👩 **Web**

List of Git Commands

List of all Git Commands

#git   #github   #cli

🐯 **VIMAL KUMAR**   27 Apr 2020 · *Updated on 5 Jul 2020* · 2 min read

Git Commands

A list of Git commands

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Tell Git who you are

Description	Command
Configure the author name.	`git config --global user.name "<username>"`
Configure the author email address.	`git config --global user.email <email address>`

Getting & Creating Projects

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

Basic Snapshotting

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

Inspection & Comparison

Description	Command

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| View changes (detailed) | git log --summary |
| **Description** | **Command** |

| View changes in one line (briefly) | git log --oneline Or git log --pretty=oneline Or git log --pretty=short |

Undo to previous file

Description	Command
List of all commit with commit id and commit message)	git log --oneline
Return to previous commit	git checkout<commit id>
Revert commit (undo one particular commit)	git revert <commit id>
Reset to previous commit (remove history of all commit after)	git reset <commit id>
Stop a file being tracked	git rm --cached <file/folder>
Restore a file to a previous commit	git checkout <file/to/restore>

Branching & Merging

Description	Command
List branches (the asterisk denotes the current branch)	git branch
List all branches (local and remote)	git branch -a
Create a new branch	git branch <branch name>
Create a new branch and switch to it	git checkout -b <branch name>

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Clone a remote branch and switch to it Description	origin/<branch name>

Rename a local branch	`git branch -m <old branch name> <new branch name>`
Switch to a branch	`git checkout <branch name>`
Switch to the branch last checked out	`git checkout -`
Discard changes to a file	`git checkout -- <file-name.txt>`
Delete a branch	`git branch -d <branch name>`
Delete a remote branch	`git push origin --delete <branch name>`
Preview changes before merging	`git diff <source branch> <target branch>`
Merge a branch into the active branch	`git merge <branch name>`
Merge a branch into a target branch	`git merge <source branch> <target branch>`
Stash changes in a dirty working directory	`git stash`
Remove all stashed entries	`git stash clear`

Sharing & Updating Projects

Description	Command
Push a branch to your remote repository	`git push origin <branch name>`
Push changes to remote repository (and remember the branch)	`git push -u origin <branch name>`
Push changes to remote repository	`git push`

Description	Command

Update local repository to the newest commit	`git pull`
Pull changes from remote repository	`git pull origin <branch name>`
Add a remote repository	`git remote add origin ssh://git@github.com/<username>/<repository-name>.git`
Set a repository's origin branch to SSH	`git remote set-url origin ssh://git@github.com/<username>/<repository-name>.git`

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Nitsan Avni • Apr 28 '20

@vimalverma checkout the somewhat new `git switch` and `git restore`

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VIMAL KUMAR 🏅 • Jul 6 '20

Thanks for suggestions 🤩

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