Cheatography

Mercurial (Hg) Cheat Sheet

by CodeShane (codeshane) via cheatography.com/1611/cs/523/

Hg - Work Directory

A local **Work** folder containing one Revision and any uncommited changes you've made.

Hg - Undos and Fixes

hg rollback can undo commit, import, pull, local push, and unbundle. Only use in private repos.

hg update –clean can cancel an uncommitted merge while losing changes.

Hg - Create an Archive

hg archive -r*REV filename.zip*

hg archive *-rREV filename.tar.gz*

Hg - Work Files and Tracking

hg add *file*	Begin tracking changes
hg addremove	Track new, forget missing
hg forget *file*	Stop tracking file
hg remove *file*	Stop tracking & del
hg copy *file target*	Copy file
hg move *file target*	Move file

These changes to Work must also be Committed to avoid data loss.

Hg - Work Directory Updates

hg update *tip*	Update Work to match Tip
hg update -r*REV*	Update Work to specified Revision
hg revert	Undo all uncommitted changes

Hg - Work Status

hg diff	Lists tracked file changes
hg diff *file*	List changes to a file
hg status	Lists status of files

Added, **C**lean, **D**eleted, **I**gnored, **M**odified, **U**nknown

Hg - Local Repository

A complete **Local** repository of changesets that is saved in *Work/.hg/* (don't edit!)

Hg - Local Repo History

hg log *file/dir*	History of changesets
hg annotate file	Who changed what, when
hg paths	Lists known remote Repos
hg heads	List heads

hg diff -r*REV* -r*REV*
Shows differences between REVs

Hg - Create a Local Repo

hg init *Work*	Creates ./.hg/ subfolder & Repo
hg add	Begin tracking all files
hg commit -m *'Initial commit'*	Save files and Commit message to Repo

Hg - Clone Remote Repo

hg clone *Remote* *Work*

Hg - Update from Remote Repo

hg incoming *Remote*	List changesets available
hg pull	Pull all new changesets into Local
hg pull -r *Remote*	Pull specified changesets into Local
-u	Also Update Working Directory

Hg - Union Merge

hg pull –force *unrelated_project*

hg merge

hg commit

Powerful simplicity! Use wisely.

Hg - Resources

http://mercurial.selenic.com

http://hginit.com

http://hgbook.red-bean.com

Hg - Remote Repository

A **Remote** repository reached via url path, often a main team repo from which Local is cloned.

Hg - Remote Update and Publish

hg push *Remote*	Push changesets to Remote
hg share	Sync history with parent and siblings

Hg - Terminology

Repository	Repo. Collection of Revisions.
Revision	Rev. Commited changeset, by **REV** number.
Changeset	Set of Work changes saved as Diffs.
Diff	Changes between files.
Tag	Name for a specific Rev.
Parent	Immediate ancestor of Rev or Work.
Branch	Child of Rev.
Merge	Rev with two parents.
Head	Latest Rev in Branch.
Tip	Latest Rev in ANY Branch.
Patch	All Diffs between two Revs.
Bundle	Patch with permissions and rename support.

Hg - Help

hg	Basic command list.
hg help	Full command list.
hg help *command*	Detailed help reference.

Hg - Command Line

hg command *-option... argument...*

required *non-literal reference*

Hg - Common Options

-rREV	Specify a Rev number (default parent.)
-y	Don't prompt; pick each first option.
-q	Quiet (supress output.)
-v	Verbose (additional detail)
-f	Force (override reasonable warnings.)

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