









PlantUML-Mode - UML Drawings

| Description | Keystroke | Function | Note |
|--|---|---|---|
| PlantUML - Mode |  The plantuml-mode external package allows you to render PlantUML markup to create UML drawing image or ASCII-art text. See also the The Hitchhiker's Guide to PlantUML . | | |
| |  The flycheck-plantuml external package integrates plantuml-mode with flycheck to automatically check the syntax of the plantuml files on the fly. | | |
| |  PEL activates the plantuml-mode package when the pel-use-plantuml is non-nil. You can set it to t or to server . When set to t it forces the use of a local plantuml.jar program to render the markup. When set to server it sends the plantuml markup to the PlantUML server to render it. These values are set in the plantuml-default-exec-mode user option. | | |
| |  PEL activates the flycheck-plantuml package when the pel-use-flycheck-plantuml user option is set to t . | | |
| |  The plantuml-mode package can also be customized via the plantuml customization group: use <F11> <f1> G plantuml | | |
| |  PEL provides 2 different key prefixes: <ul style="list-style-type: none">pel:plantuml, mapped to <f11> D u, for global commands that be be issued from any major mode,pel:for-plantuml, mapped to <f12> once the buffer major mode is plantuml-mode. To put a buffer in plantuml-mode use <f11> D u u.  Text rendering of PlantUML diagrams is limited to 4096 bytes of text. Attempting to render a larger description in 'txt' (text) mode fail. Rendering of diagrams larger than 4096 bytes of text works in graphics mode. Tested on macOS with Graphviz Dot 2.44.0 and PlantUML 1.2020.15. | | |
| Open this PDF file. See also: Help/Info | <f11> SPC M-u <f1> | (pel-help-pdf &optional OPEN-WEB-PAGE) | Open the M PlantUML local PDF. If the prefix argument (like C-u or M--) is used, then it opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around. |
| | <f12> <f1> | | |
| Customize PEL PlantUML support | <ul style="list-style-type: none"><f11> D u <f2><f11> SPC M-u <f2> | (pel-customize-pel &optional OTHER-WINDOW) | Customize PEL PlantUML support. <ul style="list-style-type: none">If OTHER-WINDOW is non-nil (use C-u), display in another window. |
| | <f12> <f2> | | |
| Customize Emacs PlantUML support | <ul style="list-style-type: none"><f11> D u <f3><f11> SPC M-u <f3> | (pel-customize-library &optional OTHER-WINDOW) | Customize Emacs PlantUML support. <ul style="list-style-type: none">If OTHER-WINDOW is non-nil (use C-u), display in another window. |
| | <f12> <f3> | | |
| | | | |
| Download & install latest version of PlantUML JAR file | <f11> D u M-d | (plantuml-download-jar) | Download the latest PlantUML JAR file and install it into 'plantuml-jar-path' (a user option that can be customized). |
| Se the PlantUML Execution mode | <f11> D u M-x | (plantuml-set-exec-mode MODE) | Set the execution mode MODE for PlantUML. Prompts for mode. The following modes are available: executable, jar, server. |
| Activate PlantUML mode | <f11> D u u | (plantuml-mode) | Activate plantuml-mode |
| Enable PlantUML debug messages | <f11> SPC M-u M-d | (plantuml-enable-debug) | Enables debug messages into the "PLANTUML Messages" buffer. |
| | <f12> M-d | | |
| Disable PlantUML debug messages | <f11> D u M-D | (plantuml-disable-debug) | Stops any debug messages to be added into the "PLANTUML Messages" buffer. |
| | <f12> M-D | | |
| Indent the PlantUML line | <f11> SPC M-u <tab> | (plantuml-indent-line) | Indent the current line to its desired indentation level. <ul style="list-style-type: none">Restore point to same position in text of the line as before indentation. |
| | <f12> <tab> | | |
| Preview UML diagram from plantUML source in current region (if marked) or entire buffer | <f11> SPC M-u p | (plantuml-preview PREFIX) | Preview diagram from the PlantUML sources. <ul style="list-style-type: none">Uses the current region if one is active, or the entire buffer otherwise.Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none">4 (when prefixing the command with C-u) -> new window16 (when prefixing the command with C-u C-u) -> new frame.else -> new buffer |
| | <ul style="list-style-type: none"><f12> pC-c C-c | | |
| Preview UML diagram from plantUML source in current plantUML region of commented source code | <f11> D u p | (pel-render-commented-plantuml PREFIX &optional POS) | Render the PlantUML markup embedded in current mode comment. <ul style="list-style-type: none">Use region if identified otherwise use PlantUML block at point.Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none">4 (when prefixing the command with C-u) -> new window16 (when prefixing the command with C-u C-u) -> new frame.else -> new bufferThis can be used inside buffer using any major mode, when PlantUML markup is embedded inside source code comment.  Use this in source code to describe your code architecture with PlantUML markup, then generate the UML rendering by moving point inside the PlantUML block and issuing this command. |
| Preview UML diagram from plantUML source in current buffer | <f11> SPC M-u b | (plantuml-preview-buffer PREFIX) | Preview diagram from the PlantUML sources in the current buffer. <ul style="list-style-type: none">Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none">4 (when prefixing the command with C-u) -> new window16 (when prefixing the command with C-u C-u) -> new frame.else -> new buffer |
| | <f12> b | | |
| Preview UML diagram from plantUML source in current plantUML block | <f11> SPC M-u c | (plantuml-preview-current-block PREFIX) | Preview diagram from the PlantUML sources from the previous @startuml to the next @enduml. <ul style="list-style-type: none">Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none">4 (when prefixing the command with C-u) -> new window16 (when prefixing the command with C-u C-u) -> new frame.else -> new buffer |
| | <f12> c | | |
| Preview UML diagram from plantUML source in current plantUML region | <f11> SPC M-u r | (plantuml-preview-region PREFIX BEGIN END) | Preview diagram from the PlantUML sources in from BEGIN to END. <ul style="list-style-type: none">Uses the current region when called interactively.Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none">4 (when prefixing the command with C-u) -> new window16 (when prefixing the command with C-u C-u) -> new frame.else -> new buffer |
| | <f12> r | | |
| Complete PlantUML symbol | <f11> SPC M-u / | (plantuml-complete-symbol) | Perform keyword completion on word before cursor. |
| | <f12> / | | |
| Select output type | <f11> SPC M-u o | (plantuml-set-output-type TYPE) | Set the desired output type (as TYPE) for the current buffer. <ul style="list-style-type: none">If the major mode of the current buffer mode is not plantuml-mode, set the default output type for new buffers.The basic output modes are: svg, png and text. The sag and png mode are only available when Emacs runs in graphics mode. |
| | <f12> o | | |

PlantUML — References

| Topic & Link | Note |
|----------------------------|---|
| PlantUML @ Wikipedia | Provides an overview |
| PlantUML home page | PlantUML home page. This site has a lot of publicity, but it's really the official site. It has links to important documents, like: <ul style="list-style-type: none">PlantUML PDF GuideThe Hitchhiker's Guide to PlantUMLPlantUML Standard LibraryPreprocessingF.A.Qand others... |
| plantuml-mode @ GitHub | Emacs plantuml-mode package to use PlantUML within Emacs |
| flycheck-plantuml @ Github | Emacs package: Flycheck for plantuml syntax |