🔒 CSCfi / **ida2-nc12-command-line-tools** `Private`

Command line tools for interacting with v2 of the IDA service based on Nextcloud v12

⑂ **32** commits	⑂ **1** branch	🏷 **0** releases	👥 **1** contributor	⚖ AGPL-3.0

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👤 **patrick-stickler-csc-fi** Added disclaimer to README and usage		Latest commit 176b82d 13 days ago
📁 test_data	Updated environment variable names IDA_USERNAME, IDA_PASSWORD, and ID...	2 months ago
📄 .gitignore	Added support for defining filename patterns to ignore when uploading	2 months ago
📄 LICENSE	Changed license to AGPL3	4 months ago
📄 README.md	Added disclaimer to README and usage	13 days ago
📄 ida	Added disclaimer to README and usage	13 days ago
📄 ida-config	Updated environment variable names IDA_USERNAME, IDA_PASSWORD, and ID...	2 months ago
📄 ida-ignore	Added support for defining filename patterns to ignore when uploading	2 months ago

📖 **README.md**

IDA Command Line Tools

This repository provides a bash script `ida` for interacting with v2 of the IDA service from the command line.

```
Usage: ida [-h]
       ida upload   [-v] [-n] [-c config] [-i ignore] [-t host] [-p project] target_pathname local_pathname
       ida download [-v] [-n] [-c config]             [-t host] [-p project] target_pathname local_pathname
       ida move     [-v] [-n] [-c config]             [-t host] [-p project] target_pathname new_target_pathname
       ida delete   [-v] [-n] [-c config]             [-t host] [-p project] target_pathname

       -h : show this guide
       -v : provide verbose output
       -n : read authentication credentials from netrc file
       -c : configuration file
       -i : ignore file
       -t : target host (default: \"https://ida.avointiede.fi\")
       -p : project name
```

Pathnames may correspond to either files or folders, except for `download`, where only files may be specified. If a folder is specified, then the action is performed for all files within that folder and all subfolders. Actions can be performed on only one file or folder at a time.

`target_pathname` and `new_target_pathname` are relative to the staging area of the specified project. When downloading, the `target_pathname` must correspond to a file, as only individual files may be downloaded.

`local_pathname` is the pathname of a folder or file on the local system which is to be uploaded, or the pathname on the local system to which a file will be downloaded. Existing files will not be overwritten.

`move` can also be used to rename a file or folder without changing its location.

Installation

Download the `ida` script, ideally placing it in a location somewhere in your `$PATH`, and ensure that the script is executable:

```
chmod +x ida
```

The `ida` script requires that `bash` is installed on your system as `/bin/bash` and that `curl` is installed on your system somewhere in your `$PATH`.

Configuration

The `ida` script requires that certain parameters are defined, either via environment variables or provided as arguments.

Configuration file

The `ida` script will look for and load a file `.ida-config` if it exists in your home directory.

You can copy the provided example `ida-config` file to your home directory as `.ida-config` and edit it accordingly. Be sure to set the permissions of your configuration file securely:

```
chmod go-rwx $HOME/.ida-config
```

It is also possible to explicitly specify a configuration file using the `-c` command line option.

Configuration settings will be taken from existing environment variables, followed by `$HOME/.ida-config`, followed by a configuration file specified with the `-c` command line option, followed by any other specified command line options; thus, it is possible to partially or completely override configuration settings defined at each subsequent level of specification.

Ignore file

The `ida` script will look for and use a file `.ida-ignore` if it exists in your home directory, to exclude files matching certain patterns from upload.

This is useful when uploading entire folders, to exclude special system files such as `.DS_Store` on OS-X or various temporary or log files which might exist within the local filesystem but are not part of the data to be stored in IDA.

You can copy the provided example `ida-ignore` file to your home directory as `.ida-ignore` and edit it accordingly.

It is also possible to explicitly specify an ignore file using the `-i` command line option.

The ignore file should contain one pattern per line, and will be applied only to filenames, not to pathnames or portions of pathnames. Patterns should be compatible with those understood by the `-name` option of the POSIX `find` command.

Authentication

The `ida` script will need to be provided your CSC account credentials in order to access the project space.

The username and password credentials are the same as you use to log in to the IDA web UI, and are managed in the SUI CSC Customer Portal.

Account credentials can be defined in the `CSC_USERNAME` and `CSC_PASSWORD` environment variables.

```
CSC_USERNAME="username"
CSC_PASSWORD="password"
```

You may also use netrc to define your account credentials, and instruct the script to read from your netrc file using the `-n` command line option.

If your account credentials are not defined either in a configuration file or using netrc, the script will prompt you. Note that it is possible to only define your username in the configuration and always provide your password when prompted.

Project

You may define the name of your project using the `CSC_PROJECT` environment variable.

```
CSC_PROJECT="myproject"
```

You may also specify the project using the `-p` command line option.

If you belong to more than one project, you can define whichever project is most frequently used and use the `-p` commmand line option to explicitly specify another project when different from the default.

All target pathnames are considered to be relative to the staging or frozen area of the specified project.

IDA Host

The `IDA_HOST` environment variable may be defined as something other than the main production service, when appropriate. If undefined, the script will default to the main production service.

```
IDA_HOST="https://ida.avointiede.fi"
```

Special Notes

Note that files are not officially stored persistently in the IDA service until they are frozen, which can only be done using the web UI of the service.