

A list of commonly used Git commands

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)
<code>git remote -v</code>	View the remote repository of the currently working file or directory

Branching & Merging

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

Command**Description**`git stash pop`

Apply latest stash to working directory

Sharing & Updating Projects**Command****Description**`git push origin [branch name]`

Push a branch to your remote repository

`git push -u origin [branch name]`

Push changes to remote repository (and remember the branch)

`git push`

Push changes to remote repository (remembered branch)

`git push origin --delete [branch name]`

Delete a remote branch

`git pull`

Update local repository to the newest commit

`git pull origin [branch name]`

Pull changes from remote repository

`git remote add origin
ssh://git@github.com/[username]/[repository-
name].git`

Add a remote repository

Command**Description**

```
git remote set-url origin  
ssh://git@github.com/[username]/[repository-  
name].git
```

Set a repository's
origin branch to SSH

Inspection & Comparison**Command****Description**

```
git log
```

View changes

```
git log --summary
```

View changes (detailed)

```
git log --oneline
```

View changes (briefly)

```
git diff [source branch] [target branch]
```

Preview changes before merging