

Git Commands

Starting Project

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| <code>git init</code> | Initialize local repo |
| <code>git clone []</code> | Create copy of repo on local |

Basic Snapshotting

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| <code>git status</code> | Check if branch is up to date |
| <code>git add []</code> | Add new or changed file to staging area |
| <code>git add .</code> | Add <u>ALL</u> new and changed files to staging area |
| <code>git commit</code> | Commit changes |
| <code>git rm -r []</code> | Remove a file or folder |
| <code>git remote</code> | Create, view, delete connections to other repos |

Sharing and Updating

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| <code>git push origin []</code> | Push branch to remote repo |
| <code>git push -u origin []</code> | Push changes to remote repo and remember branch) |
| <code>git push</code> | Push changes to remembered branch remote repo |
| <code>git push origin --delete[]</code> | Delete a remote branch |
| <code>git pull</code> | Update local repo with newest commit |
| <code>git pull origin [branch]</code> | Pull changes from branch of remote repo |
| <code>git remote add origin [SSH link]</code> | Add a remote repo |
| <code>git remote set-url origin []</code> | Set repo's origin branch to SSH |

Branch and merge

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| <code>git branch</code> | List of local branches (* :active) |
| <code>git branch -a</code> | List remote and local branches |
| <code>git branch -d []</code> | Delete a local branch |
| <code>git push origin --delete []</code> | Delete a remote branch |
| <code>git checkout -b []</code> | Create new branch and switch |
| <code>git checkout -b [name] origin/[name]</code> | Clone remote branch and switch to it |
| <code>git branch -m [old][new]</code> | Rename local branch |
| <code>git checkout []</code> | Switch to branch |
| <code>git checkout -</code> | Switch to last checked branch |
| <code>git checkout -- []</code> | Discard changes to file |
| <code>git merge []</code> | Merge branch into active branch |
| <code>git merge [source] [target]</code> | Merge into target branch |
| <code>git stash</code> | Saves uncommitted changes and reverts them from working copy |
| <code>git stash clear</code> | Remove all stashed entries |
| <code>git stash pop</code> | Apply latest stash to working directory |

Inspect and Compare

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| <code>git log</code> | View changes |
| <code>git log --summary</code> | Detailed view of changes |
| <code>git log --oneline</code> | Brief view of changes |
| <code>git diff [source] [target]</code> | Preview changes before merging |