Mercurial Distributed version control

CONCEPTS

Unlike git there is no staging area: commit takes all changed tracked files, or just the files you name.

Working dir your files
↓ `hg commit`
Local repo changesets
↓ `hg push`
Remote default path

hg pull only fetches; hg pull -u also updates the working directory (or run hg update after).

Phases (draft, public) mark which changesets are safe to rewrite: public ones are not.

SETUP

`hg init`
Create a repository here

`hg clone <url> [<dir>]`
Copy a remote repository

`hg config --edit`
Open your user hgrc

`hg paths`
List remote aliases

`hg help <command>`
Help for one command

SNAPSHOT

`hg status`
List changed files

`hg add [<file>]`
Track new files

`hg commit -m "<msg>"`
Commit all changes

`hg commit -m "<msg>" <file>`
Commit only some files

`hg commit -i`
Pick hunks interactively

`hg commit --amend`
Fold changes into the last commit

`hg diff`
Show uncommitted changes

`hg diff -c <rev>`
Show what one changeset did

SNAPSHOT (cont.)

`hg diff -r <a> -r <b>`
Compare two revisions

`hg addremove`
Add new, forget missing files

`hg remove <file>`
Delete and untrack a file

`hg forget <file>`
Untrack but keep the file

`hg rename <old> <new>`
Move or rename a tracked file

`hg revert <file>`
Discard edits to a file

`hg revert --all`
Discard all uncommitted edits

HISTORY

`hg log`
Show revision history

`hg log -G`
Show history as a graph

`hg log -l <n>`
Limit to n entries

`hg log <file>`
History of one file

`hg log -r "<revset>"`
Select with a revset

`hg log -k <text>`
Search commit messages

`hg annotate <file>`
Who changed each line

`hg cat -r <rev> <file>`
Show a file at a revision

`hg summary`
Summarize working directory

`hg heads`
List branch heads

REMOTES

`hg pull`
Fetch changesets only

`hg pull -u`
Fetch and update

`hg push`
Send changesets to default

`hg incoming`
Preview what a pull brings

`hg outgoing`
Preview what a push sends

UPDATE AND BRANCHES

`hg update <rev>`
Switch the working dir

`hg update -C <rev>`
Switch, discarding local edits

`hg branch`
Show the current branch name

`hg branch <name>`
Name a new branch

`hg branches`
List named branches

`hg bookmark <name>`
Create a bookmark here

`hg bookmarks`
List bookmarks

`hg update <bookmark>`
Switch to a bookmark

`hg tag <name>`
Tag the current revision

MERGE AND UNDO

`hg merge`
Merge the other head into working dir

`hg merge <rev>`
Merge a specific revision

`hg resolve --list`
List files and merge state

`hg resolve --mark <file>`
Mark a conflict as resolved

`hg commit`
Finish the merge with a commit

`hg graft <rev>`
Copy a changeset here

`hg backout <rev>`
Undo a changeset with a new one

`hg shelve`
Set aside local changes

`hg unshelve`
Restore shelved changes

REWRITE HISTORY

`hg rebase -d <dest>`
Move current branch onto dest

`hg histedit <rev>`
Edit, fold or drop commits