
vyoma-download Documentation

Release 1.0.1

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Download course contents from sanskritfromhome.org

- Free software: MIT license
- Documentation: <https://vyoma-download.readthedocs.io>.

- Download video, audio and documents for courses from sanskritfromhome.org
- Resume download whenever possible
- Keep a list of files that fail to download

1.1 vyoma-download

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1.1.1 Features

- Download video, audio and documents for courses from sanskritfromhome.org
- Resume download whenever possible
- Keep a list of files that fail to download

1.1.2 Usage

Use in a Project

To use vyoma-download in a project:

```
from vyoma_download.vyoma import Vyoma
vyoma = Vyoma(username, password)
courses = vyoma.find_course("LSK")
course_id = courses[0]["course_id"]
vyoma.download_course(course_id)
```

Use Console Interface

```
usage: vyoma-dl [-h] [-a] [-d] [-o OUTPUT]
                [-u USERNAME] [-p PASSWORD]
                [--status] [--verbose]
                [--debug] [--version] course-pattern

Download course contents from 'sanskritfromhome.in'.

positional arguments:
course-pattern          URL of the relevant course

optional arguments:
-h, --help              show this help message and exit
-a, --audio             Download audios only
-d, --document          Download documents only
-o OUTPUT, --output OUTPUT
                        Path to the download directory
-u USERNAME, --username USERNAME
-p PASSWORD, --password PASSWORD
--status               Display status of the current course
--verbose              Enable verbose output
--debug                Enable debug information
--version              show program's version number and exit
```

Note:

You must be registered on <https://sanskritfromhome.org/>.

You must be subscribed to the course that you wish to download.

1.2 Installation

1.2.1 Stable release

To install vyoma-download, run this command in your terminal:

```
$ pip install vyoma_download
```

This is the preferred method to install vyoma-download, as it will always install the most recent stable release.

If you don't have `pip` installed, this [Python installation guide](#) can guide you through the process.

1.2.2 From sources

The sources for vyoma-download can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/hrishikeshrt/vyoma_download
```

Or download the [tarball](#):

```
$ curl -OJL https://github.com/hrishikeshrt/vyoma_download/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```

1.3 Usage

1.3.1 Use in a Project

To use vyoma-download in a project:

```
from vyoma_download.vyoma import Vyoma
vyoma = Vyoma(username, password)
courses = vyoma.find_course("LSK")
course_id = courses[0]["course_id"]
vyoma.download_course(course_id)
```

1.3.2 Use Console Interface

```
usage: vyoma-dl [-h] [-a] [-d] [-o OUTPUT]
                [-u USERNAME] [-p PASSWORD]
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                [--debug] [--version] course-pattern

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positional arguments:
course-pattern          URL of the relevant course

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-h, --help              show this help message and exit
-a, --audio             Download audios only
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-o OUTPUT, --output OUTPUT
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--verbose              Enable verbose output
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--version              show program's version number and exit
```

Note:

You must be registered on <https://sanskritfromhome.org/>.

You must be subscribed to the course that you wish to download.

1.4 vyoma_download

1.4.1 vyoma_download package

Submodules

vyoma_download.cli module

Console script for vyoma_download.

```
vyoma_download.cli.main()
```

vyoma_download.edmingle module

Edmingle API

@author: Hrishikesh Terdalkar

```
class vyoma_download.edmingle.EdmingleAPI(username: str, password: str, hostname: str, api_host: str, endpoint: str = '/nu-Source/api/v1', protocol: str = 'https:')
```

Bases: object

```
api (path: str, data: Dict[KT, VT] = None, is_json: bool = True, method: str = 'GET') → Dict[KT, VT]  
General API Query
```

path [str] API Path

data [Dict, optional] Dictionary containing GET or POST data In case of “GET”, the data is used to form the GET options string. In case of “POST”, the data is passed with the POST request. The default is None

is_json [bool, optional] Is the response a JSON object? The default is True

method [str, optional] HTTP Method (“GET” or “POST”). The default is “GET”

Dict or str Dict, if is_json is True str, otherwise

```
download_material (url: str, path: str) → str
```

```
get_certificates () → Dict[KT, VT]
```

```
get_class_resources (class_id: str) → Dict[KT, VT]
```

```
get_classes_period (date) → Dict[KT, VT]
```

```
get_course_classes (course_id: str) → Dict[KT, VT]
```

```
get_courses (search_pattern: str = "", tag_ids: str = '9') → Dict[KT, VT]
```

```
get_material (class_id: str, material_id: str) → Dict[KT, VT]
```

```
get_meta_all () → Dict[KT, VT]
```

```

get_section_resources (class_id: str, section_id: str) → Dict[KT, VT]
get_user_basicinfo () → Dict[KT, VT]
get_usermeta () → Dict[KT, VT]
login () → bool
    Login to Edmingle Platform
    bool Indicates whether the login was successful
user_agent

```

vyoma_download.utils module

Utility Scripts @author: Hrishikesh Terdalkar

```
vyoma_download.utils.pretty_name (coursename: str) → str
```

vyoma_download.verbose_logger module

Created on Mon Jun 07 15:56:56 2021

@author: Hrishikesh Terdalkar

```
vyoma_download.verbose_logger.NOTICE = 25
```

The numeric value of the ‘notice’ log level (a number). The value of *NOTICE* positions the notice log level between the WARNING and INFO levels. :see also: The *notice()* method of the

VerboseLogger class.

```
vyoma_download.verbose_logger.VERBOSE = 15
```

The numeric value of the ‘verbose’ log level (a number). The value of *VERBOSE* positions the verbose log level between the INFO and DEBUG levels. :see also: The *verbose()* method of the

VerboseLogger class.

```
class vyoma_download.verbose_logger.VerboseLogger (*args, **kw)
```

Bases: logging.Logger

Custom logger class to support the additional logging levels. This subclass of logging.Logger adds support for the additional logging methods *notice()*, *spam()*, *success()* and *verbose()*. You can use *verbose_logger.install()* to make *VerboseLogger* the default logger class.

```
notice (msg, *args, **kw)
```

Log a message with level *NOTICE*. The arguments are interpreted as for logging.debug().

```
verbose (msg, *args, **kw)
```

Log a message with level *VERBOSE*. The arguments are interpreted as for logging.debug().

```
vyoma_download.verbose_logger.add_log_level (value, name)
```

Add a new log level to the logging module. :param value: The log level’s number (an integer). :param name: The name for the log level (a string).

```
vyoma_download.verbose_logger.install ()
```

Make *VerboseLogger* the default logger class. The *install()* function uses *setLoggerClass()* to configure *VerboseLogger* as the default class for all loggers created by logging.getLogger() after *install()* has been called. Here’s how it works: .. code-block:: python

```
import logging import verbose_logger verbose_logger.install() logger = log-
ging.getLogger(__name__) # will be a VerboseLogger instance
```

vyoma_download.vyoma module

Vyoma Session

@author: Hrishikesh Terdalkar

```
class vyoma_download.vyoma.Vyoma (username: str, password: str, download_dir: str = None)
    Bases: vyoma_download.edmingle.EdmingleAPI

    download_course (course_id: str, fetch_audio: bool = False, fetch_document: bool = True) →
        Dict[KT, VT]
        Download Course Content

    course_id [str] Course ID from Vyoma Edmingle Platform

    fetch_audio [bool, optional] If true, the audios are downloaded. The default is True.

    fetch_document [bool, optional] If true, the adocuments are downloaded. The default is True.

    Dict Complete download log

    download_section (class_id: str, section_id: str) → Dict[KT, VT]

    find_course (search_pattern: str) → str

    show_course_status (course_id: str)
```

vyoma_download.vyoma module

Vyoma Session

@author: Hrishikesh Terdalkar

```
class vyoma_download.vyoma.Vyoma (username: str, password: str, download_dir: str = None)
    Bases: vyoma_download.edmingle.EdmingleAPI

    download_course (course_id: str, fetch_audio: bool = False, fetch_document: bool = True) →
        Dict[KT, VT]
        Download Course Content

    course_id [str] Course ID from Vyoma Edmingle Platform

    fetch_audio [bool, optional] If true, the audios are downloaded. The default is True.

    fetch_document [bool, optional] If true, the adocuments are downloaded. The default is True.

    Dict Complete download log

    download_section (class_id: str, section_id: str) → Dict[KT, VT]

    find_course (search_pattern: str) → str

    show_course_status (course_id: str)
```

Module contents

Top-level package for vyoma-download.

1.5 Contributing

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

1.5.1 Types of Contributions

Report Bugs

Report bugs at https://github.com/hrishikeshrt/vyoma_download/issues.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

Write Documentation

vyoma-download could always use more documentation, whether as part of the official vyoma-download docs, in docstrings, or even on the web in blog posts, articles, and such.

Submit Feedback

The best way to send feedback is to file an issue at https://github.com/hrishikeshrt/vyoma_download/issues.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

1.5.2 Get Started!

Ready to contribute? Here’s how to set up *vyoma_download* for local development.

1. Fork the *vyoma_download* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/vyoma_download.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv vyoma_download
$ cd vyoma_download/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 vyoma_download tests
$ python setup.py test or pytest
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

1.5.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 3.5, 3.6, 3.7 and 3.8, and for PyPy. Check https://travis-ci.com/hrishikeshrt/vyoma_download/pull_requests and make sure that the tests pass for all supported Python versions.

1.5.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_vyoma_download
```

1.5.5 Deploying

A reminder for the maintainers on how to deploy. Make sure all your changes are committed (including an entry in HISTORY.rst). Then run:

```
$ bump2version patch # possible: major / minor / patch
$ git push
$ git push --tags
```

Travis will then deploy to PyPI if tests pass.

1.6 Credits

1.6.1 Development Lead

- Hrishikesh Terdalkar <hrishikeshrt@linuxmail.org>

1.6.2 Contributors

None yet. Why not be the first?

1.7 History

1.7.1 1.0.0 (2022-05-11)

- Major upgrade to support new Edmingle-based system

1.7.2 0.1.0 (2020-09-08)

- First release on PyPI.

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