Mercurial Usage

http://www.selenic.com/mercurial

Create

From scratch

hg init ~/projects/myproject

From existing data

cd ~/projects/myproject hg init hg add -X "*.bak"

From existing repo

hg clone ~/projects/muproject ~/workspace/muproject-wip

Browse

Files changed in working directory

hg status

Changes to tracked files

hg diff

History of changes

hg log

History of changes for file/directory

hg log FILE ... SUBDIR/

Who changed what, when in a file?

hg annotate myfile

What changed between R2 and R5

hg diff -r2 -r5 | diffstat

A specific file from a specific rev

hg cat -rREV myfile

How many branches in the repo

Is the current branch merged from others?

hg parents

Concepts

REPOSITORY: where Mercurial stores the revisions WORKING DIR: where you do your changes (work) CHANGESET: a set of changes committed at once

REV: number that identifies a revision REVISION: changeset integrated into the repository PARENT: immediate ancestor of a revision or the WD BRANCH : follow a given child from a revision MERGE: a revision with two parents **HEAD**: latest revision of a branch TIP : latest head

TAG: name for a specific revision

PATCH: data to update files from R1 to R2 BUNDLE: patch with permissions and renames support

Revert

Revert to parent rev of the working dir

hg revent

Content of a file to a previous rev

hg revent -rREV FILE

(but the working dir keeps the same parents)

Working directory content to a previous rev

(but this does not change the current rev).

Current revision to a previous rev

hg update -C REV

(REV will be new parent, local changes are cleaned)

Your last commit / pull / import / unbundle

hg rollback



(you cannot undo a rollback !)

Merge

Merge with a given revision

hg merge REV (you should have a clean WD) (REV will be added as the second parent)

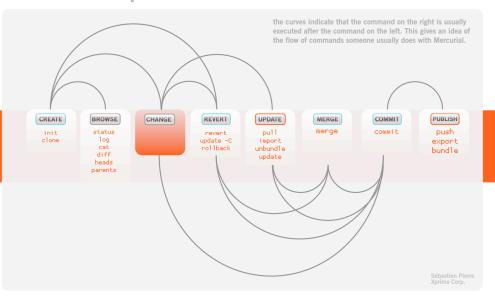
View which revisions you are merging

hg parents

Undo your messed-up merge

hg update -C tip (works only if you merged from tip)

Commands Sequence



Update

Synchronize with main (or other) repository

hg_pull_OTHER_REPO

(but this does not change the working directory).

Current revision to latest one

hg update REV (only works when on the same branch)

Apply a patch that some sent you

hg import PATCHFILE ha unbundle BUNDLE

Publish

Publish your local changes to the "main"

(but you have to be in sync with "main")

Prepare a patch for other developers

hg export REVISIONS... > mypatch.patch

Bundle changes to update other repo

hg bundle BUNDLEFILE.hg OTHER_REPO (use push when possible)

Mark a version / milestone

hg tag v1.0

Summary

Create

ha init [DEST] hg clone [OPTION]... SOURCE [DEST]

hg status [OPTION]... [FILE]... hg diff [-a] [-I] [-X] [-r REV1 [-r REV2]] [FILE]. hg log [OPTION]... [FILE]

ng log (PFIOW)... (FILE) hg annotate [-r REV] [-a] [-u] [-d] [-n] [-c] FILE. hg cat (PFIOW)... FILE... hg heads [-b] [-r ≪rev»] hg parents [-b] [REV]

hg revert [-I PATTERN] [-X PATTERN] [-r REV] [NAME]. hg update [-b TAG] [-m] [-C] [-f] [REV]

Update / Merge

hg pull [-u] [-e FILE] [-r REV]... [--remotecmd FILE] [SOURCE] hg merge [-b TAG] [-f] [REV] hg import [-p MAM] [-b BASE] [-f] PATCH.. hg unbundle [-u] FILE

hg push [-f] [-e FILE] [-r REV]... [--remotecmd FILE] [DEST] hg export [-a] [-o OUTFILESPEC] REV... hg bundle FILE DEST hg tag [-1] [-m TEXT] [-d DATE] [-u USER] [-r REV] NAME