# FoxHunter Service API

**Endpoints:**

<http://ip:port/api/v1>

**Global security:**

OAuth 1.0

Headers : Authorization: Bearer ‘token’

*token通过login获得*

*错误码:*

1. *Token失效*

# 一 登录认证

## 登录

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| GET | /login/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id\_no* | *string* | *警官证号* | *TRUE* |
| *passcode* | *string* | *用户密码(MD5)* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "token" :"abcdkajfdklajflksadjflkadsffdafds",  “ws\_service”: “192.168.1.1:1234”，  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *token* | *String* | *此token带入后续API使用OAuth进行认证* |  |
| *ws\_service* | *String* | *服务端Websocket连接地址* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

# 二 用户管理

## 添加用户

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| POST | /user/ |  |

#### 请求

|  |
| --- |
| {  "users":  [{"code":"10001", "name":"张山", "id\_no": “JC0001”,"passcode":"pass", "organization": "XX分局", "phone\_no": "13566225455"}]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *users* | *Array of Ojects* |  | *TRUE* |
| *code* | *string* | *用户账号* | *TRUE* |
| *name* | *string* | *用户姓名* | *TRUE* |
| *id\_no* | *string* | *警官证件号* | *TRUE* |
| *passcode* | *string* | *登录密码(MD5)* | *TRUE* |
| *organization* | *string* | *单位* |  |
| *phone\_no* | *string* | *手机号* |  |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "users": [{"id\_no": "JC0001", "id ":ss 1}],  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *users* | *array of object* | *添加成功的用户列表* |  |
| *id\_no* | *string* | *警官证号* |  |
| *id* | *Int* | *用户ID* |  |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 修改用户

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| PUT | /user/ |  |

#### 请求

|  |
| --- |
| {  "users":  [{"id":1, "name":"张山", "id\_no": “JC0001”,"password":"pass", "organization": "XX分局", "phone\_no": "13566225455"}]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *users* | *Array of Objects* |  |  |
| *id* | *Int* | *更新用户ID* | *TRUE* |
| *code* | *string* | *用户账号* |  |
| *name* | *string* | *用户姓名* |  |
| *id\_no* | *string* | *警官证件号* |  |
| *passcode* | *string* | *登录密码(MD5)* |  |
| *organization* | *string* | *单位* |  |
| *phone\_no* | *string* | *手机号* |  |
| *status* | *Int* | *用户状态(0:正常 ,1:冻结)* |  |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 删除用户

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| DELETE | /user/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *users* | *String* | *删除用户ID数组逗号分隔 eg:1001,1002* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 用户查询

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| GET | /user/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *用户ID* |  |
| *id\_no* | *String* | *警官证号* |  |
| *page* | *Int* | *分页查询,页码(from 0)* |  |
| *per\_page* | *Int* | *分页查询,页数据条数* |  |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  "users":  [{"code":"10001", "name":"张山", "id\_no": “JC0001”,"password":"pass", "organization": "XX分局", "phone\_no": "13566225455", “pwd\_reset”:0}],  "pagenation":{  "page":1,  "per\_page":100,  "total\_page":999999}  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |
| *pagenation* | *object* | *分页信息* |  |
| *page* | *Int* | *当前查询页* |  |
| *per\_page* | *Int* | *页数据条数* |  |
| *total\_page* | *Int* | *总页数* |  |
| *users* | *Array of Ojects* |  | *TRUE* |
| *code* | *string* | *用户账号* | *TRUE* |
| *name* | *string* | *用户姓名* | *TRUE* |
| *id\_no* | *string* | *警官证件号* | *TRUE* |
| *passcode* | *string* | *登录密码(MD5)* | *TRUE* |
| *organization* | *string* | *单位* | *TRUE* |
| *phone\_no* | *string* | *手机号* | *TRUE* |
| *status* | *Int* | *用户状态(1:冻结 ,0:正常 2:已删除)* | *TRUE* |
| *privilege* | *Int* | *用户权限(0:普通用户 1:管理员用户)* | *TRUE* |
| *pwd\_reset* | *Int* | *是否需要用户reset密码* | *TRUE* |

# 三 案件管理

## 添加案件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| POST | /case/ |  |

#### 请求

|  |
| --- |
| {  "cases":[{"name":"2020第一大案"}]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *cases* | *Array of Objects* | *添加案件信息* | *TRUE* |
| *name* | *String* | *案件名称* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  " successed\_case\_id ":[1, 2],  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *cases* | *Array of object* | *添加成功的案件信息* |  |
| *id* | *Int* | *案件id* |  |
| *name* | *String* | *案件名称* |  |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 更新案件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| PUT | /case/ |  |

#### 请求

|  |
| --- |
| {  "cases":[{"id":10021，"name":"2020第一大案"}]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *cases* | *Array of objects* | *更新案件信息* | *TRUE* |
| *id* | *int* | *案件ID* | *TRUE* |
| *name* | *String* | *案件名称* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 删除案件

|  |  |  |
| --- | --- | --- |
| 1. 方法 | URL | 说明 |
| DELETE | /case/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *cases* | *string* | *删除案件ID数组 eg:* 1001,1002 | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

## 案件查询

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| GET | /case/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *案件ID* |  |
| *name* | *String* | *案件名* |  |
| *create\_dt* | *Int* | *案件创建时间* |  |
| *create\_uid* | *Int* | *案件创建用户* |  |
| *last\_update\_dt* | *Int* | *案件最后更新时间戳* |  |
| *last\_update\_uid* | *Int* | *案件最后更新用户* |  |
| *members* | *String* | *案件参与用户id列表（逗号分隔）* |  |
| *page* | *Int* | *分页查询,页码* |  |
| *per\_page* | *Int* | *分页查询,页数据条数* |  |

#### 应答

|  |
| --- |
| JSON  {      "cases": [          {              "create\_dt": 1586400421,              "create\_uid": 25,              "id": 10021,              "last\_update\_dt": null,              "last\_update\_uid": null,              "name": "xxxx"          },          {              "create\_dt": 1586400421,              "create\_uid": 25,              "id": 10022,              "last\_update\_dt": null,              "last\_update\_uid": null,              "name": "第一大案"          }      ],      "error": {          "code": 0,          "message": ""      },      "pagination": {          "page": 0,          "per\_page": 2,          "total\_page": 0      },      "success": 1  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |
| *pagenation* | *object* | *分页信息* |  |
| *page* | *Int* | *当前查询页* |  |
| *per\_page* | *Int* | *页数据条数* |  |
| *total\_page* | *Int* | *总页数* |  |
| *cases* | *Array of Objects* | *添加案件信息* | *TRUE* |
| *id* | *Int* | *案件ID* | *TRUE* |
| *name* | *String* | *案件名称* | *TRUE* |
| *create\_dt* | *Int* | *案件创建时间(seconds since Jan 01 1970-local time)* | *TRUE* |
| *create\_uid* | *Int* | *案件创建用户ID* | *TRUE* |
| *data\_ver* | *Int* | *案件数据版本(若案件内数据/文件发生变化则该字段值则会增加)* | *TRUE* |

## 参与人员管理

### 添加人员

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| POST | /case/member/ |  |

#### 请求

|  |
| --- |
| {  "id":10001, "members":[2001,2002]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *案件ID* | *TRUE* |
| *members* | *Array of Int* | *添加的用户ID列表* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

### 删除人员

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| DELETE | /case/member/ |  |

#### 请求

|  |
| --- |
| {  "id":10001, "members":[2001,2002]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *案件ID* | *TRUE* |
| *members* | *Array of Int* | *删除的用户ID列表* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

### 查询人员

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| GET | /case/member/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *案件ID* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  },  "id":10001, "members":[2001,2002]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |
| *Id* | *Int* | *案件ID* |  |
| members | *Array of Int* | *案件参与人员用户ID* |  |

## 共享文件管理

### 添加文件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| POST | /case/file/ |  |

#### 请求

|  |
| --- |
| FORM  {  "case\_id":10001,  "file":文件,  "file\_type":1  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *case\_id* | *Int* | *案件ID* | *TRUE* |
| *type* | *Int* | *上传文件类型 1:源数据文件 2:分析页面数据* | *TRUE* |
| *file* | *File* | *上传文件* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

### 删除文件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| DELETE | /case/file/ |  |

#### 请求

|  |
| --- |
| FORM  {  "id":10001,  "file\_ids":[1001, 1002]  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *id* | *Int* | *案件ID* | *TRUE* |
| *file\_ids* | *Array of int* | *需要删除的文件ID列表* | *TRUE* |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

### 更新文件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| PUT | /case/file/ |  |

#### 请求

|  |
| --- |
| FORM  {  "case\_id":10001,  "file\_id":10001,  "file":文件,  "file\_type":1  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *case\_id* | *Int* | *案件ID* | *TRUE* |
| *file\_id* | *Int* | *更新的文件ID* | *TRUE* |
| *file\_type* | *Int* | *上传文件类型 1:源数据文件 2:分析页面数据* |  |
| *file* | *File* | *上传文件* |  |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |

### 查询文件

|  |  |  |
| --- | --- | --- |
| 方法 | URL | 说明 |
| GET | /case/file/ |  |

#### 请求

|  |
| --- |
|  |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *case\_id* | *Int* | *案件ID* |  |
| *file\_id* | *string* | *案件文件id列表（逗号分隔）* |  |
| *page* | *Int* | *分页查询,页码* |  |
| *per\_page* | *Int* | *分页查询,页数据条数* |  |

#### 应答

|  |
| --- |
| JSON  {  "success": 1,  "error": {  "code": 0,  "message": "no error occurred!"  }  "files":[{"case\_id":1234, file\_id":1001, "name":"数据源1.xls", "create\_dt":1584352783, "create\_uid":12201, "data\_ver":1, "url":"http://xxx/xxx/xx.xls"}]  "pagenation":{  "page":1,  "per\_page":100,  "total\_page":999999}  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *success* | *Int* | *请求处理的结果，1 表示处理成功，0 表示失败* | TRUE |
| *error* | *Object* |  |  |
| *code* | *Int* | *错误代码* |  |
| *message* | *String* | *错误描述* |  |
| *pagenation* | *object* | *分页信息* |  |
| *page* | *Int* | *当前查询页* |  |
| *per\_page* | *Int* | *页数据条数* |  |
| *total\_page* | *Int* | *总页数* |  |
| *files* | *Array of Objects* | *添加案件信息* | *TRUE* |
| *case\_id* | *Int* | *案件ID* | *TRUE* |
| *file\_id* | *Int* | *文件ID* | *TRUE* |
| *create\_dt* | *Int* | *文件上传/创建时间(seconds since Jan 01 1970-local time)* | *TRUE* |
| *create\_uid* | *Int* | *文件上传/创建用户ID* | *TRUE* |
| *url* | *String* | *文件下载路径* | *TRUE* |
| *data\_ver* | *Int* | *文件数据版本(若文件发生更新操作则该字段值则会增加)* | *TRUE* |

## 案件变更通知(web socket)

**功 能:**

案件内任何数据发生变更时, 服务器则主动通过websocket连接发送给该案件所有在线的成员.

**方 向:**

Server --🡪 Client

**数据格式:**

JSON

**内 容:**

|  |
| --- |
| JSON  {  cmd\_type:1,  data\_type:1,  case\_id:1001  } |

参数说明

| 字段 | 类型 | 说明 | **Required** |
| --- | --- | --- | --- |
| *cmd\_type* | *Int* | *Web socket消息类型*  *1:案件数据变通通知* | TRUE |
| *data\_type* | *Int* | *数据变更类型*  *1: 案件基本信息(案件名称, 案件添加或删除)*  *2: 案件参与成员发生变更*  *3: 案件共享文件发生变更* | TRUE |
| *case\_id* | *int* | *发生变更的案件ID* | TRUE |