

Cheat Sheets

Git Commands

Git Commands Cheat Sheet

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Basics

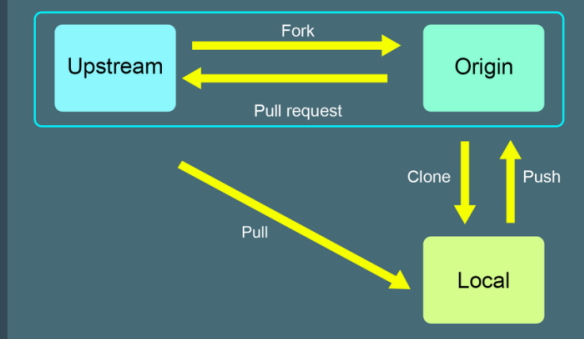
git help [commands]

Use this when you are stuck

Terminology

main	default primary branch
origin	default upstream branch
HEAD	current branch
HEAD^	parent of HEAD
HEAD~3	great grandparent of HEAD

Start to Work



git init

create a new local Git repo

git clone

copy a repo

git pull

fetch remote version and update local branch

git add [file]

stage changes to tracked and untracked files

git commit

commit previously staged changes

git push origin HEAD

push local changes to the origin

Branches

Git Branch Workflow



git branch --all

list all the local and remote branches

git checkout hotfix

change to an existing branch called hotfix

git checkout main

git merge hotfix

merge branch changes from hotfix to main

git log --graph --oneline

show a pretty branch history

Conflicts

git diff

see specific local changes

git diff --ours

compare the working tree with our branch

git diff --theirs

compare the working tree with their branch

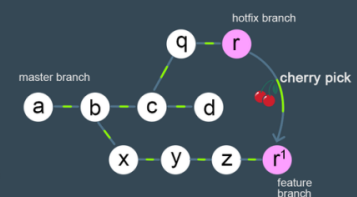
Useful Tools

git archive

create release tarball

git cherry-pick [commit-id]

enable arbitrary Git commits to be picked by reference



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