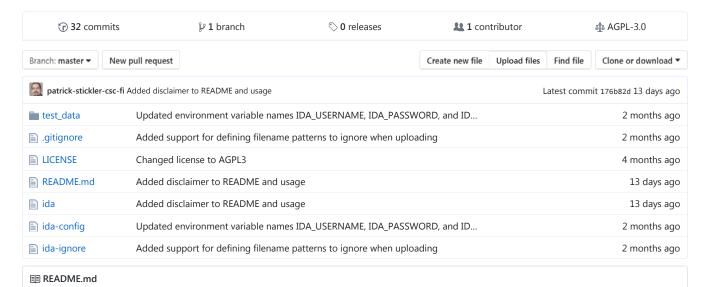
#### CSCfi / ida2-nc12-command-line-tools Private

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



# **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 <code>/bin/bash</code> and that <code>curl</code> is installed on your system somewhere in your <code>\$PATH</code>.

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## 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 <code>ida-config</code> file to your home directory as <code>.ida-config</code> 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 <code>.DS\_store</code> 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 netro, 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**

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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.

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