
python-whatanime

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CONTENTS

1	Reference	3
1.1	WhatAnime.whatanime module	3
1.2	WhatAnime.types module	4
1.3	WhatAnime.exception module	5
1.4	Module contents	6
2	Indices and tables	7
	Python Module Index	9
	Index	11

An opensource and unofficial python wrapper for api.trace.moe API.

REFERENCE

1.1 WhatAnime.whatanime module

Client class for the wrapper author: Joker Hacker

class `WhatAnime.whatanime.Client`(*token: Optional[str], host: str = 'https://api.trace.moe'*)
Bases: `object`

This class, interacts with the API

Note: The API server has a global request rate limit of 60/min per IP address. Regardless of which url endpoint you're calling. This is always counted by IP address, even if you request with an API Key.

The rate limit info is included in the HTTP header. If you hit this HTTP rate limit, request would fail with HTTP 429 (Too Many Requests).

Parameters

- **token** (`str`, optional) – The API token to use to make requests.
- **host** (`str`, optional) – Hostname of the API to use incase you have your own server setup
Defaults to `api.trace.moe`

Raises

- **ValueError** – If image is empty or Token invalid.
- **ImageSizeTooLargeError** – when given image size is larger than 10MB.
- **QuotaExceedError** – When you reached your Quota limit for your IP/Token or too many requests.
- **APIError** – When Image is corrupted or Something went wrong on API's end.

get_me() → `WhatAnime.types.User`

Let you check the search quota and limit for your account (with API key) or IP address (without API key).

Returns The Dictionary of User Data

Return type `WhatAnime.types.User`

search_file(image) → `WhatAnime.types.WAResponse`

Search using file.

Parameters **image** (`str`) – Pass the location of image/video file, ex: `search_file("image.jpeg")`

Returns Response object from the server which contains frameCount, error and [WhatAnime.types.Result](#) object

Return type [WhatAnime.types.WAResponse](#)

search_url(url: str, anilist: bool) → [WhatAnime.types.WAResponse](#)

Search using url.

Parameters

- **url** (str) – url of the image/video to use for request.
- **anilist** (bool, optional) – Pass True if you want to include anilist information

Returns Response object from the server which contains frameCount, error and [WhatAnime.types.Result](#) object

Return type [WhatAnime.types.WAResponse](#)

1.2 WhatAnime.types module

class [WhatAnime.types.Anilist](#)(id: int, idMal: int, title: Dict[str, str], synonyms: List[str], isAdult: bool, **kwargs)

Bases: [WhatAnime.types.WhatAnimeType](#)

class [WhatAnime.types.Result](#)(anilist: Union[int, [WhatAnime.types.Anilist](#)], filename: str, episode: Any, from_time: int, to_time: int, similarity: int, video: str, image: str, **kwargs)

Bases: [WhatAnime.types.WhatAnimeType](#)

This object represents a Result for [WhatAnime.types.WAResponse](#)

Parameters

- **anilist** (int | [WhatAnime.types.Anilist](#)) – The matching anilist ID or Anilist Info, which contains information about id, idMal, title, synonyms and isAdult
- **filename** (str) – The filename of file where the match is found
- **episode** (Any) – The extracted episode number from filename.
- **from_time** (int) – Starting time of the matching scene (seconds)
- **to_time** (int) – Ending time of the matching scene (seconds)
- **similarity** (int) – Similarity compared to search image
- **video** (str) – URL to the preview video of the matching scene
- **image** (str) – URL to the preview image of the matching scene

class [WhatAnime.types.User](#)(id: str, priority: int, concurrency: int, quota: int, quotaUsed: int, **kwargs)

Bases: [WhatAnime.types.WhatAnimeType](#)

This object represents a User

Parameters

- **id** (str) – User ID
- **priority** (int) – With limited processing power available, the server has priority queue to handle requests
- **concurrency** (int) – The number of simultaneous (parallel) requests you can make to the API server

- **quota** (int) – Quota remaining for the IP or given token
- **quotaUsed** (int) – Quota used for the IP or given token

class WhatAnime.types.WAResponse(*frameCount: int, error: Optional[str], result: List[WhatAnime.types.Result], **kwargs*)

Bases: *WhatAnime.types.WhatAnimeType*

This object represents Response from API.

Parameters

- **frameCount** (int) –
- **error** (str) – Error Message
- **result** (List) – List of *WhatAnime.types.Result* Object, which contains all the information about the search request.

class WhatAnime.types.WhatAnimeType

Bases: object

Base class for all WhatAnime objects

1.3 WhatAnime.exception module

exception WhatAnime.exception.APIError

Bases: *WhatAnime.exception.WhatAnimeError*

Raises when an error occurs on the API.

exception WhatAnime.exception.ImageSizeTooLargeError

Bases: *WhatAnime.exception.WhatAnimeError*

Raises when an image uploaded was too large for the API.

exception WhatAnime.exception.InvalidToken

Bases: *WhatAnime.exception.WhatAnimeError*

Raises when API token is invalid

exception WhatAnime.exception.QuotaExceedError

Bases: *WhatAnime.exception.WhatAnimeError*

Raises when daily quota for requests has been reached.

exception WhatAnime.exception.WhatAnimeError

Bases: Exception

Base exception class for this module.

1.4 Module contents

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

PYTHON MODULE INDEX

W

`WhatAnime`, [6](#)

`WhatAnime.exception`, [5](#)

`WhatAnime.types`, [4](#)

`WhatAnime.whatanime`, [3](#)

INDEX

A

Anilist (*class in WhatAnime.types*), 4
APIError, 5

C

Client (*class in WhatAnime.whatanime*), 3

G

get_me() (*WhatAnime.whatanime.Client method*), 3

I

ImageSizeTooLargeError, 5
InvalidToken, 5

M

module
 WhatAnime, 6
 WhatAnime.exception, 5
 WhatAnime.types, 4
 WhatAnime.whatanime, 3

Q

QuotaExceedError, 5

R

Result (*class in WhatAnime.types*), 4

S

search_file() (*WhatAnime.whatanime.Client method*), 3
search_url() (*WhatAnime.whatanime.Client method*), 4

U

User (*class in WhatAnime.types*), 4

W

WResponse (*class in WhatAnime.types*), 5
WhatAnime
 module, 6
WhatAnime.exception

 module, 5
WhatAnime.types
 module, 4
WhatAnime.whatanime
 module, 3
WhatAnimeError, 5
WhatAnimeType (*class in WhatAnime.types*), 5