VCS — Mercurial

Operation	Keystroke	Function	Note		
Emacs Version Control		sion control through its VC interface. That wo	orks well with Mercurial, one of the supported (D)VCS.		
	Emacs VC interface support multiple backends. The list of backends it supports is controlled by the customizable variable vc-handled-backends which by default is set to (RCS CVS SVN SCCS SRC Bzr Git Hg Mtn). You can remove some of them if you do not want to support them. When visiting a directory or a file and using a VC command to manage the repository, VC automatically detects the (D)VCS type for the repository, set the variable vc-dir-backend and adjusts its backend accordingly. If the directory has a .hg directory or is enclosed in a directory tree where the root has a .hg directory, then VC uses the Mercurial backend and the commands behaves as described in this table.				
	While working with one backend, you can also temporary switch to another backend using the C-x v b command issued in a file or a directory under VC control. This can be of great use in some specific situations. Unfortunately this does not seem to work. To be able to manage the files of a directory tree with more than one (D)VCS, work with Emacs variables seem to be necessary. It's possible to make Emacs deal with various backends, one at a time and force selection of one backed by setting the <i>vc-dir-backend</i> variable to the backend you want to use at the moment. One way is to set the value of the <i>vc-dir-backend</i> variable for the <i>vc-dir-mode</i> via the directory local variables by adding the following inside				
	the .dir-locals.el of the directory (or above): (vc-dir-mode . ((vc-dir-backend . Hg)))				
	You might also have to add the safe values of <i>vc-dir-backend</i> to the <i>safe-local-variable</i> -values. For example if you wanted to be able to control a set of files with both Git and Mercurial to compare them and test their capabilities, you could add the following statement in the custom-set-variables arguments:				
	'(safe-local-variable-values (quote ((vc-dir-backend . Git) (vc-dir-backend . Hg))))				
	to a shared Git r for backup or ke	epo and use Mercurial to store more or difference	ou can use this technique for example if you are using Git for publishing your files ent files located in the same directory tree inside a private Mercurial repo you use o publish to the Git repo yet still want them inside the same directory tree. Of		
VC commands while editing files	Mercurial is well supported by Emacs VC mode as long as Mercurial is installed and the Emacs process has access to the Mercurial hg command. No special setup is required, VC will automatically detect that the file is inside a Mercurial repository as described above. When editing a file that is inside a Mercurial repository, you can use the following VC commands. Since the VC command key bindings is the same for all VCS backends, some of the commands do not apply to Mercurial and are not listed below.				
Switch VCS backend	С-х v b	(vc-switch-backend FILE BACKEND)	Make BACKEND the current version control system for FILE. • FILE must already be registered in BACKEND. The change is not permanent, only for the current session. This function only changes VC's perspective on FILE, it does not register or unregister it. • By default, this command cycles through the registered backends. • To get a prompt, use a prefix argument. *** *** ** ** ** ** ** ** **		
Pull files from parent repo:	C-x v +	(vc-update &optional ARG)	Executes: hg pull command to pull files from parent repository.		
hg pull			 Update the current fileset or branch. You must be visiting a version controlled file, or in a 'vc-dir' buffer. On a distributed version control system, this runs a "pull" operation to update the current branch, prompting for an argument list if required. Optional prefix ARG forces a prompt for the VCS command to run, allowing the addition of command line options. 		
Diff versions of current file:	C-x v =	(vc-diff &optional HISTORIC NOT-URGENT	Executes: hg diff command to list differences between current file version in repo and local file's content.		
hg diff			 Display diffs between file revisions. Normally this compares the currently selected fileset with their working revisions. With a prefix argument HISTORIC, it reads two revision designators specifying which revisions to compare. The optional argument NOT-URGENT non-nil means it is ok to say no to saving the buffer. 		
Diff versions of all files in directory:	С-ж v D	(vc-root-diff HISTORIC &optional NOT- URGENT)	Executes: hg diff command to list differences between all files in the local directory and the repository.		
hg diff			 Display diffs between VC-controlled whole tree revisions. Normally, this compares the tree corresponding to the current fileset with the working revision. With a prefix argument HISTORIC, prompt for two revision designators specifying which revisions to compare. The optional argument NOT-URGENT non-nil means it is ok to say no to saving the buffer. 		
Ignore a file (update the .hgignore file)	C-x v G	(vc-ignore FILE &optional DIRECTORY REMOVE)	Update the depot's .hgignore file to ignore a specific file or files. • Ignore FILE under the VCS of DIRECTORY. • Normally, FILE is a wildcard specification that matches the files to be ignored. When REMOVE is non-nil, remove FILE from the list of ignored files. • DIRECTORY defaults to 'default-directory' and is used to determine the responsible VC backend. • When called interactively, prompt for a FILE to ignore, unless a prefix argument is given, in which case prompt for a file FILE to remove from the list of ignored files.		
List files incoming from parent (or specified) repo hg incoming	C-x v I	(vc-log-incoming &optional REMOTE-LOCATION)	Executes: hg incoming to list files incoming from parent (or specified) repo. Show a log of changes that will be received with a pull operation from REMOTE-LOCATION. When called interactively with a prefix argument, prompt for REMOTE-LOCATION.		
Print repo log	C-x v L	(vc-print-root-log &optional LIMIT)	Executes: hg log to list the repo log in a *vc-change-log* buffer.		
hg log			 List the change log for the current VC controlled tree in a window. If LIMIT is non-nil, it should be a number specifying the maximum number of revisions to show; the default is 'vc-log-show-limit'. When called interactively with a prefix argument, prompt for LIMIT. 		

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Show change sets not found in	C-x v O	(vc-log-outgoing &optional REMOTE-	Executes: hg outgoing to list deltas to push to parent repo.
the destination		LOCATION)	Show a log of changes that will be sent with a push operation to REMOTE- LOCATION.
hg outgoing			When called interactively with a prefix argument, prompt for REMOTE-
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(10 11 1450)	LOCATION.
Push changes to the specified destination	C-x v P	(vc-push &optional ARG)	Executes: hg push to push committed change sets to the parent repo.
hg push			Push the current branch.You must be visiting a version controlled file, or in a 'vc-dir' buffer.
ilg pusii			On a distributed version control system, this runs a "push" operation on the
			current branch, prompting for the precise command if required. Optional prefix ARG non-nil forces a prompt for the VCS command to run.
List status of files in *vc dir*	C-x v d	(vc-dir DIR &optional BACKEND)	Executes: hg status. Open a *vc dir* buffer that shows the hg status of files.
buffer		,	Show the VC status for "interesting" files in and below DIR.
hg status			 This allows you to mark files and perform VC operations on them. The list omits files which are up to date, with no changes in your copy or the
			repository, if there is nothing in particular to say about them. • Preparing the list of file status takes time; when the buffer first appears, it has
			only the first few lines of summary information. The file lines appear later.
Annotate version of each line of	C-x v g	(vc-annotate FILE REV &optional DISPLAY-	Annotate the lines of the current file: open a *Annotate file (rev #)* buffer that
file		MODE BUF MOVE-POINT-TO VC-BK)	shows the annotation of each line of the current file, each changes has its own background colour.
hg annotate			More commands are available in the *Annotate* buffer.
Add the file to the repo	C-x v i	(vc-register &optional VC-FILESET	Register into a version control system: perform a hg add for the file.
Add the file to the repo	C-A V 1	COMMENT)	register into a version control system. perform a rig add for the life.
Open the change log for the file	C-x v 1	(vc-print-log &optional WORKING- REVISION LIMIT)	Executes: hg log. Open the change log for the file in the *vc-change-log* buffer.
Merge	C-x v m	(vc-merge)	Executes: hg merge. Perform a version control merge operation.
hg merge			 You must be visiting a version controlled file, or in a 'vc-dir' buffer. This runs a "merge" operation to incorporate changes from another branch
			onto the current branch, prompting for an argument list.
Retrieve a tagged version	C-x v r	(vc-retrieve-tag DIR NAME)	For each file in or below DIR, retrieve their tagged version NAME. • NAME can name a branch, in which case this command will switch to the
			named branch in the directory DIR.
			 Interactively, prompt for DIR only for VCS that works at file level; otherwise use the repository root of the current buffer.
			 If NAME is empty, it refers to the latest revisions of the current branch. If locking is used for the files in DIR, then there must not be any locked files
			at or below DIR (but if NAME is empty, locked files are allowed and simply
			skipped). Tab completion on tag is available at the prompt.
			⚠ Tags show in tab completion do not include the tags created with hg tag.
Create a tag	C-x v s	(vc-create-tag DIR NAME BRANCHP)	Executes: hg tag. Descending recursively from DIR, make a tag called NAME.
hg tag			 For each registered file, the working revision becomes part of the named configuration. If the prefix argument BRANCHP is given, the tag is made as
			a new branch and the files are checked out in that new branch.
Revert	C-x v u	(vc-revert)	Revert working copies of the selected fileset to their repository contents. This asks for confirmation if the buffer contents are not identical to the working
hg revert			revision (except for keyword expansion).
Commit: hg ci	C-x v v	(vc-next-action VERBOSE)	Executes: hg commit , when the file has non-committed changes.
Delete a file	C-x v x	(vc-delete-file FILE)	Executes: hg remove Delete file and mark it as such in the version control system.
hg remove			Prompts for the file name, using the directory of the file visited in current buffer.
Rename a file	M-x vc-	(vc-rename-file OLD NEW)	Executes: hg rename
hg rename	rename-file		Rename file OLD to NEW in both work area and repository. If called interactively, read OLD and NEW, defaulting OLD to the current buffer's
			file name if it's under version control.
Open a specific revision of the file in another window	C-x v ~	(vc-revision-other-window REV)	Visit revision REV of the current file in another window. • If the current file is named 'F', the revision is named 'F.~REV~'.
III dilotilei willdow			If 'F.~REV~' already exists, use it instead of checking it out again. If 'F.~REV~' already exists, use it instead of checking it out again.
vc-dir buffer		· · ·	files unregistered, modified and not yet committed. The buffer supports a set of
			operations on the repository. The following shows some of the available nation and list the other commands (type ? in the buffer's window).
Mark file	m	(vc-dir-mark)	Mark the current file or all files in the region.
			If the region is active, mark all the files in the region. Otherwise mark the file on the current line and move to the next line.
			Operations from the buffer apply to all marked files, like adding or committing
			files, or other operations. This is really useful to commit several files in the same changeset.
Unmark file	,,	(vo_dir_unmark)	
Onlinark file	u u	(vc-dir-unmark)	Unmark the current file or all files in the region. If the region is active, unmark all the files in the region. Otherwise unmark the
			file on the current line and move to the next line.
Unmark all files	• U • M- 	(vc-dir-unmark-all-files ARG)	Unmark all files with the same state as the current one. • With a prefix argument unmark all files.
			If the current entry is a directory, unmark all the child files.
			 The commands operate on files that are on the same state. This command is intended to make it easy to deselect all files that share the
			same state. This only seems to works when point is on the line of an marked or undeted
			⚠ This only seems to works when point is on the line of an marked or updated item.
Add or commit marked files	v	(vc-next-action VERBOSE)	Executes:, for all marked files:
			 hg add of the files if the files are not part of the repository yet. hg commit, of all marked files, otherwise.
Diff marked files against current		(vc-diff &optional HISTORIC NOT-URGENT)	Executes: hg diff command to list differences between current file version in
repository revision		(and angular and angular angu	repo and local file's content for all marked files.
Push current branch	P	(vc-push &optional ARG)	Executes: hg push.

Operation	Keystroke	Function	Note
Pull from parent repo	+	(vc-update &optional ARG)	Execute: hg pull
hg pull			Update the current fileset or branch. • Optional prefix ARG forces a prompt for the Mercurial command to run.
			Sor Mercurial, to pull and update, type C-u + to get the hg pull prompt and
			then add -u to the command to also perform an hg update
Ignore the current file	G	(vc-dir-ignore)	Ignore the current file; update the .hgignore file.
Hide items	x	(vc-dir-hide-up-to-date &optional STATE)	Hide items that are in STATE from display. Hitting x alone hides both 'up-to-date' and 'ignored' items. To hide a specific file status, move point to a file with that status and then hit C-u x while on that line.
			 To view the files again, hit g.
Show items	g	(revert-buffer &optional IGNORE-AUTO NOCONFIRM PRESERVE-MODES)	Restore buffer to the default list view.
Show help for the mode	• ? • h	(describe-mode &optional BUFFER)	Opens the *Help* buffer with information about the mode, listing the various key bindings and commands available
Close the window	q	(quit-window &optional KILL WINDOW)	Quit WINDOW and bury its buffer.
vc-change-log buffer	The C-x v L and C	C-x v 1 commands list the repo change log	into the *vc-change-log* buffer.
	The following commands are available in the buffer. There are some other commands that are available (like e to modify the change comment) that do not work for the Mercurial back-end and navigation commands. Use the describe-mode command to get more information.		
Toggle log line entry view	<ret></ret>	(log-view-toggle-entry-display)	Toggle the view of the log line between a single line to a multi-line with more details.
Show diff for log entry	• d	(log-view-diff BEG END)	Show the file(s) difference(s) for the log entry inside a *vc-diff* buffer.
	• =		Get the diff between two revisions. If the region is inactive or the mark is on the revision at point, get the diff between the revision at point and its previous revision. Otherwise, get the diff between the revisions where the region starts and ends. Unlike 'log-view-diff-changeset', this function only shows the part of the changeset which affected the currently considered file(s).
Show diff for log entry	D	(log-view-diff-changeset BEG END)	Does the same as the command described above at least for Mercurial).
	f		
Mark log entry for future diff operation.	m	(log-view-toggle-mark-entry)	Mark the current log entry line to use as the version to participate in a diff operation. Toggle the marked state for the log entry at point. Individual log entries can be marked and unmarked. The marked entries are denoted by changing their background color. 'log-view-get-marked' returns the list of tags for the marked log entries.
Show help for the mode	• ? • h	(describe-mode &optional BUFFER)	Opens the *Help* buffer with information about the mode, listing the various key bindings and commands available
Close the window	q	(quit-window &optional KILL WINDOW)	Quit WINDOW and bury its buffer.
Annotate buffers		nd opens an *annotate* buffer where the file rokey commands are available in this buffer. Use	evision annotation is shown. e the describe-mode command to get more information.
Show the diff of the revision of the current annotated line	• d	(vc-annotate-show-diff-revision-at-line)	Visit the diff of the revision at line from its previous revision. • Open the changes diff in the *vc-diff* buffer.
Show the change set corresponding to the annotated line.	D	(vc-annotate-show-changeset-diff- revision-at-line)	Visit the diff of the revision at line from its previous revision for all files in the changeset. • Open the changes diff in the *vc-diff* buffer.
Open the file for the revision that corresponds to the revision of the current annotated line	f	(vc-annotate-find-revision-at-line)	Visit the file at the revision identified in the current line. • The file at specific revision is opened in a buffer that has the same file name with a suffix that identifies the revision number.
Open the log of the revision of the current annotated line	1	(vc-annotate-show-log-revision-at-line)	Visit the log of the revision at line; only show the log entry for the revision. • If a *vc-change-log* buffer exists and already shows a log for the file in question, search for the log entry required and move point.
Update the annotated view to the revision as it was at the version of the current annotated line	j	(vc-annotate-revision-at-line)	Visit the annotation of the revision identified in the current line.
Update the annotated view to the next revision	n	(vc-annotate-next-revision PREFIX)	Visit the annotation of the revision after this one. With a numeric prefix argument, annotate the revision that many revisions after.
Update the annotated view to the previous revision	p	(vc-annotate-prev-revision PREFIX)	Visit the annotation of the revision previous to this one. • With a numeric prefix argument, annotate the revision that many revisions previous.
Update the annotated view to the current working version	w	(vc-annotate-working-revision)	Visit the annotation of the working revision of this file.
Show help for the mode	• ? • h	(describe-mode &optional BUFFER)	Opens the *Help* buffer with information about the mode, listing the various key bindings and commands available
Close the window	q	(quit-window &optional KILL WINDOW)	Quit WINDOW and bury its buffer.

VCS - Mercurial — Reference

Topic/URL	Comment
Mercurial itself	
Mercurial @ Wikipedia	Describes Mercurial

Topic/URL	Comment
Mercurial home page	Official Mercurial home. Documentation is available on this website.
Mercurial in Emacs	
Mercurial @ EmacsWiki	Lists the various Emacs packages that support Mercurial within Emacs
Using Mercurial in Emacs @ superuser	Discussion about the alternatives as they were in 2014.
- Emacs VC Mode	
GNU Emacs Manual - 28.1: Version Control	Describes the VC mode, the integrated VCS mode, that supports several systems, including Mercurial. Note an important variable: <i>vc-handled-backends</i> . It contains a list of supported (D)VCS backends. To completely disable VC, set it to nil.
Emacs VC Mode and Mercurial	A quick introduction to VC mode for Mercurial, from the Mercurial wiki. Lists enough Emacs commands to get going. • The page reports that VC support for hg pull and hg push was broken in Emacs 23.1-24.1.1, but now it works fine in Emacs 26.
vc.el	Emacs file: drives a version control system within Emacs.
vcdir.el	Directory status display under VC
- Mercurial.el	
Mercurial Mode @ EmacsWiki	The mercurial.el implements a mercurial mode, which is another package that supports Mercurial.
How to use Emacs to work with Mercurial @ alexott.net	A blog describing how to use mercurial.el package.
mercurial.el @ GitHub	
- Monky	
Monky - an Emacs mode for Hg	Monky is a Mercurial support interface that is similar to Magit, the very popular Emacs support package for Git.
Monky User Manual	
- aHG	
aHg: An Emacs front-end for the Mercurial SCM	Description of aHG from the author.
aHG @ MELPA	