

Command Line Interface

Requirements

The following is a list of prerequisites to run the command line application. You may have to reach out to a Domain Management Developer for some of these requirements:

- Python 3.8
- A virtual environment
 - We recommend using the built-in python tool:
 - `python3 -m venv .venv`
- Domain Management API URL
- Your Domain Management user's API key

Setup

1. Clone the repo to your local environment

- `git clone https://github.com/cisagov/domain-manager-script`

2. Install and activate your virtual environment in the root folder of the project

- `python3 -m venv .venv`
- `source .venv/bin/activate`

3. Install package requirements

- `pip install -r requirements.txt`

4. Generate and copy your user API key

- See the [User Roles](#) portion of this documentation

5. Create a .env file in your root directory

- `cp etc/env.dist .env`

6. Update the variables in the newly generated `.env` file with the Domain Management API URL and your API key

7. Run the CLI application

- `make run`
- If you see the returned text below, you're ready to go!

[illegible]

Commands

The following are commands within the CLI application. You can access all commands by running this: `python src [command] [subcommand]`

There are 5 top-level commands in the CLI:

- categories
- external
- get-data
- manage-sites
- manage-templates

Categories

categories has a single subcommand called "categorize". "Categorize" allows you to categorize existing websites that are currently live in the domain management. It requires a single argument, **-d** or **-domain** and the domain name you wish to categorize. You'll be prompted for adding a category you wish to categorize the site with. Make sure the category is an existing category supported by Domain Management.

```
(C:\env) + script git:(develop) python src categories
Usage: src categories [OPTIONS] COMMAND [ARGS]...

  Manage proxy categorizations of active websites.

Options:
  -h, --help  Show this message and exit.

Commands:
  categorize  Categorize an active site.
```

External

External contains two subcommands: categorize and check. These allow you to categorize and check a website's category that are NOT managed by the Domain Management.

```
(.venv) + script git:(develop) python src external
Usage: src external [OPTIONS] COMMAND [ARGS]...

Manage categorization of external websites.

Options:
  -h, --help  Show this message and exit.

Commands:
  categorize  Categorize an unmanaged website.
  check      Check category on an unmanaged website.
```

Get data

get-data contains multiple subcommands that allow you to return data from the domain management database. You can get information on active websites launched from domain management, applications, categories available for use when categorizing websites, list of all domains managed by the domain management, inactive websites, available templates, and a list of users.

```
(.venv) + script git:(develop) python src get-data
Usage: src get-data [OPTIONS] COMMAND [ARGS]...

Get available data.

Options:
  -h, --help  Show this message and exit.

Commands:
  active-sites  Returns domains that are currently live.
  applications  Returns a list of applications.
  categories    Return all categories for proxy submission.
  domains       Returns all domains.
  inactive-sites Returns domains that are available for use.
  templates     Returns all templates.
  users         Returns all users.
```

Manage Sites

manage-sites contain multiple subcommands that allow you to launch and manage a website. You can launch an inactive site, upload a zipped website file, takedown an active site and delete the content completely from the domain. In order to upload website content, you must place your zipped file at this location:

src/uploads/

```
(.venv) + script git:(develop) python src manage-sites
Usage: src manage-sites [OPTIONS] COMMAND [ARGS]...

Manage domains and websites.

Options:
  -h, --help  Show this message and exit.

Commands:
  delete  Delete content from a domain.
  launch  Launch an inactive website.
  takedown Takedown an active website.
  upload  Upload a zipped website file.
```

Manage Templates

manage-templates allow you to upload a GO template compatible for use in Domain Management. In order to upload a template content, you must place your zipped file at this location: **src/uploads**

```
(.venv) + script git:(develop) python src manage-templates
Usage: src manage-templates [OPTIONS] COMMAND [ARGS]...

Manage go templates.

Options:
  -h, --help  Show this message and exit.

Commands:
  upload  Upload a zipped template file.
```