

Xref Mode support 🚧

Language	<u>etags</u>	<u>GNU Global</u> <u>gtags with</u> <u>ggtags</u>	<u>Universal Ctags</u>	<u>rtags</u> for C/C++ only	Notes	Best choice
Ada	Yes					
assembler	Yes					
C	Yes			Yes	• etags —declarations create tags for declarations	
C++	Yes			Yes	• etags -Q support class qualification • etags —declarations create tags for declarations	
Clojure						
Cobol	Yes					
Common Lisp	Yes					
D						
Elixir						
Elm						
Emacs Lisp	Yes	Yes, via Universal CTags	Yes		• etags supports Emacs Lisp and C, the 2 programming languages used by Emacs. • creates a TAGS file • etags can create a TAGS file for files in several directory trees, with files in .gz files. • tools: <ul style="list-style-type: none">• etags-el: create TAGS file for 1 directory• tags-for-pel : create 1 TAGS file for all PEL and Emacs elisp and C code.	etags
Erlang						
forth	Yes					
Fortran	Yes					
go	Yes					
Haskell						
Java	Yes				• etags -Q support class qualification • etags —declarations create tags for declarations	
Javascript						
LaTeX	Yes					
LFE						
lua	Yes					
makefile	Yes					
Nim						
Objective C	Yes				• etags -Q support class qualification • etags —declarations create tags for declarations	
OCaml						
Pascal	Yes					
Perl	Yes					
php	Yes					
Postscript	Yes					
proc	Yes					
Prolog	Yes					
Python	Yes					
ruby	Yes					
Rust						
Scheme	Yes					
TCL						
Tex	Yes					
Texinfo	Yes					
V						
yacc	Yes					

Integration

Tool	Programming Language	xref	auto-complete	company	flycheck	flymake	ivy	helm
<u>rtags</u>	C, C++	Yes	Yes	Yes	Yes	No	Yes	Yes
<u>hashtags</u>	Haskell							
<u>fast-tags</u>	Haskell							

xref-backend-functions				
		local	Global	
C	c-mode		• etags--xref-backend	With nothing activated
			• dumb-jump-xref-activate • etags--xref-backend	With pel-use-dumb-jump = t
		• ggtags--xref-backend • t	• etags--xref-backend	with ggtags-mode active in buffer
Python			• etags--xref-backend	With nothing activated
		• ggtags--xref-backend • t	• etags--xref-backend	with ggtags-mode active in buffer
Erlang		• erlang-etags--xref-backend • t	etags--xref-backend	With nothing activated
		• ggtags--xref-backend • erlang-etags--xref-backend • t		with ggtags-mode active in buffer. Tested a little on jabbed source, but could not get many hits.
Rust	rust-mode		etags--xref-backend	With nothing activated
		• ggtags--xref-backend • t	etags--xref-backend	with ggtags-mode active in buffer
Javascript	js-mode		etags--xref-backend	With nothing activated
				with ggtags-mode active in buffer

GGTags Programming Language Support				
	C			
Modules	• Header files:			
functions	Yes			
structures				
Macros	• pre-processor symbols: • pre-processor macros: yes			