



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.
- o 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/DakuuHr.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/HBLhlhF.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/TOAVSTa.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 Imguruses to expose its endpoints.

MashApe

• This site helps expose the possible endpoints with the API





📤 imgur 😯 http://api.imgur.com 🗣 Entertainment 🥥 Created: September 2012

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

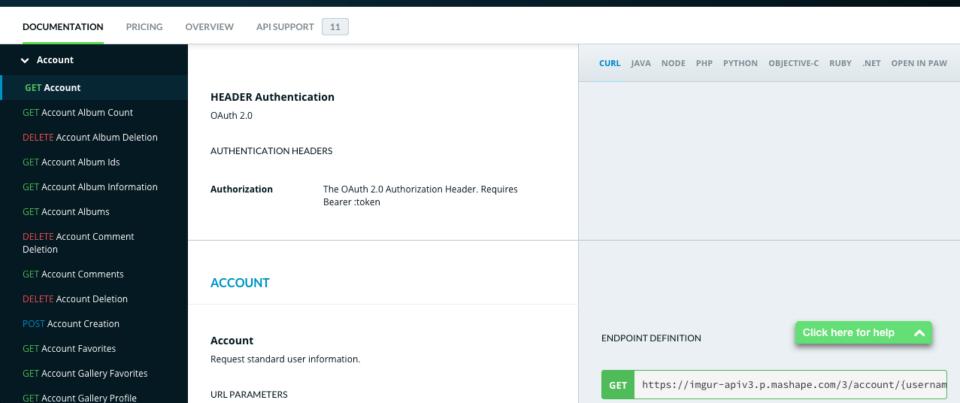
REPORT BROKEN API

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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.

```
general information
authentication and oauth 2.0
api endpoints
  account
  album
  comment
  custom gallery
  gallery
  conversation
  notification
  memegen
  topic
data models
global parameters
performance tips
error handling
```

Endpoints

- There is also a list of the endpoints on 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://imgurapiv3.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
```