

Git Cheat Sheet

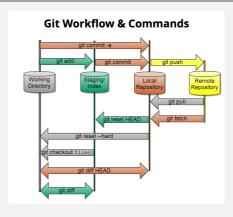
by datamansam via cheatography.com/139410/cs/32023/

Git Status

Displays the state of the working directory and the staging area

Nothing to commit (working Files in the listed under "Changes not Files in the Listed under "Changes to Files in the working directory: staged for commit" be committed" staging area: local repo: directory clean)

Git Diagram



Working Directory <-> Staging

Working Directory -> git add -> Staging

Working Directory <- git checkout/merge <-Staging

Working Directory <- git diff -> Staging

Making changes

Add file to stage git add

fileName

Add all files to stage

git add.

Add changes in specific

git add -p <fi-

file

Evaluate changes

diff of what is changed but not

staged

git diff -

Branches

Reverting changes

Unstage a file while retaining

the changes in working directory

git reset fileName

commited

diff of what is staged but not yet

git diff -staged

Start Project

Create Project git init direct-

oryName

Download remote

git cline ulrName

local -> git push -> remote

local <- git pull/fetch <- remote

Remote to local

Git Bring down all branches from Git

fetch

Fetch and merge commits from Git

remote branch pull

git Transmit local branch commits to push the remote repository branch

Checking the Status of a Git Repo

List all branches	git branch
Add a branch	git branch NameOf- NewBranch
Switch to specified branch in working directory	git checkout BranchName
Join specified [from name] branch into your current branch (the one you are on currently)	git merge fromName
show all commits in the current branch's history	git log

Staging <-> Local Repo

Staging -> git commit -> Local Repo

Staging <- git reset <- Local Repo

Staging <- git diff --staged -> Local Repo

Staging <- git checkout HEAD filename <- Local Repo

(git checkout HEAD filename command rolls back all changes that have been made to filename since the last commit)

Committing to remote	
Move all staged files to git remote repo	git commit -m 'message'
Move all staged files to	git commit -am
git remote repo	'message'

Git status:

Helps - show the user the files they would commit by running git commit and the files they could commit by running git add before running git commit

Git diff filename:

Displays the differences between the working directory and the staging area in one specific file git diff hello.txt

Git log:

Shows all the commit logs for a project - A 40-character code, called a SHA, that uniquely identifies the commit.

The commit author

The date and time of the commit

The commit message



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