File Management

<u>Operation</u>	<u>Keystroke</u>	Function	- <u>Note</u>
File Management See also:	Emacs provides a large set of commands to open files (Emacs documentation uses the term "finding" files for that), saving files searching for files or file content, displaying directory content, etc These are listed in this table. • The directory editing (dired) commands are mainly listed in the <u>M Dired</u> table. • There are also several Emacs internal and external packages that provide useful commands. PEL supports several of them, and activates them via customize user option variables. They are listed below. Use Emacs customize system to modify their values to activate, deactivate and modify the behaviour of these packages. PEL provides the <f11> <1> f key binding to quickly gain access to the appropriate customize group where you can change their values. Once you have modified the values, save them and then either execute M-x pel-init or restart Emacs.</f11>		
Open this PDF file. See also: <u>▼ Help/Info</u>	<f11> f <f1> 1</f1></f11>	(pel-help-pdf &optional OPEN- WEB-PAGE)	Open the local copy of the <u>\rightarrow File-mngt</u> PDF file unless a command prefix (like C-u) was used. In that case it opens the Github-hosted file instead.
PEL File/Directory Management See also: <u>Customize</u>	<f11> f <f2> 1</f2></f11>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL support for file management. • If OTHER-WINDOW is non-nil (use C-u), display in other window.
Customize Emacs support for file management	<f11> f <f3> 1</f3></f11>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs support for file management.
Customize Emacs support for file revert	<f11> f r <f3></f3></f11>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs support for file automatic revert management.
Customize ffap (find file at point)	<f11> f a <f3></f3></f11>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs support for management of ffap (find file at point).
Opening file	The following commands are available to open/visit files in Emacs buffers. For some of them the corresponding ido mode function is also shown. Note: Emacs uses the word "visiting" instead of "opening" files. The command used to 'visit' a file, find-file is Emacs default. It supports Emacs' basic tab completion. Packages that support other completion mechanisms can be installed and activated and then the command uses a different completion mechanism. PEL customization system allows you to specify whether you want to use one or several other completion mechanisms. It also has a command to change the completion mechanism dynamically. You can change it without restarting Emacs or event re-executing pel-init. See the Customize table for more info.		
Open (visit) a file/directory See also: • ∑M Dired • ∑ Customize	C-x C-f	(find-file FILENAME &optional WILDCARDS) — — — — — — (ido-find-file)	Prompt for the file or directory name to open. Open the selected file/directory in a buffer with the appropriate mode. For directory, the buffer opens in Dired-mode. This can be replaced by the ido-mode by the ido-find-file: it provides suggestions. When ido mode is used, you can also: Type C-x f to change to original find-file Type C-j to accept the file/directory name verbatim without replacement or suggestion. Note: it is also possible to change the read-only state of a buffer with C-x C-q. So you can open a file with C-x C-f and then change the buffer to read-only mode. PEL supports several completion modes can all be activated and dynamically selected. See the Customize table for more info.
Open recently opened files, listed with Ido	<f11> f f</f11>	(ido-recentf-open)	Open file. Prompt suggests recently opened files wit Ido-style completion. • Type <tab> to get possible expansions listed in a separate buffer. Available only when both pel-use-ido and pel-use-recentf are set to t. Credits: Mickey Petersen recentf article.</tab>
Open recently opened files, listed with Counsel	<f11> f R</f11>	(counsel-recentf)	 List files recently opened in a counsel buffer. The list of recently opened files are listed in a Counsel buffer. Select one and type return to open. Type C-c C-o to copy the list of files inside a special buffer. Requires Ivy mode completion with Counsel mode and recentf activated: set peluse-counsel and pel-use-recentf to t
Open currently file visited in current buffer with the default OS application. See also: Moderate Visited Property of the visited visited Property of the visited Property of	<f11> f F</f11>	(pel-open-in-os-app &optional FNAME)	Open the file with the OS-registered application. ●
Open file using OS file- open dialog	%-o	(ns-open-file-using-panel)	
Open another file in buffer	C-x C-v	(find-alternate-file FILENAME &optional WILDCARDS) (ido-find-alternate-file)	Kills buffer and open the newly specified file in a new buffer same window. When ido-mode is used, the ido-find-alternate-file is used instead. Useful when just selected an empty file just selected by mistake.
Open file in other window	• C-x 4 f • <f11> f o</f11>	(find-file-other-window FILENAME &optional WILDCARDS) (ido-find-file-other- window)	Edit file FILENAME, in another window. Like C-x C-f, but creates a new window or reuses an existing one.
Open file in other frame	C-x 5 f	(find-file-other-frame FILENAME & optional WILDCARDS) (ido-find-file-other-frame)	Edit file FILENAME, in another frame. Like C-x C-f, but creates a new frame or reuses an existing one.
Open a file in read-only mode	С-х С-г	(find-file-read-only FILENAME & optional WILDCARDS) (ido-find-file-read-only)	Edit file FILENAME but don't allow changes. Like C-x C-f, but marks buffer as read-only. Use C-x C-q to permit editing.
Open file in other window in read-only mode	• C-x 4 r • <f11> f 0</f11>	(find-file-read-only-other-window FILENAME & optional WILDCARDS) (ido-find-file-read-only-other-window)	(find-file-read-only-other-window FILENAME &optional WILDCARDS) Edit file FILENAME in another window but don't allow changes. Like C-x 4 C-f, but marks buffer as read-only. Use C-x C-q to permit editing.
Open a file in hexl-mode	<f11> f M-x</f11>	(hexl-find-file FILENAME)	Edit file FILENAME as a binary file in hex dump format. • Switch to a buffer visiting file FILENAME, creating one if none exists, and edit the file in
See also: <u>Seuffers</u> Open filename at point in a	• <f11> f /</f11>	(pel-browse-filename-at-	'hexl-mode'. Open the file name at point inside the system's browser.
Open mename at point in a browser See also: • <u>∑ Key-Chords</u> • <u>∑ Web</u>	• (111) i /	point)	 If point is at a directory name, open the systems application that browses directories (eg. macOS Finder, Windows Explorer). This is the same as using pel-open-at-point with the argument N set to 9. It is easier to type and PEL assigns its own key-chord for it.

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>
Open URL at point in a browser	• <f11> f M-/ • 7u</f11>	(browse-url-at-point &optional ARG)	Ask a WWW browser to load the URL at or before point. • Variable 'browse-url-browser-function' says which browser to use.
See also: •	• <u>/u</u>	7.113)	Optional prefix argument ARG non-nil inverts the value of the option 'browse-url-new-window-flad'.
• ∑ Web • ∑ Customize			$\stackrel{\text{d}}{\circ}$ PEL provides the <f11> <f2> M-g u key sequence to open the browse-url group that contains relevant the user options.</f2></f11>
Open file or web-page whose name is at point	• C-^ • <f11> f . • 6y</f11>	(pel-open-at-point & optional N)	Open the file, library or the URL, named at point, with potential line & column #s. With PEL, the <u>6y</u> key-chord is available if pel-use-key-chord is non-nil.
**	_	 Gommand prefixes are supported with the key-chord. See ∑ Key-Chords. If point is on a reStructuredText link in a rst-mode buffer, open the link target (that might be a local file or a URL on remot 	
See also: • <u>▼ Key-Chords</u> • <u>M reStructuredText</u>		site. In the latter case the pag • If embedded space(s) are allow delimiter character can be any	ye is opened in the systems' browser). Wed in the filename, then point must be located at the first of the 2 delimiter characters. These Y of the following: "`' ()[]{}<>''" 「」 〔) 〈〉 《》 〔] 〖〗 «»‹›�() 〖〗 ·。
		《》【】〖〗 «» ‹ › ◆) 《 • Tab and newline are also de	elimiter characters.
		 If embedded space in the file name is not allowed, then the file name must also be enclosed in the above delimiters, the space acts as an extra delimiter, and point can be positioned anywhere between the delimiters. If the string identifies a URL, the function opens the page in the default browser. Prompts for incomplete file names, allowing editing the find file (with completion), search for libraries files (type 1) according to 	
		current file type.	Emacs Lisp files. Planning to support other programming languages with and without project
		Without argument: If file is already opened in a	window, move point to that window and to the line column coordinates if specified following the
		1	select the target window based on the number of editable windows in frame: if 1, split that indow, if 2: use the other window, if 3 or more, use the current window.
		 N = 0: use the 'other' (the n N = 1,3,7or above (excluding) 	ext) window
		window, if 2: use the oth N is: 8: up, 2: down, 4:left,	er window, if 3 or more, use the current window.
		directory browsing (eg. mac N is 10: open the URL at po	OS Finder, Windows Explorer).
		If the file name is followed by	line and column numbers the point is moved to that position. uffer in sh-mode, the '=' and ':' characters are used as additional delimiters. Also shell variables ed.
Activating URLs	active use C-c RET or		g-mode that turn URLs found in the current buffer into clickable buttons. Once the mode is If the URL is an email address a buffer to write an email to that address opens. If the URL is an open the address.
Toggle goto-addr-mode	<f11> f u</f11>	(goto-address-mode &optional ARG)	Minor mode to buttonize URLs and e-mail addresses in the current buffer. With a prefix argument ARG, enable the mode if ARG is positive, and disable it otherwise.
Toggle goto-addr-prog- mode	<f11> f U</f11>	(goto-address-prog-mode &optional ARG)	Like 'goto-address-mode', but only for comments and strings.
Open the URL (email or web page)	C-c RET	(goto-address-at-point &optional EVENT)	Send to the e-mail address or load the URL at point. Send mail to address at point: Find e-mail address around or before point. Then search backwards to beginning of line for the start of an e-mail address. If no email address is found there, then load the URL at or before point.
ffap commands	numbers, does not suphowever support other	pport identifying a window with co r facilities and can be installed to r	The ffap command is similar to pel-find-file-at-point-in-window but does not support line and mmand arguments and is not designed to support multiple programming languages. It does eplace the behaviour of standard file management command bindings such as C-x C-f. e pel-use-ffap user option is set to either t or to ffap-bindings. In both cases these activate
	the key bindings show • When pel-use-ffap and dired command	n below. is set to ffap-bindings, then PEL a	also activates the standard ffap bindings which take over the behaviour of the main file finding m are no longer available for these commands.
Find file/URL at point	<f11> f a p</f11>	(ffap &optional FILENAME)	Find FILENAME, guessing a default from text around point. • If 'ffap-url-regexp' is not nil, the FILENAME may also be an URL. • With a prefix, this command behaves exactly like 'ffap-file-finder'. • If 'ffap-require-prefix' is set, the prefix meaning is reversed. • See also the variables 'ffap-dired-wildcards', 'ffap-newfile-prompt', 'ffap-url-unwrap-local',
Find file/URL at point - read only	<f11> f a P</f11>	(ffap-read-only)	'ffap-url-unwrap-remote', and the functions ffap-file-at-point' and 'ffap-url-at-point'. Like 'ffap', but mark buffer as read-only.
Find another file/URL at point in window	<f11> f a v</f11>	(ffap-alternate-file)	Like 'ffap' and 'find-alternate-file': kills current buffer and open new file in the same window.
Find file/URL in other window	<f11> f a w</f11>	(ffap-other-window)	Like 'ffap', but put buffer in another window.
Find file/URL in other frame	<f11> f a f</f11>	(ffap-other-frame)	Like 'ffap', but put buffer in another frame.
Find file/URL in other window - read only	<f11> f a W</f11>	(ffap-read-only-other- window)	Like 'ffap', but put buffer in another window and mark as read-only.
Find file/URL in other frame - read only	<f11> f a F</f11>	(ffap-read-only-other-frame)	Like 'ffap', but put buffer in another frame and mark as read-only.
Start Dired with file at point	<f11> f a d</f11>	(dired-at-point &optional FILENAME)	Start Dired, defaulting to file at point. See 'ffap'.
Start Dired with file at point in other window	<f11> f a D</f11>	(ffap-dired-other-window)	Like 'dired-at-point', but put buffer in another window.
Start Dired with file at point in other frame	<f11> f a M-d</f11>	(ffap-dired-other-frame)	Like 'dired-at-point', but put buffer in another frame.
List directory of file at point	<f11> f a l</f11>	(ffap-list-directory)	Like 'dired-at-point' and 'list-directory'.

File Lock Protection Protection Protect	<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>
Project bett of another Project by the content position Project by t		<f11> f a m</f11>		 Then set mark, jump to choice, and try to fetch it. The menu is cached in 'ffap-menu-alist', and rebuilt by 'ffap-menu-rescan'. The optional RESCAN argument (a prefix, interactively) forces a rebuild. Searches with 'ffap-
The state flower flow	File Lock Protection	If you attempt to edit the You can: • steal the lock (with 's proceed ('p') to edit	ne buffer of a locked file, Emacs was'),	
call f 2		The following comman	ds can be used to insert text from	n other files at point in the current buffer.
Ser mask after the more test state Section	Insert file at point	· ·		
Specified file Vitile resident between the file Vitile resident between the file Vitile resident between the file Vitile resident between the file Vitile resident file Vitile resident file Vitile resident file <	Insert file literally at point	<f11> f I</f11>	(insert-file-literally FILENAME)	!
Prompts for the specified file. Visit Concentration Visit Vi		The following comman	ds can be used to write text sele	cted from current buffer into specified file.
PILENAME PILENAME Pilenames FILENAME Pilenames FILENAME Pilenames Filenames Filena	Write region text to file	<f11> f w</f11>	FILENAME & optional APPEND VISIT LOCKNAME	
MODE	Append region text to file	<f11> f W</f11>		
Presenting Files Interface content changed on the cities and you want to setting that file, you need to "report the file."	Set file mode	<f11> f m</f11>		Only the 12 low bits of MODE are used.
See also Diff & Merge	Reverting Files	If the file's content changed on the disk and you want to refresh the Emacs buffer visiting that file, you need to "revert" the file. • If you want to use Emacs to monitor the content of a file that is continuously modified by an external process (like a log file) set the <i>revert-without-query</i> variable to a list of regular expressions describing the field it'll apply to.		
ARG) With a perfix argument ARG, enable Auto-Revert Mode is a minor mode that affects only the current buffer. When enabled, it reverts the buffer when the file of disk changes. • Auto-Revert Mode is a minor mode that affects only the current buffer. When enabled, it reverts the buffer is reverted, a message is generated. This can be suppressed by setting auto-revert-reversion from the file grows. • When a buffer is reverted, a message is generated. This can be suppressed by setting auto-revert when the file grows. • When a buffer is reverted, a message is generated. This can be suppressed by setting auto-revert when the file grows. • When a value of a word is a minor mode that affects only the current buffer. • When a value of a word is a minor mode and is a minor mode and in the file grows on disk (presumably otherwise). • When a value of a word is a periodical to the file of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed, as with the shell command 'fail of the file is constantly followed. • Special of the file is a supplicable of the file is constantly followed. • File and the shell of the file is a supplicable of the file is constantly followed. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If such a time is active, cancel it. • If s			IGNORE-AUTO NOCONFIRM	 This undoes all changes since the file was visited or saved. With a prefix argument, offer to revert from latest auto-save file, if that is more recent than the visited file. This is also the command to use to reload a file that was modified on the file system. You can use ediff-current-file to see the difference between the buffer and its disk file.
with a prefix argument ARG, enable Auto-Revert Tail Mode if ARG is positive, and disable it otherwise. When Auto-Revert Tail Mode is enabled, the tail of the file is constantly followed, as with the shell command 'tail-1'. This means that whenever the file grows on disk (preumably because some background process is appending to it from time to time), this is reflected in the current buffer. **You can edit the buffer and turn this mode off and on again as you please. But make sure the background process has stopped writing before you save the file! **Cancel/restart auto-revert** **If such a time is active, cancel it.* **Start and revert-interval' (which is normally 5 seconds by default). **If such a time is active, cancel it.* **Starting the time ensures that Auto-Revert Mode will use an up-to-date value of 'auto-revert-interval' (which is normally 5 seconds by default). **If such a time is active, cancel it.* **Starting the time ensures that Auto-Revert Mode will use an up-to-date value of 'auto-revert-interval' which is normally 5 seconds by default). **If such a time is active, cancel it.* **Starting the time ensures that Auto-Revert Mode will use an up-to-date value of 'auto-revert-interval' when auto-revert-set-timer is a thin wrapper over auto-revert-set-timer is executed. **Saving Files** **Saving Files** **Save file to disk** **C-x C-s** **Save all so the following commands to save the content of a buffer to a filesystem file. **Save current buffer is not already in auto-revert-mode. It also displays the value of auto-revert-set-timer is executed. **Save current buffer to a ssociated file. By default, it makes the previous version into a backup file file if previously requested or if this is the first save. **With C-u-u-marks this version to become a backup when the next save is done. **With C-u-u-marks this version to become a backup file with the save of the pr	Toggle auto-revert mode	<f11> f r a</f11>		With a prefix argument ARG, enable Auto-Revert Mode if ARG is positive, and disable it otherwise. • Auto-Revert Mode is a minor mode that affects only the current buffer. When enabled, it reverts the buffer when the file on disk changes. • When a buffer is reverted, a message is generated. This can be suppressed by setting
		<f11> f r t</f11>		 With a prefix argument ARG, enable Auto-Revert Tail Mode if ARG is positive, and disable it otherwise. When Auto-Revert Tail Mode is enabled, the tail of the file is constantly followed, as with the shell command 'tail -f'. This means that whenever the file grows on disk (presumably because some background process is appending to it from time to time), this is reflected in the current buffer. You can edit the buffer and turn this mode off and on again as you please. But make sure
Save file to disk * C-x C-s * %-s * Save current buffer to associated file. By default, it makes the previous version into a backup file if previously requested or if this is the first save. * With C-u: marks this version to become a backup when the next save is done * With C-u: marks this version to become a backup when the next save is done, and makes the previous version into a backup file. * With prefix 0: never make the previous version into a backup file. * With prefix 0: never make the previous version into a backup file. * With prefix 0: never make the previous version into a backup file. * With prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix 0: never make the previous version into a backup file. * Write prefix		<f11> f r SPC</f11>	(pel-auto-revert-set-timer)	 If such a timer is active, cancel it. Start a new timer if Global Auto-Revert Mode is active or if Auto-Revert Mode is active in some buffer. Restarting the timer ensures that Auto-Revert Mode will use an up-to-date value of 'auto-revert-interval' (which is normally 5 seconds by default). : pel-auto-revert-set-timer is a thin wrapper over auto-revert-set-timer that displays a warning if executed when the buffer is not already in auto-revert-mode. It also displays the
Save all/some files C-x s Save-some-buffers & optional ARG PRED	Saving Files	Use the following com	mands to save the content of a bu	uffer to a filesystem file.
ARG PRED) • y : save • n : don't save • C-r : look at the buffer in question • d : view differences with diff-buffer-with-file Write buffer to specified file • c-x C-w • (write-file FILENAME & optional CONFIRM) • (ido-write-file) Changed current buffer changed state • (not-modified & optional ARG) Mark current buffer as unmodified, not needing to be saved. • With C-u prefix ARG, mark buffer as modified, so C-x C-s will save.	Save file to disk		(save-buffer &optional ARG)	file if previously requested or if this is the first save. With C-u: marks this version to become a backup when the next save is done With C-u C-u: makes the previous version into a backup file With C-u C-u: marks this version to become a backup when the next save is done, and makes the previous version into a backup file. With prefix 0: never make the previous version into a backup file.
&optional CONFIRM) • (ido-write-file) • Can also be yanked in the mini buffer, use M−n to edit it. • Use that command to rename the file. Changed current buffer changed state M−− (not-modified &optional ARG) with C−u prefix ARG, mark buffer as modified, so C−x C−s will save.	Save all/some files	C-x s		 y : save n : don't save C-r : look at the buffer in question
changed state • With C-u prefix ARG, mark buffer as modified, so C-x C-s will save.	Write buffer to specified file	C-x C-w	&optional CONFIRM)	Can also be yanked in the mini buffer, use M-n to edit it.
^		M-~	(not-modified &optional ARG)	, ,

<u>Operation</u>	<u>Keystroke</u>	Function	Note
Automatic File Time Stamp Update file time stamp See also: ∑ Inserting Text	Emacs has a built-in automatic time-stamping of files. It must be activated by adding the time-stamp function to the before-save-hook variable. This can either be done via Emacs customization system or explicitly inside your init file with the following code: (add-hook 'before-save-hook 'time-stamp) The time stamp will be added to files that contain, inside their first 8 lines, a line that looks like one of the following: Time-stamp: " The format of the time stamp is controlled by several variables: time-stamp-format specifies the format of the time stamp. Something like "%:y-%02m-%02d %02H:%02M:%02S %u" to specify the date and time in ISO format, with the user login's name. time-stamp-time-zone specifies the time zone selection: nil: Emacs local time t: Universal time wall: system wall clock time tiz Controlled by a TZ environment variable These variables can be set in your init file or via the Emacs customization system. A To be automatically updated, the time-stamp string must be placed within the first 8 lines of the file. To insert a non-updatable time stamp, the PEL package provides a set of text insert commands which include inserting a time stamp. See the Inserting Text table for the appropriate commands. **Force update the time stamp string(s) in the current buffer. The time stamp is updated if the one of the following strings is found in the first 8 lines of the		
			Time-stamp: <> Time-stamp: " " If you want time stamps updated automatically, write the following inside your init.el file: (add-hook 'before-save-hook 'time-stamp)
Toggle time stamp automatic update		(time-stamp-toggle-active & optional ARG)	Toggle 'time-stamp-active', setting whether <f11> f t updates a buffer. • With ARG, turn time stamping on if and only if arg is positive.</f11>
Inserting & Automatically Updating Copyrights	Emacs has built-in support for insertion and update of copyright notices inside files. • Two commands, shown below, are provided to manually insert or update the file's copyright notice. • The copyright notice can be automatically updated by adding the copyright-update function to the list of before-save-hook variable with the following code: (add-hook 'before-save-hook 'copyright-update) • To be automatically updated, the copyright notice must be placed within an area at the beginning of the file specified by the value of the copyright-limit variable, normally defined as the first 2000 characters. This variable is customizable.		
Insert copyright notice at point See also: ∑ Inserting Text	<f11> i C</f11>	(copyright &optional STR ARG)	Insert a copyright by \$ORGANIZATION notice at cursor. • If the ORGANIZATION environment variable is not available, Emacs prompts for it.
Update file's copyright notice		(copyright-update &optional ARG INTERACTIVEP)	Update copyright notice to indicate the current year. • With prefix ARG, replace the years in the notice rather than adding the current year after them. If necessary, and 'copyright-current-gpl-version' is set, any copying permissions following the copyright are updated as well. • If non-nil, INTERACTIVEP tells the function to behave as when it's called interactively. • Even when used interactively copyright-update does not warn if there is no copyright in the current buffer to update. It does not create a missing notice. • If you want to be prompted automatically to update an existing but out-of-date copyright notice, write the following inside your init.el file: (add-hook 'before-save-hook 'copyright-update)
Directory Tree Browsers	Emacs supports mechanisms to browse file directories. This includes: • Emacs built-in <u>N Dired</u> directory editor, along with several extensions. You can have several different Dired buffers in an Emacs session. • The Emacs built-in <u>S Speedbar</u> and its extensions. There can only be one instance of a Speedbar buffer and that can be inside another frame. • Several other external packages: Neotree , treemacs and Ztree		
View Directory Tree with NeoTree	The NeoTree external package provides a Vim-NerdTree like tree-view of a directory with expansion/collapse. PEL activates it when pel-use-neotree is set to t. <f11> B N <f2> opens the PEL customization group to set pel-use-neotree. <f11> B N <f3> prompts, select neotree to open the neotree customization group. There is only one NeoTree window. It is a dedicated window. lons used in the tree can be changed: In text mode set pel-neotree-font-in-terminal to arrows to use arrows instead of '+'. In graphics mode, if pel-neotree-font-in-graphics is set to icons then the icons provided by all-the-icons package is used. However, once PEL has installed the package it does not install the fonts. You must install the fonts manually by executing: M-x all-the-icons-install-fonts</f3></f11></f2></f11>		
View directory tree with	<f11> B N N</f11>	(neotree-toggle)	Toggle show/hide the NeoTree window.
NeoTree		In the NeoTree buffer the following keys are available: • n next line, p previous line. • > end of buffer, < top buffer • SPC or RET or TAB: Open current item if it is a file, Fold/Unfold current item if it is a directory. • U Go up a directory • g Refresh • A Maximize/Minimize the NeoTree Window • II Toggle display hidden files. Controlled by neo-hidden-regexp-list user option. • O Recursively open a directory • C-c C-n Create a file or create a directory if filename ends with a '/' • C-c C-d Delete a file or a directory. • C-c C-c Change the root directory. • C-c C-p Copy a file or a directory.	
Open NeoTree for dir of current buffer	<f11> B N F</f11>	(neotree-find &optional PATH DEFAULT-PATH)	Open a NeoTree window using the directory of the current buffer. No prompt.
Open NeoTree for specified directory	<f11> B N D</f11>	(neotree-dir PATH)	Prompt for a directory. Open a Neotree window for that directory.
Close NeoTree window	<f11> B N H</f11>	(neotree-hide)	Close the NeoTree window.
Show NeoTree window	<f11> B N S</f11>	(neotree-show)	Show the NeoTree window.

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>
View Directory Tree with ZTree	PEL ztree customiz	ration:	ee-view of a directory with expansion/collapse.
	• 🛂 PEL activat	 opens the PEL customization grades it when pel-use-ztree is set to e following PEL provided customizations 	
	pel-ztree-dir-f	ilter-list : add a list of reger For example, to ig	focus to new entry when <ret> is typed. exp to ignore more file. Do not enter quote for string. gnore the .pyc files, enter ^.*pyc on a line. y filtered files until H is typed. Normally they are not shown until H is typed.</ret>
	• <f11> B <f3></f3></f11>	prompts, select ztree to open the	e ztree customization group itself. g new values to activate the new values.
View directory as tree with ztree-dir	<f11> B Z</f11>	(ztree-dir PATH)	Open an interactive buffer with the directory tree of the PATH given. Opens the tree buffer in the current window. There can be several buffers with different ztree-dir trees.
		In the Ztree Dir buffer the followi >: narrow/display directory or d: Open Dired at point. H: toggle display of filtered fill x: Toggle expand/collapse of	n current line < : widen/display parent directory es. Controlled by regexp in the ztree-dir-filter-list user option.
			rge directory trees it takes a long time. I have see Emacs hang when typing x again during that
Open <u>Dired</u> (Directory Editor)			ffer in Dired mode, that looks like a ls -I output, which allows several operations. If you specify a can also use the following commands to open buffer in Dired mode.
Open a directory editor See also: <u>M Dired</u>	• C-x d • %-D	(dired DIRNAME & optional SWITCHES)	Opens a Dired-mode buffer on the specified directory. Prompt for the directory name. PEL activates ido when the pel-use-ido-mode user option is set to t .
Run Dired in other (next) window	C-x 4 d	(dired-other-window)	Opens a Dired-mode buffer on the specified directory inside another window. Prompt for the directory name.
List Directory	C-x C-d	(list-directory DIRNAME &optional VERBOSE)	Display a list of files in or matching DIRNAME, a la 'ls'. DIRNAME is globbed by the shell if necessary. Prefix arg (C-u) means supply -l switch to 'ls'.
Searching/Finding Files	The following commands can be used to search for file by name or content. Ref: Video: .Emacs #6 : searching and finding files.		
Run grep via find See also: <u>∑ Grep</u>	• <f11> f g • <f11> g f</f11></f11>	(find-grep COMMAND-ARGS)	Run grep via find, with user-specified args COMMAND-ARGS. Collect output in a buffer. While find runs asynchronously, you can use the C-x command to find the text that grep hits refer to. This command uses a special history list for its arguments, so you can easily repeat a find command.
Search for file with locate	<f11> f L</f11>	(locate SEARCH-STRING &optional FILTER ARG)	Prompt for a search pattern and search for filenames using the system locate command line utility through the sell to search a database of all pathnames that match the specified search pattern. The database is recomputed periodically. • The search result is shown in a '*Locate*' buffer. • With prefix arg ARG, prompt for the exact shell command to run instead. This way you can specify options to the locate command line utility. • Use man to get more information on locate (<f11> x m locate)</f11>
Search for files with 'find' and open Dired buffer	<f11> f d</f11>	(find-dired DIR ARGS)	Prompts for the root to search from, and a find command to search for files with the Unix find. • Specify the arguments for the <u>find command</u> . For example, to perform a case insensitive search for all .h files: -iname "*\.h" for all .h files. • Opens a Dired-mode buffer and show the files found in there.
Search directory for files and open Dired buffer for those	<f11> f n</f11>	(find-name-dired DIR PATTERN)	Search DIR recursively for files matching the globbing pattern PATTERN, and run Dired on those files. PATTERN is a shell wildcard (not an Emacs regexp) and need not be quoted. The default command run (after changing into DIR) is:
Find files in a directory and	<f11> f h</f11>	(find-grep-dired DIR REGEXP)	findname 'PATTERN' -Is Find files in DIR that contain matches for REGEXP and start Dired on output.
open Dired output			The command run (after changing into DIR) is: find . \(-type f -exec 'grep-program' 'find-grep-options' -e REGEXP \{ \; \) -ls
			where the first string in the value of the variable 'find-ls-option' specifies what to use in place of "-ls" as the final argument.
Find Emacs Lisp files in directory tree	<f11> f 1</f11>	(find-lisp-find-dired DIR REGEXP)	Find Emacs Lisp files in DIR, matching REGEXP. Open *Find Lisp Dired* buffer on output.

File Management — References

Topic & Link	Description
Emacs Display - Mode Line	Read first. Describes what the Emacs mode line displays.
GNU Emacs Manual - File Handling	Describes how to open and deal with files and directories in Emacs.
GNU EMACS Manual - Interactive Do	Describes the ido-mode, a nice addition that helps with completing file names at prompts.
Display path of file in status bar	In graphics mode, display the buffer name and the full path file in parenthesis inside the frame title bar.
How do I rename an open file in Emacs?	