Windows - Managing and Moving To Other Windows

| O | | ws - Managing | | u 111011 | | | | |
|---|--|---|--|---|---|--|---------------------------------------|--|
| Operation Window | Keystroke Emacs basic window man | Function agement commands are bour | nd to C | -x o. C-x | D, C-x 1, C-x 2 a | Note | • | upport for multiple |
| <u>Operations</u> | Emacs basic window management commands are bound to C-x o, C-x 0, C-x 1, C-x 2 and C-x 3 with some derivatives and support for multiple frames. These basic facilities can be extended by several built-in and external packages: • windmove, built-in, activated by PEL, with different key bindings to preserve ability to shift-mark when moving across text with cursor. • winner, also built-in, which provides the ability to restore previous window pane layouts. ▶ PEL activates it when pel-use-winner user option is t. | | | | | | | |
| See also: • <u>I Customize</u> | • layout-restore per layout user-option set to t. This associates layouts to buffers. | | | | | | | |
| <u>X Key-Chords</u> <u>X Frames</u> | The state of the s | • ace-window, we extend the C-x o command by displaying Ace target in the windows' upper left corner for quick navigation and access to buttons. PEL activates it when pel-use-ace-window user option is t. | | | | | | |
| • Speedbar | key-chord, to activate dual-key chords to move across windows. Windows can be <u>dedicated</u> to specific buffers, for example by <u>Speedbar</u> (see <u>Speedbar</u>). Several windows with the same buffers can operate as a single flow with <u>follow mode</u>. | | | | | | | |
| | PEL provides extra commands and key bindings: It adds several key bindings under the <f11> key prefix. These are available in both graphics and terminal modes. Go n macOS, in graphics mode only, the % key is mapped to the super prefix key (s-). On Windows, the Menu key is mapped to the hyper key. Below the ❖ icon is used to represent the Menu key under Windows.</f11> | | | | | | | |
| | In graphics mode, mouse operations are available. They can also be enabled in terminal mode, with the xterm-mouse-mode enabled. With PEL, use <f11><f12> to toggle the xterm-mouse-mode.</f12></f11> Operations on windows can be applied to windows in other frames, whether Emacs is running in graphics mode or in terminal mode. | | | | n-mouse-mode. | | | |
| Open this PDF file. See also: <u>E Help/Info</u> | <pre>In terminal mode only one fi <f11> w <f1></f1></f11></pre> | ame is visible at a time though (pel-help-pdf &optional OPE WEB-PAGE) | | | GitHub hosted raw F | | |) is used, then it opens user-option is set it's |
| ∑ Customize PEL window control | <f11> w <f2></f2></f11> | (pel-customize-pel &optional OTHER-WINDOW) | al | Customize F | PEL Window suppor | | y in other window. | |
| ∑ Customize Emacs window control | <f11> w <f3></f3></f11> | (pel-customize-library &opt OTHER-WINDOW) | l-customize-library &optional Customize Emacs Window support groups: windows, ace-window, ace-window-display, | | | nside the Emacs | | |
| PEL Window Management Hydra Quickly: Navigate through windows with cursor and numbers Resize window, Fit to buffer content Split window Create side/root windows | To have the Hydra hint off when the Hydra activates set the hydra-is-helpful user option to nil (but then you can still toggle it on/off with ?. You can use several other commands key sequences while the hydra is active. You cannot use non-rebound keys that self-display normally. To cancel the Hydra hit the <f7> key again.</f7> Use the q key to quit from buffers that can be dismissed like the *Help* buffer. It also changes the buffer visible in the normal windows. You can also use b and B to change the buffer currently visible in the current window. The windresize command (describe below) provides an alternative for most of the commands (not all) available in this Hydra. | | | | <f7> prefix again. ith ?. rmally. ey.</f7> | | | |
| Swap windows Flip vertical/ horizontal | command function listed A snapshot of the window n | in the Function column. For e nanagement hydra hint menu s | example shows u | e, pel-∑wnd/v ip in the minib | vindmove-up is bou ouffer area as soon a | und to <f7> <up< th=""><th>>. s pressed:</th><th></th></up<></f7> | >. s pressed: | |
| Change to previous/next layout Close window Display different | Move Resize | M-2: sidew 2: horiz M-4: sidew 3: vert. M-6: sidew 2 | C- <dow< th=""><th>p>: above m>: below tt>: left tt>: right</th><th></th><th>1: all others K: kill buf/win</th><th></th><th><pre><m-down>: scroll up d: un/dedicate</m-down></pre></th></dow<> | p>: above m>: below tt>: left tt>: right | | 1: all others K: kill buf/win | | <pre><m-down>: scroll up d: un/dedicate</m-down></pre> |
| buffer in windowChange window dedication settings | _ | r: root |)>. S | ee <u>Σ Buffers</u> | M-h: flip horiz. | b: next buffer B: prev buffer | C-S- <right>: right q: quit</right> | |
| Change buffer in window | | | | | | | | |
| Move point to other window - C-u: swap - C-u C-u: delete | • C-x o (other-window COUNT &optional ALL-FRAMES) | | Select (move point) to other window. Select another window in cyclic ordering of windows. With prefix argument consider all frames. This is Emacs default behaviour for this key. And PEL's default: pel-use-ace-window = nil. Change it to activate the functionality described in next row. | | | | | |
| Move to other | (ace-window ARG) | | | Move to (and possibly operate on) window selected by an Ace target code. | | | | |
| Move to specified | | | | Requires the <u>ace-window</u> external package. PEL downloads, installs and activates it when the <i>pel-use-ace-window</i> user option is set to t. | | | | |
| window Ace target Operate on | | ne current frame, move to the c display an Ace target in the w | | | <u>corner</u> that identifie | s the window targe | et: | |
| specified window See also: ∑ | 1 ''' | dow number to move to that w wing letters, followed by the ta | | • | | , , , | • | |
| Customize | • m - swap wind | ows | | | | | | |
| Demo: <u>C'est la Z,</u> <u>video 5</u> | • M - move wind • c - copy windo | DW . | | | | | | |
| | • j - select buffe • n - select the | | | | | | | |
| | u - select the previous window u - select buffer in the other window c - split window fairly, either vertically or horizontally | | | | | | | |
| | • v - split windo | w vertically | , | | | | | |
| | b - split window horizontally o - maximize current window show those command hindings | | | | | | | |
| | ? - show these command bindings This supports selecting windows in other frames (both in graphics and terminal mode) In graphics mode the other Emacs frames are in other OS window. | | | | | | | |
| | In text terminal mode, other Emacs frames are hidden (as they occupy the exact same OS window): just one Emacs frame is displayed. An argument can be used to perform more operations: To force a window number prompt, use any negative prefix (including just typing C alone). Useful with several frames when current frame has 1 or 2 | | | | | | | |
| | No locked a window number prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Useful wint several number wind multiple prompt, use any negative prenx (including just typing C= - alone). Prefixed with one C-u, does a swap between the selected window and the current window, so that the selected buffer moves to current window (and current buffer moves to selected window). The PEL <f11> w x key does the same (but does not prompt when there are only 2 windows.)</f11> | | | | | | | |
| | • Prefixed with two C-u | s, deletes the window identifie | ed by th | ne window nu | mber. | | , | • |
| | With ace-window-display-mode user-option on, the window number is shown on the left of the mode-line. Use <f11> <f2> o and type user options name to open the customize buffer to change it. Note that activating this will increase your Emacs init time. You will have to remove the variable from your configuration list to prevent it from having impact. Instead, you can leave the customization unspecified and use the command to activate it when needed. PEL binds ace-window-display-mod <f11> w #</f11></f2></f11> | | | | | | | |
| | | | | | • | | | |

| Operation | <u>Keystroke</u> | Function | <u>Note</u> | |
|--|---|--|---|--|
| Move point to next window can specify all frames | <f11> w o</f11> | (pel-other-window &optional ALL-FRAMES) | Move to other window, like the original other-window. With any prefix argument consider all frames. Without argument move only within current frame. Useful when 'other-window' has been remapped to something like 'ace-window' and wan | |
| | | | to see where the <i>next</i> window is. | |
| Move point to previous window can specify all frames | <f11> w 0</f11> | (pel-other-window-backward &optional N) | Select Nth previous window. • n defaults to 1: meaning direct previous window. • with negative n: move as (abs n) but consider all frames. If n is positive consider only current frame. • This is the inverse of what does the standard (other-window). • This command might be useful when ace-window is not used. | |
| Esc-cursor keys for windmove | with some other bindings, for PEL provides the following pel-windmove-on-esc-cut. This affects the behavious Several Linux dis | or example in Org-mode these keys cong user options to control the key bin ursor controls the <esc> bindings, it is of the <esc> cursor key bindings it tros map C-M- bindings such as C-I</esc></esc> | ursor key bindings described below. In some circumstances, these key bindings can conflict an be translated to Meta-cursor keys that are bound to Org-mode operations. Idings: is on by default on macOS and Windows, but off on Linux. in org buffer as well to ensure a regular navigation across all buffers. M- <right> and C-M-<left> If this is not the case for your Linux system, you can activate the Esc C- bindings in replacement for the C-M- bindings you need to access several Emacs</left></right> | |
| | pel-windmove-on-f1-cur | sor controls the <f1> binding, also</f1> | on by default. | |
| Move to window above | <pre> <f11> <up> <f1> <up> <f2> <up> <esc> <up> <esc> <up> *-<up> *-<up> * <f7> <up> </up></f7></up></up></up></esc></up></esc></up></f2></up></f1></up></f11></pre> | (windmove-up &optional ARG) | Select the window above the current one. • With no prefix argument, or with prefix argument equal to zero, "up" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. • With PEL, the <u>yu</u> key-chord is also available when key-chord is available and active. See • Key-Chords. | |
| Move to window below | • <f11> <down> • <f1> <down> • <f1> <down> • <esc> <down> • *-<down> • *-<down> * <f7> <down> • bn</down></f7></down></down></down></esc></down></f1></down></f1></down></f11> | (windmove-down &optional ARG) | Select the window below the current one. • With no prefix argument, or with prefix argument equal to zero, "down" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the bn key-chord is also available when key-chord is available and active. See Key-Chords. | |
| Move to window at left | <pre> <f11> <left> <f1> <down> <esc> <left></left></esc></down></f1></left></f11></pre> | (windmove-left &optional ARG) | Select the window to the left of the current one. • With no prefix argument, or with prefix argument equal to zero, "left" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the gf key-chord is also available when key-chord is available and active. See Key-Chords. | |
| Move to window at right | <pre> <f11> <right> <f1> <right> <f1> <right> <esc> <right> *-<right> *-<right> *-<right> * -<right> * ik</right></right></right></right></right></esc></right></f1></right></f1></right></f11></pre> | (windmove-right &optional ARG) | Select the window to the right of the current one. • With no prefix argument, or with prefix argument equal to zero, "right" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the jk key-chord is also available when key-chord is available and active. See Key-Chords. | |
| Exchange windows | • <f11> w x * <f7> x</f7></f11> | (ace-swap-windows) | Swap buffers of the current window with another. If 3 windows or more, a single digit shows up in the top-left corner identifying the number to type to swap to this window. Requires the <u>ace-window</u> external package. PEL downloads, install and activates it when the <u>pel-use-ace-window</u> user options is set to t. | |
| Toggle display of ace-window # on window mode line See also: ∑ Mode Line | • <f11> w # • <f11> M-1 #</f11></f11> | (ace-window-display-mode &optional ARG) | Toggle the ace-window-display-mode, a minor mode that displays the ace window number of each window inside the left hand side of its mode line. Requires the <u>ace-window</u> external package. PEL use <u>pel-use-ace-window</u> . | |
| Close/Create Windows | The following commands are used to create and remove windows. The last 2 rows correspond to two sets of four PEL commands bound to cursor keys. | | | |
| Close this windows | • C-x 0 * <f7> 0 * <f7> d</f7></f7> | (delete-window &optional WINDOW) | This just closes the window and moves the cursor to the next window. | |
| Kill current buffer and close window See also: E Buffers | • C-x 4 0 * <f7> K</f7> | (kill-buffer-and-window) | Kill the current buffer and delete the selected window. | |
| Close other (next) window | • <f11> w w * <f7> o</f7></f11> | (pel-close-other-window) | Close the other window. Hide its buffer, does not kill it. • Useful to close temporary window, like the help window, without having to mode into it. | |
| Close an other window identified by number | <f11> w k</f11> | (ace-delete-window) | Delete a window selected by a number, a number shown in the top-left corner of the window. • If there's only 2 windows, kills the other window. If only 1 window is used, does not kill it. • Requires the <u>ace-window</u> external package. • PEL downloads, installs and activates it when the <u>pel-use-ace-window</u> user options is set to t. | |
| Close all other windows | • C-x 1 • <f7> 1 • <f7> .</f7></f7> | (delete-other-windows &optional WINDOW) | Make current window fill its frame. | |
| Maximize one window, identified by number | <f11> w m</f11> | (ace-maximize-window) ——————————————————————————————————— | Maximize a window. Close all windows except the window selected by number, a number shown in the top-left corner of the window. Requires the ace-window external package. The old versions used ace-window-maximize, but newer versions use ace-delete-maximize-windows. PEL uses the one that is available. PEL downloads, install and activates it when the pel-use-ace-window user options is set to t. | |
| Create new window below | • C-x 2 * <f7> 2</f7> | (split-window-below & optional SIZE) | Split the selected window into two windows, one above the other. • The selected window is above. The newly split-off window is below and displays the same buffer. ■ Note that Emacs default behaviour attempts to maximize the view into the current buffer when splitting the buffer into 2 windows. This means that the cursor will not be located in the same position in the new window. To change this behaviour and keep the same point in both windows, execute (setq split-window-keep-point nil). The PEL packages does that. | |
| Create new window at right | • C-x 3 * <f7> 3</f7> | (split-window-right &optional SIZE) | Split the selected window into two side-by-side windows. • The selected window is on the left. The newly split-off window is on the right and displays the same buffer. | |

| <u>Operation</u> | <u>Keystroke</u> | Function | <u>Note</u> |
|--|--|--|--|
| Create window at cursor direction | • ESC C- <right> • ESC C-<left> • ESC C-<down> • ESC C-<up> • <f1> C-<right> • <f1> C-<left> • <f1> C-<down> • <f1> C-<down> • <f1> C-<down> • <f1> C-<up> • <f11> C-<right> • <f11> C-<right> • <f11> C-<right> • <f11> C-<right> • <f11> C-<left> • <f11> C-<left> • <f11> C-<left> • <f11> C-<down> • <f10 c-<up=""> * <f7> C-<ight> * <f7> C-<right> * <f7> C-<-cleft> * <f7< th=""><th>(pel-create-window-right) (pel-create-window-left) (pel-create-window-down) (pel-create-window-up)</th><th>Create a window at the location pointed by the cursor's direction, and move point inside the new window. • The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: ⟨right⟩, ⟨left⟩, ⟨down⟩ and ⟨up⟩. • There are 4 possible sets of bindings: • 3 sets of stand-alone commands: • Commands with ⟨f11⟩ prefix, always available. • Commands with ESC prefix, always available when pel-windmove-on-esc-cursor user option is on (set to t). • Commands with ⟨f1⟩ prefix, available when pel-windmove-on-f1-cursor user option is on (set to t). • The Hydra-based commands, with the Hydra activated with any of the key sequences that use the ⟨f7⟩ prefix. Available when pel-use-hydra user option is set to t.</th></f7<></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></right></f7></ight></f7></f10></down></f11></left></f11></left></f11></left></f11></right></f11></right></f11></right></f11></right></f11></up></f1></down></f1></down></f1></down></f1></left></f1></right></f1></up></down></left></right> | (pel-create-window-right) (pel-create-window-left) (pel-create-window-down) (pel-create-window-up) | Create a window at the location pointed by the cursor's direction, and move point inside the new window. • The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: ⟨right⟩, ⟨left⟩, ⟨down⟩ and ⟨up⟩. • There are 4 possible sets of bindings: • 3 sets of stand-alone commands: • Commands with ⟨f11⟩ prefix, always available. • Commands with ESC prefix, always available when pel-windmove-on-esc-cursor user option is on (set to t). • Commands with ⟨f1⟩ prefix, available when pel-windmove-on-f1-cursor user option is on (set to t). • The Hydra-based commands, with the Hydra activated with any of the key sequences that use the ⟨f7⟩ prefix. Available when pel-use-hydra user option is set to t. |
| Close a window at cursor direction | • ESC C-S- <right> • ESC C-S-<left> • ESC C-S-<down> • ESC C-S-<up> • (f1> C-S-<right> • (f1> C-S-<left> • (f1> C-S-<down> • (f1> C-S-<down> • (f1> C-S-<up> • (f11> C-S-<up> • (f11> C-S-<right> • (f11> C-S-<left> • (f11> C-S-<left> • (f11> C-S-<down> • (f11> C-S-<down> • (f11> C-S-<down> • (f11> C-S-<up> * (f1> C-S-<up> * (f1> C-S-<up> * (f1> C-S-<up> * (f1> C-S-<up></up></up></up></up></up></up></up></up></up></up></down></down></down></left></left></right></up></up></down></down></left></right></up></down></left></right> | pel-close-window-right) (pel-close-window-left) (pel-close-window-down) (pel-close-window-up) | Kill window pointed by the cursor's direction. The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: right, <left< a="">, <down< li=""> and <up>.</up> There are 4 possible sets of bindings: 3 sets of stand-alone commands: Commands with <f11> prefix, always available.</f11> Commands with ESC prefix, available when pel-windmove-on-esc-cursor user option is on (set to t). Commands with <f1> prefix, available when pel-windmove-on-f1-cursor user option is on (set to t).</f1> The Hydra-based commands, with the Hydra activated with any of the key sequences that use the <f7> prefix. Available when pel-use-hydra user option is set to t.</f7> </down<></left<> |
| Resize Window Quickly with windresize | | | d (mapped to <f11> w r by PEL). it when pel-use-windresize user-option is set to t.</f11> |
| Resize Window interactively | <f11> w r</f11> | (windresize &optional INCREMENT) | Resize windows interactively using the following minor mode keys. • Use RET or C - g to exit the mode. |
| Resize window using cursors | <pre> <right> <left> <down> <up> </up></down></left></right></pre> | (windresize-right & optional N LEFT-BORDER FIXED-WIDTH) (windresize-left & optional N LEFT-BORDER FIXED-WIDTH) (windresize-down & optional N LEFT-BORDER FIXED-WIDTH) (windresize-up & optional N LEFT-BORDER FIXED-WIDTH) | Resize the current window in the direction of the used cursor. N is the number of lines by which moving borders. |
| Resize windows using direction opposite to cursor | • C- <right> • C-<left> • C-<down> • C-<up></up></down></left></right> | (windresize-right-minus) (windresize-left-minus) (windresize-down-minus) (windresize-up-minus) | Same as the above commands but use the direction opposite to the cursor. |
| Resize window bottom-right | / | (windresize-bottom-right) | Call 'windresize-right' and 'windresize-down' successively. In move-borders method, move the bottom-right edge of the window outwards. In resize-window method, enlarge the window horizontally and shrink it vertically. |
| Resize window top- right | \ | (windresize-up-right) | Call 'windresize-right' and 'windresize-up' successively. In move-borders method, move the upper-right edge of the window outwards. In resize-window method, enlarge the window both horizontally and horizontally. |
| Resize window top- left | M-/ | (windresize-up-left) | Call 'windresize-left' and 'windresize-up' successively. In move-borders method, move the upper-left edge of the window outwards. In resize-window method, shrink the window horizontally and enlarge it vertically. |
| Resize window bottom-left | M-\ | (windresize-bottom-left) | Call 'windresize-left' and 'windresize-up' successively. In move-borders method, move the bottom-left edge of the window outwards. In resize-window method, shrink the window both horizontally and vertically. |
| Reposition window | • C-M- <right> • C-M-<left> • C-M-<down> • C-M-<up></up></down></left></right> | (windresize-right-fixed) (windresize-left-fixed) (windresize-down-fixed) (windresize-up-fixed) | Move the window to the direction identified by the cursor, keeping its width (or height) constant. |
| Set window resize/ reposition increment step | i | (windresize-set-increment &optional N) | Set the window resize increment step value to N. Use a numeric argument prefix to set N interactively: For example: M-4 i sets the increment to 4. |
| Increase the resize/ reposition increment step | + | (windresize-increase-increment &optional SILENT) | Increase the increment. • If SILENT is non-nil, don't output a message. |
| Decrease the resize/reposition increment step | - | (windresize-decrease-increment &optional SILENT) | Decrease the increment. • If SILENT is non-nil, don't output a message. |
| Negate resize/ reposition increment | ~ | (windresize-negate-increment &optional SILENT) | Negate the increment value. Changes the direction of window resize operations. • If SILENT is non-nil, don't output a message. |
| Balance Windows | • = • C-x + | (windresize-balance-windows) | Balance window sizes. |
| Delete current window | • 0 • C-x 0 | (delete-window &optional WINDOW) | Delete current window During my testing C-x 0 behaved like windresize-other-window instead. Should investigate. 0 works fine though. |
| Delete other windows | • 1 • C-x 1 | (windresize-delete-other- windows) | Delete other windows. |
| Split window vertically | • 2 • C-x 2 | (windresize-split-window- vertically) | Split window vertically. Creates 2 windows: one on top of the other. |
| Split window horizontally | • 3 • C-x 3 | (windresize-split-window-horizontally) | Split window horizontally. Creates 2 windows side by side. |
| Save window configuration | s | (windresize-save-window-configuration) | Save the current window configuration in the ring. |

| <u>Operation</u> | <u>Keystroke</u> | Function | <u>Note</u> | |
|--|--|--|---|--|
| Restore window configuration | r | (windresize-restore-window-configuration) | Restore the previous window configuration in the ring. | |
| Move point to other adjacent window | • M-S- <right> • M-S-<left> • M-S-<down> • M-S-<up></up></down></left></right> | (windresize-select-right &optional ARG) (windresize-select-left &optional ARG) (windresize-select-down &optional ARG) (windresize-select-up &optional ARG) | Select the window identified by the cursor. If ARG is nil or zero, select the window relatively to the point position. If ARG is positive, select relatively to the top edge and select relatively to the bottom edge otherwise. | |
| Move point to other window | 0 | (windresize-other-window) | Select other window. | |
| Move point to previous window | р | (windresize-previous-window) | Select the previous window. | |
| Move point to next window | n | (windresize-next-window) | Select other window. | |
| Set window layout and exit windresize | • x • RET | (windresize-exit) | Keep this window configuration and exit 'windresize'. | |
| Cancel window layout and exit windresize | • q | (windresize-cancel-and-quit) | Cancel window resizing and quit 'windresize'. Restore window layout used before the entry into windresize mode. The layouts, are, however still available via winner-undo <f11> w p, with PEL.</f11> | |
| Resize Window Using the base Emacs commands | The following commands are used to change the current window size. Except when used inside the hydra, none of these commands are easy to re-type quickly. The best way to use them is to type them once and then use a repeat key: Emacs native repeat key is C-x z once and then repeat more by only typing 'z'. PEL also binds the <f5> key to repeat. PEL also provides the Window Hydra (described above) which can be started with one of the following commands using the <f7> prefix. Once the Hydra is entered, commands can be issued again without any prefix. Each of the first 5 commands below have 5 possible bindings: The Emacs default key binding using the C-x prefix. The commands with the default PEL <f11> prefix, always available. The commands with ESC prefix, available when pel-windmove-on-esc-cursor user option is on (set to t). The Hydra-based commands, activated with any of the key sequences that use the <f7> prefix. Available when pel-use-hydra user option is set to t.</f7></f11></f7></f5> | | | |
| Grow window taller | • C-x ^ • <f11> w s V • ESC M-<up> • <f1> M-<up> * <f7> V</f7></up></f1></up></f11> | (enlarge-window DELTA &optional HORIZONTAL) | Grow window taller by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. • See note above for availability of various bindings. | |
| Shrink window smaller | • <f11> w s v • ESC M-<down> • <f1> M-<down> * <f7> v</f7></down></f1></down></f11> | (shrink-window DELTA &optional HORIZONTAL) | Shrink height of window by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. • See note above for availability of various bindings. | |
| Grow windows wider | • C-x } • <f11> w s H • ESC M-<right> • <f1> M-<right> * <f7> H</f7></right></f1></right></f11> | (enlarge-window-horizontally DELTA) | Enlarge the current window horizontally. • See note above for availability of various bindings. | |
| Shrink window narrower | • C-x { • <f11> w s h • ESC M-<1eft> • <f1> M-<1eft> * <f7> h</f7></f1></f11> | (shrink-window-horizontally DELTA) | Reduce the width of the current window. • See note above for availability of various bindings. | |
| Make all windows the same size | • C-x + • <f11> w s = • ESC <kp-5> • <f1> <kp-5> * <f7> =</f7></kp-5></f1></kp-5></f11> | (balance-windows & optional WINDOW-OR-FRAME) | Balance the sizes of windows of WINDOW-OR-FRAME. WINDOW-OR-FRAME is optional and defaults to the selected frame. If WINDOW-OR-FRAME denotes a frame, balance the sizes of all windows of that frame. If WINDOW-OR-FRAME denotes a window, recursively balance the sizes of all child windows of that window. See note above for availability of various bindings. | |
| Reduce current window size if buffer is smaller than window | • C-x - • <f11> w s -</f11> | (shrink-window-if-larger-than- buffer &optional WINDOW) | Shrink height of current window if its buffer doesn't need so many lines. More precisely, shrink window vertically to be as small as possible, while still showing the full contents of its buffer. Do not shrink window to less than 'window-min-height' lines. Do nothing if the buffer contains more lines than the present window height, or if some of the window's contents are scrolled out of view, or if shrinking this window would also shrink another window, or if the window is the only window of its frame. | |
| Fit window size to current buffer's content | • C-x w - * <f7> .</f7> | (fit-window-to-buffer &optional WINDOW MAX-HEIGHT MIN-HEIGHT MAX-WIDTH MIN-WIDTH PRESERVE-SIZE) | Adjust size of WINDOW to display its buffer's contents exactly. WINDOW must be a live window and defaults to the selected one. If WINDOW is part of a vertical combination, adjust WINDOW's height. The new height is calculated from the actual height of the accessible portion of its buffer. The optional argument MAX-HEIGHT specifies a maximum height and defaults to the height of WINDOW's frame. The optional argument MIN-HEIGHT specifies a minimum height and defaults to 'window-min-height'. Both MAX-HEIGHT and MIN-HEIGHT are specified in lines and include mode and header line and a bottom divider, if any. If WINDOW is part of a horizontal combination and the value of the option 'fit-window-to-buffer-horizontally' is non-nil, adjust WINDOW's width. The new width of WINDOW is calculated from the maximum length of its buffer's lines that follow the current start position of WINDOW. The optional argument MAX-WIDTH specifies a maximum width and defaults to the width of WINDOW's frame. The optional argument MIN-WIDTH specifies a minimum width and defaults to 'window-min-width'. Both MAX-WIDTH and MIN-WIDTH are specified in columns and include fringes, margins, a scrollbar and a vertical divider, if any. | |
| Quick Window Layout Change | The following commands flip | the layout of 2 windows: the current | and next window between 2 horizontal windows to 2 vertical windows and vice versa. | |
| Flip 2 horizontal windows to 2 vertical ones | • <f11> w v * <f7> M-v</f7></f11> | (pel-2-vertical-windows) | Convert 2 horizontal windows into 2 vertical windows. • Flip the orientation of the current window and its next one. • The next window is placed at the right of the current window. | |
| Flip 2 vertical windows to 2 horizontal ones | • <f11> w h * <f7> M-h</f7></f11> | (pel-2-horizontal-windows) | Convert 2 horizontal windows into 2 horizontal windows. Flip the orientation of the current window and its next one. The next window is placed below the current one. | |

| <u>Operation</u> | <u>Keystroke</u> | Function | <u>Note</u> | | |
|---|--|--|---|--|--|
| Window Layout | _ | | vindow layout. Two packages are available . | | |
| History | The winner package, a package that is part of the standard Emacs. 2 PEL activates them when pel-use-winner user option is t. The external layout-restore package. PEL activates it with pel-use-restore-layout user-option set to t. This associates layouts to buffers. | | | | |
| Restore an earlier window configuration | C-c <left> (winner-undo)</left> <f11> w p</f11> <f7> p</f7> Switch back to an earlier window configuration saved by Winner mode. In other words, "undo" changes in window configuration. | | , | | |
| Restore a more recent window configuration | • C-c <right> • <f11> w n * <f7> n</f7></f11></right> | (winner-redo) | Restore a more recent window configuration saved by Winner mode. | | |
| Save Window layout | <f11> w 1 s</f11> | (layout-save-current) | Save the current layout, add a list of current layout to layout-configuration-alist. | | |
| Restore Layout | <f11> w l r</f11> | (layout-restore &optional BUFFER) | Restore the layout related to the buffer BUFFER, if there is such a layout saved in 'layout-configuration-alist', and update the layout if necessary. | | |
| Delete Layout | <f11> w l d</f11> | (layout-delete-current &optional BUFFER) | Delete the layout information from 'layout-configuration-alist' if there is an element list relate to BUFFER. | | |
| Open Buffer in another window | With the following commands you can show a different buffer inside another window. One command select that other window (move point to that window) and the other does not. Under PEL both commands are bound to the IDO version of the command when the pel-use-ido customization variable is set to t, otherwise they retain the Emacs default binding. The IDO binding provides more information at the prompt. | | | | |
| Select buffer in other window | • C-x 4 b • <f11> w B</f11> | (ido-switch-buffer-other-window) | Select buffer bufname in another window (switch-to-buffer-other-window). See <u>Select Buffer</u> . | | |
| Display buffer in other window, don't select the other window. | • C-x 4 C-o • <f11> w b</f11> | (ido-display-buffer) ——————————————————————————————————— | Display a buffer in other window but don't select it. When <i>pel-use-ido</i> is customized to t, (ido-display-buffer) is used, which prompts and provides easy to select list of available buffer names. Otherwise the standard Emacs (display-buffer) is used prompting without showing the available buffers. | | |
| Dedicated Windows | Emacs windows can be dedi commands help you manage | | ay that future windows operations do not affect the dedicated windows. The following | | |
| Show dedicated status of current window | <f11> w d ?</f11> | (pel-show-window-dedicated-status) | Display the dedicated status of the current window in the echo area (the minibuffer). | | |
| Toggle dedicated status of current window | • <f11> w d d * <f7> d</f7></f11> | (pel-toggle-window-dedicated) | Toggle the dedicated status of the current window, changing a normal window into a dedicated one and a dedicated window into a normal one. Luse with care after learning about <u>dedicated windows</u> . | | |
| Follow Mode | Emacs has a scroll all windows mode which applies all scroll commands to all visible windows. To support mouse wheel or scroll bar you need to implement | | | | |
| See also: Secolling | | the Emacs Wiki Scroll All Mode page de using 3 windows | e. When Emacs follow-mode is used on 2 or more windows, these windows show the text of the | | |
| See aso. <u>* Scroning</u> | Text in the first window goes to the bottom and then | es window it continues there. | Follow mode is a minor mode that combines windows into one tall virtual window. This is accomplished by two main techniques: The windows always displays adjacent sections of the buffer. This means that whenever one window is moved, all the others will follow. (Hence the name Follow mode.) Should point (cursor) end up outside a window, another window displaying that point is selected, if possible. This makes it possible to walk between windows using normal cursor movement commands. Follow mode comes to its prime when used on a large screen and two or more side-by-side windows are used. The user can, with the help of Follow mode, use these full-height windows as though they were one. | | |
| Toggle follow-mode See also: Scrolling | • <f11> w f • <f11> f</f11></f11> | (follow-mode &optional ARG) | Toggle Follow mode. With a prefix argument ARG, enable Follow mode if ARG is positive, and disable it otherwise. | | |
| Scrolling Window | For all other commands to | scroll the window text, see the S Sc | rolling page. | | |
| recentering in current window | | not move point, but reposition the they can be used to refresh the view in | | | |
| Position current line to window's Center / Bottom / Top . Refresh screen. | • C-1 (recenter-top-bottom 8 • <f11> C-1 ARG)</f11> | | Without argument: moves the current line to window: center -> top -> bottom. • With arg: centre first: • C-u C-1 C-1 C-1 • → center → bottom → center → top • With negative arg: bottom first: • C C-1 C-1 C-1 • → bottom → center → top • With arg 0: top first: • M-0 C-1 C-1 C-1 • → top → bottom → center • With numeric positive: move current line to window top position N • With negative numeric: move current line to bottom window position: -1 := last line • PEL provides the <fi1>> C-1 key binding because some modes use C-1 as a prefix key</fi1> | | |
| Reposition comment/definition in full view | • C-M-1 (reposition-window &optional ARG) | | Attempts to make the current comment or current definition fully visible by scrolling the lines without changing the point. • Further invocations move it to the top of the window or toggle the visibility of comments that precede it (by scrolling the lines). | | |

Windows - Reference

| Topic/URL | Comment |
|---|--|
| GNU Emacs — Displaying a Buffer in a Window | Describes the Emacs features related to displaying buffers inside windows. |
| GNU Emacs Lisp — Displaying Buffers — The Zen of Buffer Display | Describes the rules Emacs tries to use to control the creation of new windows when they are created dynamically from commands. |
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