

Basics

Use git help [command] if you're stuck.

use gir nep (command) if your sexucx.

master
origin
default devel branch
default upstream branch
default upstream branch
HEAD HEAD HEAD-4
great-great grandparent of HEAD
foo..bar
from branch foo to branch bar

create update branch commit push browse revert push format-patch mark chang to be respec by commit

Create

From existing files
git aint
git add .

From existing repository
git clone -/old -/new
git clone git://...
git clone ssh://...

View

git status
git diff [oldid newid]
git log [-p] [file|dir]
git blame file
git show id [meta data + diff)
git show id:file
git branch (shows list " = curre
git tag -l (shows list)

Publish

In Git, commit only respects changes that have been marked explicitly with add.

git format-patch origin

git push remote
(push to origin or remot)
git tag foo
(mark current version)

Update

git archive Create release tarball git bisect Binary search for defects git cherry-pick Take single commit from a

Take single git fsck Check tree

git 1su.
Check tree
git gc Compress metadata (performat
git rebase
forward-port local changes to
remote branch
git remote add URL
Register a new remote reposit
for this tree
git stash
improvally set aside change

Useful Tools

git tag (there's more to it) gitk
Tk GUI for Git

Revert

git revert branch git commit -a --amend

git checkout id file

Branch

git fetch (from def. upstre git fetch remote git pull (= fetch & merge) git am -3 patch.mbox git apply patch.diff

git checkout branch

git merge branch git branch branch

(branch current)
git checkout -b new other
(branch new from other and
switch to it)

Conflicts

git diff [--base] git diff --ours git diff --theirs git log --merge gitk --merge

Tracking Files

git add files git mv old new git mm files git mm -cached files (stop tracking but keep files in working dir)

Structure Overview

(left to right) Command Flow

