Cheatography

git & github Cheat Sheet

by k.mate555 via cheatography.com/200161/cs/42309/

Basics

glo	git log --oneline --decorate
gsw	git switch
gswc	git switch -c {branch_name}
gswm	git switch ${git_main_branch}
gcam	git commit -a(ll) -m(essage)
gaa	git add --all

Time travel

gco {commit-hash}	visit previous commit (detached HEAD)
gco HEAD~{n}	commit n before current head
gswc -	get back to prev checked out branch
gco HEAD {file(s)}	revert file(s) to last commit status
grss {commit} {file(s)}	restore files to state from given commit ref
grh {commit}	reset repo back to commit hash, commits are GONE
grhh {commit}	reset --hard - lose commits + ALSO REMOVE FROM WORKDIR
grev {commit}	revert - create commit undoing changes

Diff

gd	all diffs that are not staged
gd HEAD	changes since HEAD/last commit
gdca	only staged
gb {branch1..branch2}	diff btw branches (or commits)

Remote

gr -v	list remote URLs
gra {name} {url}	git remote add
ggp	git push origin ${current_branch}
gpsup	git push --set upstream ...
gf	fetch (get changes to local repo but not to workdir)
gl	pull (default origin/current branch)

Rebase

grb	git rebase
grbm	rebase ${git_main_branch}
grb -i HEAD~{n}	recreate commits from n ago until HEAD

[WARNING] Don't rebase commits that are shared with / used by others!

Stash

gsta	git stash (save)
gstp	git stash pop
gstaa	git stash apply (without popping)
gstl	git stash lit
gstc	git stash clear

Tags

gts	git tag -s(ign)
gtv	git tag | sort -V
gco {tag}	check out particular tag
g tag {tagname}	lightweight tag at HEAD
g tag -a {tagname}	annotated tag at head
g push --tags	push tags to origin

Reflogs

g reflog show {ref}	ref eg HEAD or branch
gco HEAD@{2}	2 moves ago in reflog
g reflog master-@{one.week.ago}	show reflog until 1 week back
gd master master-@{yesterday}	diff to yesterday
gco master@{1.week.ago}	checkout at closest matching entry
grh master@{n}	reset master to n moves ago

Reflogs are only local, and expire in ~90 days Records all moves of pointers & everything done in a repo locally, so we can revert things even after rebase, etc.

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