

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.

