

HiO 平台 HTTP API

***有限公司

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3	增加小程序权限接口	V1.0.0.4	水 围	2021-09-10
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7				
8				
9				
10				

1. 接口概述

1. 接口请求 URL <http://ip:port/hio/api> 中 ip 代表服务器地址或者域名, port 代表端口号;
2. 接口请求类型是 application/json;
3. 接口返回数据格式都是 json, 当 `status='ok'` 时表示接口无异常, 当 `status='error'` 时表示接口有异常, 返回数据中有详细异常错误信息提示;
4. 接口校验方式有两种, 令牌方式和密钥方式, 令牌方式适用于 web 网站等, token 有动态更新的机制, 密钥方式适用于 SDK, product_key 和 product_secret 保持不变;
5. postman 请求示例分享: <https://documenter.getpostman.com/view/8307444/T1DwbSt>

2. 接口校验

2.1 令牌

- 接口请求时, 在 Headers 中添加一组参数;
 - ◆ KEY: `Authorization`, VALUE: `token 令牌`

2.2 密钥

- 接口请求时, 在 Headers 中添加一组参数:
 - ◆ KEY: `ProductKey`, VALUE: `product_key 标识`
 - ◆ KEY: `ProductSecret`, VALUE: `product_secret 密钥`

2.3 校验方式示例

- **Web 网站建议使用方式:**
 - ◆ Headers:
 - ◆ Content-Type: application/json
 - ◆ Authorization: `token 令牌`
- **SDK 建议使用方式:**
 - ◆ Headers:
 - ◆ Content-Type: application/json
 - ◆ ProductKey: `product_key 标识`
 - ◆ ProductSecret: `product_secret 密钥`

3. 接口信息

- HTTP: <http://hioapi.shuiwei-ai.cn:3000>
- HTTPS: <https://hioapi.shuiwei-ai.cn>


```

    }
  },
  "status": "ok"
}

```

4.2 登出

- Url: http://ip:port/hio/api/account/logout
- Method: POST
- Content-Type: application/json
- 参数列表:
无
- 请求示例:
无
- 返回示例:

```

{
  "status": "ok"
}

```

4.3 更新密码

- Url: http://ip:port/hio/api/account/update_password
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	更新账号的 product_key
password	String	Y	旧密码
new_password	String	Y	新密码

- 请求示例:

```

{
  "product_key": "148f4d5f05cb463d",
  "password": "newly12345678",
  "new_password": "12345678"
}

```
- 返回示例:

```

{
  "status": "ok"
}

```


4.4 获取账号信息

- Url: http://ip:port/hio/api/account/info
- Method: GET
- Method: POST
- Content-Type: application/json
- 参数列表:

无

- 请求示例:

无

- 返回示例:

```
{
  "data": {
    "account": {
      "created_at": "2020-07-17 10:45:40",
      "company": "liyang 测试",
      "description": "liyag",
      "name": "liyang",
      "token": "eyJhbGciOiJIUzI1NiIs*****CyBmD4",
      "product_key": "148f4d5f05cb463d",
      "product_secret": "f7d565c3fe6e42e2",
      "enable_push": true,
      "device_server_host": "123.57.146.65",
      "device_server_port": "1883",
      "push_message_topic": "148f4d5f05cb463d",
      "push_message_user": "user_push",
      "push_message_passwd": "asdCXZ",
      "detect_version": 6000,
      "level": 1,
      "health_code_quota": 0,
      "device_quota": 20,
      "used_device_quota": 0,
      "email": "",
      "phone": "",
      "auth_device_uuids": "",
      "auth_reg_person": false,
      "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
      "av_app_certificate": "de2d7fda31956a7459fd4c37b9ee7ee7",
      "device_or_key": "5eec4e19654fa5da47abf645"
    }
  },
  "status": "ok"
}
```

4.5 创建账号 (管理员)

- Url: http://ip:port/hio/api/account/create
- Method: POST
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
name	String	Y	账号
password	String	Y	密码
company	String	Y	公司名称
description	String	Y	描述
detect_version	Int	Y	算法版本
device_quota	Int	N	设备额度, 默认=10

- 请求示例:

```
{
  "name": "swtest",
  "password": "12345678",
  "company": "测试",
  "description": "账号演示",
  "detect_version": 6000
}
```

- 返回示例:

```
{
  "data": {
    "account": {
      "created_at": "2021-10-25 14:11:36",
      "company": "测试",
      "description": "账号演示",
      "name": "swtest",
      "token": "eyJhbGciOiJIUz*****qh1l8Z050e9FC6uaEum6uEqk",
      "product_key": "f5b6e18e2ee5409b",
      "product_secret": "28cce56916db433c",
      "enable_push": false,
      "device_server_host": "",
      "device_server_port": "",
      "push_message_topic": "",
      "push_message_user": "",
      "push_message_passwd": "",
      "detect_version": 6000,
      "level": 1,
      "health_code_quota": 0,
      "device_quota": 10,
      "used_device_quota": 0,
    }
  }
}
```

```

        "email": "",
        "phone": "",
        "auth_device_uuids": "",
        "auth_reg_person": false,
        "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
        "av_app_certificate": "de2d7fda31956a7459fd4c37b9ee7ee7",
        "device_or_key": "393d3f114e7746dabef5b320"
    }
},
"status": "ok"
}

```

4.6 重置账号密码 (管理员)

- Url: http://ip:port/hio/api/accounts/reset_password
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	待重置账号的 product_key
password	String	Y	新密码

- 请求示例:


```

{
    "product_key": "148f4d5f05cb463d",
    "password": "12345678"
}

```
- 返回示例:


```

{
    "status": "ok"
}

```

4.7 删除账号 (管理员)

- Url: http://ip:port/hio/api/account/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	删除账号的 product_key

- 请求示例:


```

{
    "product_key": "7756cb96cd6a4c51"
}

```

- 返回示例:

```
{
  "status": "ok"
}
```

4.8 更新推送配置 (管理员)

- Url: http://ip:port/hio/api/account/update_push
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	更新账号的 product_key
enable_push	bool	Y	启用消息推送
device_server_host	String	Y	通行记录推送服务 IP
device_server_port	String	Y	通行记录推送服务端口
push_message_topic	String	Y	通行记录推送用户名
push_message_user	String	Y	通行记录推送用户密码
push_message_passwd	String	Y	通行记录推送主题

- 请求示例:

```
{
  "product_key": "148f4d5f05cb463d",
  "enable_push": true,
  "device_server_host": "123.57.146.65",
  "device_server_port": "1883",
  "push_message_topic": "148f4d5f05cb463d",
  "push_message_user": "user_push",
  "push_message_passwd": "asdCXZ"
}
```

- 返回示例:

```
{
  "status": "ok"
}
```

4.9 更新账号资料 (管理员)

- Url: http://ip:port/hio/api/account/update
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	更新账号的 product_key

company	String	Y	公司名称
description	String	Y	公司描述
detect_version	Int	Y	算法版本号
device_quota	Int	N	设备额度, 默认=10

- 请求示例:

```
{
  "product_key": "f5b6e18e2ee5409b",
  "company": "swai",
  "description": "接口示例演示",
  "detect_version": 6000
}
```

- 返回示例:

```
{
  "data": {
    "account": {
      "created_at": "2021-10-25 14:11:36",
      "company": "swai",
      "description": "接口示例演示",
      "name": "swtest",
      "token": "eyJhbGciOi*****9d0YDQsIDwUhkiQ0JNQRGyZc",
      "product_key": "f5b6e18e2ee5409b",
      "product_secret": "28cce56916db433c",
      "enable_push": false,
      "device_server_host": "",
      "device_server_port": "",
      "push_message_topic": "",
      "push_message_user": "",
      "push_message_passwd": "",
      "detect_version": 6000,
      "level": 1,
      "health_code_quota": 0,
      "device_quota": 0,
      "used_device_quota": 0,
      "email": "",
      "phone": "",
      "auth_device_uuids": "",
      "auth_reg_person": false,
      "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
      "av_app_certificate": "de2d7fda31956a7459fd4c37b9ee7ee7",
      "device_or_key": ""
    }
  },
  "status": "ok"
}
```

4.10 获取账号列表 (管理员)

- Url: http://ip:port/hio/api/account/list
- Method: GET
- Method: POST
- Content-Type: application/json
- 参数列表:

Params	Type	Behoove	Explanation
page	String	N	当期页码, 默认为 1
per_page	String	N	每页记录数, 默认 10
name	String	N	账号名称, 默认全部
product_key	String	N	账号 product_key, 默认全部
company	String	N	公司名称, 默认全部

- 请求示例:

无

- 返回示例:

```
{
  "data": {
    "accounts": [
      {
        "created_at": "2020-07-17 10:45:40",
        "company": "liyang 测试",
        "description": "",
        "name": "liyang",
        "token": "eyJhbGciOi*****61zk",
        "product_key": "148f4d5f05cb463d",
        "product_secret": "f7d565c3fe6e42e2",
        "is_admin": false,
        "enable_push": true,
        "device_server_host": "123.57.146.65",
        "device_server_port": "1883",
        "push_message_topic": "148f4d5f05cb463d",
        "push_message_user": "user_push",
        "push_message_passwd": "asdCXZ",
        "detect_version": 1001
      },
      {
        "created_at": "2020-07-17 10:21:01",
        "company": "超级管理员",
        "description": "super admin",
        "name": "admin",
        "token": "eyJhbGciOi*****6ZnmKimMUBVWpY",
        "product_key": "19fccd26af234791",
        "product_secret": "bb21153d067446d5",
        "is_admin": true,
      }
    ]
  }
}
```

```

        "enable_push": false,
        "device_server_host": "127.0.0.1",
        "device_server_port": "1883",
        "push_message_topic": "topic",
        "push_message_user": "user",
        "push_message_passwd": "12345678",
        "detect_version": 1001
    }
}
},
"status": "ok"
}

```

5. 小程序账号

5.1 创建小程序账号（普通会员）

- Url: http://ip:port/hio/api/account/secondary/create
- Method: POST
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
name	String	Y	账号
password	String	Y	密码
phone	String	Y	手机号码
email	String	N	邮箱地址
company	String	N	公司名称
detect_version	String	N	检测版本, 取主账号的值
auth_enable	Bool	Y	授权设备
_auth_device_uuids	Array	N	当 auth_enable=false,授权设备列表
auth_reg_person	Bool	Y	授权注册
device_or_key	String	N	设备密钥, 取主账号的值
description	String	N	描述

- 请求示例:

```

{
    "name": "18740396755",
    "password": "12345678",
    "email": "scient00@163.com",
    "phone": "18740396755",
    "auth_enable": true,
    "_auth_device_uuids": [],

```

```

        "auth_reg_person":true
    }
}
● 返回示例:
{
    "data": {
        "sub_account": {
            "created_at": "2022-08-10 17:08:04",
            "company": "OUYA",
            "description": "",
            "name": "18740396755",
            "token": "eyJhbGciOiJIUz*****MLItLL7QrA",
            "product_key": "d6f7b69f6a6a4c89",
            "product_secret": "6ec09c42b3bf40fc",
            "level": 2,
            "email": "scient00@163.com",
            "phone": "18740396755",
            "auth_enable": true,
            "auth_device_uuids": "",
            "auth_reg_person": true,
            "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
            "av_app_certificate": "de2d7fda31956a7459fd4c37b9ee7ee7",
            "device_or_key": "5eec4e19654fa5da47abf645"
        }
    },
    "status": "ok"
}

```

5.2 更新小程序账号资料 (普通会员)

- Url: <http://ip:port/hio/api/account/secondary/update>
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	更新小程序账号的 product_key
product_secret	String	Y	更新小程序账号的 product_key
phone	String	Y	手机号码
email	String	Y	邮箱地址
company	String	Y	公司名称
detect_version	String	Y	检测版本, 取主账号的值
auth_enable	Bool	Y	授权设备
_auth_device_uuids	Array	N	当 auth_enable=false,授权设备列表

auth_reg_person	Bool	N	授权注册
description	String	Y	描述

- 请求示例:

```
{
  "product_key": "d6f7b69f6a6a4c89",
  "product_secret": "6ec09c42b3bf40fc",
  "company": "OUYA",
  "description": "",
  "detect_version": 6000,
  "email": "scient00@163.com",
  "phone": "18740396755",
  "auth_enable": true,
  "_auth_device_uuids": [],
  "auth_reg_person": true
}
```

- 返回示例:

```
{
  "data": {
    "sub_account": {
      "created_at": "2022-08-10 17:08:04",
      "company": "OUYA",
      "description": "",
      "name": "18740396755",
      "token": "eyJhbGciOiJI**J9.c511lg9yeb5FIT2Z0XCn9y9RxpVY1XmrNVLP4Ar9A",
      "product_key": "d6f7b69f6a6a4c89",
      "product_secret": "6ec09c42b3bf40fc",
      "level": 2,
      "email": "scient00@163.com",
      "phone": "18740396755",
      "auth_enable": true,
      "auth_device_uuids": "",
      "auth_reg_person": true,
      "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
      "av_app_certificate": "de2d7fda31956a7459fd4c37b9ee7ee7",
      "device_or_key": "5eec4e19654fa5da47abf645"
    }
  },
  "status": "ok"
}
```

5.3 重置小程序账号密码 (普通会员)

- Url: http://ip:port/hio/api/account/secondary/reset_password
- Method: PUT
- Content-Type: application/json

- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	待重置账号的 product_key
new_password	String	Y	新密码

- 请求示例:

```
{
  "product_key": "d6f7b69f6a6a4c89",
  "new_password": "12345678"
}
```

- 返回示例:

```
{
  "status": "ok"
}
```

5.4 刷新小程序设备秘钥 (普通会员)

- Url: http://ip:port/hio/api/account/secondary/refresh_secret
- Method: PUT
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	待刷新账号的 product_key

- 请求示例:

```
{
  "product_key": "d6f7b69f6a6a4c89"
}
```

- 返回示例:

```
{
  "status": "ok"
}
```

5.5 删除小程序账号 (普通会员)

- Url: http://ip:port/hio/api/account/secondary/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

Body raw	Type	Behoove	Explanation
product_key	String	Y	待删除小程序账号的 product_key

- 请求示例:

```
{
  "product_key": "d6f7b69f6a6a4c89"
}
```

- 返回示例:
- ```

{
 "status": "ok"
}

```

## 5.6 获取小程序账号列表 (普通会员)

- Url: http://ip:port/hio/api/account/secondary/list
- Method: GET
- Method: POST
- Content-Type: application/json
- 参数列表:

| Params   | Type   | Behoove | Explanation  |
|----------|--------|---------|--------------|
| page     | String | N       | 当期页码, 默认为 1  |
| per_page | String | N       | 每页记录数, 默认 10 |

- 请求示例:

无

- 返回示例:

```

{
 "data": {
 "sub_accounts": [
 {
 "created_at": "2021-10-18 15:00:20",
 "company": "liyang 测试",
 "description": "desc 试试水",
 "name": "15225004026",
 "token": "eyJhbGc*****f0YaRH9-LzYhBLq2no1mut9YVnaKFeOn47P_iNFLGRY",
 "product_key": "d28a370130244671",
 "product_secret": "61438387e77c4278",
 "level": 2,
 "email": "15225@qq.com",
 "phone": "15225004026",
 "auth_enable": true,
 "auth_device_uuids": "",
 "auth_reg_person": true,
 "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
 "av_app_certificate": "",
 "device_or_key": "253a4b3d5d52d7f5876d57e4"
 },
 {
 "created_at": "2022-04-05 10:50:57",
 "company": "OUYA",

```

```

 "description": "",
 "name": "15301600182",
 "token": "e*****vLWFwaSJ9.f74d65SD_mnxRMatbrswcgsZ578oNyV0rcvBUBe91i0",
 "product_key": "dabef3dbb8d24250",
 "product_secret": "7de8f08e3447491b",
 "level": 2,
 "email": "",
 "phone": "",
 "auth_enable": true,
 "auth_device_uuids": "",
 "auth_reg_person": true,
 "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
 "av_app_certificate": "",
 "device_or_key": ""
 }
}
],
},
"status": "ok"
}

```

## 6. 用户自定义字段

### 6.1 创建字段

- Url: [http://ip:port/hio/api/account\\_custom/create](http://ip:port/hio/api/account_custom/create)
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw     | Type   | Behoove | Explanation          |
|--------------|--------|---------|----------------------|
| attr_pos     | Int    | Y       | 参数 ID, 递增, 最大 15 个参数 |
| attr_name_en | String | Y       | 参数名                  |
| attr_name    | String | Y       | 字段名称                 |
| attr_type    | String | Y       | 字段类型, =string        |
| val_exist    | Bool   | Y       | 是否 必选                |

- 请求示例:

```

{
 "attr_pos":1,
 "attr_name_en":"card",
 "attr_name": "卡号",
 "attr_type":"string",
 "val_exist":false
}

```

- 返回示例:

```
{
 "data": {
 "account_custom": {
 "created_at": "2021-10-25 14:28:29",
 "custom_uuid": "5d337784a5604d86",
 "attr_name_en": "card",
 "attr_name": "卡号",
 "attr_type": "string",
 "val_exist": false,
 "attr_pos": 1,
 "refer_model": "person"
 }
 },
 "status": "ok"
}
```

## 6.2 更新字段

- Url: http://ip:port/hio/api/account\_custom/update
- Method: PUT
- Content-Type: application/json
- 参数列表:

| Body raw     | Type   | Behoove | Explanation   |
|--------------|--------|---------|---------------|
| attr_pos     | Int    | Y       | 参数 ID         |
| attr_name_en | String | Y       | 参数名           |
| attr_name    | String | Y       | 字段名称          |
| attr_type    | String | Y       | 字段类型, =string |
| val_exist    | Bool   | Y       | 是否必选          |

- 请求示例:

```
{
 "attr_pos":1,
 "attr_name_en":"card",
 "attr_name": "卡号",
 "attr_type":"string",
 "val_exist":false
}
```

- 返回示例:

```
{
 "data": {
 "account_custom": {
 "created_at": "2021-10-25 14:28:29",
```

```

 "custom_uuid": "5d337784a5604d86",
 "attr_name_en": "card",
 "attr_name": "卡号",
 "attr_type": "string",
 "val_exist": false,
 "attr_pos": 1,
 "refer_model": "person"
 }
},
"status": "ok"
}

```

### 6.3 获取字段列表

- Url: http://ip:port/hio/api/account\_custom/list
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params   | Type   | Behoove | Explanation  |
|----------|--------|---------|--------------|
| page     | String | N       | 当期页码, 默认为 1  |
| per_page | String | N       | 每页记录数, 默认 10 |

- 请求示例:

无

- 返回示例:

```

{
 "data": {
 "account_customs": [
 {
 "created_at": "2021-10-25 14:28:29",
 "custom_uuid": "5d337784a5604d86",
 "attr_name_en": "card",
 "attr_name": "卡号",
 "attr_type": "string",
 "val_exist": false,
 "attr_pos": 1,
 "refer_model": "person"
 },
 {
 "created_at": "2021-10-25 14:33:15",
 "custom_uuid": "27622259cf714698",
 "attr_name_en": "id",
 "attr_name": "编号",
 "attr_type": "string",
 "val_exist": false,
 "attr_pos": 2,

```

```

 "refer_model": "person"
 }
]
},
"status": "ok"
}

```

## 6.4 删除字段

- Url: http://ip:port/hio/api/account\_custom/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

| Body raw | Type | Behoove | Explanation |
|----------|------|---------|-------------|
| attr_pos | Int  | Y       | 待删除字段的参数 ID |

- 请求示例:

```

{
 "attr_pos": 2
}

```

- 返回示例:

```

{
 "status": "ok"
}

```

## 7. 用户管理

### 7.1 创建用户

- Url: http://ip:port/hio/api/person/create
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw     | Type   | Behoove | Explanation        |
|--------------|--------|---------|--------------------|
| name         | String | Y       | 用户名称               |
| image_base64 | String | Y       | Base64 字符串         |
| age          | int    | N       | 年龄                 |
| gender       | int    | N       | 性别: 0=未知, 1=男, 2=女 |
| ext_items    | Array  | N       | 自定义参数列表            |

- 请求示例:

```

{
 "name": "sample",
 "age": 100,
 "gender": 1,
 "ext_items": [
 {
 "attr_pos": 1,
 "attr_val": "1100",
 "custom_uuid": "5d337784a5604d86"
 }
],
 "image_base64": "/9j/4AAQSkZJRgABAQAAQ***J/9k="
}

```

- 返回示例:

```

{
 "data": {
 "person": {
 "created_at": "2021-10-25 14:45:36",
 "name": "sample",
 "phone": "",
 "age": 100,
 "gender": 1,
 "person_uuid": "4ef3393ad2054948",
 "kind": 1,
 "product_key": "f5b6e18e2ee5409b",
 "ext_items": [
 {
 "custom_uuid": "5d337784a5604d86",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": "1100"
 }
],
 "images": [
 {
 "image_uuid": "530533fee4d8499c",
 "img_width": 0,
 "img_height": 0,
 "image_url": "https://hioapi.shuiwei-ai.cn/public/new_images/2021-10-25/530533fee4d8499c"
 }
]
 }
 },
 "status": "ok"
}

```

## 7.2 更新用户



- Url: http://ip:port/hio/api/person/update
- Method: PUT
- Content-Type: application/json
- 参数列表:

| Body raw     | Type   | Behoove | Explanation       |
|--------------|--------|---------|-------------------|
| person_uuid  | String | Y       | 更新用户的 UUID        |
| name         | String | N       | 用户名称              |
| image_base64 | String | N       | Base64 字符串        |
| age          | int    | N       | 年龄                |
| gender       | int    | N       | 性别: 0=未知,1=男, 2=女 |
| ext_items    | Array  | N       | 自定义参数列表           |

- 请求示例:

```
{
 "name": "sample",
 "age": 50,
 "gender": 1,
 "ext_items": [
 {
 "attr_pos": 1,
 "attr_val": "1100",
 "custom_uuid": "5d337784a5604d86"
 }
],
 "image_base64": "/9j/4AAQSkZJRgABAQAAQ***J/9k="
}
```

- 返回示例:

```
{
 "data": {
 "person": {
 "created_at": "2021-10-25 14:45:36",
 "name": "sample",
 "phone": "",
 "age": 50,
 "gender": 1,
 "person_uuid": "4ef3393ad2054948",
 "kind": 1,
 "product_key": "f5b6e18e2ee5409b",
 "ext_items": [
 {
 "custom_uuid": "5d337784a5604d86",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": "1100"
 }
]
 }
 }
}
```

```

],
 "images": [
 {
 "image_uuid": "64bb0b17a432479c",
 "img_width": 0,
 "img_height": 0,
 "image_url": "https://hioapi.shuiwei-ai.cn/public/new_images/2021-10-25/64bb0b17a432479c"
 }
]
},
"status": "ok"
}

```

### 7.3 删除用户

- Url: `http://ip:port/hio/api/person/delete`
- Method: DELETE
- Content-Type: `application/json`
- 参数列表:

| Body raw                 | Type   | Behoove | Explanation      |
|--------------------------|--------|---------|------------------|
| <code>person_uuid</code> | String | Y       | 删除用户 UUID        |
| <code>is_force</code>    | Bool   | N       | 是否强制删除, 默认 false |
| <code>is_hard</code>     | Bool   | N       | 默认 false         |

- 请求示例:

```

{
 "person_uuid": "472d1c04297f4659",
 "is_force": true,
 "is_hard": true
}

```

- 返回示例:

```

{
 "data": null,
 "status": "ok"
}

```

### 7.4 用户详情

- Url: `http://ip:port/hio/api/person/show`
- Method: GET
- Content-Type: `application/json`
- 参数列表:

| Params      | Type   | Behoove | Explanation |
|-------------|--------|---------|-------------|
| person_uuid | String | Y       | 用户 UUID     |

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "Person": {
 "created_at": "2021-10-25 14:45:36",
 "name": "sample",
 "phone": "",
 "age": 50,
 "gender": 1,
 "person_uuid": "4ef3393ad2054948",
 "kind": 1,
 "product_key": "f5b6e18e2ee5409b",
 "ext_items": [
 {
 "custom_uuid": "5d337784a5604d86",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": "1100"
 }
],
 "images": [
 {
 "image_uuid": "c30b45a2676b4c5d",
 "img_width": 0,
 "img_height": 0,
 "image_url": "https://hioapi.shuiwei-ai.cn/public/new_images/2021-10-25/c30b45a2676b4c5d"
 }
]
 }
 },
 "status": "ok"
}
```

## 7.5 获取用户列表

- Url: <http://ip:port/hio/api/person/list>
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params      | Type   | Behoove | Explanation   |
|-------------|--------|---------|---------------|
| person_uuid | String | N       | 用户 UUID, 默认全部 |
| name        | String | N       | 用户名称, 默认全部    |
| page        | String | N       | 当期页码, 默认为 1   |
| per_page    | String | N       | 每页记录数, 默认 10  |

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "people": [
 {
 "created_at": "2021-10-25 14:51:36",
 "name": "sample",
 "phone": "",
 "age": 100,
 "gender": 1,
 "person_uuid": "4638f9431e2747a5",
 "kind": 1,
 "product_key": "f5b6e18e2ee5409b",
 "ext_items": [
 {
 "custom_uuid": "5d337784a5604d86",
 "attr_name": "卡号",
 "attr_pos": 1,
 "attr_val": "1100"
 }
],
 "images": [
 {
 "image_uuid": "6cdb1076fc214d96",
 "img_width": 0,
 "img_height": 0,
 "image_url": "https://hioapi.shuiwei-ai.cn/public/new_images/2021-10-25/6cdb1076fc214d96"
 }
]
 },
 {
 "created_at": "2021-10-25 14:45:36",
 "name": "sample",
 "phone": "",
 "age": 50,
 "gender": 1,
 "person_uuid": "4ef3393ad2054948",
```

```

 "kind": 1,
 "product_key": "f5b6e18e2ee5409b",
 "ext_items": [
 {
 "custom_uuid": "5d337784a5604d86",
 "attr_name": "卡号",
 "attr_pos": 1,
 "attr_val": "1100"
 }
],
 "images": [
 {
 "image_uuid": "c30b45a2676b4c5d",
 "img_width": 0,
 "img_height": 0,
 "image_url": "https://hioapi.shuiwei-ai.cn/public/new_images/202
1-10-25/c30b45a2676b4c5d"
 }
]
 },
 "status": "ok"
}

```

## 8. 用户组管理

### 8.1 创建用户组

- Url: `http://ip:port/hio/api/group/create`
- Method: POST
- Content-Type: `application/json`
- 参数列表:

| Body raw                 | Type   | Behoove | Explanation |
|--------------------------|--------|---------|-------------|
| <code>name</code>        | String | Y       | 用户组名称       |
| <code>group_uuid</code>  | String | N       | 默认系统自动生成    |
| <code>description</code> | String | N       | 用户组说明       |

- 请求示例:

```

{
 "name": "测试部门",
 "description": "测试部门员工"
}

```

- 返回示例:

```
{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:29",
 "name": "测试部门",
 "description": "测试部门员工",
 "group_uuid": "ea220f2ee0534699",
 "people_count": 0
 }
 },
 "status": "ok"
}
```

## 8.2 更新用户组

- Url: http://ip:port/hio/api/group/update
- Method: PUT
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation |
|-------------|--------|---------|-------------|
| group_uuid  | String | Y       | 用户组 UUID    |
| name        | String | N       | 用户组名称       |
| description | String | N       | 用户组说明       |

- 请求示例:

```
{
 "group_uuid": "ea220f2ee0534699",
 "name": "修改测试部门",
 "description": "测试部门员工"
}
```

- 返回示例:

```
{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:29",
 "name": "修改测试部门",
 "description": "测试部门员工",
 "group_uuid": "ea220f2ee0534699",
 "people_count": 0
 }
 },
 "status": "ok"
}
```

### 8.3 删除用户组

- Url: http://ip:port/hio/api/group/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

| Body raw   | Type   | Behoove | Explanation |
|------------|--------|---------|-------------|
| group_uuid | String | Y       | 用户组 UUID    |

- 请求示例:

```
{
 "group_uuid": "ea220f2ee0534699"
}
```
- 返回示例:

```
{
 "status": "ok"
}
```

### 8.4 获取用户组列表

- Url: http://ip:port/hio/api/group/list
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params     | Type   | Behoove | Explanation      |
|------------|--------|---------|------------------|
| group_uuid | String | N       | 查询用户组 UUID, 默认全部 |
| name       | String | N       | 用户组名称, 默认全部      |
| page       | String | N       | 当期页码, 默认为 1      |
| per_page   | String | N       | 每页记录数, 默认 10     |

- 请求示例:  
无
- 返回示例:

```
{
 "data": {
 "groups": [
 {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",
 "description": "",
 "group_uuid": "1bdff35e297d480f",
 "people_count": 0
 }
]
 }
}
```

```

 "created_at": "2020-08-03 15:52:23",
 "name": "测试",
 "description": "ewkss.nd",
 "group_uuid": "86580c66d2cd405d",
 "people_count": 0
 },
 {
 "created_at": "2020-07-17 11:15:29",
 "name": "工作组",
 "description": "工作人员",
 "group_uuid": "bbd8461e6f484b9e",
 "people_count": 3744
 }
]
},
"status": "ok"
}

```

## 8.5 用户组详情

- Url: http://ip:port/hio/api/group/show
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params     | Type   | Behoove | Explanation |
|------------|--------|---------|-------------|
| group_uuid | String | Y       | 查询用户组 UUID  |

- 请求示例:

无

- 返回示例:

```

{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",
 "description": "",
 "group_uuid": "1bdff35e297d480f",
 "people_count": 0
 }
 },
 "status": "ok"
}

```

## 8.6 用户组增加用户

- Url: http://ip:port/hio/api/group/add\_people
- Method: POST
- Content-Type: application/json



- 参数列表:

| Body raw     | Type     | Behoove | Explanation     |
|--------------|----------|---------|-----------------|
| group_uuid   | String   | Y       | 用户组 UUID        |
| person_uuids | String[] | Y       | 用户 uuid, 多个逗号隔开 |

- 请求示例:

```
{
 "group_uuid": "1bdf35e297d480f",
 "person_uuids": ["2f8198404bc04b83", "b845376e9d174492", "732c03dc1bdb473c"]
}
```

- 返回示例:

```
{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",
 "description": "",
 "group_uuid": "1bdf35e297d480f",
 "people_count": 3
 }
 },
 "status": "ok"
}
```

## 8.7 用户组删除用户

- Url: http://ip:port/hio/api/group/remove\_people
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw     | Type     | Behoove | Explanation     |
|--------------|----------|---------|-----------------|
| group_uuid   | String   | Y       | 用户组 UUID        |
| person_uuids | String[] | Y       | 用户 UUID, 多个逗号隔开 |

- 请求示例:

```
{
 "group_uuid": "1bdf35e297d480f",
 "person_uuids": ["2f8198404bc04b83", "b845376e9d174492", "732c03dc1bdb473c"]
}
```

- 返回示例:

```
{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",

```

```

 "description": "",
 "group_uuid": "1bdff35e297d480f",
 "people_count": 0
 }
},
"status": "ok"
}

```

## 8.8 用户组用户列表

- Url: http://ip:port/hio/api/group/people\_list
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params      | Type   | Behoove | Explanation    |
|-------------|--------|---------|----------------|
| group_uuid  | String | Y       | 用户组 UUID       |
| person_uuid | String | N       | 用户 UUID , 默认全部 |
| name        | String | N       | 用户名称 , 默认全部    |
| page        | String | N       | 当期页码, 默认为 1    |
| per_page    | String | N       | 每页记录数, 默认 10   |

- 请求示例:

无

- 返回示例:

```

{
 "data": {
 "people": [
 {
 "created_at": "2020-07-17 11:35:22",
 "name": "郭碧华",
 "phone": "",
 "age": 0,
 "gender": 0,
 "person_uuid": "2f8198404bc04b83",
 "product_key": "148f4d5f05cb463d",
 "ext_items": [
 {
 "custom_uuid": "9036632985124b7c",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": ""
 },
 {
 "custom_uuid": "3ed5670e76884a21",
 "attr_name": "",
 "attr_pos": 2,
 "attr_val": ""
 }
]
 }
]
 }
}

```

```

 }
],
 "images": [
 {
 "image_uuid": "b05c3ff015c645d6",
 "img_width": 168,
 "img_height": 240,
 "image_url": "http://120.92.153.151:3000/public/images/b0
5c3/b05c3ff015c645d6"
 }
]
},
{
 "created_at": "2020-07-17 11:35:22",
 "name": "郭蓓宁",
 "phone": "",
 "age": 0,
 "gender": 0,
 "person_uuid": "b845376e9d174492",
 "product_key": "148f4d5f05cb463d",
 "ext_items": [
 {
 "custom_uuid": "9036632985124b7c",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": ""
 },
 {
 "custom_uuid": "3ed5670e76884a21",
 "attr_name": "",
 "attr_pos": 2,
 "attr_val": ""
 }
],
 "images": [
 {
 "image_uuid": "37ed84b3f6c44f03",
 "img_width": 150,
 "img_height": 200,
 "image_url": "http://120.92.153.151:3000/public/images/37
ed8/37ed84b3f6c44f03"
 }
]
},
{
 "created_at": "2020-07-17 11:35:22",
 "name": "郭宝琪",
 "phone": "",
 "age": 0,
 "gender": 0,
 "person_uuid": "732c03dc1bdb473c",
 "product_key": "148f4d5f05cb463d",
 "ext_items": [
 {

```

```

 "custom_uuid": "9036632985124b7c",
 "attr_name": "",
 "attr_pos": 1,
 "attr_val": ""
 },
 {
 "custom_uuid": "3ed5670e76884a21",
 "attr_name": "",
 "attr_pos": 2,
 "attr_val": ""
 }
],
"images": [
 {
 "image_uuid": "0fee54663d55408a",
 "img_width": 168,
 "img_height": 240,
 "image_url": "http://120.92.153.151:3000/public/images/0f
ee5/0fee54663d55408a"
 }
]
}
},
"status": "ok"
}

```

## 8.9 用户组增加所有用户

- Url: http://ip:port/hio/api/group/add\_all\_people
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw   | Type   | Behoove | Explanation |
|------------|--------|---------|-------------|
| group_uuid | String | Y       | 用户组 UUID    |

- 请求示例:

```

{
 "group_uuid": "1bdff35e297d480f"
}

```

- 返回示例:

```

{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",
 "description": "",
 "group_uuid": "1bdff35e297d480f",
 "people_count": 3742
 }
 },
}

```

```

 "status": "ok"
}

```

## 8.10 清空用户组用户

- Url: http://ip:port/hio/api/group/clear\_people
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw   | Type   | Behoove | Explanation |
|------------|--------|---------|-------------|
| group_uuid | String | Y       | 用户组 UUID    |

- 请求示例:

```

{
 "group_uuid": "1bdff35e297d480f"
}

```

- 返回示例:

```

{
 "data": {
 "group": {
 "created_at": "2020-08-03 15:58:58",
 "name": "测试部门",
 "description": "",
 "group_uuid": "1bdff35e297d480f",
 "people_count": 0
 }
 },
 "status": "ok"
}

```

## 9. 广告管理

### 9.1 创建广告

- Url: http://ip:port/hio/api/device/advertise/create
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw       | Type   | Behoove | Explanation   |
|----------------|--------|---------|---------------|
| advertise_name | String | Y       | 广告名称          |
| advertise_uuid | String | N       | 广告 ID, 默认自动生成 |
| display_text   | String | N       | 显示文字          |
| enable         | Bool   | N       | 是否启用, 默认启用    |

- 请求示例:

```
{
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "enable": true
}
```

- 返回示例:

```
{
 "data": {
 "advertise": {
 "advertise_uuid": "0bade86cf6e240c9",
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "material_file": null,
 "product_key": "f5b6e18e2ee5409b",
 "enable": false
 }
 },
 "status": "ok"
}
```

## 9.2 更新广告

- Url: http://ip:port/hio/api/device/advertise/update
- Method: PUT
- Content-Type: application/json
- 参数列表:

| Body raw       | Type   | Behoove | Explanation |
|----------------|--------|---------|-------------|
| advertise_uuid | String | Y       | 广告 ID       |
| advertise_name | String | N       | 广告名称        |
| display_text   | String | N       | 显示文字        |
| enable         | Bool   | N       | 是否启用, 默认启用  |

- 请求示例:

```
{
 "advertise_uuid": "0bade86cf6e240c9",
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "enable": true
}
```

- 返回示例:

```
{
 "data": {
 "advertise": {
 "advertise_uuid": "0bade86cf6e240c9",
```

```

 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "material_file": null,
 "product_key": "f5b6e18e2ee5409b",
 "enable": true
 },
 "status": "ok"
}

```

### 9.3 上传素材

- Url: http://ip:port/hio/api/file\_resources/upload
- Method: POST
- Content-Type: **multipart/form-data**
- 参数列表:

| Body raw  | Type   | Behoove | Explanation |
|-----------|--------|---------|-------------|
| file      | File   | Y       | 素材          |
| file_type | String | Y       | = advertise |

- 请求示例:

- 返回示例:

```

{
 "data": {
 "file_resource": {
 "file_uuid": "73e1d72711b14624",
 "file_name": "abstract.png",
 "file_size": 1517.29,
 "file_md5": "4d77f4d388f347e7289154e9929e82a0",
 "file_url": "https://hioapi.shuiwei-ai.cn/public/advertise/f5b6e18e2ee5409b/73e1d72711b14624",
 "product_key": "f5b6e18e2ee5409b"
 }
 },
 "status": "ok"
}

```

### 9.4 广告添加素材

- Url: http://ip:port/hio/api/device/advertise/update\_materials
- Method: POST
- Content-Type: application/json

- 参数列表:

| Body raw       | Type   | Behoove | Explanation                   |
|----------------|--------|---------|-------------------------------|
| advertise_uuid | String | Y       | 广告 ID                         |
| material_uuid  | String | Y       | 素材 ID, 对应上传素材接口返回的 file_uuid  |
| type           | Int    | N       | 素材类型,1=logo,2=图片,3=视频,默认=2 图片 |

- 请求示例:

```
{
 "advertise_uuid": "8d70106f06f04b33",
 "materials": [
 {
 "type": 1,
 "material_uuid": "73e1d72711b14624"
 }
]
}
```

- 返回示例:

```
{
 "data": {
 "advertise": {
 "advertise_uuid": "8d70106f06f04b33",
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "material_file": [
 {
 "type": 1,
 "material_uuid": "73e1d72711b14624",
 "material_file_url": "https://hioapi.shuiwei-ai.cn/public/advertise/f5b6e18e2ee5409b/73e1d72711b14624"
 }
],
 "product_key": "f5b6e18e2ee5409b",
 "enable": false
 }
 },
 "status": "ok"
}
```

## 9.5 广告删除素材

- Url: [http://ip:port/hio/api/device/advertise/material\\_del](http://ip:port/hio/api/device/advertise/material_del)
- Method: POST



- Content-Type: application/json

- 参数列表:

| Body raw       | Type   | Behoove | Explanation |
|----------------|--------|---------|-------------|
| advertise_uuid | String | Y       | 广告 ID       |
| material_uuids | Array  | Y       | 素材 ID 数组    |

- 请求示例:

```
{
 "advertise_uuid": "8af3bde9e06b2b00",
 "material_uuids": ["2f8198404bc04b83", "732c03dc1bdb473c"]
}
```

- 返回示例:

```
{
 "status": "ok"
}
```

## 9.6 删除广告

- Url: http://ip:port/hio/api/device/advertise/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

| Body raw       | Type   | Behoove | Explanation |
|----------------|--------|---------|-------------|
| advertise_uuid | String | Y       | 广告 ID       |
|                |        |         |             |

- 请求示例:

```
{
 "advertise_uuid": "86dcaff66663416b"
}
```

- 返回示例:

```
{
 "status": "ok"
}
```

## 9.7 获取广告列表

- Url: http://ip:port/hio/api/device/advertise/list
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params         | Type   | Behoove | Explanation  |
|----------------|--------|---------|--------------|
| advertise_name | String | N       | 广告名称, 默认全部   |
| advertise_uuid | String | N       | 广告 ID, 默认全部  |
| page           | String | N       | 当期页码, 默认为 1  |
| per_page       | String | N       | 每页记录数, 默认 10 |

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "advertises": [
 {
 "advertise_uuid": "5bc5af4d26314618",
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "material_file": [
 {
 "type": 1,
 "material_uuid": "73e1d72711b14624",
 "material_file_url": "https://hioapi.shuiwei-ai.cn/public/advertise/f5b6e18e2ee5409b/73e1d72711b14624"
 }
],
 "product_key": "f5b6e18e2ee5409b",
 "enable": false
 },
 {
 "advertise_uuid": "0bade86cf6e240c9",
 "advertise_name": "演示广告",
 "display_text": "显示文字",
 "material_file": null,
 "product_key": "f5b6e18e2ee5409b",
 "enable": true
 }
]
 },
 "status": "ok"
}
```

## 10. 设备管理

### 10.1 获取设备列表

- Url: <http://ip:port/hio/api/device/list>

- Method: GET
- Content-Type: application/json
- 参数列表:

| Params      | Type   | Behoove | Explanation                                               |
|-------------|--------|---------|-----------------------------------------------------------|
| device_uuid | String | N       | 设备 UUID,, 默认全部                                            |
| name        | String | N       | 设备名称, 默认全部                                                |
| mac_address | String | N       | 设备 mac 地址, 默认全部                                           |
| online      | Int    | N       | 是否在线, 默认不限                                                |
| device_type | Int    | N       | 设备类型, 1=android 平板, 2=linux 平板, 3=抓拍机, 4=广告机, 5=人证机, 默认全部 |
| page        | String | N       | 当期页码, 默认为 1                                               |
| per_page    | String | N       | 每页记录数, 默认 10                                              |

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "devices": [
 {
 "product_key": "148f4d5f05cb463d",
 "created_at": "2021-10-18 23:05:05",
 "mac_address": "70:4a:0e:e6:8c:9c",
 "device_uuid": "80bf9ea7d39c49b5",
 "company": "",
 "name": "二维码设备",
 "device_type": 1,
 "place": "",
 "description": "",
 "ip": "192.168.1.38",
 "port": "",
 "online": true,
 "last_connect_time": "2021-10-25 08:10:17",
 "device_version": 1002,
 "app_version": "1.0.1.87",
 "similarity_threshold": 70,
 "temperature_mode": "Celsius",
 "temperature_threshold": 37.5,
 "temperature_compensation": 0,
 "recognition_distance": 1,
 "facemask_model": false,
 "voice_broadcast": true,
 "volume": 70,
 }
]
 }
}
```

```

 "recog_distance": 0,
 "control_mode": "relay",
 "feature_mode": 1,
 "fill_light": false,
 "custom_info": "",
 "people_count": 23
 },
 {
 "product_key": "148f4d5f05cb463d",
 "created_at": "2021-10-16 16:19:53",
 "mac_address": "b0:02:47:7f:53:89",
 "device_uuid": "940cfed25e924eb7",
 "company": "上海水围网路科技有限公司",
 "name": "小程序测试",
 "device_type": 1,
 "place": "",
 "description": "",
 "ip": "192.168.1.26",
 "port": "",
 "online": false,
 "last_connect_time": "2021-10-22 22:42:53",
 "device_version": 1002,
 "app_version": "1.0.1.87",
 "similarity_threshold": 70,
 "temperature_mode": "Celsius",
 "temperature_threshold": 37.5,
 "temperature_compensation": 0,
 "recognition_distance": 0,
 "facemask_model": false,
 "voice_broadcast": true,
 "volume": 70,
 "recog_distance": 0,
 "control_mode": "relay",
 "feature_mode": 1,
 "fill_light": false,
 "custom_info": "",
 "people_count": 0
 },
 {
 "product_key": "148f4d5f05cb463d",
 "created_at": "2021-09-28 15:02:07",
 "mac_address": "20:00:00:00:00:00",
 "device_uuid": "428aa3bff0954ca5",
 "company": "",
 "name": "Android_HIO_rockchiprk3399-all",
 "device_type": 1,
 "place": "",
 "description": "",

```

```

 "ip": "",
 "port": "",
 "online": false,
 "last_connect_time": "2021-09-28 15:02:05",
 "device_version": 1002,
 "app_version": "2.0.0.1",
 "similarity_threshold": 70,
 "temperature_mode": "Celsius",
 "temperature_threshold": 37.5,
 "temperature_compensation": 0,
 "recognition_distance": 0,
 "facemask_model": false,
 "voice_broadcast": true,
 "volume": 70,
 "recog_distance": 0,
 "control_mode": "relay",
 "feature_mode": 0,
 "fill_light": false,
 "custom_info": "",
 "people_count": 0
 }
}
},
"status": "ok"
}

```

## 10.2 设备删除

- Url: http://ip:port/hio/api/device/delete
- Method: DELETE
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation      |
|-------------|--------|---------|------------------|
| device_uuid | String | Y       | 设备 UUID          |
| is_force    | bool   | N       | 是否强制删除, 默认 false |

- 请求示例:
 

```

{
 "device_uuid": "e833a04d01cc49d9"
}

```
- 返回示例:
 

```

{
 "status": "ok"
}

```

## 10.3 设备配置

- Url: `http://ip:port/hio/api/device/update`
- Method: PUT
- Content-Type: `application/json`
- 参数列表:

| Body raw                 | Type   | Behoove | Explanation                                                                                                    |
|--------------------------|--------|---------|----------------------------------------------------------------------------------------------------------------|
| device_uuid              | String | Y       | 设备 UUID                                                                                                        |
| name                     | String | Y       | 设备名称                                                                                                           |
| place                    | String | N       | 安装地点                                                                                                           |
| company                  | String | N       | 设备显示的公司名称, 默认无                                                                                                 |
| explanation              | String | N       | 设备说明                                                                                                           |
| recognition_distance     | float  | N       | 识别距离, 默认 1.0m                                                                                                  |
| similarity_threshold     | float  | N       | 相似度阈值, 默认 70                                                                                                   |
| temperature_threshold    | float  | N       | 体温阈值, 默认 37.5                                                                                                  |
| temperature_compensation | float  | N       | 体温补偿, 默认 0                                                                                                     |
| temperature_mode         | String | N       | Celsius = 摄氏度, 默认<br>Fahrenheit = 华氏度                                                                          |
| facemask_model           | bool   | N       | 口罩模式, 默认关闭                                                                                                     |
| volume                   | int    | N       | 音量, 0~100, 默认 70                                                                                               |
| control_mode             | String | N       | 输出控制模式:<br>默认关闭: close<br>继电器: relay<br>韦根 26: wiegand_26<br>韦根 34: wiegand_34<br>RS232: RS232<br>RS485: RS485 |
| fill_light               | bool   | N       | 补光灯, 默认关闭                                                                                                      |
| voice_broadcast          | bool   | N       | 语音播报, 默认关闭                                                                                                     |
| feature_mode             | Int    | N       | 0=特征模式 1=图片模式, 默认 1                                                                                            |
| custom_info              | String | N       | 用户自定义配置信息, JSON 格式字符串                                                                                          |

- 请求示例:

```
{
 "device_uuid": "3f6190450bb341df",
 "name": "测试设备",
 "similarity_threshold": 80.00,
}
```

```

 "temperature_mode": "Celsius",
 "temperature_threshold": 37.3,
 "temperature_compensation": 0,
 "facemask_model": false,
 "voice_broadcast": true,
 "volume": 70,
 "recog_distance": 2,
 "control_mode": "relay",
 "custom_info": ""
 }
}
● 返回示例:
{
 "data": {
 "device": {
 "created_at": "2020-07-17 10:53:49",
 "mac_address": "aa:50:56:c0:00:01",
 "device_uuid": "3f6190450bb341df",
 "company": "",
 "name": "测试设备",
 "device_type": 2,
 "place": "",
 "description": "",
 "ip": "192.168.100.100",
 "port": "",
 "online": true,
 "last_connect_time": "2020-08-02 19:56:14",
 "device_version": 1001,
 "app_version": "V1.0.0.0",
 "similarity_threshold": 80,
 "temperature_mode": "Celsius",
 "temperature_threshold": 37.3,
 "temperature_compensation": 0,
 "recognition_distance": 0,
 "facemask_model": false,
 "voice_broadcast": true,
 "volume": 70,
 "recog_distance": 0,
 "control_mode": "relay",
 "custom_info": "",
 "people_count": 3744
 }
 },
 "status": "ok"
}

```

## 10.4 设备添加用户

- Url: [http://ip:port/hio/api/device/send\\_people](http://ip:port/hio/api/device/send_people)
- Method: POST
- Content-Type: application/json

- 参数列表:

| Body raw     | Type   | Behoove | Explanation      |
|--------------|--------|---------|------------------|
| cmd_type     | String | Y       | = add_people     |
| device_uuid  | String | Y       | 设备 UUID          |
| person_uuids | String | Y       | 用户 uuid, 多个以逗号隔开 |

- 请求示例:

```
{
 "cmd_type": "add_people",
 "device_uuid": "b0052d6607cb402c",
 "person_uuids": ["b845376e9d174492", "732c03dc1bdb473c", "af04c747c086410b"]
}
```

- 返回示例:

```
{
 "status": "ok"
}
```

## 10.5 设备删除用户

- Url: http://ip:port/hio/api/device/send\_people
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw     | Type   | Behoove | Explanation      |
|--------------|--------|---------|------------------|
| cmd_type     | String | Y       | = remove_people  |
| device_uuid  | String | Y       | 设备 UUID          |
| person_uuids | String | Y       | 用户 uuid, 多个以逗号隔开 |

- 请求示例:

```
{
 "cmd_type": "remove_people",
 "device_uuid": "b0052d6607cb402c",
 "person_uuids": ["b845376e9d174492", "732c03dc1bdb473c", "af04c747c086410b"]
}
```

- 返回示例:

```
{
 "status": "ok"
}
```

## 10.6 设备添加用户组

- Url: http://ip:port/hio/api/device/send\_groups



- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation       |
|-------------|--------|---------|-------------------|
| cmd_type    | String | Y       | = add_groups      |
| device_uuid | String | Y       | 设备 UUID           |
| group_uuids | String | Y       | 用户组 uuid, 多个以逗号隔开 |

- 请求示例:
 

```
{
 "cmd_type": "add_groups",
 "device_uuid": "b0052d6607cb402c",
 "group_uuids": ["1bdff35e297d480f"]
}
```
- 返回示例:
 

```
{
 "status": "ok"
}
```

## 10.7 设备清除用户

- Url: http://ip:port/hio/api/device/clear\_people
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation |
|-------------|--------|---------|-------------|
| device_uuid | String | Y       | 设备 UUID     |

- 请求示例:
 

```
{
 "device_uuid": "b0052d6607cb402c"
}
```
- 返回示例:
 

```
{
 "status": "ok"
}
```

## 10.8 获取设备用户

- Url: http://ip:port/hio/api/device/people\_list
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params      | Type   | Behoove | Explanation  |
|-------------|--------|---------|--------------|
| device_uuid | String | Y       | 设备 UUID      |
| page        | String | N       | 当期页码, 默认为 1  |
| per_page    | String | N       | 每页记录数, 默认 10 |

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "people": [
 {
 "created_at": "2020-07-17 11:35:22",
 "name": "郭碧华",
 "phone": "",
 "age": 0,
 "gender": 0,
 "person_uuid": "2f8198404bc04b83",
 "product_key": "148f4d5f05cb463d",
 "ext_items": [
 {
 "custom_uuid": "9036632985124b7c",
 "attr_name": "卡号",
 "attr_pos": 1,
 "attr_val": ""
 },
 {
 "custom_uuid": "3ed5670e76884a21",
 "attr_name": "手机号",
 "attr_pos": 2,
 "attr_val": ""
 }
]
 },
 {
 "image_uuid": "b05c3ff015c645d6",
 "img_width": 168,
 "img_height": 240,
 "image_url": "http://120.92.153.151:3000/public/images/b05c3/b05c3ff015c645d6"
 }
]
 },
 {
 "created_at": "2020-07-17 11:35:22",
 "name": "郭蓓宁",
 "phone": "",
 "age": 0,
 "gender": 0,
 "person_uuid": "b845376e9d174492",
 "product_key": "148f4d5f05cb463d",
 }
}
```

```

 "ext_items": [
 {
 "custom_uuid": "9036632985124b7c",
 "attr_name": "卡号",
 "attr_pos": 1,
 "attr_val": ""
 },
 {
 "custom_uuid": "3ed5670e76884a21",
 "attr_name": "手机号",
 "attr_pos": 2,
 "attr_val": ""
 }
],
 "images": [
 {
 "image_uuid": "37ed84b3f6c44f03",
 "img_width": 150,
 "img_height": 200,
 "image_url": "http://120.92.153.151:3000/public/images/37
ed8/37ed84b3f6c44f03"
 }
]
 },
 "status": "ok"
}

```

## 10.9 获取识别记录

- Url: [http://ip:port/hio/api/device/identify\\_log](http://ip:port/hio/api/device/identify_log)
- Method: GET
- Content-Type: application/json
- 参数列表:

| Params        | Type   | Behoove | Explanation               |
|---------------|--------|---------|---------------------------|
| device_uuid   | String | N       | 设备 UUID, 默认全部             |
| mac_address   | String | N       | 设备 MAC 地址, 默认全部           |
| device_name   | String | N       | 设备名称, 默认全部                |
| person_name   | String | N       | 用户名称, 默认全部                |
| person_uuid   | String | N       | 用户 uuid, 默认全部             |
| occur_at_from | time   | N       | 开始时间(例如 2012-04-01 10:20) |
| occur_at_to   | time   | N       | 结束时间(例如 2012-04-20 01:11) |
| recog_result  | Int    | N       | 识别结果, =1 成功, =0 失败        |
| page          | String | N       | 当期页码, 默认为 1               |

|          |        |   |              |
|----------|--------|---|--------------|
| per_page | String | N | 每页记录数, 默认 10 |
|----------|--------|---|--------------|

- 请求示例:

无

- 返回示例:

```
{
 "data": {
 "device_logs": [
 {
 "mac_address": "aa:50:56:c0:00:01",
 "gate_sn": "",
 "device_uuid": "b0052d6607cb402c",
 "device_name": "Hiot_Flat",
 "device_place": "",
 "person_uuid": "ab01bf515b7e45b2",
 "person_name": "管毓龙",
 "person_img_url": "http://120.92.153.151:3000/public/images/f877b
/f877b755883b34983",
 "occur_at": "2020-08-03 23:36:26.000",
 "confidence": 16.2874755859375,
 "fail_reason": "",
 "recog_result": 0,
 "log_uuid": "1596468985",
 "capture_gender": 0,
 "capture_age": 0,
 "capture_image_url": "http://120.92.153.151:3000/public/recog_ima
ges/2020-08-03/4fcfc56e0de14eb4",
 "custom_info": "{}",
 "temperature": 22.29000091552734,
 "facemask": 1,
 "device_fever_threshold": 37.5,
 "pass_way": 1,
 "health_info": "{ 'health_code': /* 0 未开启, 1 绿码, 2 黄码, 3 红码
/, 'na_result': 1 / 未知, 核酸检测结果 (1 阴性, 2 阳性) */, 'na_date': '核
酸检测时间', 'na_mechanism': '核酸检测机构', 'na_stopover': '行程' }"
 },
 {
 "mac_address": "aa:50:56:c0:00:01",
 "gate_sn": "",
 "device_uuid": "b0052d6607cb402c",
 "device_name": "Hiot_Flat",
 "device_place": "",
 "person_uuid": "b46b8557a3ae40b0",
 "person_name": "桂媛",
 "person_img_url": "http://120.92.153.151:3000/public/images/e4a67
/e4a6744f4b754895",
 "occur_at": "2020-08-03 23:34:45.000",
 "confidence": 9.92598819732666,
 "fail_reason": "",
 "recog_result": 0,
 "log_uuid": "1596468885",
```

```

 "capture_gender": 0,
 "capture_age": 0,
 "capture_image_url": "http://120.92.153.151:3000/public/recog_images/2020-08-03/ec9b0b49c9414103",
 "custom_info": "{}",
 "temperature": 35.95999908447266,
 "facemask": 0,
 "device_fever_threshold": 37.5,
 "pass_way": 1,
 "health_info": "{ 'health_code':0,'na_result':1,'na_date':'核酸检测时间','na_mechanism':'核酸检测机构','na_stopover':'行程' }"
 }
}
},
"status": "ok"
}

```

## 10.10 设备识别记录删除

- Url: http://ip:port/hio/api/device/identify\_log
- Method: DELETE
- Content-Type: application/json
- 参数列表:

| Body raw      | Type   | Behoove | Explanation |
|---------------|--------|---------|-------------|
| device_uuid   | String | Y       | 设备 UUID     |
| occur_at_from | String | N       | 开始时间, 默认全部  |
| occur_at_to   | String | N       | 结束时间, 默认全部  |

- 请求示例:

```

{
 "device_uuid": "b0052d6607cb402c",
 "occur_at_from": "2020-08-03 23:36:26",
 "occur_at_to": "2020-08-04 10:36:26"
}

```

- 返回示例:

```

{
 "status": "ok"
}

```

## 10.11 设备添加广告

- Url: http://ip:port/hio/api/device/remote\_cmd
- Method: POST
- Content-Type: application/json

- 参数列表:

| Body raw       | Type   | Behoove | Explanation     |
|----------------|--------|---------|-----------------|
| cmd_type       | String | Y       | = add_advertise |
| device_uuid    | String | Y       | 设备 UUID         |
| advertise_uuid | String | Y       | 广告 UUID         |

- 请求示例:

```
{
 "cmd_type": "add_advertise",
 "device_uuid": "b0052d6607cb402c",
 "advertise_uuid": "8af3bde9e06b2b00"
}
```

- 返回示例:

```
{
 "status": "ok"
}
```

## 10.12 开音视频

- Url: http://ip:port/hio/api/device/remote\_cmd
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation       |
|-------------|--------|---------|-------------------|
| cmd_type    | String | Y       | 音视频 = audio_video |
| device_uuid | String | Y       | 设备 UUID           |

- 请求示例:

```
{
 "cmd_type": "sync_people",
 "device_uuid": "b0052d6607cb402c"
}
```

- 返回示例:

```
{
 "data": {
 "av_app_certificate": "eed7fda31956a7459fd4c37b9ee7ee7",
 "av_app_id": "d5251d539db9c8e01a12b469250b1f22",
 "av_channel_name": "b0052d6607cb402c",
 "av_user_account": "b0052d6607cb402c",
 "cmd_type": "audio_video"
 },
 "status": "ok"
}
```

}

### 10.13 激活设备 (管理员)

- Url: http://ip:port/hio/api/device/auth\_cmd
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation       |
|-------------|--------|---------|-------------------|
| cmd_type    | String | Y       | 音视频 = auth_device |
| device_uuid | String | Y       | 设备 UUID           |

- 请求示例:

```
{
 "cmd_type": "auth_device",
 "device_uuid": "80bf9ea7d39c49b5"
}
```
- 返回示例:

```
{
 "status": "ok"
}
```

### 10.14 设备发送指令

- Url: http://ip:port/hio/api/device/remote\_cmd
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation                                                                                    |
|-------------|--------|---------|------------------------------------------------------------------------------------------------|
| cmd_type    | String | Y       | 同步人员 = sync_people<br>重启设备 = reboot_device<br>重启 APP = reboot_app<br>远程开门 = open_door_remotely |
| device_uuid | String | Y       | 设备 UUID                                                                                        |

- 请求示例:

```
{
 "cmd_type": "sync_people",
 "device_uuid": "b0052d6607cb402c"
}
```
- 返回示例:

```
{
 "status": "ok"
}
```

## 10.15 设备发送自定义消息

- Url: http://ip:port/hio/api/device/remote\_cmd
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation     |
|-------------|--------|---------|-----------------|
| cmd_type    | String | Y       | = custom_data   |
| device_uuid | String | Y       | 设备 UUID         |
| custom_info | String | Y       | 发送自定义消息内容, 用于扩展 |

- 请求示例:

```
{
 "cmd_type": "custom_data",
 "device_uuid": "b0052d6607cb402c",
 "custom_info": "自定义消息内容"
}

/*
 例子:
 custom_info= "{ 'no_disturb_status':1, 'clean_status':1, 'password_status':1,
 'doorbell_status':1, 'checkin_status':1, 'room_number':8801,
 'room_font_size':150, 'room_font_color': '#ffffff'
 }", 1=显示, 0=隐藏, room_number=房间号, room_font_size=房间号字体大小,
 room_font_color = 房间号字体颜色
*/

/*
 例子:
 custom_info={
 "business_model":1, /*业务模式, 0=人脸识别, 1=会议, 2=会议+人脸识别
 "meeting":[
 {
 "start_date_time":"2022-06-04 09:00:00",
 "end_date_time":"2022-06-04 09:00:00",
 "title":"会议主题",
 "reservation_person":"预约人"
 },
 {
 "start_date_time":"2022-06-04 14:00:00",
 "end_date_time":"2022-06-04 16:30:00",
 "title":"会议主题",
 "reservation_person":"预约人"
 }
],
 }
```



```

]
 }
 */
}

```

- 返回示例:
 

```

{
 "status": "ok"
}

```

## 11. 自定义策略

### 11.1 自定义策略

- Url: http://ip:port/hio/api/device/custom\_message
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw    | Type   | Behoove | Explanation       |
|-------------|--------|---------|-------------------|
| cmd_type    | String | Y       | = custom_strategy |
| device_uuid | String | Y       | 设备 UUID           |
| custom_info | String | Y       | 发送自定义策略具体内容, 用于扩展 |

- 请求示例:
 

```

{
 "cmd_type": "custom_strategy",
 "device_uuid": "b0052d6607cb402c",
 "custom_info": "自定义策略具体内容"
}

```
- 返回示例:
 

```

{
 "status": "ok"
}

```

## 12. 设备服务

### 12.1 人脸检测

- Url: http://ip:port/hio/api/service/detection
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw | Type | Behoove | Explanation |
|----------|------|---------|-------------|
|----------|------|---------|-------------|

|              |        |   |                 |
|--------------|--------|---|-----------------|
| image_base64 | String | Y | 图片 base64 格式字符串 |
|--------------|--------|---|-----------------|

- 请求示例:

```
{
 "image_base64": "/9j/4AAQSkZJRgABAQAAQAB*****mb/v81BJ/9k="
}
```

- 返回示例:

```
{
 "data": {
 "image": {
 "image_uuid": "1a88d48981104cbb",
 "img_width": 170, /*图片宽度*/
 "img_height": 237, /*图片高度*/
 "image_url": "http://120.92.153.151:3000/public/images/1a88d/1a88d48981104cbb", /*图片地址*/
 "face": {
 "face_uuid": "",
 "rect": "",
 "face_feature": "0.0933011, -0.384387, -1.322367, -0.292941, 0.793266, 0.99***0.6725, -0.464572, -0.68536, 0.711969", /*非结构化数据*/
 "age": 0, /*年龄, >0*/
 "gender": 0, /*性别: 0=未知, 1=男, 2=女*/
 "quality": 10, /*人脸质量*/
 "confidence": 0, /*置信度*/
 "yaw": -3.625466823577881, /*偏航角*/
 "pitch": -7.872910499572754, /*仰俯角*/
 "roll": 2.395378351211548 /*横滚角*/
 }
 }
 },
 "status": "ok"
}
```

## 13. 二维码

### 13.1 生成二维码

- Url: [http://ip:port/hio/api/device/or\\_code/info](http://ip:port/hio/api/device/or_code/info)
- Method: POST
- Content-Type: application/json
- 参数列表:

| Body raw | Type   | Behoove | Explanation |
|----------|--------|---------|-------------|
| data     | String | N       | 自定义数据       |

- 请求示例:

```
{
 "data": "自定义数据"
}
```

- 返回示例:

```
{
 "data": {
 "img_base64": "/9j/2wCEAAgGBgcG***q7MoUoi405V0coe3pXeUUAf/2Q==",
 "url": "https://hioapi.shuiwei-ai.cn/public/qrcode_images/98a21c82e3094007.png"
 },
 "status": "ok"
}
```

## 14. 常见问题

### 14.1 略