234567890 | | | | | | |
| 5.错误响应实例 | | | | | | |
|  | | | | | | |
| 6.错误代码设计 | | | | | | |
| 状态码 | | | | 描述 | | |
| 200 | | | | 表示请求正常 | | |
| 500 | | | | 服务内部错误 | | |