
torrent-download

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TORRENT_DOWNLOAD PACKAGE

1.1 Subpackages

1.1.1 torrent_download.download package

Submodules

torrent_download.download.QBittorrentDownloader module

```
class torrent_download.download.QBittorrentDownloader.QBittorrentDownloader (url:  
str,  
user-  
name:  
str,  
pass-  
word:  
str,  
down-  
load_dir:  
str)
```

Bases: object

Class that uses the qBittorrent Server API to download torrents

```
__init__ (url: str, username: str, password: str, download_dir: str)
```

Parameters

- **url** –
- **username** –
- **password** –
- **download_dir** –

```
download (torrents: List[torrent_download.entities.TorrentDownload.TorrentDownload])
```

Downloads a list of torrent files :param torrents: The torrents to download :return: None

```
classmethod from_config () → torrent_download.download.QBittorrentDownloader.QBittorrentDownloader
```

Returns A QBittorrentDownloader object based on the stored configuration files

Module contents

1.1.2 torrent_download.entities package

Submodules

torrent_download.entities.TorrentDownload module

```
class torrent_download.entities.TorrentDownload.TorrentDownload (torrent_info:
                                                                tor-
                                                                rent_download.entities.TorrentInfo.Tor
                                                                destina-
                                                                tion_dir:
                                                                str,  destina-
                                                                tion_filename:
                                                                Optional[str]
                                                                = None)
```

Bases: object

Class used to store all information required for downloading a torrent

```
__init__ (torrent_info: torrent_download.entities.TorrentInfo.TorrentInfo, destination_dir: str, destination_filename: Optional[str] = None)
```

Initializes the TorrentDownload object :param torrent_info: The torrent information :param destination_dir: The destination directory :param destination_filename: Optional filename, if not provided will be automatically inferred

```
add_extension (ext: str)
```

Adds an extension to the destination filename :param ext: The extension to add :return: None

torrent_download.entities.TorrentInfo module

```
class torrent_download.entities.TorrentInfo.TorrentInfo (filename: Optional[str],
                                                         torrent_file: Optional[str],
                                                         magnet_link: Optional[str],
                                                         size: Optional[int])
```

Bases: object

Class that stores information for a torrent

```
__init__ (filename: Optional[str], torrent_file: Optional[str], magnet_link: Optional[str], size: Optional[int])
```

Initializes the torrent info object :param filename: The name of the file for the torrent :param torrent_file: The link to the torrent file :param magnet_link: A magnet link to the torrent :param size: The size of the file in bytes

Module contents

1.1.3 torrent_download.search package

Submodules

torrent_download.search.NyaaSearchEngine module

class torrent_download.search.NyaaSearchEngine.**NyaaSearchEngine**

Bases: *torrent_download.search.SearchEngine.SearchEngine*

Search engine for nyaa.si

classmethod **name** () → str

Returns The name of the search engine

search (*search_term*) → List[*torrent_download.entities.TorrentInfo.TorrentInfo*]

Performs the actual search :param search_term: The term to search for :return: The search results

torrent_download.search.SearchEngine module

class torrent_download.search.SearchEngine.**SearchEngine**

Bases: object

Specifies the methods a search engine needs to be able to do

classmethod **name** () → str

Returns The name of the search engine

search (*search_term*) → List[*torrent_download.entities.TorrentInfo.TorrentInfo*]

Performs the actual search :param search_term: The term to search for :return: The search results

Module contents

torrent_download.search.**search_engines**: List[Type[*torrent_download.search.SearchEngine.SearchEngine*]]
All available search engines

1.2 Submodules

1.3 torrent_download.Config module

class torrent_download.Config.**Config** (*qbittorrent_address*: str, *qbittorrent_username*: str,
qbittorrent_password: str, *qbittorrent_download_dir*:
str)

Bases: object

Configuration for the QBittorrent client

__init__ (*qbittorrent_address*: str, *qbittorrent_username*: str, *qbittorrent_password*: str, *qbittorrent_download_dir*: str)

Initializes the Config object :param qbittorrent_address: The qbittorrent address/URL :param qbittorrent_username: The qbittorrent username :param qbittorrent_password: The qbittorrent password :param qbittorrent_download_dir: The qbittorrent download directory path

config_file = `'/root/.config/torrent-download/config.json'`

Path to the configuration file

classmethod load () → *torrent_download.Config.Config*

Loads an existing configuration from disk :return: None

classmethod prompt () → *torrent_download.Config.Config*

Prompts the user for configuration details :return: The generated configuration

save ()

Saves the configuration :return: None

1.4 torrent_download.exceptions module

exception `torrent_download.exceptions.MissingConfig`

Bases: `FileNotFoundError`

Exception that gets raised when the config file does not exist

1.5 Module contents

`torrent_download.sentry_dsn` = `'https://f701b912e65841069d5fe89ee244f192@sentry.namibsun.net'`

Sentry DSN used for error logging

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