



imgur

imgur API

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# The imgur API is open source

- It exposes the entire imgur infrastructure
- This allows for the designing of apps using the infrastructure

# Imgur API as a RESTful service

- It is a RESTful API based on HTTP requests and XML or JSON responses
- This is very similar to the Twitter API

# Imgur python client

- The python client allows for communication with the imgur servers.
- It can be installed using the command

```
pip install imgurpython
```

# Imgur python client

- Using the python client, simple requests can be made
- By contacting the imgur servers, a dump of image URLs can be acquired

# Rate Limits

- The Imgur API is rate limited.
- Allows free users to make 12,500 requests per day.
- If max limit is hit 5 times in a month, the app is blocked for the rest of the month.

# Example

- An example code segment to grab all gallery images from the front page is as follows:

```
1 from imgurpython import ImgurClient~
2 ~
3 client_id = '59d24f25f01ac32'~
4 client_secret = 'f285280b984547ef783cae61ade48b6537a936c7'~
5 ~
6 client = ImgurClient(client_id, client_secret)~
7 ~
8 # Example request (front page)~
9 items = client.gallery()~
10 for item in items:~
11     print(item.link)~
```

# Output

```
http://i.imgur.com/KDbE6y6.jpg
http://i.imgur.com/R2zAIJT.jpg
http://i.imgur.com/ztIJsgw.jpg
http://i.imgur.com/z2310nM.jpg
http://imgur.com/a/K1LFj
http://imgur.com/a/yi02A
http://i.imgur.com/pqJ5X13.jpg
http://i.imgur.com/DqkuuHr.jpg
http://i.imgur.com/Z79Fgxi.png
http://imgur.com/a/p8uF5
http://i.imgur.com/55hnNXI.jpg
http://i.imgur.com/ujfqjM5.jpg
http://i.imgur.com/v94oDxG.jpg
http://i.imgur.com/nNwTYF2.jpg
http://i.imgur.com/a09gpzQ.jpg
http://imgur.com/a/P4Ape
http://i.imgur.com/HBLh1hF.jpg
http://i.imgur.com/LY3JW2J.jpg
http://imgur.com/a/kxuch
http://i.imgur.com/aEVZJtF.jpg
http://i.imgur.com/ejbGEh2.gif
http://imgur.com/a/AG36Z
http://i.imgur.com/T0AVSTa.jpg
```

- This is the output from the Front Page
- Notice that it is a simple list of web URLs



## For more complex functions

- To perform more complex actions, endpoints can be used
- A website called MashApe is what Imgur uses to expose its endpoints.

# MashApe

- This site helps expose the possible endpoints with the API

**Imgur** ★

imgur http://api.imgur.com Entertainment Created: September 2012

477 DEVELOPERS 525 FOLLOWERS

Imgur's API exposes the entire Imgur infrastructure via a standardized programmatic interface. Using Imgur's API, you can do just about anything you can do on imgur.com, while using your programming language of choice. If you're familiar with the APIs ... [Read more](#)

[REPORT BROKEN API](#)

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## Account

### GET Account

GET Account Album Count

DELETE Account Album Deletion

GET Account Album Ids

GET Account Album Information

GET Account Albums

DELETE Account Comment Deletion

GET Account Comments

DELETE Account Deletion

POST Account Creation

GET Account Favorites

GET Account Gallery Favorites

GET Account Gallery Profile

### HEADER Authentication

OAuth 2.0

#### AUTHENTICATION HEADERS

#### Authorization

The OAuth 2.0 Authorization Header. Requires Bearer :token

### ACCOUNT

#### Account

Request standard user information.

#### URL PARAMETERS

[CURL](#) [JAVA](#) [NODE](#) [PHP](#) [PYTHON](#) [OBJECTIVE-C](#) [RUBY](#) [.NET](#) [OPEN IN PAW](#)

ENDPOINT DEFINITION

[Click here for help](#) ^

GET https://imgur-apiv3.p.mashape.com/3/account/{username}

# MashApe

- There are several types of examples to show which web-service you might wish to use.

[CURL](#) [JAVA](#) [NODE](#) [PHP](#) [PYTHON](#) [OBJECTIVE-C](#) [RUBY](#) [.NET](#) [OPEN IN PAW](#)

# MashApe

- > Comment
- > Gallery
- > Album
- > Image
- > Notification
- > Custom Gallery
- > Conversation
- > Memegen

- There are endpoints to show how to deal with comment threads, gallery images, albums, notifications, and more.

# Endpoints

general information  
authentication and oauth 2.0

## api endpoints

account  
album  
comment  
custom gallery  
gallery  
image  
conversation  
notification  
memegen  
topic

data models  
global parameters  
performance tips  
error handling

- There is also a list of the endpoints on [api.imgur.com](https://api.imgur.com)
- These help give a more firm understanding of their purposes and uses

# Example cURL Command

- An example command to return all images associated with an account
- `curl --get --include 'https://imgur-api-v3.p.mashape.com/3/account/{username}/images/{page}'`

# Example cURL Command

- Output:

```
{
  "data": {
    "id": "SbBGk",
    "title": "new title 1",
    "description": "it worked!",
    "datetime": 1341533193,
    "type": "image/jpeg",
    "animated": "false",
    "width": 2559,
    "height": 1439,
    "size": 521916,
    "views": 1,
    "bandwidth": 521916,
    "deletehash": "eY0ERNNJHsbreDa"
  },
  "success": true,
  "status": 200
}
```