TraVo服务器-客户端数据传输协议

# 说明

1. 采取客户端主动请求，服务器被动响应的交互方式
2. 服务器URL地址：172.16.12.26:8000
3. 采用http方式连接
4. 从服务器获取数据，应使用GET方法，并将参数放置在URL之后
5. 向服务器提交数据，应使用POST方法，将参数放置在URL之后，数据放置在http内容中
6. 修改数据采用使用PUT方法，将参数放置在URL之后，数据放置在http内容中
7. 删除数据采用DELETE方法
8. 键-值对形式的数据用Json格式承载
9. “-”表示不固定的数据
10. “必要”一栏中，N表示no；Y表示yes； 若为表达式，则当该表达式为真时该字段为必要
11. rsp\_code定义：

|  |  |  |
| --- | --- | --- |
| **助记名** | **code** | **意义** |
| ****成功类**** | | |
| sucess | 100 | 成功 |
| ****客户端错误**** | | |
| wrong\_arg | 200 | 参数不存在或错误 |
| wrong\_password | 201 | 密码错误 |
| auth\_fail | 202 | 无法通过第三方进行验证 |
| data\_incomplete | 203 | 数据不完整 |
| dup\_bind | 204 | （第三方）账户已绑定到其他账户 |
| dup\_data | 205 | 数据重复 |
| dup\_email | 206 | 邮箱重复 |
| dup\_nickname | 207 | 昵称重复 |
| illegal\_data | 208 | 数据不存在或不合法 |
| illegal\_email | 209 | 不合法的邮箱 |
| miss\_email | 210 | 缺少邮箱 |
| miss\_nickname | 211 | 缺少昵称 |
| miss\_password | 212 | 缺少密码 |
| miss\_token | 213 | 缺少token |
| no\_such\_user | 214 | 该用户不存在 |
| no\_such\_travel | 215 | 找不到travel |
| no\_such\_note | 216 | 找不到note |
| no\_cover | 217 | 游记没有封面 |
| no\_image | 218 | note没有图片 |
| token\_overdate | 219 | token已过期 |
| permission\_denied | 220 | 权限不足 |
| ****服务器错误**** | | |
| server\_error | 300 | 服务器错误 |

1. sucess、server\_error这两个返回码在每种请求中都有可能出现

# 请求与响应

## 概览

|  |  |  |
| --- | --- | --- |
| 功能 | 方法 | URL |
| 用户模块 | | |
| [注册](#_注册) | POST | Server-URL/user/register |
| [登录](#_登录) | GET | Server-URL/user/login |
| [绑定到第三方账户](#_绑定到第三方账户) | PUT | Server-URL/user/bind |
| [修改/设置邮箱](#_修改邮箱) | PUT | Server-URL/user/email/update |
| [修改信息](#_修改信息) | PUT | Server-URL/user/update |
| 修改详细信息\* | PUT | Server-URL/user/info/update |
| [修改密码](#_修改密码) | PUT | Server-URL/user/password/update |
| 获取详细信息\* | GET | Server-URL/user/info |
| [获取头像](#_获取头像) | GET | Server-URL/user/{user\_id}/face |
| [获取好友信息](#_获取信息（根据ID）) | GET | Server-URL/user/{user\_id} |
| 获取好友详细信息\* | GET | Server-URL/user/{user\_id}/info |
| 关注/取消关注一个好友\* | PUT | Server-URL/user/follow |
| 获取关注/被关注的好友列表\* | GET | Server-URL/user/follow/list |
| 获取用户列表（根据查询条件）\* | GET | Server-URL/user/search/{condition} |
| 位置模块 | | |
| [上传位置](#_上传位置) | POST | Server-URL/location/upload |
| [获取位置（同步）](#_获取位置) | GET | Server-URL/location/sync |
| [获取好友位置\*](#_获取好友位置) | GET | Server-URL/user/{user\_id}/location |
| 游记模块 | | |
| [上传游记](#_上传游记) | POST | Server-URL/travel/upload |
| 删除游记\* | DELETE | Server-URL/travel/{travel\_id}/delete |
| 修改游记\* | PUT | Server-URL/travel/{travel\_id}/update |
| [获取游记（同步）](#_获取游记) | GET | Server-URL/travel/sync |
| 获取好友游记\* | GET | Server-URL/user/{user\_id}/travel |
| 获取收藏的游记\* | GET | Server-URL/travel/favorit |
| 获取游记（根据查询条件）\* | GET | Server-URL/travel/search/{condition} |
| 获取游记内容（根据ID）\* | GET | Server-URL/travel/{travel\_id}/content |
| [获取游记封面](#_获取游记封面) | GET | Server-URL/travel/{travel\_id}/cover |
| 收藏一篇游记\* | POST | Server-URL/travel/{travel\_id}/favorit |
| Note模块 | | |
| [上传note](#_上传note) | POST | Server-URL/note/upload |
| 删除note\* | DELETE | Server-URL/note/{note\_id}/delete |
| 修改note\* | PUT | Server-URL/note/{note\_id}/update |
| [获取note（同步）](#_获取note) | GET | Server-URL/note/sync |
| [获取note（根据游记ID）](#_获取note（根据游记ID）) | GET | Server-URL/travel/{travel\_id}/note |
| [获取note中图片](#_获取note中图片) | GET | Server-URL/note/{note\_id}/image |
| 评论模块 | | |
| 评论一篇游记\* | POST | Server-URL/travel/{travel\_id}/comment |
| 评论一个Note\* | POST | Server-URL/note/{note\_id}/comment |
| 获取一篇游记的所有评论\* | GET | Server-URL/travel/{travel\_id}/comment |
| 获取一个Note的所有评论\* | GET | Server-URL/note/{note\_id}/comment |
| 赞模块 | | |
| 赞一篇游记\* | POST | Server-URL/travel/{travel\_id}/vote |
| 赞一个Note\* | POST | Server-URL/note/{note\_id}/vote |
| 获取一篇游记的赞记录\* | GET | Server-URL/travel/{travel\_id}/vote |
| 获取一个Note的赞记录\* | GET | Server-URL/note/{note\_id}/vote |
| 游记模块 | | |
| 上传旅行计划\* | POST | Server-URL/travel\_plan/upload |
| 删除旅行计划\* | DELETE | Server-URL/travel\_plan/{travel\_plan\_id}/delete |
| 修改旅行计划\* | PUT | Server-URL/travel\_plan/{travel\_plan\_id}/update |
| 获取旅行计划（同步）\* | GET | Server-URL/travel\_plan/sync |
| 获取好友旅行计划\* | GET | Server-URL/user/{user\_id}/travel\_plan |
| 获取旅行计划（根据查询件）\* | GET | Server-URL/travel\_plan/search/{condition} |
| 获取旅行计划（根据ID）# | GET | Server-URL/travel\_plan/{travel\_plan\_id} |
| 同步模块 | | |
| [获取同步状态](#_获取同步状态) | GET | Server-URL/sync |

注：标记为\*的是未实现的功能

## 用户（User）模块

### 注册

#### **请求**

* **方法：**POST
* **URL：**Server-URL/user/register
* **参数**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **user\_type** | **travo/sina/qq** | **Y** | **注册的账号类型** |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **nickname** | **-** | **Y** | **昵称** |
| **email** | **-** | **user\_type=travo** | **邮箱** |
| **password** | **-** | **user\_type=travo** | **密码** |
| **sina\_token** | **-** | **user\_type=sina** | **从sina获得的access\_token** |
| **qq\_token** | **-** | **user\_type=qq** | **从qq获得的access\_token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **miss\_email**  **miss\_password**  **miss\_nickname**  **miss\_token**  **illegal\_email**  **dup\_email**  **dup\_nickname**  **dup\_bind**  **auth\_fail** | **Y** | **返回码** |
| **user\_id** | **-** | **rsp\_code=success** | **用户id** |
| **token** | **-** | **rsp\_code=sucess** | **travo\_token** |

### 登录

#### **请求**

* **方法：**GET
* **URL：**Server-URL/user/login
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **user\_type** | **travo/sina/qq** | **Y** | **登录方式** |
| **email** | **-** | **user\_type=travo** | **邮箱** |
| **password** | **-** | **user\_type=travo** | **密码** |
| **sina\_token** | **-** | **user\_type=sina** | **从sina获得的access\_token** |
| **qq\_token** | **-** | **user\_type=qq** | **从qq获得的access\_token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **wrong\_password**  **auth\_fail** | **Y** | **返回码** |
| **user\_id** | **-**  **-** | **rsp\_code=sucess** | **仅当登录成功时返回** |
| **token** | **-** | **rsp\_code=sucess** | **travo\_token** |
| **qq\_user\_id** | **-** | **rsp\_code=sucess** | **从qq获得的用户唯一标识** |
| **sina\_user\_id** | **-** | **rsp\_code=sucess** | **从sina获得的用户唯一标识** |
| **email** | **-** | **rsp\_code=success** | **邮箱** |
| **nickname** | **-** | **rsp\_code=sucess** | **昵称** |
| **signature** | **-** | **rsp\_code=sucess** | **签名** |
| **account** |  | **rsp\_code=sucess** | **积分** |
| is\_location\_public | - | **rsp\_code=sucess** | 是否将自己的位置信息公开 |
| is\_info\_public | - | **rsp\_code=success** | 是否将自己的详细信息公开 |
| travel\_qty | - | **rsp\_code=sucess** | 游记数量 |
| scenic\_point\_qty | - | **rsp\_code=sucess** | 去过的景点数量 |
| favorite\_travel\_qty | - | **rsp\_code=sucess** | 收藏的游记数量 |
| achievement\_qty | - | **rsp\_code=sucess** | 获得的成就数量 |
| follower\_qty | - | **rsp\_code=success** | 受关注数量 |

### 绑定到第三方账户

#### **请求**

* **方法：**PUT
* **URL：**Server-URL/user/bind
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
| **user\_type** | **sina/qq** | **Y** | **要绑定的账户类型** |
| **sina\_token** | **-** | **user\_type=sina** | **从sina获得的token** |
| **qq\_token** | **-** | **user\_type=qq** | **从qq获得的token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **token\_overdate**  **auth\_fail**  **dup\_bind** | **Y** | **返回码** |

### 修改/设置邮箱

#### **请求**

* **方法：**PUT
* **URL：**Server-URL/user/email/update
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
| **email** | **-** | **Y** | **新的email** |
| **password** | **-** | **Y** | **密码** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **token\_overdate**  **illegal\_email**  **dup\_email**  **wrong\_password** | **Y** | **返回码** |

### 修改信息

#### **请求**

* **方法：**PUT
* **URL：**Server-URL/user/update
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **nickname** | **-** | **N** | **昵称** |
| **signature** | **-** | **N** | **签名** |
| **is\_location\_public** | **-** | **N** | **是否将位置公开** |
| **is\_info\_public** | **-** | **N** | **是否将个人信息公开** |
| **face\_file** | **-** | **N** | **头像文件** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **-** | **Y** | **返回码** |

### 修改详细信息（住址、电话……）

#### **请求**

* **方法：**PUT
* **URL：**Server-URL/user/info
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 修改密码

#### **请求**

* **方法：**PUT
* **URL：**Server-URL/user/password/update
* **参数**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **email** | **-** | **Y** | **邮箱** |
| **old\_password** | **-** | **Y** | **旧密码** |
| **new\_password** | **-** | **Y** | **新密码** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_ser**  **wrong\_password** | **-** | **返回码** |
| **token** | **-** | **rsp\_code=success** | **travo\_token** |

### 获取详细信息

#### **请求**

* **方法：GET**
* **URL：Server-URL/user**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取头像

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/{user\_id}/face**

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **no\_such\_user** | **Y** | **返回码** |
| ***头像图片*** | | **rsp\_code=success** | **-** |

### 获取好友信息

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/{user\_id}**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **N** | **若要获得自己的信息，则需题共用token，此时可得到更详细的信息** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **no\_such\_user**  **token\_overdate** | **Y** | **返回码** |
| user\_id | - | Y | 用户ID |
| nickname | - | Y | 别名/昵称 |
| signature | - | Y | 个性签名 |
| register\_time | - | Y | 注册时间 |
| account | - | Y | 积分 |
| is\_location\_public | - | Y | 是否将自己的位置信息公开 |
| is\_info\_public | - | Y | 是否将自己的详细信息公开 |
| travel\_qty | - | Y | 游记数量 |
| scenic\_point\_qty | - | Y | 去过的景点数量 |
| favorite\_travel\_qty | - | Y | 收藏的游记数量 |
| achievement\_qty | - | Y | 获得的成就数量 |
| follower\_qty | - | Y | 受关注数量 |
| email | - | N | email |
| qq\_user\_id | - | N | qq的openid |
| sina\_user\_id | - | N | sina的uid |

### 获取好友详细信息

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/fellow**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 关注/取消关注一个好友

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/fellow**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取关注/被关注的好友列表

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/fellowed**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取用户列表（根据查询条件）

#### **请求**

* **方法：GET**
* **URL：Server-URL/user/search**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## 位置（Location）模块

### 上传位置

#### **请求**

* **方法：POST**
* **URL：Server-URL/location/upload**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **locations** | **[**  **{**  **longitude,**  **latitude,**  **time**  **},……**  **]** | **Y** | **location数组** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **illegal\_data**  **data\_incomplete**  **dup\_data** | **Y** | **返回码** |

### 获取位置（同步）

#### **请求**

* **方法：GET**
* **URL：Server-URL/location/sync**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
| **begin\_time** | **-** | **N** | **只获取begin\_time之后更改的数据，空表示从第一条开始** |
| **max\_qty** | **-** | **N** | **最多个数，默认为全部** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **token\_overdate** | **Y** | **返回码** |

### 获取好友位置

#### **请求**

* **方法：GET**
* **URL：**Server-URL/user/{user\_id}/location
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## 游记（Travel）模块

### 上传游记

#### **请求**

* **方法：POST**
* **URL：Server-URL/travel/upload**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **travels** | **[**  **{**  **title,**  **destination,**  **cover,**  **begin\_date,**  **end\_date,**  **average\_spend,**  **description,**  **create\_time,**  **is\_public,**  **tag**  **},……**  **]** | **Y** | **(title,destination,begin\_date,create\_time,is\_public)不能为空，tag不能重复，若只包含一个travel,则可以省去tag** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **token\_overdate**  **no\_such\_user**  **data\_incomplete**  **illegal\_data**  **dup\_data** | **Y** | **返回码** |
| **rsps** | **[**  **{**  **tag,**  **rsp\_code,**  **travel\_id**  **},……**  **]** | **仅当上传了多个travel** | **针对每一个travel的返回码rsp\_code包括：data\_incomplete**  **illegal\_data**  **dup\_data** |

### 删除游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 修改游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取游记（同步）

#### **请求**

* **方法：GET**
* **URL：Server-URL/travel/sync**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
| **begin\_time** | **-** | **N** | **只获取begin\_time之后更改的数据，空表示从第一条开始** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **token\_overdate** | **Y** | **返回码** |
| **travels** | **[**  **{**  **travel\_id,**  **title,**  **average\_spend,**  **begin\_date,**  **end\_date,**  **create\_time,**  **description,**  **destination,**  **is\_public,**  **favorite\_qty,**  **comment\_qty,**  **read\_times,**  **vote\_qty,**  **has\_cover**  **},……**  **]** | **rsp\_code=sucess** | **用户游记** |

### 获取好友游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取游记（根据查询条件）

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取游记（根据ID）

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取游记封面

#### **请求**

* **方法：GET**
* **URL：**Server-URL/travel/{travel\_id}/cover
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **N** | **只有当获取用户自己的未公开的游记时才需要token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **no\_such\_travel**  **token\_overdate**  permission\_denied | **Y** | **返回码** |
| **游记封面** | | **rsp\_code=success** | **-** |

### 收藏一篇游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## Note模块

### 上传note

#### **请求**

* **方法：POST**
* **URL：Server-URL/note/upload**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **notes** | **[**  **{**  **content,**  **create\_time,**  **travel\_id,**  **image\_file,**  **tag**  **}…**  **]** | **Y** | **create\_time,travel\_id,**  **is\_public不能为空,tag不能重复，若只有一个note,可以省略tag** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **token\_overdate**  **no\_such\_user**  **data\_incomplete**  **illegal\_data**  **dup\_data**  **no\_such\_travel**  **permissioin\_denied** | **Y** | **返回码** |
| **rsps** | **[**  **{**  **tag,**  **rsp\_code,**  **note\_id**  **},……**  **]** | **仅当上传了多个travel** | **针对每一个note的返回码rsp\_code包括：data\_incomplete**  **illegal\_data**  **dup\_data**  **no\_such\_travel**  **permission\_denied** |

### 删除note

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 修改note

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取note（同步）

#### **请求**

* **方法：GET**
* **URL：Server-URL/note/sync**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |
| **begin\_time** | **-** | **N** | **只获取begin\_time之后更改的数据，空表示从第一条开始** |
| **max\_qty** | **-** | **N** | **最多获取个数** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **token\_overdate**  **no\_such\_user** | **Y** | **返回码** |
| **notes** | **[**  **{**  **note\_id,**  **content,**  **create\_time,**  **travel\_id,**  **comment\_qty,**  **vote\_qty,**  **is\_public**  **},……**  **]** | **Y** | **notes** |

### 获取note（根据游记ID）

#### **请求**

* **方法：GET**
* **URL：**Server-URL/travel/{travel\_id}/note
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **N** | **只有当获取用户自己的未公开的游记时才需要token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **no\_such\_travel**  **token\_overdate**  permission\_denied | **Y** | **返回码** |
| **notes** | **[**  **{**  **note\_id,**  **travel\_id,**  **user\_id,**  **content,**  **create\_time,**  **comment\_qty,**  **vote\_qty,**  **has\_image**  **}……**  **]** | **rsp\_code=sucess** | **该游记中的所有note** |

### 获取note中图片

#### **请求**

* **方法：GET**
* **URL：**Server-URL/note/{note\_id}/image
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **N** | **只有当获取用户自己的未公开的游记时才需要token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **no\_such\_note**  **no\_image**  **token\_overdate**  **permission\_denied** | **Y** | **返回码** |
| **note中的image** | | **rsp\_code=success** | **-** |

## 评论模块

### 评论一篇游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 评论一个Note

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取一篇游记的所有评论

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取一个Note的所有评论

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## 赞模块

### 赞一篇游记

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 赞一个Note

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取一篇游记的赞记录

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取一个Note的赞记录

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

* **数据**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## 旅行计划（TravelPlan）模块

### 上传旅行计划

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 删除旅行计划

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 修改旅行计划

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取旅行计划

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取好友旅行计划

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取旅行计划（根据查询规则）

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

### 获取旅行计划（根据ID）

#### **请求**

* **方法：**
* **URL：**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
|  |  |  |  |

## 同步（Sync）模块

### 获取同步状态

#### **请求**

* **方法：GET**
* **URL：Server-URL/sync**
* **参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **token** | **-** | **Y** | **travo\_token** |

#### **响应**

|  |  |  |  |
| --- | --- | --- | --- |
| **键** | **值** | **必要** | **注释** |
| **rsp\_code** | **wrong\_arg**  **no\_such\_user**  **token\_overdate** | **Y** | **返回码** |
| **user** | **-** | **Y** | **最后修改时间** |
| **user\_info** | **-** | **Y** |
| **location** | **-** | **Y** |
| **travel** | **-** | **Y** |
| **note** | **-** | **Y** |
| **travel\_plan** | **-** | **Y** |