

Catalyst Scripting

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Installation

This script uses PHP's MySQL PDO extension. As such, to install this extension, run the following command in the terminal:

```
sudo apt-get install php-common php-mysql php-cli
```

If issues arise, run this command and then the prior one again:

```
sudo apt-get -purge remove php-common
```

Usage

These are the flags that can be used with the user_upload script:

- --file [csv file name] – this is the name of the CSV to be parsed
- --create_table – this will cause the MySQL users table to be built (and no further action will be taken)
- --dry_run – this will be used with the --file directive in case we want to run the script but not insert into the DB. All other functions will be executed, but the database won't be altered
- -u – MySQL username
- -p – MySQL password
- -h – MySQL host
- --help – which will output the above list of directives with details.

The .csv file provided should consist of 3 columns: name, surname, email. The first row should list these column names.

The foobar script requires no flags.

Assumptions

- The schema being used is named “catalyst”, and the host directive refers only to the IP address of the host
- The create_table directive can be used in tandem with other directives (I interpreted “and no further action will be taken” as meaning outside of other directives being provided)
- The priority with this script was readability and maintainability over performance, hence my usage of exceptions rather than error codes