

RPM & RPM .specs Files Management & Decoding Support

Description	Keystroke	Function	Note
RPM Package Manager Files o Edit .rpm files o Edit RPM .spec file • rpmlint .spec file • build the RPM o RPM references See RPM Spec file format See File-mnngt ➡ Last updated on:	The following external package provides the ability to work with Linux RPM package and specification files. PEL supports the following: 📦 The archive-rpm external package, 🔧 activated by pel-use-archive-rpm user-option set to t . Setting this automatically sets the next. This mode provides the ability to open a .rpm file to display its meta data and each of the compressed files. 📦 The rpm-spec-mode external package, 🔧 activated by pel-use-rpm-spec user-option set to t . This implements a major-mode for the RPM .spec files: it provides coloration and navigation commands. 👉 Even though the RPM package Manager is mostly used under Linux, the packages here can be used under other Unix-like operating systems. 👉 The pel-show-rpm-providing-file command (bound to <f11> f ? r) prints the name of the RPM that provided the file in the current buffer.		
Open this PDF file. See also: 🔗 Help/Info	<f11> SPC M-R <f1> <f12> <f1>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the M Rpm local PDF. If the prefix argument (like C-u or M--) is used, then it opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around.
Customize RPM Support See also: 🔗 Customize	<f11> SPC M-R <f2> <f12> <f2>	(pel-rpm-customize-pel &optional OTHER-WINDOW)	Customize PEL rpm support. Use it to activate/de-activate various grep tools. • If OTHER-WINDOW is non-nil (use C-u) , display in other window.
Editing .rpm files	📦 Requires the archive-rpm external package, 🔧 activated by pel-use-archive-rpm user-option set to t .		
Help - summary of available commands	• ? • h • C-h m • <f1> m • <f11> ? k m	(describe-mode &optional BUFFER)	Display documentation of current major mode and minor modes.
Mark file for later command	m	(archive-mark P)	In archive mode, mark this member for group operations. • With a prefix argument, mark that many members. • Use M-x archive-unmark-all-files to remove all marks.
Unmark file	u	(archive-unflag P)	In archive mode, un-mark this member if it is marked to be deleted. • With a prefix argument, un-mark that many files forward.
	a	(archive-alternate-display)	Toggle alternative display. To avoid very long lines archive mode does not show all information. This function changes the set of information shown for each files. ⚠️ this does not seem to work.
View current file	v	(archive-view)	View the file of the current line. No change allowed.
Open current file	• e • f • RET	(archive-extract &optional OTHER-WINDOW-P EVENT)	Extract this entry of the archive into its own buffer. • Modifications are allowed but saving them does not work. ⚠️
Open current file in other window	• E • o	(archive-extract-other-window)	In archive mode, find (open) this file member in another window.
Copy file(s) to specified directory	C	(archive-copy-file FILES NEW-NAME)	Copy FILES to a location specified by NEW-NAME. • Copy current file, prompting for destination. • If several files are marked, copy them all to the destination directory.
Change group for marked files ⚠️	G	(archive-chgrp-entry NEW-GID)	Change the group of all marked or this member. ⚠️ this does not seem to work.
Change mode ⚠️	M	(archive-chmod-entry NEW-MODE)	Change the protection bits associated with all marked or this member. The new protection bits can either be specified as an octal number or as a relative change like "g+rw" as for chmod(2). ⚠️ this does not seem to work.
Change owner ⚠️	O	(archive-chown-entry NEW-UID)	Change the owner of all marked or this member. ⚠️ this does not seem to work.
Mark file for deletion	• d • C-d	(archive-flag-deleted P &optional TYPE)	In archive mode, mark this member to be deleted from the archive. • With a prefix argument, mark that many files.
Delete all files marked for deletion	x	(archive-expunge)	After prompting for confirmation, delete all files marked for deletion.
Navigate in RPM-Archive buffer	The following commands select a new file line in the buffer.		
Move down one line	• SPC • n • C-n • <Down>	(archive-next-line P)	Down one line. • With numeric prefix argument, move down that many lines.
Move up one line	• S-SPC • p • C-p • <Up>	(archive-previous-line P)	Up one line. • With numeric prefix argument, move up that many lines.
Move to beginning of buffer	• < • M-<	(beginning-of-buffer &optional ARG)	Move point to the beginning of buffer.
Move to end of buffer	• > • M->	(end-of-buffer &optional ARG)	Move point to the end of buffer.
Refresh buffer	g	(revert-buffer &optional IGNORE-AUTO NOCONFIRM PRESERVE-MODES)	Refresh buffer.
Quit	q	(quit-window &optional KILL WINDOW)	Quit Rpm-Archive and bury the window.

Description	Keystroke	Function	Note
Editing RPM .spec files RPM Spec File Format RPM Packaging Guide RPM Spec File @ Red Hat	 Requires the rpm-spec-mode external package,  activated by pel-use-rpm-spec user-option set to t.  PEL is currently using my fork, installed as a single file. The code in the original repo does not compile with. latest version of Emacs.		
Open this PDF file. See also: 🔗 Help/Info	<f12> <f1>	(pel-rpm-help &optional OPEN-WEB-PAGE)	Open the M Rpm local PDF. If the prefix argument (like C-u or M--) is used, then it opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around.
Customize RPM Support See also: 🔗 Customize	<f11> SPC M-R <f2>	(pel-rpm-customize-pel &optional OTHER-WINDOW)	Customize PEL rpm support. Use it to activate/de-activate various grep tools. If OTHER-WINDOW is non-nil (use C-u), display in other window.
	<f12> <f2>		
Customize Emacs Grep Support	<f12> <f3>	(pel-rpm-spec-customize &optional OTHER-WINDOW)	Customize Emacs rpm-spec support. Prompt to load rpm-spec if not already loaded.
Configure			
Toggle adding %attr entry	C-c C-x a	(rpm-toggle-add-attr &optional ARG)	Toggle 'rpm-spec-add-attr' user-option. When active: Add "%attr" entry for file listings.
Change build root	C-c C-x b	(rpm-change-buildroot-option &optional ARG)	Change the value for buildroot user-option.
Toggle removing build tree	C-c C-x c	(rpm-toggle-clean &optional ARG)	Toggle 'rpm-spec-clean' user-option. When on: remove the build tree after the packages are made.
Toggle verifying build dependencies	C-c C-x d	(rpm-toggle-nodeps &optional ARG)	Toggle 'rpm-spec-nodeps' user-option. When off: verify build dependencies.
Change source directory	C-c C-x f	(rpm-files-group &optional ARG)	Change the source directory.
Toggle embedding GPG signature	C-c C-x g	(rpm-toggle-sign-gpg &optional ARG)	Toggle 'rpm-spec-sign-gpg' user-option. When on: embed a GPG signature in the package.
Change time check	C-c C-x i	(rpm-change-timecheck-option &optional ARG)	Change the value for timecheck.
Toggle executing build stages	C-c C-x n	(rpm-toggle-nobuild &optional ARG)	Toggle 'rpm-spec-nobuild' user-option. When on: do not execute any build stages. Useful for testing out spec files.
Change default owner	C-c C-x o	(rpm-files-owner &optional ARG)	Change the default owner for files.
Toggle removal of source & spec after build	C-c C-x r	(rpm-toggle-rmsource &optional ARG)	Toggle 'rpm-spec-rmsource' user-option. When on: remove the source and spec file after the packages are made.
Toggle quiet mode	C-c C-x q	(rpm-toggle-quiet &optional ARG)	Toggle 'rpm-spec-quiet' user-option. When on: print as little as possible (normally only errors).
Toggle short circuit	C-c C-x s	(rpm-toggle-short-circuit &optional ARG)	Toggle 'rpm-spec-short-circuit' user-option. When on: Skip straight to specified stage. (ie, skip all stages leading up to the specified stage). Only valid in "%build" and "%install" stage.
Change target	C-c C-x t	(rpm-change-target-option &optional ARG)	Change the value for target.
Change default umask	C-c C-x u	(rpm-files-umask &optional ARG)	Change the default umask for files.
Insert/Modify			
Change a tag	C-c C-c	(rpm-change-tag &optional ARG)	Change a tag.
Insert/change a tag	C-c C-i	(rpm-insert-tag &optional ARG)	Insert or change a tag.
Increate release tag by 1	C-c C-r	(rpm-increase-release-tag &optional ARG)	Increase the release tag by 1.
Insert prefix	C-c C-u	(rpm-insert-true-prefix)	Insert % {prefix} at point.
Insert directory	C-c C-d d	(rpm-insert-dir &optional DIRNAME)	Insert directory.
Insert doc directory	C-c C-d o	(rpm-insert-docdir &optional DIRNAME)	Insert doc directory.
Insert config file	C-c C-f c	(rpm-insert-config &optional FILENAME)	Insert config file.
Insert doc file	C-c C-f d	(rpm-insert-doc &optional FILENAME)	Insert doc file.
insert regular file	C-c C-f f	(rpm-insert-file &optional FILENAME)	Insert regular file.
insert ghost file	C-c C-f g	(rpm-insert-ghost &optional FILENAME)	Insert ghost file.
Goto change-log/ add entry for today	C-c C-e	(rpm-add-change-log-entry &optional CHANGE-LOG-ENTRY)	Find change log and add an entry for today.
Goto change-log/ add header for today	C-c C-w	(rpm-goto-add-change-log-entry)	Goto change log and add an header for today (if needed).
Navigate across sections			
Move to specified section	C-c C-o	(rpm-goto-section SECTION)	Prompt for section name, move point to the beginning of the specified section; leave mark at previous location.
Move to next section	C-c C-n	(rpm-forward-section)	Move forward to the beginning of the next section.
Move to previous section	C-c C-p	(rpm-backward-section)	Move backward to the beginning of the previous section. Go to beginning of previous section.
Checking RPM Specs			
Run rpmlint	<f12> l	(pel-rpm-spec-lint)	Lint the current RPM spec file with rpmlint, show errors in compilation-mode buffer. Uses PEL supplied awk filter POSIX shell script to format rpmlint output.
Building RPM			
Build all	• C-c C-b a	(rpm-build-all &optional ARG)	Run a 'rpmbuild -ba'.
	• <f12> b	(pel-rpm-build)	Build the RPM corresponding to current RPM spec file. - Prompt for command line with rpmbuild -ba as default, supporting history. - Create the ~/rpmbuild directory tree if needed.
Build binary	C-c C-b b	(rpm-build-binary &optional ARG)	Run a 'rpmbuild -bb'.
Build compile	C-c C-b c	(rpm-build-compile &optional ARG)	Run a 'rpmbuild -bc'.
Build install	C-c C-b i	(rpm-build-install &optional ARG)	Run a 'rpmbuild -bi'.
List check	C-c C-b l	(rpm-list-check &optional ARG)	Run a 'rpmbuild -bl'.
Build prepare	C-c C-b p	(rpm-build-prepare &optional ARG)	Run a 'rpmbuild -bp'.
Build source	C-c C-b s	(rpm-build-source &optional ARG)	Run a 'rpmbuild -bs'.

RPM — References

Description & URL	Notes
RPM Package Manage @ Wikipedia	
RPM .spec file	• RPM Spec File Format • RPM Packaging Guide • RPM Spec File @ Red Hat
HOWTO	A short list of useful RPM specific commands. In there the <i><RPM></i> identifies a rpm package name you are searching for.
Download RPM files with dnf (without installing them)	• dnf download <RPM> • Use this to download and inspect the content of a specific RPM file.
Install a rpm from a local file	rpm -i <RPM FILE>
List all installed RPM	rpm -qa
List all installed RPM by install time (with timestamp of their installation)	rpm -qa --last
List files installed by a RPM	rpm -ql <RPM> • Example: listing all directories created by all perl RPMs: <code>rpm -qa grep -i perl xargs -I \$ rpm -ql \$ xargs -I \$ dirname \$ sort uniq</code>
Get information about a specific RPM	rpm -qi <RPM>
Identify the RPM package of an installed file	rpm -qf <FILE-FULL-PATHNAME> • PEL provides a command to display the RPM that "owns" the file in the current buffer: pel-show-rpm-providing-file See PEL File-mngt