

Emacs support for Erlang ⚠️

Description	Keystroke	Function	Note
Support for the Erlang Programming Language	<div>📦 Emacs provides support for Erlang and Erlang Tools via the erlang-mode external package and some other packages.</div> <div>🔧 PEL activates Erlang support via the customize user option variable <code>pel-use-erlang</code>. It must be set to <code>t</code> to activate support for Erlang.</div> <div>⚙️ Further customization is available via several user options.</div> <ul style="list-style-type: none">• PEL customization for Erlang: use <code>M-x customize-group pel-pkg-for-erlang</code>.		
Editing Erlang Code			
Electric Key in Erlang Source code	The following keys have “ <i>electric</i> ” behaviour and perform special editing tasks to help edit Erlang source code.		
	,	(erlang-electric-comma &optional ARG)	<div>Insert a comma character and possibly a new indented line.</div> <ul style="list-style-type: none">• The variable ‘erlang-electric-comma-criteria’ states a criterion, when fulfilled a newline is inserted and the next line is indented.• Behaves just like the normal comma when supplied with a numerical arg, point is inside string or comment, or when there are non-whitespace characters following the point on the current line.
	;	(erlang-electric-semicolon &optional ARG)	<div>Insert a semicolon character and possibly a prototype for the next line.</div> <ul style="list-style-type: none">• The variable ‘erlang-electric-semicolon-criteria’ states a criterion, when fulfilled a newline is inserted, the next line is indented and a prototype for the next line is inserted. Normally the prototype consists of " ->". Should the semicolon end the clause a new clause header is generated.• The variable ‘erlang-electric-semicolon-insert-blank-lines’ controls the number of blank lines inserted between the current line and new function header.• Behaves just like the normal semicolon when supplied with a numerical arg, point is inside string or comment, or when there are non-whitespace characters following the point on the current line.
	>	(erlang-electric-gt &optional ARG)	<div>Insert a greater-than sign, and optionally insert a new line and indent.</div>
Erlang Comments	<div>Erlang uses the % character to identify line comments. It uses the following conventions:</div> <ul style="list-style-type: none">• % - Single percent characters for comments located toward the end of a line of code• %% - Two percent characters are used for comments starting at indentation level.• %%% - Three percent characters are used to describe modules and are always placed in the first column		
Comment/un-comment	M-;	(comment-dwim ARG)	<div>Comment line or region with % or %% style comments depending on the location in the buffer.</div> <ul style="list-style-type: none">• When no marked region and no comment:<ul style="list-style-type: none">• On empty line: insert %% comment starter at the proper indentation level.• On line with code: insert % comment starter after the code for an end-of-line comment• With marked un-commented region:<ul style="list-style-type: none">• Comment region (each line is commented)• With marked commented region:<ul style="list-style-type: none">• removes the comment.• Call the comment command you want (Do What I Mean).<ul style="list-style-type: none">• If the region is active and ‘transient-mark-mode’ is on, call ‘comment-region’ (unless it only consists of comments, in which case it calls ‘uncomment-region’). Else, if the current line is empty, call ‘comment-insert-comment-function’ if it is defined, otherwise insert a comment and indent it. Else if a prefix ARG is specified, call ‘comment-kill’. Else, call ‘comment-indent’.
	C-c C-c	(comment-region BEG END &optional ARG)	<div>Comment or uncomment each line in the region.</div> <ul style="list-style-type: none">• With just C-u prefix arg, uncomment each line in region BEG .. END.• Numeric prefix ARG means use ARG comment characters.• If ARG is negative, delete that many comment characters instead.• The strings used as comment starts are built from ‘comment-start’ and ‘comment-padding’; the strings used as comment ends are built from ‘comment-end’ and ‘comment-padding’.• By default, the ‘comment-start’ markers are inserted at the current indentation of the region, and comments are terminated on each line (even for syntaxes in which newline does not end the comment and blank lines do not get comments). This can be changed with ‘comment-style’. <div>👉 If you try this when no region is marked and the /* */ style comments is active, the comment ends on the next space, which is probably not what you want. The command comment-dwim works better.</div>
Indentation	<div>All syntactic indentation control for D is controlled by the CC-Mode logic and provided commands listed below.</div> <ul style="list-style-type: none">• Rigid indentation commands are also available and listed at the end of this list. They are also listed in the Σ Indentation table.		
Indent current line or region (See also: Σ Indentation)	<tab>	(c-indent-line-or-region &optional ARG REGION)	<div>Indent active region, current line, or block starting on this line.</div> <div>Behaviour depends on syntactic-indentation mode (enabled by default but can be toggled on/off with the <f12> M-i key):</div> <ul style="list-style-type: none">• With syntactic-indentation on (the default):<ul style="list-style-type: none">• In Transient Mark mode, when the region is active, reindent the region.• Otherwise, with a prefix argument, rigidly reindent the expression starting on the current line.• Otherwise reindent just the current line. <div>👉 This might seem strange for new Emacs users, but it ends up being very useful. You can type <tab> anywhere in the line to adjust the indentation of the current line or everything in the marked area if a block is marked.</div> <ul style="list-style-type: none">• With syntactic-indentation off:<ul style="list-style-type: none">• <tab> always indent current line by one level• C-u - <tab> or M- <tab> always un-indent current line by one level• Indenting marked region is done without syntax knowledge and at the same level as previous line. <div>👉 If you want to indent rigidly you can use:</div> <ul style="list-style-type: none">• (pel-indent-rigidly &optional N) (bound to C-x <tab> and to <f11> <tab><tab>) to indent the line or region rigidly.• (tab-to-tab-stop), bound to M-i to insert spaces to the next tab stop column.
Indent lines of list after point (See also: Σ Indentation)	C-M-q	(prog-indent-sexp &optional DEFUN)	<div>Indent the expression after point.</div> <div>When interactively called with prefix, indent the enclosing defun instead.</div>
Indent current function or class	C-c C-q	(erlang-indent-function)	<div>Indent current Erlang function.</div>

Description	Keystroke	Function	Note
			See “During Search - History previous” in search : it applies to Erlang shell
			Inside the Emacs erlang shell, MFA expansion with theta key does not work the way it works in a pure Erlang shell. Why?

Emacs & Erlang— References

Document	Notes
company-mode ; Modular in-buffer completion framework for Emacs	
The Erlang mode for Emacs	<p>On the erlang.org site. Start here. Describes the 2 files (erlang.el and erlang-start.el) provided by the Erlang mode support, how to set them up for various operating systems. Note, however, that PEL provides the setting for you. It also provides an overview of the various features the package provides.</p> <p>There's missing information though that I will identify later as I find out how to get the system going. One aspect to learn more is related to the various erlang-electric functions and variables.</p> <p>The variable erlang-electric-commands was set to (erlang-electric-comma erlang-electric-semicolon erlang-electric-gt) at first, which does not include the erlang-electric-newline function. I tried adding erlang-electric-newline and activated it, but that made things worse: the newline was no longer automatic after a -> on a function definition line.</p> <p>Another issue: inside the OS-level erlang shell, we can tab-completion a module:function string, but that does not work inside the emacs erlang shell.</p>
EDTS	EDTS: stands for: The Erlang Development Tool Suite
How to install EDTS	<p>Describes some aspects of EDTS and links that may be useful. Lists the requirements.</p> <p>⚠️After installing EDTS, I got several compile errors, and had to install the following other modules:</p> <p>- auto-complete (v1.5.1) - have to read doc and configure. And perhaps disable company mode?</p>
Using Tags with Erlang	
Etags with Erlang @ erlang.org	Describes how to use tags with Erlang source code and how to create the TAGS file.