gitutils Cheat Sheet

by [deleted] via cheatography.com/90404/cs/20472/

Gitutils

Gitutils is a tool to facilitate server-side operations when developing software that uses git repositories. It allows users to create forks and merge requests directly from the command line interface.

FORK : Fork existing repositories into your own personal space. Doing a fork is strongly recommended to freely experiment your changes and/or development in a safe working space without affecting the original project.

MERGE : Merge existing repositories from your personal space into the original repository. Merge has the purpose of joining different repositories to incorporate changes into repository.

for the full documentation: `gituti ls.r ea dth edo cs.i o/ -en/ latest/`

Installation

Use *conda* to install the latest stable version of Gitutils:

```
conda install -c paulsc her rer ins titute gitutils
```

Gitutils is compatible with Python 3.5+.

Fork examples

Fork and clone: `gitutils fork <gr oup _na me> /<r epo _na me>`

Fork and not clone: `gitutils fork <gr oup _na me> /<r ep o _na me> -n`

Fork, clean and clone: `gitutils fork <gr oup _na me> /<r -epo _na me> -c`

Fork, clean and not clone: `gitutils fork <gr oup _na me> /<r epo _na me> -c -n`

Merge examples

merge (default title and description): `gitutils merge`

merge (from project's directory): `gitutils merge -t <ti tle> -d <de scr ipt ion>`

merge: `gitutils merge -p <gr oup _na me> /<r epo _na me> -t <ti tle> -d <de scr ipt ion>`

if **-p** is not indicated, gitutils fetches project from the `.git/c onfig` file.

Gitutils arguments

-h (help):	Shows the help message and exit
-e (endpo-int):	Allows the user to change the endpoint of the git server. Default: https://git.psi.ch

Usage:

```
gitutils -h
gitutils -e https: //m y-g it- ser ver.ch <fo rk_ -or_ mer ge>
```

Fork arguments

-n (no clone):	Indicates that the forked project will not be cloned after forking. A fork will be created on the server-side and no clone nor upstream will be generated on the local git server.
-c (clean):	Indicates to delete any existing fork project under your personal group. This might be necessary to fork and clone into a clean copy of the original repository. The desired forked project must not be a pre-existing forked project under your personal projects.

To see the help message for fork: `gitutils fork -h`

Merge arguments

-p (project):	Indicates the project to be forked.
-t (title):	The title of the merge request that is going to be created.
-d (descript-ion):	The description of the merge request that is going to be created.

To see the merge help message: `gitutils merge -h`

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