

mig.me OAuth2 API

ver 1.1

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Authentication

Mig.me provides OAuth2 authentication via the following endpoints:

Authentication: <https://oauth.mig.me/oauth/auth>

Token: <https://oauth.mig.me/oauth/token>

Test-client

You may use the clientId: 309f818242abae8fdd1b
for testing an implementation

The callback url for this client is set to: <http://localhost:8080/oauth/callback>
so you can run it against a local machine

This client is only allowed to use the scope: test-scope

Example

Start with a request to the auth endpoint like so:

GET

https://oauth.mig.me/oauth/auth?client_id=309f818242abae8fdd1b&redirect_uri=http%3A%2F%2Flocalhost%3A8080%2Foauth%2Fcallback&scope=test-scope&response_type=code

Then, you should get an auth code on your callback url (as a GET request).
Once you have the auth code, send it back to the token endpoint together with the client id, redirect url and grant type (as a POST request):

POST

<https://oauth.mig.me/oauth/token>

Content-Type: application/x-www-form-urlencoded

```
code=<the auth code you received>&
client_id=309f818242abae8fdd1b&
redirect_uri=http://localhost:8080/oauth/callback&
grant_type=authorization_code
```

If all goes well, you will get the token as a JSON response.

Client

Requirements for an OAuth2 client:

- Name
- Description
- Callback URLs
- Scopes

With this information mig.me can add an oauth client for you to use. We'll provide the required `clientId` and `clientSecret` for you.

Scopes

Available scopes of the API

(please specify the required scopes for your client)

resource desc	resource	scope
testing purpose	/test/auth /test/user	test-scope
get user profile information	/user/profile /user/friends	profile
invite friends on user's behalf	/event/invite	invite

make post on user's behalf	/post/create	miniblog
bill user	/user/bill	payment
get user's credit balance	/user/credit	credit
submit event	/event/submit	event

APIs

Required http headers:

- Content-Type: application/json
- Authorization: Bearer <access_token>

Optional query string:

- access_token

Getting Profile API

This API is used to get a user's profile.

Endpoint: GET <https://mig.me/datasvc/API/user/profile>

Parameters

N/A

Results

- Successful result returns a JSON data object with the following fields:

```

int    id
string username
string alias
string firstName
string lastName
string dateOfBirth
string dateRegistered
enum   gender      (MALE, FEMALE)
int    migLevel
string migBotImage
int    displayPictureType
int    numOfFriends
int    numOfFollowers
int    numOfFollowing
string externalEmail

```

bool externalEmailVerified
string avatarPictureUrl
string avatarHeadPictureUrl
string profilePictureUrl

- Unsuccessful result returns an error code
{{{ DOCUMENT ERROR CODE + MEANING }}}

Sample Output

```
$ curl -XGET -H "Authorization: Bearer  
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026"  
https://mig.me/datasvc/API/user/profile
```

```
{"data":{"id":195711603,"username":"chernjie","firstName":"cj","lastName":"lim","dateRegistered":"2013-01-24","migLevel":15,"migBotImage":"rank-migbot-red-15","displayPictureType":1,"labels":{"map":{"merchant":"M"}}, "numOfFriends":213,"numOfFollowers":0,"numOfFollowing":0,"externalEmail":"weizhiwei2013@gmail.com","externalEmailVerified":true,"avatarPictureUrl":"http://img.qalab.projectgoth.com/avatar/chernjie","avatarHeadPictureUrl":"http://img.qalab.projectgoth.com/a/chernjie","profilePictureUrl":"http://img.qalab.projectgoth.com/u/chernjie","country":"Singapore"}}
```

Getting Friends API

This API is used to get a user's friends in mig.me.

Endpoint: GET <https://mig.me/datasvc/API/user/friends>

Parameters

limit: the maximum number of entries in the result list, use -1 to get all friends
offset: the index of the first entry in the result list, used for pagination

Results

- Successful result returns a JSON data object with the following fields:
Same as in Getting Profile API.

- Unsuccessful result returns an error code
{{{ DOCUMENT ERROR CODE + MEANING }}}

Sample Output

```
$ curl -XGET -H "Authorization: Bearer  
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026"  
https://mig.me/datasvc/API/user/friends?limit=3&offset=10
```

```
{
  "data": {
    "numOfGroupsJoined": 0,
    "numOfWatchedPosts": 0,
    "numOfPosts": 0,
    "migLevel": 3,
    "emailAllSetting": 1,
    "numOfBadgesUnlocked": 0,
    "id": "195713781",
    "username": "fluffycatfifi",
    "numOfAvatarVotesReceived": 0,
    "avatarBodyUuid": "ZouPZuoppogK.GeU_odO.fazxtso-",
    "mig33Email": "fluffycatfifi@mig33.com",
    "numOfUserLikesReceived": 0,
    "avatarHeadUuid": "ZHouPZuoppogK.GeU_odO.fazxtso-",
    "migBotImage": "rank-egg-3",
    "labels": {},
    "numOfChatroomsOwned": 0,
    "numOfFollowing": 0,
    "displayPictureType": 1,
    "numOfMigPhotosUploaded": 0,
    "numOfFootprintsReceived": 0,
    "numOfAvatarCommentsReceived": 0,
    "numOfFriends": 6,
    "country": "Malaysia",
    "relationship": 0,
    "dateRegistered": "2013-03-25",
    "_version": "1.0",
    "numOfFollowers": 0,
    "_privacy": {
      "feed": 1,
      "chat": 2
    },
    "numEmoticonPacks": 0,
    "numOfGamesPlayed": 0,
    "coverPhotoUrl": "http://www.lc.qa.lab.projectgoth.com/b/debug/app/images/profile_image_03.png",
    "numOfGiftsReceived": 30
  }
}
```

Making Migbo Post API

This API is used to make a mig.me post on the user's behalf.

Endpoint: POST <https://mig.me/datasvc/API/post/create>

Parameters

body: Body of the post. The character limit is 300.

originality: Type of post. Possible values are: 1 (ORIGINAL), 2 (REPLY), 3 (RESHARE)

reply_permission: Determines whether other users are allowed to reply to your post.

Possible values are: 0 (EVERYONE), 1 (NONE)

privacy: Determines who can see your post. Possible values are: 0 (EVERYONE), 1 (FRIENDS), 2 (AUTHOR_ONLY)

For posts with image uploading:

filedata: the full path to the image file

filename: the file name of the image file

jsondata: the same as in a normal post

Results

- Successful result returns a JSON data object with the following fields:

id: the id of the newly created post.

- Unsuccessful result returns an error code

{{{ DOCUMENT ERROR CODE + MEANING }}}}

Sample Output

```
$ curl -XPOST -H "Authorization: Bearer
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026" -H
"Content-Type:application/json" -d '{"body":"@chernjie
http://www.youtube.com/watch?v=yCltaFKi6g8 This is a test
```

```
post", "privacy":0, "reply_permission":0, "originality":1, "_version":"1.0", "location":{"latitude":0.0, "longitude":0.0, "displayName":"test"}}' https://mig.me/datasvc/API/post/create
```

```
{"data":{"id":"195711603-1412914070437"}}
```

```
$ curl -XPOST -H "Authorization: Bearer 852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026" --form filedata=@/Users/zhiweiwei/Downloads/13117450474_acd77931fa_o.jpg --form filename=13117450474_acd77931fa_o.jpg --form jsondata={"body":"@chernjie This is a test post with image", "privacy":0, "reply_permission":0, "originality":1, "_version":"1.0", "location":{"latitude":0.0, "longitude":0.0, "displayName":"test"}}' https://mig.me/datasvc/API/post/create
```

```
{"data":{"id":"195711603-1412924022336"}}
```

Inviting Friends API

This API is used to invite friends to join mig.me on a user's behalf.

Endpoint: POST <https://mig.me/datasvc/API/event/invite>

Parameters

method: Currently only support '@email'
confirmToInvitationEngine: Must be 'true'

destinations:

if invitationEmailType == 6 (invite to join mig):

then destinations should be Friends' email and referral ID (any reference code for future tracking) pairs

else if invitationEmailType == 14 (invite to try mig games):

then destinations can be either Friends' migme username or email address, and referral ID (any reference code for future tracking) pairs. If the string contains an '@' character, then it is considered an email address. Otherwise it is treated as a migme username, and the invitation email will be sent to this user's primary email (the one listed in her settings page).

invitationEmailType: 6 for 'invite friends to join mig.me'; 14 for 'invite friends to try migme games'

thirdPartyAppID: Specify 1 for now

Results

- Successful result returns a JSON data object with the following fields:

"ok" to indicate the invitation has been successfully sent

- Unsuccessful result returns an error code
{{{ DOCUMENT ERROR CODE + MEANING }}}

Sample Output

```
$ curl -XPOST -H "Authorization: Bearer  
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026" -H  
"Content-Type:application/json" -d '{"destinations":{"weizhiwei2013@gmail.com":"referralIdA",  
"weizhiwei@gmail.com":"referralIdB"}, "invitationEmailType":6, "thirdPartyAppID":1}'  
"https://mig.me/datasvc/API/event/invite?method=@email&confirmToInvitationEngine=true"
```

```
{"data":"ok","error":{"errno":0}}
```

```
curl -H "Authorization: Bearer  
4d956c598ec04567bbd8ebf4a69a76a2bfcdd33a79424e17a83dd3b4aa4324ed" -H  
"Content-Type:application/json" -d '{"destinations":{"hydrogen2":"referralIdA",  
"migbot101":"referralIdB", "h2shadow":"c", "jthlim":"d"}, "invitationEmailType":14,  
"thirdPartyAppID":1}'  
"https://mig.me/datasvc/API/event/invite?method=@email&confirmToInvitationEngine=true"
```

```
{"data":"ok","error":{"errno":0}}
```

Billing API

This API is used to deduct migcredits from a user.

Endpoint: <https://mig.me/datasvc/API/user/bill>

Parameters

- reference: Pass in any reference code stored for future tracking
- description: User visible description that they will see in their billing history
- currency: Three letter currency code, e.g., USD, SGD, AUD
- amount: Value to deduct from user

Results

- Successful result returns a JSON data object with the following fields:

- result:
- id: the id of the payment

- Unsuccessful result returns an error code
{{{ DOCUMENT ERROR CODE + MEANING }}}

Sample Output

```
$ curl -XPOST -H "Authorization: Bearer
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026" -H
"Content-Type:application/json" -d
'{"reference":"ref1","description":"desc","currency":"SGD","amount":8.5}'
https://mig.me/datasvc/API/user/bill
```

```
{"data":{"id":1427283043}}
```

Submitting Event API

This API is used to submit events conducted by or happened to a user in the client application to migme.

Endpoint: <https://mig.me/datasvc/API/event/submit>

Parameters

type: GAME_STARTED/GAME_ITEM_PURCHASED/GAME_WON
amount: Value (float). For GAME_STARTED/GAME_WON, should be the amount of money or credit the user spent (or earned) on the game each time. For GAME_ITEM_PURCHASED should be the total amount the user spent in purchasing the items.

Parameters exclusive to GAME_ITEM_PURCHASED:

quantity: item quantity the user has purchased (int)
item_name: name or reference for the purchased item
purchase_ref: Pass in any reference code stored for future tracking of the purchase

Results

- Successful result returns a JSON data object with the following fields:

“ok” to indicate the event has been successfully submitted

- Unsuccessful result returns an error code

```
{{{ DOCUMENT ERROR CODE + MEANING }}}}
```

Sample Output

```
curl -XPOST https://mig.me/datasvc/API/event/submit -d
'{"type":"GAME_ITEM_PURCHASED","game_vendor":"vendor","game_ref":"game1","player_
name":"player2","item_name":"item3", "purchase_ref":"purchase4", "quantity":2,
"amount":100.23}' -H "Content-Type: application/json" -H "Authorization: Bearer
852fe10712f44658b5d3598e03f24ce8981911189fb547ed9ce30260070a6026"
```

Get User Credit API

This API is used to get a user's credit balance in her mig account.

Endpoint: <https://mig.me/datasvc/API/user/credit>

Parameters

N/A

Results

- Successful result returns a JSON data object with the following fields:
 - balance: the account balance in the user's mig account
 - exchangeRate: exchange rate to AUD (i.e., 1 AUD = exchangeRate of this currency)
- Unsuccessful result returns an error code
{{{ DOCUMENT ERROR CODE + MEANING }}}}

Sample Output

```
curl -H "Authorization: Bearer  
545d7dee328d45e9a3049c1fe553c0a89d1fe566086b48cf8bbf3303d58d614d"  
"https://mig.me/datasvc/API/user/credit"
```

```
{"data":{"balance":119.02,"currency":{"symbol":"S$","exchangeRate":1.0818,"name":"Singapore Dollars","lastUpdated":1418601600000,"code":"SGD"},"error":{"errno":0}}
```