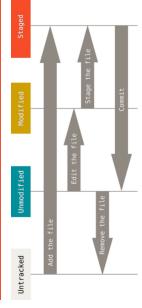


Git Cheat Sheet

Workflow



Start a new repository

Description	Create a new repository in the current directory	Clone a remote repository
Command	git init	git clone <url> [<dir>]</dir></url>

History

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Command	Description
git log	Show commit logs
git logoneline	Show commit logs with one line per commit
git show	Show the changes of the last commit
git shortlog	Summarize git log output by author
git blame <file></file>	Show who changed which line in a file

Local changes

Command git status git add <file></file>	Description List which files are staged, unstaged, and untracked Add a file to the staging area
git add -p	Interactively choose hunks of a file to add to the staging area

2	Local changes (cont.)	<u>.</u>
Son	Command	Description
git	git diff	Show unstaged changes
git	git diffstaged	Show staged changes
git	git commit	Commit staged changes using the default editor
git	git commit -m <message></message>	Commit staged changes with a message provided on the command line
git	git commitamend	Amend the last commit
git	git reset HEAD <file></file>	Unstage a file
git	git checkout <file></file>	Discard local changes in a file

Branches

Com	Command	Description
git	git branch	List local branches
git	git branch -r	List remote branches
git	git branch <branch></branch>	Create a new branch
git	git checkout branch>	Switch to a branch
git	git checkout -b branch>	Create a new branch and switch to it
git	git merge 	Merge a branch into the active branch
git	git branch -d <branch></branch>	Delete a branch

Description Create a tag List tags git tag <tag> Command git tag Tags

Create an annotated tag	Create a GPG-signed tag	Delete a tag	Show the tag data
git tag -a <tag></tag>	git tag -s <tag></tag>	git tag -d <tag></tag>	git show <tag></tag>
gır	git	git	git

Collaboration	
Command	Description
git remote -v	List remote repositories
<pre>git remote add <name> <ur><!-- Column</td--><td>Add a new remote repository</td></ur></name></pre>	Add a new remote repository
git fetch <remote></remote>	Download all changes from a remote repository but don't integrate them
git pull <remote></remote>	Download changes and directly merge/integrate them
git pull <remote> <branch></branch></remote>	Download changes and directly merge/integrate a remote branch
git push <remote> <branch></branch></remote>	Upload local changes to a remote repository
<pre>git push <remote> delete <pre>chanch></pre></remote></pre>	Delete a remote branch
git push <remote>tags</remote>	Push tags to a remote repository

Stashing

Com	Command		Description
git	git stash		Stash the changes in a dirty working directory away
git	git stash list	list	List all stashes
git	git stash pop	dod	Apply the last stash and delete
git	git stash apply	apply	Apply the last stash but don't delete it
git	git stash drop	drop	Delete the last stash
git	git stash clear	clear	Delete all stashes

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Writing good commit messages

- Separate subject from body with a blank line
 Limit the subject line to 50 characters
 Capitalize the subject line
 Do not end the subject line with a period
 Use the imperative mood in the subject line
 Wrap the body at 72 characters
 Use the body to explain what and why vs. how