

Syntax Coloring of Source Code

Trac supports language-specific syntax highlighting of source code within wiki formatted text in [wiki processors](#) blocks and in the [repository browser](#).

To do this, Trac uses external libraries with support for a great number of programming languages.

Currently Trac supports syntax coloring using one or more of the following packages:

- [Pygments](#), by far the preferred system, as it covers a wide range of programming languages and other structured texts and is actively supported
- [GNU Enscript](#), commonly available on Unix but somewhat unsupported on Windows
- [SilverCity](#), legacy system, some versions can be [problematic](#)

To activate syntax coloring, simply install either one (or more) of these packages (see [#ExtraSoftware](#) section below). If none of these packages is available, Trac will display the data as plain text.

About Pygments

Starting with trac 0.11 [pygments](#) will be the new default highlighter. It's a highlighting library implemented in pure python, very fast, easy to extend and [well documented](#).

The Pygments default style can be specified in the [mime-viewer](#) section of trac.ini. The default style can be overridden by setting a Style preference on the [preferences page](#).

It's very likely that the list below is outdated because the list of supported pygments lexers is growing weekly. Just have a look at the page of [supported lexers](#) on the pygments webpage.

Syntax Coloring Support

Known MIME Types

MIME Types	WikiProcessors
<code>application/atom+xml</code>	xml
<code>application/json</code>	json
<code>application/json-object</code>	json-object
<code>application/kal</code>	kal
<code>application/ld+json</code>	json-ld jsonld
<code>application/msword</code>	doc dot
<code>application/pdf</code>	pdf
<code>application/postscript</code>	postscr postscript ps
<code>application/rss+xml</code>	rss
<code>application/rtf</code>	rtf
<code>application/sparql-query</code>	sparql
<code>application/vnd.wolfram.cdf</code>	mathematica mma nb
<code>application/x-awk</code>	awk gawk mawk nawk
<code>application/x-befunge</code>	befunge
<code>application/x-brainfuck</code>	bf brainfuck

MIME Types

WikiProcessors

application/x-chaiscript	chai chaiscript
application/x-clojure	clj clojure
application/x-clojurescript	cljs clojurescript
application/x-coldfusion	cfm
application/x-csh	csh tcsh
application/x-cython	cython pyrex pyx
application/x-dos-batch	bat batch cmd dos dosbatch winbatch
application/x-ecl	ecl
application/x-elisp	elisp emacs emacs-lisp
application/x-evoque	evoque
application/x-fantom	fan
application/x-fish	fish fishshell
application/x-forth	forth
application/x-gooddata-maql	maql
application/x-httpd-lasso[89]	html+lasso
application/x-httpd-php5	html+php
application/x-hy	hylang
application/x-hybris	hy hybris
application/x-jinja	django jinja
application/x-jsp	jsp
application/x-julia	j1 julia
application/x-kid	genshi kid xml+genshi xml+kid
application/x-lua	lua
application/x-mako	mako
application/x-mason	mason
application/x-moonscript	moon moonscript
application/x-myghty	myghty
application/x-newlisp	newlisp
application/x-openedge	abl openedge progress
application/x-perl	perl pl
application/x-perl6	perl6 pl6
application/x-pygments-tokens	raw
application/x-pypylog	pypy pypylog
application/x-python2	py2 python2
application/x-python3	py py3 python python3 sage
application/x-qt.qbs+qml	qbs qml
application/x-racket	racket rkt
application/x-ruby	duby rb ruby
application/x-ruby-templating	erb
application/x-sas	sas
application/x-scheme	scheme scm
application/x-sh-session	console shell-session
application/x-shen	shen

MIME Types

WikiProcessors

application/x-smarty	smarty
application/x-spitfire	cheetah spitfire
application/x-ssp	ssp
application/x-standardml	sml
application/x-stata	do stata
application/x-tcl	tcl
application/x-terraform	terraform tf
application/x-thrift	thrift
application/x-troff	roff troff
application/x-turtle	turtle
application/x-twig	twig
application/x-urbiscript	urbiscript
application/x-yaml	yaml
application/xhtml+xml	html
application/xml+evoque	xml+evoque
application/xml+jinja	xml+django xml+jinja
application/xml+lasso	xml+lasso
application/xml+mako	xml+mako
application/xml+myghty	xml+myghty
application/xml+php	xml+php
application/xml+ruby	xml+erb xml+ruby
application/xml+smarty	xml+smarty
application/xml+spitfire	xml+cheetah xml+spitfire
application/xml+velocity	xml+velocity
application/xml-dtd	dtd
application/xquery	xq xql xqm xquery xqy
application/xsl+xml	xsl
application/xslt+xml	xslt
image/svg+xml	svg
image/x-icon	ico
message/rfc822	email eml
model/vrml	vrml wrl
multipart/alternative	mime
text/actionscript	actionscript as
text/actionscript3	actionscript3 as3
text/basic	basic qbasic
text/coffeescript	coffee coffee-script coffeescript
text/css	css
text/css+genshi	css+genshi css+genshitext
text/css+jinja	css+django css+jinja
text/css+lasso	css+lasso
text/css+mako	css+mako
text/css+myghty	css+myghty

MIME Types	<u>WikiProcessors</u>
text/css+php	css+php
text/css+ruby	css+erb css+ruby
text/css+smarty	css+smarty
text/gettext	po pot
text/html	htm
text/html+evoque	html+evoque
text/html+genshi	html+genshi html+kid
text/html+jinja	html+django html+jinja htmdldjango
text/html+mako	html+mako
text/html+myghty	html+myghty
text/html+ruby	html+erb html+ruby rhtml
text/html+smarty	html+smarty
text/html+spitfire	html+cheetah html+spitfire htmlcheetah
text/html+twig	html+twig
text/html+velocity	html+velocity
text/idl	idl
text/inf	cfg dosini ini
text/ipf	igor igorpro
text/javascript	javascript js
text/javascript+genshi	javascript+genshi javascript+genshitext js+genshi js+genshitext
text/javascript+jinja	javascript+django javascript+jinja js+django js+jinja
text/javascript+lasso	javascript+lasso js+lasso
text/javascript+mako	javascript+mako js+mako
text/javascript+mygthy	javascript+myghty js+myghty
text/javascript+php	javascript+php js+php
text/javascript+ruby	javascript+erb javascript+ruby js+erb js+ruby
text/javascript+smarty	javascript+smarty js+smarty
text/javascript+spitfire	javascript+cheetah javascript+spitfire js+cheetah js+spitfire
text/jsgf	jsgf
text/juttle	juttle
text/limbo	limbo
text/livescript	live-script livescript
text/matlab	matlab
text/ncl	ncl
text/octave	octave
text/odin	odin
text/plain	AUTHORS COPYING ChangeLog INSTALL README RELEASE TXT text txt
text/prs.fallenstein.rst	rest restructuredtext rst
text/rsl	rsl

MIME Types	<u>WikiProcessors</u>
text/rust	rs rust
text/scilab	scilab
text/shex	shex shexc
text/smali	smali
text/supercollider	sc supercollider
text/swig	swig
text/troff	groff man nroff
text/unicon	unicon
text/x-abap	abap
text/x-abnf	abnf
text/x-ada	ada ada2005 ada95 adb ads
text/x-agda	agda
text/x-alloy	alloy
text/x-ambienttalk	ambienttalk ambienttalk/2 at
text/x-apacheconf	aconf apache apacheconf
text/x-arduino	arduino
text/x-asp	asp
text/x-aspectj	aspectj
text/x-asymptote	asy asymptote
text/x-autohotkey	ahk autohotkey
text/x-autoit	autoit
text/x-bb	b3d blitzbasic bplus
text/x-bbcode	bbcode
text/x-bibtex	bib bibtex
text/x-bmx	blitzmax bmax
text/x-bnf	bnf
text/x-boo	boo
text/x-c++hdr	H HH c++hdr hh hpp
text/x-c++src	C C++ CC c++ c++src cc cpp
text/x-c-objdump	c-objdump
text/x-ceylon	ceylon
text/x-chdr	chdr h
text/x-cirru	cirru
text/x-clay	clay
text/x-cmake	cmake
text/x-cobol	cobol
text/x-common-lisp	cl common-lisp lisp
text/x-component-pascal	componentpascal cp
text/x-coq	coq
text/x-cpp-objdump	c++-objdumb cpp-objdump cxx-objdump
text/x-crocsr	croc
text/x-cryptol	cry cryptol
text/x-crystal	cr crystal

MIME Types

WikiProcessors

text/x-csharp	C# c# cs csharp
text/x-csrc	c csrc xs
text/x-cuda	cu cuda
text/x-d-objdump	d-objdump
text/x-dart	dart
text/x-dasm16	dasm16
text/x-dg	dg
text/x-diff	patch
text/x-dockerfile-config	docker dockerfile
text/x-dsrc	d
text/x-dylan	dylan
text/x-dylan-console	dylan-console dylan-repl
text/x-dylan-lid	dylan-lid lid
text/x-earl-grey	earl-grey earlgrey eg
text/x-easytrieve	easytrieve
text/x-ebnf	ebnf
text/x-ecsrc	ec
text/x-eiffel	e eiffel
text/x-elisp	el
text/x-elixir	elixir ex exs
text/x-elixir-shellsession	iex
text/x-elm	elm
text/x-erl-shellsession	erl
text/x-erlang	erlang
text/x-ezhil	ezhil
text/x-factor	factor
text/x-fancysrc	fancy fy
text/x-felix	felix flx
text/x-flatline	flatline
text/x-fortran	f fortran
text/x-freefem	freefem
text/x-fsharp	f# fsharp
text/x-gas	asm gas
text/x-genshi	genshitext
text/x-gherkin	cucumber gherkin
text/x-glslsrc	glsl
text/x-gnuplot	gnuplot
text/x-gooddata-cl	gooddata-cl
text/x-gosrc	go
text/x-gosu	gosu
text/x-gosu-template	gst
text/x-groovy	groovy
text/x-haml	haml

MIME Types

WikiProcessors

text/x-handlebars-template	html+handlebars
text/x-haskell	haskell hs
text/x-hls1	hls1
text/x-hsail	hsa hsail
text/x-hx	haxe hx hxsl
text/x-id1	ice
text/x-idris	idr idris
text/x-inf	inf
text/x-iokesrc	ik ioke
text/x-iosrc	io
text/x-irclog	irc
text/x-isabelle	isabelle
text/x-j	j
text/x-jade	jade pug
text/x-java	java
text/x-java-properties	jproperties properties
text/x-jbst	duel jbst jsonml+bst
text/x-jcl	jcl
text/x-kconfig	kconfig kernel-config linux-config menuconfig
text/x-koka	koka
text/x-kotlin	kotlin
text/x-lasso	lasso lassoscript
text/x-latex	latex tex
text/x-lean	lean
text/x-less-css	less
text/x-lighttpd-conf	lighttpd lighty
text/x-literate-agda	lagda literate-agda
text/x-literate-cryptol	lcry lcryptol literate-cryptol
text/x-literate-haskell	lhaskell lhs literate-haskell
text/x-literate-idris	lidr lidris literate-idris
text/x-llvm	llvm
text/x-logos	logos
text/x-logtalk	logtalk
text/x-lsl	lsl
text/x-m4	m4
text/x-mail	mail
text/x-makefile	GNUMakefile Makefile bsdmake make makefile mf mk
text/x-markdown	md
text/x-mask	mask
text/x-minidsrc	minid
text/x-modelica	modelica
text/x-modula2	m2 modula2

MIME Types

WikiProcessors

text/x-monkey	monkey
text/x-moocode	moo moocode
text/x-mql	mq4 mq5 mql mql4 mql5
text/x-mysql	mysql
text/x-nasm	nasm
text/x-nasm-objdump	objdump-nasm
text/x-nemerle	nemerle
text/x-nescsrc	nesc
text/x-newspeak	newspeak
text/x-nginx-conf	nginx nginx-conf
text/x-nim	nim nimrod
text/x-nix	nix nixos
text/x-nsis	nsh nsi nsis
text/x-objc	m mm
text/x-objdump	objdump
text/x-objective-c	obj-c objc objective-c objectivec
text/x-objective-c++	obj-c++ objc++ objective-c++ objectivec++
text/x-objective-j	obj-j objective-j objectivej objj
text/x-ocaml	ml mli ocaml
text/x-ooc	ooc
text/x-opa	opa
text/x-parasail	parasail
text/x-pascal	delphi objectpascal pas pascal
text/x-patch	diff udiff
text/x-pawn	pawn
text/x-perl	PL pm
text/x-php	php php3 php4 php5
text/x-pig	pig
text/x-pike	pike
text/x-plpgsql	plpgsql
text/x-postgresql	postgres postgresql
text/x-postgresql-psql	postgres-console postgresql-console psql
text/x-povray	pov
text/x-powershell	posh powershell ps1 psm1
text/x-prolog	prolog
text/x-psp	psp
text/x-python-doctest	pycon python-doctest
text/x-python2-traceback	py2tb
text/x-python3-traceback	py3tb pytb
text/x-r-doc	rd
text/x-r-profile	r s splus
text/x-rebol	rebol
text/x-red-system	red red/system

MIME Types

WikiProcessors

text/x-rexx	arexx rexx
text/x-rfc	rfc
text/x-robotframework	robotframework
text/x-rpm-spec	spec
text/x-rql	rql
text/x-ruby-shellsession	irb rbcon
text/x-sarl	sarl
text/x-sass	sass
text/x-scala	scala
text/x-scaml	scaml
text/x-scss	scss
text/x-shellscript	bash ksh sh shell zsh
text/x-slim	slim
text/x-sls	salt sls yaml+jinja
text/x-smalltalk	smalltalk squeak st
text/x-snobol	snobol
text/x-sourcepawn	sp
text/x-sql	sql
text/x-sqlite3-console	sqlite3
text/x-squidconf	squid squid.conf squidconf
text/x-swift	swift
text/x-systemverilog	sv systemverilog
text/x-tasm	tasm
text/x-tea	tea
text/x-teratermmacro	teraterm teratermmacro ttl
text/x-textile	textile txtl
text/x-todo	todotxt
text/x-trac-wiki	moin trac-wiki
text/x-tsql	t-sql tsql
text/x-typescript	ts typescript
text/x-typoscript	typoscript
text/x-vala	vala vapi
text/x-vba	bas vb vb.net vba vbnet
text/x-vclsnippet	vclsnippet vclsnippets
text/x-vclsrc	vcl
text/x-verilog	v verilog
text/x-vhdl	vhd vhdl
text/x-vim	vim
text/x-whiley	whiley
text/x-windows-registry	registry
text/x-x10	x10 xten
text/x-xtend	xtend
text/x-yaml	yaml

List of Languages Supported, by Highlighter

This list is only indicative.

	SilverCity	Enscript	Pygments
Ada		?	
Asm		?	
Apache Conf			?
ASP	?	?	
C	?	?	?
C#		? <u>(1)</u>	?
C++	?	?	?
Java	? <u>(2)</u>	?	?
Awk		?	
Boo			?
CSS	?		?
Python Doctests			?
Diff		?	?
Eiffel		?	
Elisp		?	
Fortran		? <u>(1)</u>	?
Haskell		?	?
Genshi			?
HTML	?	?	?
IDL		?	
INI			?
Javascript	?	?	?
Lua			?
m4		?	
Makefile		?	?
Mako			?
Matlab <u>(3)</u>		?	?
Mygthy			?
Objective-C		?	?
OCaml			?
Pascal		?	?
Perl	?	?	?
PHP	?		?
PSP	?		
Pyrex		?	
Python	?	?	?

	SilverCity	Enscript	Pygments
Ruby	?	? <u>(1)</u>	?
Scheme		?	?
Shell		?	?
Smarty			?
SQL	?	?	?
Troff		?	?
TCL		?	
Tex		?	?
Verilog	? <u>(2)</u>	?	
VHDL		?	
Visual Basic		?	?
VRML		?	
XML	?		?

(1) Not included in the Enscript distribution. Additional highlighting rules can be obtained for ?Ruby, ?C#, ?Fortran 90x/2003

(2) since Silvercity 0.9.7 released on 2006-11-23

(3) By default .m files are considered Objective-C files. In order to treat .m files as MATLAB files, add "text/matlab:m" to the "mime_map" setting in the [mimeviewer] section of trac.ini.

Extra Software

- GNU Enscript -- [?http://directory.fsf.org/GNU/enscript.html](http://directory.fsf.org/GNU/enscript.html)
- GNU Enscript for Windows -- [?http://gnuwin32.sourceforge.net/packages/enscript.htm](http://gnuwin32.sourceforge.net/packages/enscript.htm)
- SilverCity -- [?http://silvercity.sf.net/](http://silvercity.sf.net/)
- Pygments -- [?http://pygments.org/](http://pygments.org/)

See also: [WikiProcessors](#), [WikiFormatting](#), [TracWiki](#), [TracBrowser](#)