

Setup

Set a user name	<code>git config --global user.name "[firstname last name]"</code>
Set an email	<code>git config --global user.email "[valid email]"</code>
Set automatic command line coloring	<code>git config --global color.ui auto</code>

Setup and INIT

Initialize a directory	<code>git init</code>
Clone an entire repository via URL	<code>git clone [url]</code>

Inspect and compare

Show the commits in B but no in A	<code>git log branchB..branchA</code>
Show the commits that changed file	<code>git log --follow[file]</code>
Show the diff of in A but no in B	<code>git diff branchB...branchA</code>
Show any object in git	<code>git show [SHA]</code>

Tracking Path changes

Delete the path from project and stage the removal for commit	<code>git rm [file]</code>
Change an existing file path and stage the move	<code>git mv [existing-path] [new-path]</code>
Show all commits logs with movements in path	<code>git log --stat -M</code>

Ignoring patterns

Save a file with desired patterns as <code>.gitignore</code>	<code>*.notes/</code>
Configure the file	<code>git config --global core.excludesfile [file]</code>

Stage and Snapshot

Show modified files in working directory	<code>git status</code>
Add a file to stage	<code>git add [file]</code>
Unstage a file	<code>git reset [file]</code>
Diff of what is changed but not staged	<code>git diff</code>
Diff of what is staged but not committed	<code>git diff --staged</code>

Stage and Snapshot (cont)

Commit your staged content	<code>git commit -m "[descriptive message]"</code>
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Branch and Merge

List your branches	<code>git branch</code>
Create a new branch	<code>git branch [branch-name]</code>
Switch to another branch	<code>git checkout</code>
Merge the branch into the current	<code>git merge [branch]</code>
Show all the commits	<code>git log</code>

Share and Update

Add a git URL as an alias	<code>git remote add [alias] [url]</code>
Fetch down all the branches from git remote	<code>git fetch [alias]</code>
Merge remote branch into your current branch	<code>git merge [alias]/[branch]</code>
Transmit local branch commits to remote	<code>git push [alias][branch]</code>
Fetch and merge all commits	<code>git pull</code>

Rewrite History

Apply any commits of current branch ahead of specified one	<code>git rebase [branch]</code>
Clear staging area and rewrite working tree from specified commit	<code>git reset --hard [commit]</code>

Temporary commits

Save modified and staged changes	<code>git stash</code>
List stack-order of stashed file changes	<code>git stash list</code>
Write working from top of stash stack	<code>git stash pop</code>
Discard the changes from top of the stack	<code>git stash drop</code>