Fast Emacs Startup

| Operation | <u>Keystroke</u> | Function | <u>Note</u> | |
|--|--|--|--|--|
| Run Emacs in a fast setup mode | As this number grows a them in the load-path are PEL is designed to mininumber of elope directore. Emacs supports multiple Take advantage of late the package that imperent external package that imperent external packages. At this single-directory Elpa pack drastic. And it can be used to the following prevention and provided the element of all variables. To re-organize the element external package between the element external packages. To re-organize the element external package between the element external packages. To re-organize the element external package between the element external packages and element external packages are element external packages. To return to the normal external package between the element external packages are element external packages. | The number of external packages installed have an impact on the time Emacs start to complete its initialization phase. As this number grows and the number of directories in the -/.emacs.d/elpa directory increases, Emacs must process each directory: it places ear them in the load-path and loads the autoloads.el and the -pkg.el of each of them. PEL is designed to minimize the startup time by using several techniques, but it has no control over the number of elope sub-directories. With a number of elope directories, Emacs startup time can increase noticeably. Emacs supports multiple techniques to reduce this startup time: Take advantage of lazy loading, and load the strict minimum, using Emacs autoload mechanism to identify commands that will trigger the load the package that implement them. PEL use these techniques intensively. Emacs 27 and later support a package-quickstart mechanism that creates a single autoloads.el file for all installed elpa packages, reducing the startup time. A early-init file must be written to take advantage of this technique. PEL supports this mechanism. Reduce the number of packages. By removing the installed external packages that you do not need you reduce Emacs startup processing. W PEL you can disable the user-options and use pel-cleanup to remove the excessive packages and any dependency that is no longer required. Even when you take advantage of the techniques describe above, you may find that Emacs starts slower than desired when you use a large numbe external packages. At this point you can activate PEL's Emacs fast startup mode of operation. This is a special setup where the code of all exte single-directory Eipa packages are placed inside a single directory. This reduces Emacs startup further and in some situations this reduction may trastic. And it can be used along with all above techniques. This technique takes advantage of the fact that the name of every Emacs package should be distinct, like the names of all functions and the nic of all variables. To re-organize | | |
| Open this PDF file. | install new packages | the time grows again. (pel-help-pdf &optional OPEN-WEB- | Open the ∑ Fast Startup local PDF. If the prefix argument (like C-u or M) is | |
| See also: <u>Nelp/Info</u> | 120 0 111 | PAGE) | 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. | |
| Display current Emacs Startup configuration setup See also: <u>N Help/Info</u> | <f11> ? M-S <f11> M-S ?</f11></f11> | (pel-setup-info) | Display current state of PEL setup: whether Emacs startup is used in normal or in fast startup operation mode. | |
| Enter Fast Startup Mode of Operation | <f11> M-S f</f11> | (pel-setup-fast) | Prepare the elpa directories and code to speedup Emacs startup. • Prompts before proceeding. • After executing this command it is best to restart Emacs to complete the setup. | |
| Restore Normal Mode | <f11> M-S n</f11> | (pel-setup-normal) | Restore normal PEL/Emacs operation mode. • Prompts before proceeding. • After executing this command it is best to restart Emacs to complete the setup. | |