





















# RPM & RPM .specs Files Management & Decoding Support

Description	Keystroke	Function	Note
<b>RPM Package Manager Files</b> <ul style="list-style-type: none"><li>◦ <a href="#">Edit .rpm files</a></li><li>◦ <a href="#">Edit RPM .spec file</a></li><li>• <a href="#">rpmlint .spec file</a></li><li>• <a href="#">build the RPM</a></li><li>◦ <a href="#">RPM references</a></li></ul>	The following external package provides the ability to work with Linux RPM package and specification files. PEL supports the following:  The <a href="#">archive-rpm</a> external package,  activated by <b>pel-use-archive-rpm</b> user-option set to <b>t</b> . 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 <a href="#">rpm-spec-mode</a> external package,  activated by <b>pel-use-rpm-spec-mode</b> user-option set to <b>t</b> . 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.		
<b>Open this PDF file.</b> See also:  <a href="#">Help/Info</a>	<b>&lt;f11&gt; SPC M-R &lt;f1&gt;</b>	<b>(pel-help-pdf &amp;optional OPEN-WEB-PAGE)</b>	Open the <b>M Rpm</b> local PDF. If the prefix argument (like <b>C-u</b> or <b>M--</b> ) is used, then it opens the remote GitHub hosted raw PDF instead. If the <b>pel-flip-help-pdf-arg</b> user-option is set it's the other way around.
	<b>&lt;f12&gt; &lt;f1&gt;</b>		
<b>Customize RPM Support</b> See also:  <a href="#">Customize</a>	<b>&lt;f11&gt; SPC M-R &lt;f2&gt;</b>	<b>(pel-rpm-customize-pel &amp;optional OTHER-WINDOW)</b>	Customize PEL rpm support. Use it to activate/de-activate various grep tools. <ul style="list-style-type: none"><li>• If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in other window.</li></ul>
	<b>&lt;f12&gt; &lt;f2&gt;</b>		
<b>Editing .rpm files</b>	 Requires the <a href="#">archive-rpm</a> external package,  activated by <b>pel-use-archive-rpm</b> user-option set to <b>t</b> .		
<b>Help - summary of available commands</b>	<ul style="list-style-type: none"><li>• <b>?</b></li><li>• <b>h</b></li><li>• <b>C-h m</b></li><li>• <b>&lt;f1&gt; m</b></li><li>• <b>&lt;f11&gt; ? k m</b></li></ul>	<b>(describe-mode &amp;optional BUFFER)</b>	Display documentation of current major mode and minor modes.
<b>Mark file for later command</b>	<b>m</b>	<b>(archive-mark P)</b>	In archive mode, mark this member for group operations. <ul style="list-style-type: none"><li>• With a prefix argument, mark that many members.</li><li>• Use <b>M-x archive-unmark-all-files</b> to remove all marks.</li></ul>
<b>Unmark file</b>	<b>u</b>	<b>(archive-unflag P)</b>	In archive mode, un-mark this member if it is marked to be deleted. <ul style="list-style-type: none"><li>• With a prefix argument, un-mark that many files forward.</li></ul>
	<b>a</b>	<b>(archive-alternate-display)</b>	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.
<b>View current file</b>	<b>v</b>	<b>(archive-view)</b>	View the file of the current line. No change allowed.
<b>Open current file</b>	<ul style="list-style-type: none"><li>• <b>e</b></li><li>• <b>f</b></li><li>• <b>RET</b></li></ul>	<b>(archive-extract &amp;optional OTHER-WINDOW-P EVENT)</b>	Extract this entry of the archive into its own buffer. <ul style="list-style-type: none"><li>• Modifications are allowed <b>but</b> saving them does not work. </li></ul>
<b>Open current file in other window</b>	<ul style="list-style-type: none"><li>• <b>E</b></li><li>• <b>o</b></li></ul>	<b>(archive-extract-other-window)</b>	In archive mode, find (open) this file member in another window.
<b>Copy file(s) to specified directory</b>	<b>C</b>	<b>(archive-copy-file FILES NEW-NAME)</b>	Copy FILES to a location specified by NEW-NAME. <ul style="list-style-type: none"><li>• Copy current file, prompting for destination.</li><li>• If several files are marked, copy them all to the destination directory.</li></ul>
<b>Change group for marked files</b> 	<b>G</b>	<b>(archive-chgrp-entry NEW-GID)</b>	Change the group of all marked or this member.  this does not seem to work.
<b>Change mode</b> 	<b>M</b>	<b>(archive-chmod-entry NEW-MODE)</b>	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.
<b>Change owner</b> 	<b>O</b>	<b>(archive-chown-entry NEW-UID)</b>	Change the owner of all marked or this member.  this does not seem to work.
<b>Mark file for deletion</b>	<ul style="list-style-type: none"><li>• <b>d</b></li><li>• <b>C-d</b></li></ul>	<b>(archive-flag-deleted P &amp;optional TYPE)</b>	In archive mode, mark this member to be deleted from the archive. <ul style="list-style-type: none"><li>• With a prefix argument, mark that many files.</li></ul>
<b>Delete all files marked for deletion</b>	<b>x</b>	<b>(archive-expunge)</b>	After prompting for confirmation, delete all files marked for deletion.
<b>Navigate in RPM-Archive buffer</b>	The following commands select a new file line in the buffer.		
<b>Move down one line</b>	<ul style="list-style-type: none"><li>• <b>SPC</b></li><li>• <b>n</b></li><li>• <b>C-n</b></li><li>• <b>&lt;Down&gt;</b></li></ul>	<b>(archive-next-line P)</b>	Down one line. <ul style="list-style-type: none"><li>• With numeric prefix argument, move down that many lines.</li></ul>
<b>Move up one line</b>	<ul style="list-style-type: none"><li>• <b>S-SPC</b></li><li>• <b>p</b></li><li>• <b>C-p</b></li><li>• <b>&lt;Up&gt;</b></li></ul>	<b>(archive-previous-line P)</b>	Up one line. <ul style="list-style-type: none"><li>• With numeric prefix argument, move up that many lines.</li></ul>
<b>Move to beginning of buffer</b>	<ul style="list-style-type: none"><li>• <b>&lt;</b></li><li>• <b>M-&lt;</b></li></ul>	<b>(beginning-of-buffer &amp;optional ARG)</b>	Move point to the beginning of buffer.
<b>Move to end of buffer</b>	<ul style="list-style-type: none"><li>• <b>&gt;</b></li><li>• <b>M-&gt;</b></li></ul>	<b>(end-of-buffer &amp;optional ARG)</b>	Move point to the end of buffer.
<b>Refresh buffer</b>	<b>g</b>	<b>(revert-buffer &amp;optional IGNORE-AUTO NOCONFIRM PRESERVE-MODES)</b>	Refresh buffer.
<b>Quit</b>	<b>q</b>	<b>(quit-window &amp;optional KILL WINDOW)</b>	Quit Rpm-Archive and bury the window.

Description	Keystroke	Function	Note
<b>Editing RPM .spec files</b> <ul style="list-style-type: none"> <li><a href="#">RPM Spec File Format</a></li> <li><a href="#">RPM Packaging Guide</a></li> <li><a href="#">RPM Spec File @ Red Hat</a></li> </ul>	<div>  Requires the <a href="#">rpm-spec-mode</a> external package,  activated by <a href="#">pel-use-rpm-spec-mode</a> user-option set to <a href="#">t</a>.         </div> <div>  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.         </div>		
Open this PDF file. See also: <a href="#">🔗 Help/Info</a>	<f12> <f1>	( <a href="#">pel-rpm-help</a> &optional OPEN-WEB-PAGE)	Open the <b>M Rpm</b> local PDF. If the prefix argument (like <b>C-u</b> or <b>M--</b> ) is used, then it opens the remote GitHub hosted raw PDF instead. If the <b>pel-flip-help-pdf-arg</b> user-option is set it's the other way around.
Customize RPM Support See also: <a href="#">🔗 Customize</a>	<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. <ul style="list-style-type: none"> <li>If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in other window.</li> </ul>
	<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. <ul style="list-style-type: none"> <li>When active: Add "%attr" entry for file listings.</li> </ul>
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. <ul style="list-style-type: none"> <li>When on: remove the build tree after the packages are made.</li> </ul>
Toggle verifying build dependencies	C-c C-x d	(rpm-toggle-nodeps &optional ARG)	Toggle 'rpm-spec-nodeps' user-option. <ul style="list-style-type: none"> <li>When off: verify build dependencies.</li> </ul>
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. <ul style="list-style-type: none"> <li>When on: embed a GPG signature in the package.</li> </ul>
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. <ul style="list-style-type: none"> <li>When on: do not execute any build stages. Useful for testing out spec files.</li> </ul>
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. <ul style="list-style-type: none"> <li>When on: remove the source and spec file after the packages are made.</li> </ul>
Toggle quiet mode	C-c C-x q	(rpm-toggle-quiet &optional ARG)	Toggle 'rpm-spec-quiet' user-option. <ul style="list-style-type: none"> <li>When on: print as little as possible (normally only errors).</li> </ul>
Toggle short circuit	C-c C-x s	(rpm-toggle-short-circuit &optional ARG)	Toggle 'rpm-spec-short-circuit' user-option. <ul style="list-style-type: none"> <li>When on: Skip straight to specified stage. (ie, skip all stages leading up to the specified stage). Only valid in "%build" and "%install" stage.</li> </ul>
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 <b>%{prefix}</b> 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. <ul style="list-style-type: none"> <li>Uses PEL supplied <a href="#">awk filter</a> <a href="#">POSIX shell script</a> to format rpmlint output.</li> </ul>
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. <ul style="list-style-type: none"> <li>Prompt for command line with <b>rpmbuild -ba</b> as default, supporting history.</li> <li>Create the ~/rpmbuild directory tree if needed.</li> </ul>
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	<ul style="list-style-type: none"><li>RPM Spec File Format</li><li>RPM Packaging Guide</li><li>RPM Spec File @ Red Hat</li></ul>
HOWTO	
Download RPM files with dnf (without installing them)	<ul style="list-style-type: none"><li>dnf download &lt;RPM&gt;<ul style="list-style-type: none"><li>Use this to download and inspect the content of a specific RPM file.</li></ul></li></ul>
Install a rpm from a local file	rpm -i <RPM FILE>
List all installed RPM	rpm -qa
List files installed by a RPM	rpm -ql <RPM> <ul style="list-style-type: none"><li>Example: listing all directories created by all perl RPMs: rpm -qa   grep -i perl   xargs -l \$ rpm -ql \$   xargs -l \$ dirname \$   sort   uniq</li></ul>
Get information about a specific RPM	rpm -qi <RPM>