Cheatography

Git Cheat Sheet

by shainp via cheatography.com/22379/cs/4572/

Install Git

Git distributions for Linux and POSIX systems are available on the official Git SCM web site.

Git for All Platforms

http://git-scm.com

Configure Tooling

Configure user information for all local repositories.

$ git config --global user.name "[name]"

Sets the name you want attached to your commit transactions

$ git config --global user.email "[email address]"

Sets the email you want attached to your commit transactions

Create Repositories

Start a new repository or obtain one from an existing URL

$ git init

Creates a new local repository with the specified name

$ git clone [url]

Downloads a project and its entire version history

$ git init --bare

Creates a new bare repository

Make Changes

Review edits and craft a commit transaction

$ git status

Lists all new or modified files to be committed.

$ git diff

Shows file differences not yet staged.

$ git add [file]

Snapshots the file in preparation for versioning.

$ git diff --staged

Shows file differences between staging and the last file version.

$ git reset [file]

Unstages the file, but preserve its contents.

$ git commit -m "[descriptive message]"

Records file snapshots permanently in version history.

Group Changes

Name a series of commits and combine completed efforts.

$ git branch

Lists all local branches in the current repository.

$ git branch [branch-name]

Creates a new branch.

$ git checkout [branch-name]

Switches to the specified branch and updates the working directory.

$ git merge [branch]

Combines the specified branch’s history into the current branch.

$ git branch -d [branch-name]

Deletes the specified branch.