OverAPI.com Python jQuery NodeJS PHP Java Ruby Javascript ActionScript CSS Express More »

Search

Resource

Online
Official Website

Download
GitCheatSheet [.pdf]
Git cheat sheet, extended edition prepared [.svg]
Git Quick Reference [.pdf]
Git Cheat Sheet In Chinese

Related
Bazaar
CVS
SVN

Branching/Tagging

List branches
git branch

Switch to branch
git checkout branch

Create new branch
git branch new

Create branch from existing
git branch new existing

Delete branch
git branch -d branch

Tag current commit
git tag tagname

Create Git

From existing directory
cd project_dir
git init
git add .

From other repository
git clone existing_dir new_dir
git clone git://github.com/user/repo.git
git clone https://github.com/user/repo.git

Remote Update / Publish

List remotes
git remote -v

Show information
git remote show remote

Add remote
git remote add path/url

Fetch changes
git fetch remote

Fetch + merge
git pull remote branch

Publish local to remote
git push remote branch

Delete remote branch
git push remote :branch

Publish tags
git push origin/upstream --tags

Local Changes

Changed in working directory
git status

Tracked file changes
git diff

Add changed files
git add file1 file2 file3

Remove file
git rm file
git rm dir/ -r
    (recursive under directory)

See files ready for commit
git diff --cached

Commit changes
git commit
git commit -m "My message"
git commit -a -m "My Message"
    (tracked files only, auto add)

Change last commit
git commit --amend

Revert changes to file
git checkout -- file

Revert changes (new commit)
git revert HEAD

Return to last committed state
git reset --hard HEAD

History

Show all commits
git log

Short Format
git log --pretty=-short

Patches
git log -p

Show file commits
git log file

Show directory commits
git log dir/

Stats
git log --stat

Who changed file
git blame file

Useful Commands

Finding Regressions
git bisect start
    to start
git bisect good $id
    $id is the last working version
git bisect bad $id
    $id is a broken version
git bisect bad/good
    to mark it as bad or good
git bisect visualize
    to launch gitk and mark it
git bisect reset
    once you're done

Check for Errors and Cleanup Repository
git fsck
git gc --prune

Merge/Rebase

Merge branch into current
git merge branch

Rebase into branch
git rebase branch
git rebase master branch

Abort rebase
git rebase --abort

Merge tool to solve conflicts
git mergetool

To view the merge conflicts
git diff
    complete conflict diff
git diff --base $file
    against base file
git diff --ours $file
    against your changes
git diff --theirs $file
    against other changes

To discard conflicting patch
git reset --hard
git rebase --skip

After resolving conflicts
git add $conflicting_file
    do for all resolved files
git rebase --continue

Ad