

Git Commands

A list of my commonly used Git commands

If you are interested in my Git aliases, have a look at my `.bash_profile`, found here: https://github.com/joshnh/bash_profile/blob/master/.bash_profile

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Getting & Creating Projects

Command	Description
<code>git init</code>	Initialize a local Git repository
<code>git clone ssh://git@github.com/[username]/[repository-name].git</code>	Create a local copy of a remote repository

Basic Snapshotting

Command	Description
<code>git status</code>	Check status
<code>git add [file-name.txt]</code>	Add a file to the staging area
<code>git add -A</code>	Add all new and changed files to the staging area
<code>git commit -m "[commit message]"</code>	Commit changes
<code>git rm -r [file-name.txt]</code>	Remove a file (or folder)

Branching & Merging

Command	Description
<code>git branch</code>	List branches (the asterisk denotes the current branch)
<code>git branch -a</code>	List all branches (local and remote)
<code>git branch [branch name]</code>	Create a new branch
<code>git branch -d [branch name]</code>	Delete a branch
<code>git push origin --delete [branchName]</code>	Delete a remote branch
<code>git checkout -b [branch name]</code>	Create a new branch and switch to it
<code>git checkout -b [branch name] origin/[branch name]</code>	Clone a remote branch and switch to it
<code>git checkout [branch name]</code>	Switch to a branch
<code>git checkout -</code>	Switch to the branch last checked out
<code>git checkout -- [file-name.txt]</code>	Discard changes to a file
<code>git merge [branch name]</code>	Merge a branch into the active branch
<code>git merge [source branch] [target branch]</code>	Merge a branch into a target branch
<code>git stash</code>	Stash changes in a dirty working directory
<code>git stash clear</code>	Remove all stashed entries

Sharing & Updating Projects

Command	Description
<code>git push origin [branch name]</code>	Push a branch to your remote repository
<code>git push -u origin [branch name]</code>	Push changes to remote repository (and remember the branch)
<code>git push</code>	Push changes to remote repository (remembered branch)
<code>git push origin --delete [branch name]</code>	Delete a remote branch
<code>git pull</code>	Update local repository to the newest commit
<code>git pull origin [branch name]</code>	Pull changes from remote repository

Command	Description
<code>git remote add origin ssh://git@github.com/[username]/[repository-name].git</code>	Add a remote repository
<code>git remote set-url origin ssh://git@github.com/[username]/[repository-name].git</code>	Set a repository's origin branch to SSH

Inspection & Comparison

Command	Description
<code>git log</code>	View changes
<code>git log --summary</code>	View changes (detailed)
<code>git diff [source branch] [target branch]</code>	Preview changes before merging