



ENSIME

Getting Started

Getting Help

Supported Text Editors

Supported Build Tools

Contributing

Learning Scala

Sponsor

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Code of Conduct: Typelevel

Emacs

Cheat Sheet

Learning Emacs

[Installation](#)
[User Guide](#)
[scala-mode](#)
[sbt-mode](#)
[Hacks](#)
[Troubleshooting](#)
[Contributing](#)
[Atom](#)
[Vim](#)
[VS Code](#)
[Sublime](#)

Cheat Sheet

Customisation

To customise your ENSIME Emacs experience, don't forget to read through the user-customisable variables with `M-x customize-group RET ensime RET`, as defined in [ensime-vars.el](#).

Source

Shortcut	Description
<code>C-c C-v f</code>	Format the current source file
<code>C-c C-v r</code>	List all references to the symbol under the cursor
<code>C-c C-v i</code> or Control+Right-click	Inspect the type of the expression under the cursor
<code>C-c C-v 5 i</code>	Inspect the type of the expression under the cursor, in other frame
<code>C-c C-v t</code> or hover mouse	Show the type of the symbol under the cursor
<code>C-c C-v e</code> or hover mouse	Show compile warnings under the cursor ; show implicit conversions when applicable
<code>C-c C-v p</code>	Inspect the package of the current source file, or the package under the cursor
<code>C-c C-v o</code>	Inspect the package specified in .ensime as :project-package.
<code>C-c C-v u</code>	Undo a refactoring or formatting change

Presentation Compiler

Shortcut	Description
<code>C-c C-c c</code>	Typecheck the current file
<code>C-c C-c a</code>	Typecheck all files in the project
<code>C-c C-c r</code>	Reset the typechecker then typecheck all open files in the project
<code>C-c C-c e</code>	Show all errors and warnings from the last typecheck or compilation

Testing

Shortcut	Description
<code>C-c C-t t</code>	Go to (or create) test for current class
<code>C-c C-t i</code>	Go to implementation of the current test

Refactoring

Shortcut	Description
<code>C-c C-r a</code>	Add type to the symbol under the cursor
<code>C-c C-r o</code>	Organize imports in the current file
<code>C-c C-r t</code>	Import the type under the cursor
<code>C-c C-r r</code>	Rename the symbol under the cursor
<code>C-c C-r l</code>	Extract the region into a local value
<code>C-c C-r m</code>	Extract the region into a method

Shortcut	Description
C-c C-r i	Inline the local value under the cursor

Navigation

Shortcut	Description
M-. or Control+Left-Click	Jump to the definition of the symbol under the cursor
M-x ensime-edit-definition-other-window	Jump to the definition of the symbol under the cursor, into another window
M-x ensime-edit-definition-other-frame	Jump to the definition of the symbol under the cursor, into another frame
M-,	Pop back to the previously visited position
M-n	Go to the next compilation note in the current buffer
M-p	Go to the previous compilation note in the current buffer
C-c C-v .	Select the surrounding syntactic context. Subsequent taps of "." and ";" will grow and shrink the selection, respectively.
C-c C-v v	Search globally for methods or types

Documentation

Shortcut	Description
C-c C-v d	Browse the documentation of the symbol under the cursor

SBT

Much of this is a wrapper over `sbt-mode`, so don't forget that you also have commands provided as-is by that package.

Shortcut	Description
C-c C-b s or C-c C-v s	Start a SBT process, or switch to an existing one
C-c C-b S	Switch to buffer containing the stack trace parser
C-c C-b c	Compile
C-c C-b n	Clean
C-c C-b o	Run the current test
C-c C-b p	Package
C-c C-b r	Run
C-c C-b T	Run all tests
C-c C-b t	Run "quick" tests (tests impacted by recent changes)

Type/package inspector

Shortcut	Description
TAB or M-n	Forward page
M-p	Backward page
RET or Left-Click	If the cursor is over a type, inspect that type. If the cursor is over a method, go to its source code
,	Go back in the inspector history
.	Go forward in the inspector history

Debugger

Shortcut	Description
C-c C-d d	Start the debugger
C-c C-d b	Set a breakpoint at the current line
C-c C-d u	Remove the breakpoint at the current line
C-c C-d a	Remove all breakpoints
C-c C-d r	Start debugging the current program
C-c C-d s	Step into method invocations
C-c C-d o	Step out of method invocations
C-c C-d n	Step to the next line

Shortcut	Description
C-c C-d c	Continue the program execution
C-c C-d q	Stop debugging the current program
C-c C-d t	Show the current backtrace
C-c C-d i	Inspect the value of the symbol under the cursor

REPL

Shortcut	Description
C-c C-v z	Start the Scala REPL or switch to it
C-c C-v C-r	Send the region to the REPL
C-c C-v b	Evaluate the current buffer in the REPL
C-c C-v l	Prompt for a file and load it in the REPL

Miscellaneous

Shortcut	Description
C-c C-b S	Create a “stacktrace” buffer or switch to it
M-x ensime-shutdown	Shut down ENSIME
M-x ensime-reload	Reload the .ensime file and recompile the project
M-x ensime-inspect-by-path	Prompt for a type or package and inspect it

[edit]