
pyupyun Documentation

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Contents:

Client

class `upyun.UpYun` (*bucket, auth, stype, api_host=4, domain=None, ssl=False*)
 Feature complete UpYun REST client

Parameters

- **bucket** (*str*) – Your bucket
- **auth** – (*username, passwd*) pair or any object derived from `requests.auth.AuthBase`
- **stype** – The space type, `SPACE_TYPE_FILE` or `SPACE_TYPE_IMAGE`
- **api_host** – API host to use, see *API Hosts*
- **domain** (*str*) – Your custom domain
- **ssl** (*bool*) – Whether to use SSL

Usage:

```
client = UpYun('test', ('user', 'pass'), const.SPACE_TYPE_FILE)
client.put('/test.txt', open('/tmp/test.txt'))
```

_digest (*data*)

_get_data (*fileo*)

_get_file_url (*path*)

_get_url (*path*)

_prepare_put_request (*path, fileo, mkdir, mimetype, secret, verify, headers=None*)
 Prepare the put request

_prepare_session (*auth, ssl*)

api_host

delete (*path*)

Delete a file or an empty folder

Parameters path – Path of the file or folder to delete

Return type `Response`

get (*path*)
Get a file

Parameters **path** – Path of the file to retrieve

Return type `GetResponse`

info (*path*)
Retrieve file info

Return type `InfoResponse`

ls (*path*)
List contents of a folder

Parameters **path** – Path to the folder

Return type `LsResponse`

mkdir (*path, mk_parent=True*)
Create a folder on server

Parameters

- **path** – Folder path
- **mk_parent** – Whether to create the parent folder if not existed

Return type `Response`

put (*path, fileo, mkdir=True, mimetype=None, secret=None, verify=True, headers=None*)
Put an file onto the server

Parameters

- **path** – File path on the server
- **fileo** – File like object of the file to upload
- **mkdir** – Whether to make the parent folder if not existed
- **mimetype** – Mime-type of the file, used by server to determine the extension of the file
- **secret** – Secret for user to later access the file uploaded
- **verify** – Whether to verify the file integrity using md5 hashing
- **headers** – Additional headers

Return type `Response` or `PutImageResponse`

put_thumbnail (*path, fileo, version=None, ttype=None, res=None, quality=None, sharpen=None, **kwargs*)

Put an image as a thumbnail on the server, the original image will not be uploaded

Parameters

- **path** – Thumbnail path on the server
- **fileo** – File like object of the image
- **version** – Predefined thumbnail version name
- **ttype** – Thumbnail type, see `THUMB_TYPES`
- **res** (*tuple*) – Image resolution, format: (width, height)
- **quality** – Image quality, default: 90
- **sharpen** (*bool*) – Whether to sharpen the image

Return type `PutImageResponse`

session = None

The `requests.Session` object to use for the API requests

stype

usage ()

Retrieve the space usage info

Return type `UsageResponse`

Responses

2.1 Response

class `upyun.response.ResponseBase` (*response, url*)

A response of successfully uploading image, contains extra info of the uploaded image

Parameters

- **response** (`requests.Response`) – Response from UpYun
- **url** (*str*) – URL of the file on the UpYun

`_get_header_with_prefix` (*name*)

`_populate_error` ()

error = None

Error of the request, a tuple in the form of (<status code>, <error message>)

response = None

Raw `requests.Response` from UpYun

success

Whether the API request is successful

url = None

URL of the file on the UpYun

class `upyun.response.Response` (*response, url*)

Bases: `upyun.response.ResponseBase`

class `upyun.response.PutImageResponse` (*response, url*)

Bases: `upyun.response.ResponseBase`, `upyun.response.ImageInfoMixin`,
`upyun.response.FileTypeMixin`

class `upyun.response.InfoResponse` (*response, url*)

Bases: `upyun.response.ResponseBase`, `upyun.response.FileInfoMixin`,
`upyun.response.FileTypeMixin`

class `upyun.response.UsageResponse` (*response, url*)

Bases: `upyun.response.ResponseBase`, `upyun.response.UsageMixin`

class `upyun.response.GetResponse(response, url)`
Bases: `upyun.response.ResponseBase`, `upyun.response.GetMixin`

class `upyun.response.LsResponse(response, url)`
Bases: `upyun.response.ResponseBase`, `upyun.response.LsMixin`

2.2 Mixin

class `upyun.response.ImageInfoMixin`

frames

Frames of the image

Return type `int` or `None`

height

Height of the image

Return type `int` or `None`

width

Width of the image

Return type `int` or `None`

class `upyun.response.FileInfoMixin`

date

File created date

Return type `datetime.datetime` or `None`

size

File size

Return type `int` or `None`

class `upyun.response.UsageMixin`

usage

Usage of the space in bytes

Return type `int` or `None`

class `upyun.response.FileTypeMixin`

type

File type of the queried path

`FILE_TYPE_FILE` or `FILE_TYPE_FOLDER`

class `upyun.response.GetMixin`

data

Data of the downloaded file

class `upyun.response.LsMixin`

files

Files in the directory

Key is the file name, value is `FileInfo`

Return type `dict`

folders

Folders in the directory

Key is the folder name, value is `FileInfo`

Return type `dict`

stuffs

All the stuffs in the directory

Key is file or folder name, value is `FileInfo`

Return type `dict`

class `upyun.response.LsMixin.FileInfo`

A namedtuple representing the file info

Fields:

name File name

path File path

url File URL

type `FILE_TYPE_FILE` or `FILE_TYPE_FOLDER`

size File size

mtime Last modified time

Authentication

```
class upyun.auth.UpYunDigestAuthentication(user, passwd)
```

UpYun signature digest authentication implemented for *requests*

Parameters

- **user** (*str*) – Username
- **passwd** (*str*) – Password

```
__call__(r)
```

```
AUTH_STR = 'UpYun'
```

```
__get_content_length(r)
```

Constants

API Hosts:

`upyun.const.API_HOST_TELECOM`
Host of telecom()

`upyun.const.API_HOST_NETCOM`
Host of netcom()

`upyun.const.API_HOST_RAILCOM`
Host of railcom()

`upyun.const.API_HOST_AUTO`
Auto host()

Space Types:

`upyun.const.SPACE_TYPE_FILE`
File space

`upyun.const.SPACE_TYPE_IMAGE`
Image space

File Types:

`upyun.const.FILE_TYPE_FILE`
File type

`upyun.const.FILE_TYPE_FOLDER`
Folder type

See Also:

[API v1.5PDF](#)

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