

PlantUML-Mode - UML Drawings🚧

Move Operation	Keystroke	Function	Notes
PlantUML - Mode	<div><div></div><div>The <b>plantuml-mode</b> external package allows you to render <b>PlantUML markup</b> to create UML drawing image or ASCII-art text. See also the <a href="#">The Hitchhiker's Guide to PlantUML</a>.</div><div><div></div><div>The <b>flycheck-plantuml</b> external package integrates plantuml-mode with flycheck to automatically check the syntax of the plantuml files on the fly.</div></div><div><div></div><div>PEL activates the <b>plantuml-mode</b> package when the <b>pel-use-plantuml</b> is non-nil. You can set it to <b>t</b> or to <b>server</b>. When set to <b>t</b> it forces the use of a local platuml.jar program to render the markup. When set to <b>server</b> it sends the plantuml markup to the PlantUML server to render it. These values are set in the <b>plantuml-default-exec-mode</b> user option.</div></div><div><div></div><div>PEL activates the <b>flycheck-plantuml</b> package when the <b>pel-use-flycheck-plantuml</b> user option is set to <b>t</b>.</div></div><div><div></div><div>The plantuml-mode package can also be customized via the <b>plantuml</b> customization group: use <b>&lt;F11&gt; &lt;f1&gt; G</b> plantuml</div></div><div><div></div><div>PEL provides 2 different key prefixes:<ul style="list-style-type: none"><li>pel:plantuml, mapped to <b>&lt;f11&gt; D u</b>, for global commands that be be issued from any major mode,</li><li>pel:for-plantuml, mapped to <b>&lt;f12&gt;</b> once the buffer major mode is plantuml-mode. To put a buffer in plantuml-mode use <b>&lt;f11&gt; D u u</b>.</li></ul></div></div></div>		
Customize PlantUML	<ul style="list-style-type: none"><li><b>&lt;f11&gt; &lt;f1&gt; SPC u</b></li><li><b>&lt;f12&gt; &lt;f1&gt;</b></li></ul>	( <b>pel-cfg-pkg-plantuml</b> &optional OTHER-WINDOW)	Customize PEL PlantUML support. <ul style="list-style-type: none"><li>If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in another window.</li></ul>
Download & install latest version of PlantUML JAR file	<b>&lt;f11&gt; D u M-d</b>	( <b>plantuml-download-jar</b> )	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	<b>&lt;f11&gt; D u M-x</b>	( <b>plantuml-set-exec-mode</b> MODE)	Set the execution mode MODE for PlantUML.
Activate PlantUML mode	<b>&lt;f11&gt; D u u</b>	( <b>plantuml-mode</b> )	Activate plantuml-mode
Enable PlantUML debug messages	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u M-d</b></li><li><b>&lt;f12&gt; M-d</b></li></ul>	( <b>plantuml-enable-debug</b> )	Enables debug messages into the "PLANTUML Messages" buffer.
Disable PlantUML debug messages	<ul style="list-style-type: none"><li><b>&lt;f11&gt; D u M-D</b></li><li><b>&lt;f12&gt; M-D</b></li></ul>	( <b>plantuml-disable-debug</b> )	Stops any debug messages to be added into the "PLANTUML Messages" buffer.
Indent the PlantUML line	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u &lt;tab&gt;</b></li><li><b>&lt;f12&gt; &lt;tab&gt;</b></li></ul>	( <b>plantuml-indent-line</b> )	Indent the current line to its desired indentation level. <ul style="list-style-type: none"><li>Restore point to same position in text of the line as before indentation.</li></ul>
Preview UML diagram from plantUML source in current region (if marked) or entire buffer	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u p</b></li><li><b>&lt;f12&gt; p</b></li><li><b>C-c C-c</b></li></ul>	( <b>plantuml-preview</b> PREFIX)	Preview diagram from the PlantUML sources. <ul style="list-style-type: none"><li>Uses the current region if one is active, or the entire buffer otherwise.</li><li>Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none"><li>4 (when prefixing the command with <b>C-u</b>) -&gt; new window</li><li>16 (when prefixing the command with <b>C-u C-u</b>) -&gt; new frame.</li><li>else -&gt; new buffer</li></ul></li></ul>
Preview UML diagram from plantUML source in current plantUML region of commented source code	<b>&lt;f11&gt; D u p</b>	( <b>pel-render-commented-plantuml</b> PREFIX &optional POS)	Render the PlantUML markup embedded in current mode comment. <ul style="list-style-type: none"><li>Use region if identified otherwise use PlantUML block at point.</li><li>Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none"><li>4 (when prefixing the command with <b>C-u</b>) -&gt; new window</li><li>16 (when prefixing the command with <b>C-u C-u</b>) -&gt; new frame.</li><li>else -&gt; new buffer</li></ul></li><li>This can be used inside buffer using <b>any</b> major mode, when PlantUML markup is embedded inside source code comment.</li></ul> <div>👉 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.</div>
Preview UML diagram from plantUML source in current buffer	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u b</b></li><li><b>&lt;f12&gt; b</b></li></ul>	( <b>plantuml-preview-buffer</b> PREFIX)	Preview diagram from the PlantUML sources in the current buffer. <ul style="list-style-type: none"><li>Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none"><li>4 (when prefixing the command with <b>C-u</b>) -&gt; new window</li><li>16 (when prefixing the command with <b>C-u C-u</b>) -&gt; new frame.</li><li>else -&gt; new buffer</li></ul></li></ul>
Preview UML diagram from plantUML source in current plantUML block	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u c</b></li><li><b>&lt;f12&gt; c</b></li></ul>	( <b>plantuml-preview-current-block</b> PREFIX)	Preview diagram from the PlantUML sources from the previous @startuml to the next @enduml. <ul style="list-style-type: none"><li>Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none"><li>4 (when prefixing the command with <b>C-u</b>) -&gt; new window</li><li>16 (when prefixing the command with <b>C-u C-u</b>) -&gt; new frame.</li><li>else -&gt; new buffer</li></ul></li></ul>
Preview UML diagram from plantUML source in current plantUML region	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u r</b></li><li><b>&lt;f12&gt; r</b></li></ul>	( <b>plantuml-preview-region</b> PREFIX BEGIN END)	Preview diagram from the PlantUML sources in from BEGIN to END. <ul style="list-style-type: none"><li>Uses the current region when called interactively.</li><li>Uses prefix (as PREFIX) to choose where to display it:<ul style="list-style-type: none"><li>4 (when prefixing the command with <b>C-u</b>) -&gt; new window</li><li>16 (when prefixing the command with <b>C-u C-u</b>) -&gt; new frame.</li><li>else -&gt; new buffer</li></ul></li></ul>
Complete PlantUML symbol	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u /</b></li><li><b>&lt;f12&gt; /</b></li></ul>	( <b>plantuml-complete-symbol</b> )	Perform keyword completion on word before cursor.
Select output type	<ul style="list-style-type: none"><li><b>&lt;f11&gt; SPC u o</b></li><li><b>&lt;f12&gt; o</b></li></ul>	( <b>plantuml-set-output-type</b> TYPE)	Set the desired output type (as TYPE) for the current buffer. <ul style="list-style-type: none"><li>If the major mode of the current buffer mode is not plantuml-mode, set the default output type for new buffers.</li><li>The basic output modes are: svg, png and text. The sag and png mode are only available when Emacs runs in graphics mode.</li></ul>

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"><li>PlantUML PDF Guide</li><li>The Hitchhiker's Guide to PlantUML</li><li>PlantUML Standard Library</li><li>Preprocessing</li><li>F.A.Q</li><li>and others...</li></ul>
plantuml-mode @ GitHub	Emacs plantuml-mode package to use PlantUML within Emacs
flycheck-plantuml @ Github	Emacs package: Flycheck for plantuml syntax