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