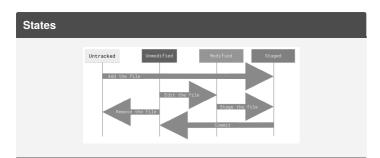


Git Cheat Sheet

by Loreno10 via cheatography.com/124704/cs/23866/



Diff	
git diff	WORKSPACE vs STAGED
git diffstaged (orcached)	STAGED vs COMMITED
git diff HEAD	WORKSPACE + STAGED vs COMMITED
git diff <sha-1></sha-1>	WORKSPACE vs any commit (more general case of the above)
git diff mastertopic	Changes introduced if topic gets merged into master
- W	IGNORE whitespace

Removal	
git rm README	Remove file from git and locally
git rmcached README	Remove file from git, but keep locally as UNTRACKED
git reset HEAD README	UNSTAGE a file
git checkout README	Revert a file back to its form from the last commit

Stashing	
git stash	Push all TRACKED modified files (-u to include untracked, -a to include ignored)
git stash list	LIST all stashes
git stash apply	APPLY the last stash
git stash apply stash@{2}	APPLY a chosen stash
git stash pop	APPLY stash and DELETE it
git stash drop	DELETE stash

Remotes	
git remote -v	LIST remotes with URLs
git remote show <origin></origin>	GET details with tracked branches
<pre>git remote add <origin> <url></url></origin></pre>	ADD a remote
<pre>git remote rename <origin> <upstream></upstream></origin></pre>	RENAME remote origin to upstream
git remote rm <origin></origin>	DELETE remote
<pre>git push <origin>delete <feature one=""></feature></origin></pre>	DELETE branch from remote
git fetch origin	FETCH all data from origin
git pull	FETCH and MERGE
git push <origin> <master></master></origin>	PUSH branch to a remote
git branch -vv	Details of local branches and what they track

Tagging	
git tag	LIST tags
`-l "119.*"	FILTER tags
git tag -a v2.0 -m "Version 2.0"	CREATE annotated tag
git tag v2.0	CREATE lightweight tag
git show v2.0	GET tag
git tag -d v2.0	DELETE tag
git push <origin> <tag></tag></origin>	PUSH single tag
git push <origin>tags</origin>	PUSH all tags

Rebasing	
git	Takes commits from current branch and applies them on
rebase	top of master. Master stays on previous commit, only
master	current branch is moved



By **Loreno10** cheatography.com/loreno10/

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Git Log	
-p	See differences in each commit
- 2	Only 2 last commits
master feature/one	Only commits between master and feature/one
all	Commits from all branches
stat	See file change statistics
<pre>pretty=oneline/short/ful- 1/fuller/format:{some format}</pre>	Formatting of output
oneline	Shorthand forpretty- =oneline
graph	Shows graph
since=2.weeks/2010-01-15 (or after)	Commits from
until=2021 (orbefore)	Commits to
author=Joe	Only by some author, can be used multiple times
grep=word	Filter by message content
-S word	Filter by commit that changed occurence of word in code
Example: `git logpretty="%h - %s"author='Junio C Hamano' since="2008-10-01" \	

Configuration
Git configuration is stored in 3 places:
-/etc/gitconfig (system)
-~/.gitconfig(global)
git/config(local)
Each level overwrites the previous one.
Setting up:
git configglobal user.name "John Doe"
git configglobal user.email johndoe@example.com
git configglobal core.editor code
Check some setting:
git config user.name

See all configuration and sources: git config --list --show-origin

--pretty=format options

--before="2008-11-01" --no-merges`

Option	Description of Output
tн	Commit hash
Nh	Abbreviated commit hash
AT .	Tree hash
kt	Abbreviated tree hash
₹ P	Parent hashes
lф	Abbreviated parent hashes
Nan	Author name
tae	Author email
Nad	Author date (format respects the -date=option)
lar	Author date, relative
Nen	Committer name
lice	Committer email
licd	Committer date
lier	Committer date, relative
ls	Subject



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