
CommonsDownloader Documentation

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CommonsDownloader is a tool to download thumbnails of files from Wikimedia Commons

Contents:

commonsdownloader package

commonsdownloader package.

1.1 commonsdownloader

Download files from Wikimedia Commons.

```
class commonsdownloader.commonsdnloader.Folder(option_strings, dest, nargs=None,
                                              const=None, default=None, type=None,
                                              choices=None, required=False,
                                              help=None, metavar=None)
```

Bases: `argparse.Action`

An argparse action for directories.

```
commonsdnloader.commonsdnloader.download_files_if_not_in_cache(files_iterator,
                                                                out-
                                                                put_path)
```

Download the given files to the given path, unless in cache.

```
commonsdnloader.commonsdnloader.download_from_category(category_name,
                                                         output_path, width)
```

Download files of a given category.

```
commonsdnloader.commonsdnloader.download_from_file_list(file_list, out-
                                                         put_path)
```

Download files from a given textfile list.

```
commonsdnloader.commonsdnloader.download_from_files(files, output_path, width)
```

Download files from a given file list.

```
commonsdnloader.commonsdnloader.get_category_files_from_api(category_name)
```

Yield the file names of a category by querying the MediaWiki API.

```
commonsdnloader.commonsdnloader.get_files_from_arguments(files, width)
```

Yield the file names and chosen width.

```
commonsdnloader.commonsdnloader.get_files_from_textfile(textfile_handler)
```

Yield the file names and widths by parsing a text file handler.

```
commonsdnloader.commonsdnloader.get_local_cache_path(output_path)
```

Return the path to the local downloading cache.

```
commonsdnloader.commonsdnloader.is_file_in_cache(file_name, width, cache)
```

Whether the given file, in its given width, is in cache.

`commonsdownloader.commondownloader.main()`

Main method, entry point of the script.

`commonsdownloader.commondownloader.read_local_cache(output_path)`

Return the contents of the local cache, as a dictionary.

`commonsdownloader.commondownloader.write_file_to_cache(file_name, width, cache_fh)`

Write the given file on cache.

1.2 thumbnaildownload

Download files from Wikimedia Commons.

exception `commonsdownloader.thumbnaildownload.CouldNotWriteFileOnDiskException`

Bases: `commonsdownloader.thumbnaildownload.DownloadException`

Exception raised when the file could not be written on disk.

exception `commonsdownloader.thumbnaildownload.DownloadException`

Bases: `exceptions.Exception`

Base class for exceptions in this module.

exception `commonsdownloader.thumbnaildownload.FileDoesNotExistException`

Bases: `commonsdownloader.thumbnaildownload.DownloadException`

Exception raised when a requested file does not exist.

exception `commonsdownloader.thumbnaildownload.RequestedWidthBiggerThanSourceException`

Bases: `commonsdownloader.thumbnaildownload.DownloadException`

Exception raised when the requested width is bigger than source file.

`commonsdownloader.thumbnaildownload.clean_extension(extension)`

Return a cleaned-up extension - only applies for JPEG.

`commonsdownloader.thumbnaildownload.clean_up_filename(file_name)`

Return the cleaned-up file title.

`commonsdownloader.thumbnaildownload.download_file(image_name, output_path, width=100)`

Download a given Wikimedia Commons file.

`commonsdownloader.thumbnaildownload.get_exception_based_on_api_message(message, image_name='')`

Return the exception matching the given API error message.

`commonsdownloader.thumbnaildownload.get_full_size_file(image_name)`

Return the file contents of given file at full size.

`commonsdownloader.thumbnaildownload.get_thumbnail_of_file(image_name, width)`

Return the file contents of the thumbnail of the given file.

`commonsdownloader.thumbnaildownload.make_full_size_url(image_name)`

Return the URL to the full size of the file.

`commonsdownloader.thumbnaildownload.make_thumb_url(image_name, width)`

Return the URL to the thumbnail of the file, at the given width.

`commonsdownloader.thumbnaildownload.make_thumbnail_name` (*image_name, extension*)

Return name of the downloaded thumbnail, based on the extension.

Authors

Jean-Frédéric, with contributions of Symac & Shonagon and support of Pierre-Selim and Édouard

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