

Cheat Sheets

Git Commands

Git Commands Cheat Sheet

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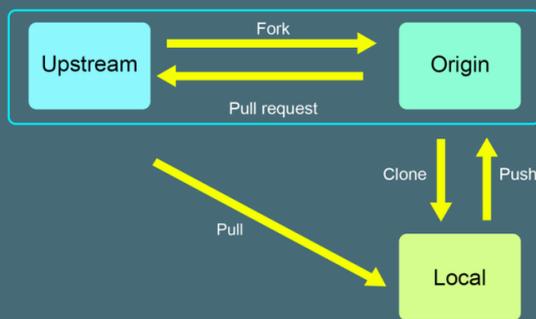
Basics

`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



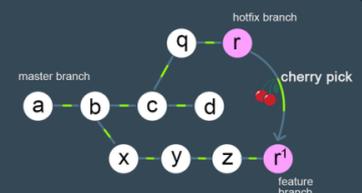
- `git branch --all`
list all the local and remote branches
- `git checkout hotfix`
change to an existing branch called hotfix
- `git checkout main`
`git merge hotfix`
merge branch changes from hotfix to main
- `git log --graph --oneline`
show a pretty branch history

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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