PeepCode

screencasts

Git

The git source code control system.

Resources

- Git (http://git.or.cz)
- Git-related bookmarks (http://del.icio.us/topfunky/git)

The code included with this screencast is for instructional purposes only. No guarantee is made as to the function or fitness of the code for any purpose. However, every effort was made to provide accurate code and commentary in this screencast. If you find an error, please report it to peepcode@topfunky.com

Common Commands

```
# Create a repository in the current directory
git init

# Create a local copy of a git repository
git clone [user@domain:/path]

# View the log
git log
# View log with ASCII graph
git log --stat
# View log with diffs
git log -p

# View branches
git branch
# View all branches
git branch -a
# Create a branch
git branch [branch_name]
# Delete branch
git branch -d [branch_name]
# Force delete a branch
git branch -D [branch_name]
# Create a tracking branch
git branch --track [branch_name] [repo/branch]

# Switch to a branch
git checkout [branch_name]
# Create and switch to a branch
git checkout -b [branch_name]

# Add all content to the index
git add .
# Add specific content to the index
git add [file_name]

# Save changes queued to the index
git commit
# Save all uncommitted changes
git commit -a
```

```
# Commit and show diff of changes
git commit -v
# Quick commit message
git commit -m "Message"

# Restart branch with code in another branch
git rebase [branch_name]

# View the difference between branches
git diff [branch1] [branch2]

# Combine code from a branch into the current one
git merge [branch_name]

# Undo last commit or merge
git reset --hard ORIG_HEAD

# Save uncommitted changes
git stash "Description"
# Show stash
git stash list
# Merge the stash with working directory
git stash apply
# Delete stashed code
git stash clear

# Send commit objects to another repository
git push
# Send commits to a specific repo and branch
git push [repository] [branch_name]

# Fetch objects and merge with current branch
# (if tracking)
git pull
# Fetch and merge from a specific repo and branch
git pull [repository] [branch_name]

# Get objects from a repository
git fetch [repository]

# Create a git repository based on a Subversion repo
git-svn clone [url]
# Send git commits back to Subversion
git-svn dcommit
# Get changes from Subversion
git-svn rebase
```

Other screencasts also available for $9

- Upgrading to Rails 2.0
- Rails Code Review PDF
- Rails from Scratch, in two parts
- Ajax with Prototype.js
- Javascript with Prototype.js
- RESTful Rails
- Capistrano Concepts
- RJS for Rails
- TextMate for Rails
- Test-Driven Development
- Page, Action, and Fragment Caching

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Revisions

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