### Overview

What is the purpose of git diff?

compares two sets of files

What is the purpose of git diff?

Compares commits, commits and working copies

## Usage

How do you determine differences between a working copy and the latest commit?

git diff

What is the difference between git diff and git diff --cached?

git diff shows the differences between the current snapshot and changes you've made to your workspace but haven't indexed / staged yet.

adding --cached only diffs the late

How do you configure git for diffing binary files?

http://git-scm.com/book/ch7-2.html

How do you compare two different revisions?

git diff <commit1> <commit2>

How do you generate a patch from a diff?

See changes to a file on another branch.

git diff [branch2] file

For example, if you’re on a branch and want to compare a file on that branch with the master branch…

git diff master menu.txt

Compare the current HEAD with the revision referred to by breakfast

git diff @ breakfast

Compare file foo.txt on branches a and b, where c is currently checked out

git diff a:foo.txt b:foo.txt

See the differences in a file on two branches {not the currently checkout out one}

git diff --name-only

git diff --name-status

git diff --stat

git diff --numstat

-- limit patch output to given dir

-- format patch output relative to given subdirectory

Useful when creating a patch to be applied to a different project

git diff --relative=subdir

-- and limit diff to named subdirs

git diff --relative=subdir phlx-clearing-web-nom/src