AppGo Web Server 架构&API

说明

1. 认证统一使用OAuth2
2. 所有的访问都是基于HTTPS的，请求链接默认为 `https://api.appgogo.cn`
3. 数据返回格式统一使用json
4. 需要授权的api，需要在Header中加入access_token
5. 使用Http Status Code表示状态
6. 涉及中文的请求时，统一使用UTF-8编码
7. 时间格式：`yyyy-MM-dd HH:mm:ss`，如"2007-06-28 11:16:11"

版本号选择

在header中请求时通过 `Accept` 头部附带版本号。

当前默认使用v1版本。

Example:

```
Accept: application/vnd.appgogo.v1+json
```

不同版本号只需要改变**Version**

Access Token的携带方式

于header中一起请求

Method	Header
GET/POST	Authorization: Bearer EzPouOmn8PYyzublk9fVbxuol2JQ8DX1rzOpQlVp

返回状态码规定

在Response Header中获取，标志请求的相应结果

GET （用于获取资源）

Status Code	Description
200	OK（body中附带内容）

POST （用于创建资源）

Status Code	Description
201	Created（请求已完成，并导致了一个或者多个资源被创建，用于创建资源）
202	Accepted（请求已经接收并开始处理，但是处理还没有完成）

PATCH （用于更新资源，由于这个方法不常用，同时支持POST请求）

Status Code	Description
204	No Content（处理已经完成，没有信息返回，用于更新资源）

Error

Status Code	Description
400	Bad Request（请求有错误，参数有误）
401	Unauthorize（未被认证）
404	Not Found（资源不存在）
409	Conflict（请求的资源发生冲突）
500	Internal Server Error（服务器内部错误）

错误

发生错误时，HTTP Status Code为主要标志

错误返回格式：

```
{
  "message": "404 Not Found"
}
```

API详情

用户验证

用户注册

Resource URI

```
/register
```

Example

```
1  POST /register
```

Request Properties

Property	Description	Type	Required	Default
mobile	注册手机号，需要带上国家代号	String	Y	-
nickname	用户昵称，3-20位	String	Y	-
password	登录密码，6-20位	String	Y	-
email	邮箱	String	Y	-
verify_code	手机接收到的验证码，长度为6位数字	String	Y	-

Status

```
1  201 Created
```

Response

```
1  {
2    "nickname": "test",
3    "mobile": "+8612345678900",
4    "email": "test@gmail.com"
5  }
```

用户登录

Resource URI

```
1  /login
```

Example

```
1  POST /login
```

Request Properties

Property	Description	Type	Required	Default
username	手机号码	String	Y	-
password	登录密码	String	Y	-
client_id	每个app的id不同，长度40位，由后端分发	String	Y	-
client_secret	每个app的secret不同，长度40位，由后端分发	String	Y	-
grant_type	认证形式，仅支持password	String	Y	password

> `client_id` 和 `client_secret` 用于app而不是web，每一个app的这两个值都不同，作用是区分app，请不要泄漏给用户。

Status

```
1  200 OK
```

Response

```
1  {
2    "access_token": "inhC0xgEfsXFf6zioT0tL85kPmHRprKwd4gH6S4m",
3    "token_type": "Bearer",
4    "expires_in": 604800,
5    "refresh_token": "pqKYJzE39up7zzOWkqOQjlVPp1LLhfVW8mNthzpU"
6  }
```

修改密码

Resource URI

```
1  /password
```

Example

```
1  POST /password
```

```
1  PATCH /password
```

Request Properties

Property	Description	Type	Required	Default
mobile	手机号码	String	Y	-
new_password	需要修改的新密码	String	Y	-
verify_code	手机验证码	String	Y	-

Status

```
1  204 No Content
```

短信认证 short message service

Resource URI

```
1  /sms
```

Example

```
1  POST /sms
```

Request Properties

Property	Description	Type	Required	Default
for	请求的目的	String	Y	{register | resetPassword}
mobile	需要验证的手机号	String	Y	-

Status

```
1  202 Accepted
```

Response

```
1  {
2    "for": "register",
3    "mobile": "+8612345678900"
4  }
```

游客模式 Tourist Mode

获取游客ID

Resource URI

```
1  /tourist/id/:platform/:client_id
```

Example

```
1 | GET /tourist/id/iOS/eDkO2ifdLJfdE95Fkfd
```

Request Properties

Property	Description	Type	Required	Default
platform	客户端平台	String	Y	{iOS | macOS | windows | android}
client_id	客户端当前平台的唯一ID	String	Y	-

Status:

```
1 | 200 OK
```

Response:

```
1 | {
2 |   "tourist_id": "iOS_58dd25ad8d8e29.92953341"
3 | }
```

套餐节点获取

国家列表

Resource URI

```
1 | /countries
```

Example:

```
1 | GET /countries
```

Status:

```
1 | 200 OK
```

Response:

```
1  [
2    {
3      "id": 1,
4      "name": "sin",
5      "alias_zh": "新加坡",
6      "alias_en": "Singapore"
7    }
8  ]
```

国家套餐

Resource URI

```
1  /country/:country_id/packages
```

Example:

```
1  GET /country/1/packages
```

Status:

```
1  200 OK
```

Response:

```
1  [
2    {
3      "id": 1,
4      "duration": 30,
5      "transfer": 32212254720,
6      "price": 30,
7      "apple_product_id": "com.Appgo.Appgo.item1"
8    }
9  ]
```

用户信息

需要认证，`Header` 中携带token，例如：

```
Authorization: Bearer EzPouOmn8PYyzublk9fVbxuol2JQ8DX1rzOpQlVp
```

Resource URI

```
1  /user
```

Example:
```

```
1  GET /user
```

Status:

```
1  200 OK
```

Response

```
1  {
2    "nickname": "Mr.hello",
3    "mobile": "+8612345678900",
4    "email": "test@test.com",
5    "acoin": 120,
6    "level": 1,
7    "created_at": "2016-12-13 11:27:18"
8  }
```

用户服务

需要认证，`Header`中携带token，例如：

```
Authorization: Bearer EzPouOmn8PYyzublk9fVbxuol2JQ8DX1rzOpQlVp
```

Resource URI

```
1  /user/services
```

Example

```
1  GET /user/services
```

Status

```
1  200 OK
```

Response

```
 1  [
 2    {
 3      "country": {
 4        "id": 1,
 5        "name": "SG",
 6        "alias_zh": "新加坡",
 7        "alias_en": "Singapore"
 8      },
 9      "ip": "123.4.2.44",
10      "method": "rc4-md5",
11      "port": 5001,
12      "passwd": "123456",
13      "transfer_enable": 53687091200,
14      "upload": 1232,
15      "download": 2434324,
16      "expire_time": "2016-10-29 03:28:37"
17    }
18  ]
```

购买流程

登录后的用户正常购买

需要认证，`Header`中携带token，例如：

```
Authorization: Bearer EzPouOmn8PYyzublk9fVbxuol2JQ8DX1rzOpQlVp
```

Resource URI

```
 1  /cart
```

Example

```
 1  POST /cart
```

Request Properties

Property	Description	Type	Required	Default
package_id	套餐ID	Integer	Y	-
payment_method	支付方式	String	Y	{alipay	acoin	itunes}

Status

```
 1  201 Created
```

Response

```
1   {
2     "package": {
3       "id": 1,
4       "duration": 30,
5       "transfer": 32212254720,
6       "price": 30.00
7     },
8     "payment_method": "alipay",
9     "trade_no": "20170305000050",
10    "fee": 30.00,
11    "url": "_input_charset=utf-
    8&body=AppGo%E5%8A%A0%E9%80%9F%E5%A5%97%E9%A4%90&notify_url=https%3A%2F
    %2Fapi.appgogo.cn%2Fapi%2Fv1%2Fpay%2Falipay%2Fnotify&out_trade_no=20170
    412000067&partner=2088221758202131&payment_type=1&seller_id=pay%40appso
    cks.cn&service=mobile.securitypay.pay&subject=AppGo%E5%8A%A0%E9%80%9F%E
    5%A5%97%E9%A4%90&total_fee=30.00&sign=M0i1lUjRWgz9zGsoOzfSiUi2dj7AIcKn6
    MGiJtU1%2BW6cdig5DqOGXmJm%2ByD21wb86FP4MT14DtO%2BlCD7Q6n4uEpLGT0Q2ZUtkg
    dNuDcIbK9IekjZ6Eaq3aDoL9jQcfgWyOobW516L3G7IwYAXtrHWRGWm215CmqenaG0kZEjI
    gU%3D&sign_type=RSA"
12  }
```

游客购买

不需要认证，但需要在header中提供 `tourist_id`，例如：

`Tourist-Id: iOS_58b67d6167e443.69710303`

Resource RUI

```
1   /tourist/cart
```

Example

```
1   POST /tourist/cart
```

Request Properties

Property	Description	Type	Required	Default
package_id	套餐ID	Integer	Y	-
payment_method	支付方式，只能通过iTunes支付	String	Y	itunes

Status

```
1   201 Created
```

Response

```
1  {
2    "package": {
3      "id": 1,
4      "duration": 30,
5      "transfer": 32212254720,
6      "price": 30.00
7    },
8    "payment_method": "itunes",
9    "trade_no": "20170305000050",
10   "fee": 20.00,
11   "url": "https://api.appgogo.com/pay/validate/itunes"
12 }
```

支付验证

iTunes

Resource URI

```
1  /pay/validate/itunes
```

Example

```
1  POST /pay/validate/itunes
```

Request Properties

Property	Description	Type	Required	Default
trade_no	订单号	String	Y	-
receipt	Apple的订单凭证	String	Y	-
hask_check	Hash加密后的苹果订单号，用来验证凭证的可靠。默认使用sha1加密，盐值为尾部添加 `@appgogo.cn`	String	Y	-

Status

```
1  200 OK
```

Response

```
1  {
2    "trade_no": "20170412000069",
3    "payment_method": "itunes"
4  }
```

iTunes支付开关

Resource URI

```
1   /pay/switch
```

Example

```
1   GET /pay/switch
```

Status

```
1   200 OK
```

Response

```
1   {
2     "content": "true"
3   }
```

获取配置文件

获取规则列表

Resource URI

```
1   /rules
```

Example

```
1   GET /rules
```

Status

```
1   200 OK
```

Response

```
1   [
2     {
3       "name": "international"
4     }
5   ]
```

获取详细规则

Resource URI

```
1  /rule/:name{/updated_at}
```

Example

```
1  GET /rule/global{/updated_at}
```

Request Properties

Property	Description	Type	Required	Default
name	规则名称	String	Y	{national | international}

Status

```
1  200 OK
```

Response

```
1  {
2    "name": "national",
3    "content": "some rules",
4    "updated_at": "2016-11-24 22:44:46"
5  }
```

```
1  {
2    "name": "national",
3    "updated_at": "2016-11-24 22:44:46"
4  }
```

服务相关

通知推送

Resource URI

```
1  /notifications
```

Example

```
1  GET /notifications
```

请求可以附带参数对pagination进行指定。

`page` 表示第几页，若为负数或零则显示第一页，若超过总页数，则data返回为null；

`per_page` 表示每页多少条目，默认请求每页10个条目，最大条目不可超过100。

```
GET /notifications?page=1&per_page=15
```

Status

```
200 OK
```

Response

```
{
  "per_page": 10,
  "current_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [
    {
      "id": 6,
      "title": "app",
      "content": "content",
      "updated_at": "2016-12-20 13:49:18"
    },
    {
      "id": 5,
      "title": "app",
      "content": "content",
      "updated_at": "2016-12-20 13:48:31"
    }
  ]
}
```

常见问题 FAQ

Resource URI

```
/faqs
```

Example

```
GET /faqs
```

Status

```
200 OK
```

Response

```json
{
  "per_page": 10,
  "current_page": 1,
  "next_page_url": "http://api.appgogo.com/faqs?page=2",
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [
    {
      "id": 2,
      "title": "re",
      "content": "rerefefefe",
      "updated_at": "2016-12-06 22:10:34"
    },
    {
      "id": 3,
      "title": "test",
      "content": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.",
      "updated_at": "2016-12-20 13:46:31"
    }
  ]
}
```

关于我们

Resource URI

```
/aboutus
```

Example

```
GET /aboutus
```

Status

```
200 OK
```

Response

```
1  {
2      "content": "some words"
3  }
```

服务条款 TOS

Resource URI

```
1  /tos
```

Example

```
1  GET /tos
```

Status

```
1  200 OK
```

Response

```
1  {
2      "content": "some words"
3  }
```