Git Cheat Sheet

http://git.or.cz/

Remember: git command --help

Global Git configuration is stored in \$HOME/.gitconfig (git config --h

Create

From existing data

cd ~/projects/myproject git init git add.

From existing repo

- git clone ~/existing/repo ~/new/epo git clone git://host.org/project.git git clone ssh://you@host.org/proj.gevert

Show

Files changed in working directory git status

Changes to tracked files git diff

What changed between \$ID1 and \$ID2 git diff \$id1 \$id2

History of changes

git log

History of changes for file with git log -p \$file \$dir/ec/tory/

Who changed what and when in a file Branch git blame \$file

A commit identified by \$ID git show \$id

A specific file from a specific \$ID git show \$id:\$file

All local branches

git branch

(star '*' marks the current b

Cheat Sheet Notation

Concepts

Git Basics

Return to the last committed state

git reset --hard

🐧 you cannot undo a hard

Revert the last commit

git revert HEADCreates a new commit

Revert specific commit

git revert \$id Creates a new commit

Fix the last commit

git commit -a --amend
(after editing the broken files)

Checkout the \$id version of a file diffs checkout \$id \$file

Switch to the \$id branch git checkout \$id

Merge branch1 into branch2

git checkout \$branch2 git merge branch1

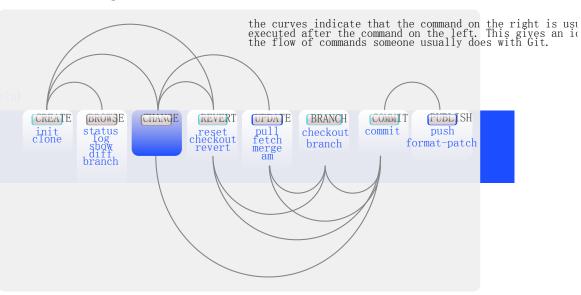
Create branch named \$branch based on the HEAD

git branch \$branch

Create branch \$new branch based on branch \$other and switch to it git checkout -b \$new branch \$other

Delete branch \$branch

Commands Sequence



Undate

Fetch latest changes from origin

(but this does not merge them).

Pull latest changes from origin git pull

(does a fetch followed by a merge)

Apply a patch that some sent you git am -3 patch.mbox (in case of a conflict, reso

git am --resolved)

Publish

Commit all your local changes git commit -a

Prepare a patch for other developers git format-patch origin

Push changes to origin

git push

Mark a version / milestone git tag v1.0

Finding regressions

git bisect start (to start) git bisect good \$1dd is the last work git bisect bad \$1did is a broken vers git bisect bad/goodo mark it as bad og it bisect visualize launch gitk and git bisect reset (once you're done)

Check for errors and cleanup repository

git fsck git gc --prune

ommands

Search working directory for foo()

∽ To view the merge conclicts

git diff (complete conflict diff) ne verstudiff --base \$fstenst base file) good) (\$galest your changes) git diff -- theirs (\$gilest other changes)

To discard conflicting patch

git reset --hard git rebase —skip

• After resolving conflicts, merge with

git add \$conflicting (flotefor all resolved files)

git branch -d \$branch

git grep "foo()"

git rebase --continue Reso]

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