Cheatography

Git for DevOps Cheat Sheet

by pka2412 via cheatography.com/192189/cs/39983/

Setup

git config --global user.name *“firstname lastname”*	set a name that is identifiable for credit when review version history
git config --global user.email *“[valid-email]"*	set an email address that will be associated with each history marker
git init	initialize an existing directory as a Git repository
git clone *url*	retrieve remote repository from *url*

Stage and Snapshot

git add *file1.js*	Stages *file1.js*
git add .	Stages the current directory and all its content
git reset *file1.txt*	unstage the file and keep the changes of *file1.txt* in working directory
git commit -m *message*	commit the staged changes with appropriate *message*

Branch and Merge

git branch	show the list of branches
git branch *b1*	create new branch *b1*
git branch -d *b1*	delete branch *b1*
git checkout *b1*	switch to *b1* branch
git merge *b1*	megre branch *b1* to the current branch

Share and Update

git remote	show remote branches
git remote add *repo url*	add a new remote *repo* at *url*
git fetch	fetch all branches from origin
git pull	fetch and merge changes from remote repo to local repo
git push	push local changes to remote repository

Rewrite History

git reset HEAD~2	removes and unstage last two commits of current branch
git reset --soft HEAD~1	removes and stage last commit of current branch
git reset --hard HEAD~3	discards last three commits of current branch
git revert *commitID*	revert the given *commitID*
git rebase *b1*	merge changes of branch *b1* to top of the current branch
git cherry-pick *commitID*	merge the change of *commitID* to the current branch

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