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Source Code

The project maintains the following source code repositories:

* https://github.com/jakartaee/mail-api

* https://github.com/jakartaee/mail-tck

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.
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0.9.0 thru 1.2 1991-1995 CWI yes
1.3 thru 1.5.2 1.2 1995-1999 CNRI yes
1.6 1.5.2 2000 CNRI no
2.0 1.6 2000 BeOpen.com no
1.6.1 1.6 2001 CNRI yes (2)
2.1 2.0+1.6.1 2001 PSF no
2.0.1 2.0+1.6.1 2001 PSF yes

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2.1.1 2.1+2.0.1 2001 PSF yes

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cli-cursor

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ext/ffi_c/Call.h

ext/ffi_c/DynamicLibrary.c

ext/ffi_c/Function.c

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ext/ffi_c/LastError.h

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ext/ffi_c/MemoryPointer.c

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ext/ffi_c/Platform.c

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ext/ffi_c/Types.h

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debug version 2.2.0

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ms version 2.1.1

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minimist version 0.0.8

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Dependencies (2)

qs version 6.4.0

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Pkginfo

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jnr-ffi (https://github.com/jnr/jnr-jffi)

jnr-netdb (http://github.com/jnr/jnr-netdb)

jnr-unixsocket (https://github.com/jnr/jnr-unixsocket)

joda-time (http://joda-time.sourceforge.net)

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** Lexer for Assembler, just for the MASM syntax

** Written by Martial Demolins AKA Folco

**/

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** Lexer for ABAQUS. Based on the lexer for APDL by Hadar Raz.

** By Sergio Lucato.

** Sort of completely rewritten by Gertjan Kloosterman

**/

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** Lexer for Ada 95

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/** @file LexAPDL.cxx

** Lexer for APDL. Based on the lexer for Assembler by The Black Horus.

** By Hadar Raz.

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/**

* LexAsciidoc.cxx

*

* A simple Asciidoc lexer for scintilla.

*

* Based on the LexMarkdown.cxx by Jon Strait - jstrait@moonloop.net

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** Written by The Black Horus

** Enhancements and NASM stuff by Kein-Hong Man, 2003-10

** SCE_ASM_COMMENTBLOCK and SCE_ASM_CHARACTER are for future GNU as colouring

** Converted to lexer object and added further folding features/properties by "Udo Lechner" <dlchnr(at)gmx(dot)net>

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/** @file LexAsn1.cxx

** Lexer for ASN.1

**/

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// @file LexASY.cxx

//Author: instanton (email: soft_share<at>126<dot>com)

// This lexer is for the Asymptote vector graphics language

// https://en.wikipedia.org/wiki/Asymptote_(vector_graphics_language)

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// @file LexAU3.cxx

// Lexer for AutoIt3 https://www.autoitscript.com/site/

// by Jos van der Zande, jvdzande@yahoo.com

//

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/** @file LexAVE.cxx

** Lexer for Avenue.

**

** Written by Alexey Yutkin <yutkin@geol.msu.ru>.

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/** @file LexAVS.cxx

** Lexer for AviSynth.

**/

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// Heavily based on LexPOV by Neil Hodgson

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** Lexer for Baan.

** Based heavily on LexCPP.cxx

**/

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** Lexer for Bash.

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// Adapted from LexPerl by Kein-Hong Man 2004

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/** @file LexBasic.cxx

** Lexer for BlitzBasic and PureBasic.

** Converted to lexer object and added further folding features/properties by "Udo Lechner" <dlchnr(at)gmx(dot)net>

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/**

* @file LexBibTeX.cxx

* @brief General BibTeX coloring scheme.

* @author Sergiu Dotenco

* @date April 18, 2009

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** Lexer for Objective Caml.

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/** @file LexCIL.cxx

** Lexer for Common Intermediate Language

** Written by Jad Altahan (github.com/xv)

** CIL manual: https://www.ecma-international.org/publications/standards/Ecma-335.htm

**/

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** Lexer for Clarion.

** 2004/12/17 Updated Lexer

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** Lexer for Cmake

**/

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// based on the NSIS lexer

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/** @file LexCOBOL.cxx

** Lexer for COBOL

** Based on LexPascal.cxx

** Written by Laurent le Tynevez

** Updated by Simon Steele <s.steele@pnotepad.org> September 2002

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** Updated by Mathias Rauen <scite@madshi.net> May 2003 (Delphi adjustments)

** Updated by Rod Falck, Aug 2006 Converted to COBOL

**/

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/** @file LexCoffeeScript.cxx

** Lexer for CoffeeScript.

**/

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// Based on the Scintilla C++ Lexer

// Written by Eric Promislow <ericp@activestate.com> in 2011 for the Komodo IDE

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/** @file LexConf.cxx

** Lexer for Apache Configuration Files.

**

** First working version contributed by Ahmad Zawawi <ahmad.zawawi@gmail.com> on October 28, 2000.

** i created this lexer because i needed something pretty when dealing

** when Apache Configuration files...

**/

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/** @file LexCPP.cxx

** Lexer for C++, C, Java, and JavaScript.

** Further folding features and configuration properties added by "Udo Lechner" <dlchnr(at)gmx(dot)net>

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/** @file LexCrontab.cxx

** Lexer to use with extended crontab files used by a powerful

** Windows scheduler/event monitor/automation manager nnCron.

** (http://nemtsev.eserv.ru/)

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/** @file LexCsound.cxx

** Lexer for Csound (Orchestra & Score)

** Written by Georg Ritter - <ritterfuture A T gmail D O T com>

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/** @file LexCSS.cxx

** Lexer for Cascading Style Sheets

** Written by Jakub Vrána

** Improved by Philippe Lhoste (CSS2)

** Improved by Ross McKay (SCSS mode; see http://sass-lang.com/)

**/

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**

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/** @file LexDataflex.cxx

** Lexer for DataFlex.

** Based on LexPascal.cxx

** Written by Wil van Antwerpen, June 2019

**/

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** Lexer for diff results.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexDMAP.cxx

** Lexer for MSC Nastran DMAP.

** Written by Mark Robinson, based on the Fortran lexer by Chuan-jian Shen, Last changed Aug. 2013

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexDMIS.cxx

** Lexer for DMIS.

**/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

// Copyright 2013-2014 by Andreas Tscharner <andy@vis.ethz.ch>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexECL.cxx

** Lexer for ECL.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla Lexer for EDIFACT

// @file LexEDIFACT.cxx

// Written by Iain Clarke, IMCSoft & Inobiz AB.

// EDIFACT documented here: https://www.unece.org/cefact/edifact/welcome.html

// and more readably here: https://en.wikipedia.org/wiki/EDIFACT

// This code is subject to the same license terms as the rest of the scintilla project:

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexEiffel.cxx

** Lexer for Eiffel.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

// Encoding: UTF-8

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexErlang.cxx

** Lexer for Erlang.

** Enhanced by Etienne 'Lenain' Girondel (lenaing@gmail.com)

 Copyright © 1988, 2026, Oracle and/or its affiliates.

** Originally wrote by Peter-Henry Mander,

** based on Matlab lexer by José Fonseca.

**/

// Scintilla source code edit control

/** @file LexErrorList.cxx

** Lexer for error lists. Used for the output pane in SciTE.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexEScript.cxx

** Lexer for ESCRIPT

**/

// Copyright 2003 by Patrizio Bekerle (patrizio@bekerle.com)

// Scintilla source code edit control

/** @file LexFlagship.cxx

** Lexer for Harbour and FlagShip.

** (Syntactically compatible to other xBase dialects, like Clipper, dBase, Clip, FoxPro etc.)

**/

// Copyright 2005 by Randy Butler

// Copyright 2010 by Xavi <jarabal/at/gmail.com> (Harbour)

// Copyright 1998-2003 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexForth.cxx

** Lexer for FORTH

**/

// Copyright 1998-2003 by Neil Hodgson <neilh@scintilla.org>

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Copyright © 1988, 2026, Oracle and/or its affiliates.

// Scintilla source code edit control

/** @file LexFortran.cxx

** Lexer for Fortran.

** Written by Chuan-jian Shen, Last changed Sep. 2003

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/**

* @file LexFSharp.cxx

* Lexer for F# 5.0

* Copyright (c) 2021 Robert Di Pardo <dipardo.r@gmail.com>

* Parts of LexerFSharp::Lex were adapted from LexCaml.cxx by Robert Roessler ("RR").

* Parts of LexerFSharp::Fold were adapted from LexCPP.cxx by Neil Hodgson and Udo Lechner.

* The License.txt file describes the conditions under which this software may be distributed.

*/

// Scintilla source code edit control

/** @file LexGAP.cxx

** Lexer for the GAP language. (The GAP System for Computational Discrete Algebra)

** http://www.gap-system.org

**/

// Copyright 2007 by Istvan Szollosi (szteven <at> gmail <dot> com)

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla source code edit control

/** @file LexGDScript.cxx

** Lexer for GDScript.

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// Heavily modified later for GDScript

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// Scintilla source code edit control

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// @file LexGui4Cli.cxx

/*

This is the Lexer for Gui4Cli, included in SciLexer.dll

- by d. Keletsekis, 2/10/2003

* LexHaskell.cxx

*

* A haskell lexer for the scintilla code control.

* Some stuff "lended" from LexPython.cxx and LexCPP.cxx.

* External lexer stuff inspired from the caml external lexer.

* Folder copied from Python's.

*

* Written by Tobias Engvall - tumm at dtek dot chalmers dot se

*

* Several bug fixes by Krasimir Angelov - kr.angelov at gmail.com

*

* Improved by kudah <kudahkukarek@gmail.com>

/** @file LexHex.cxx

** Lexers for Motorola S-Record, Intel HEX and Tektronix extended HEX.

**

** Written by Markus Heidelberg

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexHollywood.cxx

** Lexer for Hollywood

** Written by Andreas Falkenhahn, based on the BlitzBasic/PureBasic/Lua lexers

** Thanks to Nicholai Benalal

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** For more information on Hollywood, see http://www.hollywood-mal.com/

** Mail me (andreas <at> airsoftsoftwair <dot> de) for any bugs.

** This code is subject to the same license terms as the rest of the Scintilla project:

** The License.txt file describes the conditions under which this software may be distributed.

**/

/** @file LexHTML.cxx

** Lexer for HTML.

**/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexIndent.cxx

** Lexer for no language. Used for indentation-based folding of files.

**/

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/** @file LexInno.cxx

** Lexer for Inno Setup scripts.

**/

// Written by Friedrich Vedder <fvedd@t-online.de>, using code from LexOthers.cxx.

// Modified by Michael Heath.

// The License.txt file describes the conditions under which this software may be distributed.

/**

* @file LexJSON.cxx

* @date February 19, 2016

* @brief Lexer for JSON and JSON-LD formats

* @author nkmathew

*

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* be distributed.

*

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*/

// Encoding: UTF-8

/** @file LexJulia.cxx

** Lexer for Julia.

** Reusing code from LexMatlab, LexPython and LexRust

**

** Written by Bertrand Lacoste

**

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexKix.cxx

** Lexer for KIX-Scripts.

**/

// Copyright 2004 by Manfred Becker <manfred@becker-trdf.de>

// The License.txt file describes the conditions under which this software may be distributed.

// Edited by Lee Wilmott (24-Jun-2014) added support for block comments

/** @file LexKVIrc.cxx

** Lexer for KVIrc script.

**/

// Copyright 2013 by OmegaPhil <OmegaPhil+scintilla@gmail.com>, based in

// part from LexPython Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// and LexCmake Copyright 2007 by Cristian Adam <cristian [dot] adam [at] gmx [dot] net>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexLaTeX.cxx

** Lexer for LaTeX2e.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Modified by G. HU in 2013. Added folding, syntax highting inside math environments, and changed some minor behaviors.

/** @file LexLisp.cxx

** Lexer for Lisp.

** Written by Alexey Yutkin.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

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/** @file LexLout.cxx

** Lexer for the Basser Lout (>= version 3) typesetting language

**/

// Copyright 2003 by Kein-Hong Man <mkh@pl.jaring.my>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexLua.cxx

** Lexer for Lua language.

**

** Written by Paul Winwood.

** Folder by Alexey Yutkin.

** Modified by Marcos E. Wurzius & Philippe Lhoste

**/

/**

* @file LexMagik.cxx

* Lexer for GE(r) Smallworld(tm) MagikSF

*/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexMake.cxx

** Lexer for make files.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

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* LexMarkdown.cxx

*

* A simple Markdown lexer for scintilla.

*

* Includes highlighting for some extra features from the

* Pandoc implementation; strikeout, using '#.' as a default

* ordered list item marker, and delimited code blocks.

*

*

* Written by Jon Strait - jstrait@moonloop.net

*

* The License.txt file describes the conditions under which this

* software may be distributed.

*

// Encoding: UTF-8

/** @file LexMatlab.cxx

** Lexer for Matlab.

** Written by José Fonseca

**

** Changes by Christoph Dalitz 2003/12/04:

** - added support for Octave

** - Strings can now be included both in single or double quotes

**

** Changes by John Donoghue 2012/04/02

** - added block comment (and nested block comments)

** - added ... displayed as a comment

** - removed unused IsAWord functions

** - added some comments

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```
**
** Changes by John Donoghue 2014/08/01
** - fix allowed transpose ' after {} operator
**
** Changes by John Donoghue 2016/11/15
** - update matlab code folding
**
** Changes by John Donoghue 2017/01/18
** - update matlab block comment detection
**
** Changes by Andrey Smolyakov 2022/04/15
** - add support for "arguments" block and class definition syntax
**/
// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>
// The License.txt file describes the conditions under which this software may be distributed.
/** @file LexMaxima.cxx
** Lexer for Maxima (http://maxima.sourceforge.net).
** Written by Gunter Königsmann based on the lisp lexer by Alexey Yutkin and Neil Hodgson .
**/
// Copyright 2018 by Gunter Königsmann <wxMaxima@physikbuch.de>
// The License.txt file describes the conditions under which this software may be distributed.
// @file LexMetapost.cxx - general context conformant metapost coloring scheme
// Author: Hans Hagen - PRAGMA ADE - Hasselt NL - www.pragma-ade.com
// Version: September 28, 2003
// Modified by instanton: July 10, 2007
// Folding based on keywordlists[]
// Copyright: 1998-2003 by Neil Hodgson <neilh@scintilla.org>
// The License.txt file describes the conditions under which this software may be distributed.
// Encoding: UTF-8
```

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/** @file LexMMIXAL.cxx

** Lexer for MMIX Assembler Language.

** Written by Christoph Hösler <christoph.hoesler@student.uni-tuebingen.de>

** For information about MMIX visit http://www-cs-faculty.stanford.edu/~knuth/mmix.html

**/

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/**

* @file LexModula.cxx

* @author Dariusz "DKnoto" Knociński

* @date 2011/02/03

* @brief Lexer for Modula-2/3 documents.

*/

// The License.txt file describes the conditions under which this software may

// be distributed.

/** @file LexMPT.cxx

** Lexer for MPT specific files. Based on LexOthers.cxx

** LOT = the text log file created by the MPT application while running a test program

** Other MPT specific files to be added later.

**/

// Copyright 2003 by Marius Gheorghe <mgheorghe@cabletest.com>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexMSSQL.cxx

** Lexer for MSSQL.

**/

// By Filip Yaghob <fyaghob@gmail.com>

// The License.txt file describes the conditions under which this software may be distributed.

* @file LexMySQL.cxx

* Lexer for MySQL

*

* Improved by Mike Lischke <mike.lischke@oracle.com>

* Adopted from LexSQL.cxx by Anders Karlsson <anders@mysql.com>

* Original work by Neil Hodgson <neilh@scintilla.org>

* Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

* The License.txt file describes the conditions under which this software may be distributed.

*/

/** @file LexNim.cxx

** Lexer for Nim

** Written by Jad Altahan (github.com/xv)

** Nim manual: https://nim-lang.org/docs/manual.html

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// Nimrod lexer

// (c) 2009 Andreas Rumpf

/** @file LexNimrod.cxx

** Lexer for Nimrod.

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexNsis.cxx

** Lexer for NSIS

**/

// Copyright 2003 - 2005 by Angelo Mandato <angelo [at] spaceblue [dot] com>

// Last Updated: 03/13/2005

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexNull.cxx

** Lexer for no language. Used for plain text and unrecognized files.

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**/

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/** @file LexOpal.cxx

** Lexer for OPAL (functional language similar to Haskell)

** Written by Sebastian Pipping <webmaster@hartwork.org>

**/

/** @file LexOScript.cxx

** Lexer for OScript sources; ocx files and/or OSpace dumps.

** OScript is a programming language used to develop applications for the

** Livelink server platform.

**/

// Written by Ferdinand Prantl <prantlf@gmail.com>, inspired by the code from

// LexVB.cxx and LexPascal.cxx. The License.txt file describes the conditions

// under which this software may be distributed.

/** @file LexPascal.cxx

** Lexer for Pascal.

** Written by Laurent le Tynevez

** Updated by Simon Steele <s.steele@pnotepad.org> September 2002

** Updated by Mathias Rauen <scite@madshi.net> May 2003 (Delphi adjustments)

** Completely rewritten by Marko Njezic <sf@maxempire.com> October 2008

**/

// @file LexPB.cxx

// Lexer for PowerBasic by Roland Walter, roland@rowalt.de (for PowerBasic see www.powerbasic.com)

//

// Copyright for Scintilla: 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexPerl.cxx

** Lexer for Perl.

** Converted to lexer object by "Udo Lechner" <dlchnr(at)gmx(dot)net>

**/

// Copyright 1998-2008 by Neil Hodgson <neilh@scintilla.org>

// Lexical analysis fixes by Kein-Hong Man <mkh@pl.jaring.my>

// The License.txt file describes the conditions under which this software may be distributed.

// @file LexPLM.cxx

// Author: Jason Haslam

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexPO.cxx

** Lexer for GetText Translation (PO) files.

**/

// Copyright 2012 by Colomban Wendling <ban@herbesfolles.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexPOV.cxx

** Lexer for POV-Ray SDL (Persistance of Vision Raytracer, Scene Description Language).

** Written by Philippe Lhoste but this is mostly a derivative of LexCPP...

**/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

// @file LexPowerPro.cxx

// PowerPro utility, written by Bruce Switzer, is available from http://powerpro.webeddie.com

// PowerPro lexer is written by Christopher Bean (cbean@cb-software.net)

//

// Lexer code heavily borrowed from:

// LexAU3.cxx by Jos van der Zande

// LexCPP.cxx by Neil Hodgson

// LexVB.cxx by Neil Hodgson

//

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

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/** @file LexPowerShell.cxx

** Lexer for PowerShell scripts.

**/

// Copyright 2008 by Tim Gerundt <tim@gerundt.de>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexProgress.cxx

** Lexer for Progress 4GL.

** Based on LexCPP.cxx of Neil Hodgson <neilh@scintilla.org>

**/

// Copyright 2006-2016 by Yuval Papish <Yuval@YuvCom.com>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexProps.cxx

** Lexer for properties files.

**/

// Copyright 1998-2001 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexPS.cxx

** Lexer for PostScript

**

** Written by Nigel Hathaway <nigel@bprj.co.uk>.

** The License.txt file describes the conditions under which this software may be distributed.

**/

/** @file LexPython.cxx

** Lexer for Python.

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexR.cxx

** Lexer for R, S, SPlus Statistics Program (Heavily derived from CPP Lexer).

**

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexRaku.cxx

** Lexer for Raku

**

** Copyright (c) 2019 Mark Reay <mark@reay.net.au>

**/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

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/** @file LexRebol.cxx

** Lexer for REBOL.

** Written by Pascal Hurni, inspired from LexLua by Paul Winwood & Marcos E. Wurzius & Philippe Lhoste

**

** History:

** 2005-04-07 First release.

** 2005-04-10 Closing parens and brackets go now in default style

** String and comment nesting should be more safe

**/

// Copyright 2005 by Pascal Hurni <pascal_hurni@fastmail.fm>

// The License.txt file describes the conditions under which this software may be distributed.

/**

* @file LexRegistry.cxx

* @date July 26 2014

* @brief Lexer for Windows registration files(.reg)

* @author nkmathew

*

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* distributed.

*

*/

/** @file LexRuby.cxx

** Lexer for Ruby.

**/

// Copyright 2001- by Clemens Wyss <wys@helbling.ch>

// The License.txt file describes the conditions under which this software may be distributed.

** Lexer for Rust.

**

** Copyright (c) 2013 by SiegeLord <slabode@aim.com>

** Converted to lexer object and added further folding features/properties by "Udo Lechner" <dlchnr(at)gmx(dot)net>

**/

// Copyright 1998-2005 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/** @file LexSAS.cxx

** Lexer for SAS

**/

// Author: Luke Rasmussen (luke.rasmussen@gmail.com)

//

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// be distributed.

/** @file LexSmalltalk.cxx

** Lexer for Smalltalk language.

** Written by Sergey Philippov, sphilippov-at-gmail-dot-com

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

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/** @file LexSML.cxx

** Lexer for SML.

**/

// Copyright 2009 by James Moffatt and Yuzhou Xin

// Modified from LexCaml.cxx by Robert Roessler <robertr@rftp.com> Copyright 2005

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// Scintilla source code edit control

/** @file LexSorcus.cxx

** Lexer for SORCUS installation files

** Written by Eugen Bitter and Christoph Baumann at SORCUS Computer, Heidelberg Germany

** Based on the ASM Lexer by The Black Horus

**/

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// Scintilla source code edit control

/** @file LexSpecman.cxx

** Lexer for Specman E language.

** Written by Avi Yegudin, based on C++ lexer by Neil Hodgson

**/

// Copyright 1998-2002 by Neil Hodgson <neilh@scintilla.org>

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// Scintilla source code edit control

/** @file LexSpice.cxx

** Lexer for Spice

**/

// Copyright 2006 by Fabien Proriol

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//-*- coding: utf-8 -*-

// Scintilla source code edit control

/** @file LexSQL.cxx

 Copyright © 1988, 2026, Oracle and/or its affiliates.

** Lexer for SQL, including PL/SQL and SQL*Plus.

** Improved by Jérôme LAFORGE <jerome.laforge_AT_gmail_DOT_com> from 2010 to 2012.

**/

// Copyright 1998-2012 by Neil Hodgson <neilh@scintilla.org>

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// Scintilla source code edit control

/** @file LexStata.cxx

** Lexer for Stata

**/

// Author: Luke Rasmussen (luke.rasmussen@gmail.com)

//

// The License.txt file describes the conditions under which this software may

// be distributed.

//

// Developed as part of the StatTag project at Northwestern University Feinberg

// School of Medicine with funding from Northwestern University Clinical and

// Translational Sciences Institute through CTSA grant UL1TR001422. This work

// has not been reviewed or endorsed by NCATS or the NIH.

// Scintilla source code edit control

/** @file LexSTTXT.cxx

** Lexer for Structured Text language.

** Written by Pavel Bulochkin

**/

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// Scintilla source code edit control

/** @file LexTACL.cxx

** Lexer for TACL

** Based on LexPascal.cxx

** Written by Laurent le Tynevez

Copyright © 1988, 2026, Oracle and/or its affiliates.

** Updated by Simon Steele <s.steele@pnotepad.org> September 2002

** Updated by Mathias Rauen <scite@madshi.net> May 2003 (Delphi adjustments)

** Updated by Rod Falck, Aug 2006 Converted to TACL

**/

// Scintilla source code edit control

/** @file LexTADS3.cxx

** Lexer for TADS3.

**/

// Copyright 1998-2006 by Neil Hodgson <neilh@scintilla.org>

// The License.txt file describes the conditions under which this software may be distributed.

/*

* TADS3 is a language designed by Michael J. Roberts for the writing of text

* based games. TADS comes from Text Adventure Development System. It has good

* support for the processing and outputting of formatted text and much of a

* TADS program listing consists of strings.

*

* TADS has two types of strings, those enclosed in single quotes (') and those

* enclosed in double quotes ("). These strings have different symantics and

* can be given different highlighting if desired.

*

* There can be embedded within both types of strings html tags

* (<tag key=value>), library directives (<.directive>), and message

* parameters ({The doctor's/his}).

*

* Double quoted strings can also contain interpolated expressions

* (<< rug.moved ? ' and a hole in the floor. ' : nil >>). These expressions

* may themselves contain single or double quoted strings, although the double

* quoted strings may not contain interpolated expressions.

*

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* These embedded constructs influence the output and formatting and are an

* important part of a program and require highlighting.

*

* LINKS

* http://www.tads.org/

*/

// Scintilla source code edit control

/** @file LexTAL.cxx

** Lexer for TAL

** Based on LexPascal.cxx

** Written by Laurent le Tynevez

** Updated by Simon Steele <s.steele@pnotepad.org> September 2002

** Updated by Mathias Rauen <scite@madshi.net> May 2003 (Delphi adjustments)

** Updated by Rod Falck, Aug 2006 Converted to TAL

**/

// Scintilla source code edit control

/** @file LexTCL.cxx

** Lexer for TCL language.

**/

// Copyright 1998-2001 by Andre Arpin <arpin@kingston.net>

// The License.txt file describes the conditions under which this software may be distributed.

// Scintilla\ source code edit control

/** @file LexTCMD.cxx

** Lexer for Take Command / TCC batch scripts (.bat, .btm, .cmd).

**/

// Written by Rex Conn (rconn [at] jpsoft [dot] com)

// based on the CMD lexer

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// Scintilla source code edit control

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// @file LexTeX.cxx - general context conformant tex coloring scheme

// Author: Hans Hagen - PRAGMA ADE - Hasselt NL - www.pragma-ade.com

// Version: September 28, 2003

// Copyright: 1998-2003 by Neil Hodgson <neilh@scintilla.org>

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// This lexer is derived from the one written for the texwork environment (1999++) which in

// turn is inspired on texedit (1991++) which finds its roots in wdt (1986).

// If you run into strange boundary cases, just tell me and I'll look into it.

// TeX Folding code added by instanton (soft_share@126.com) with borrowed code from VisualTeX source by Alex Romanenko.

// Version: June 22, 2007

/**

* LexTxt2tags.cxx

*

* A simple Txt2tags lexer for scintilla.

*

*

* Adapted by Eric Forgeot

* Based on the LexMarkdown.cxx by Jon Strait - jstrait@moonloop.net

*

* What could be improved:

* - Verbatim lines could be like for raw lines : when there is no space between the ``` and the following text, the first letter should be colored so the user would understand there must be a space for a valid tag.

* - marks such as bold, italic, strikeout, underline should begin to be highlighted only when they are closed and valid.

* - verbatim and raw area should be highlighted too.

*

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/** @file LexVB.cxx

** Lexer for Visual Basic and VBScript.

**/

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/** @file LexVerilog.cxx

** Lexer for Verilog.

** Written by Avi Yegudin, based on C++ lexer by Neil Hodgson

**/

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// Scintilla source code edit control

/** @file LexVHDL.cxx

** Lexer for VHDL

** Written by Phil Reid,

** Based on:

** - The Verilog Lexer by Avi Yegudin

** - The Fortran Lexer by Chuan-jian Shen

** - The C++ lexer by Neil Hodgson

**/

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/** @file LexVisualProlog.cxx

** Lexer for Visual Prolog.

**/

// Author Thomas Linder Puls, Prolog Development Denter A/S, http://www.visual-prolog.com

// Based on Lexer for C++, C, Java, and JavaScript.

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// Scintilla Lexer for X12

// @file LexX12.cxx

// Written by Iain Clarke, IMCSoft & Inobiz AB.

// X12 official documentation is behind a paywall, but there's a description of the syntax here:

// http://www.rawlinsecconsulting.com/x12tutorial/x12syn.html

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/** @file LexYAML.cxx

** Lexer for YAML.

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```

### AUTHORS File Information

```

libffi was originally written by Anthony Green <green@moxielogic.com>.

The developers of the GNU Compiler Collection project have made
innumerable valuable contributions. See the ChangeLog file for
details.

Some of the ideas behind libffi were inspired by Gianni Mariani's free
gencall library for Silicon Graphics machines.

The closure mechanism was designed and implemented by Kresten Krab
Thorup.

Major processor architecture ports were contributed by the following
developers:

aarch64 Marcus Shawcroft, James Greenhalgh

x86 Anthony Green, Jon Beniston

x86-64 Bo Thorsen

Jesper Skov and Andrew Haley both did more than their fair share of
stepping through the code and tracking down bugs.

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configuration help.

Thanks to Jim Blandy, who provided some useful feedback on the libffi
interface.

Alex Oliva solved the executable page problem for SElinux.

```

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PRESUBMIT.py

infra/common.sh

infra/compile.sh

infra/compile_android.sh

infra/compile_js.sh

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Speed-critical functions for Sharp YUV.

Files:

imageio/image_enc.h

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All-in-one library to save PNG/JPEG/WebP/TIFF/WIC images.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/cost_sse2.c

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SSE2 version of cost functions

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/dec_clip_tables.c

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Clipping tables for filtering

Author: Skal (pascal.massimino@gmail.com)

Files:

src/webp/format_constants.h

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Internal header for constants related to WebP file format.

Author: Urvang (urvang@google.com)

Files:

src/dsp/cost_mips32.c

src/dsp/cost_mips_dsp_r2.c

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Author: Djordje Pesut (djordje.pesut@imgtec.com)

Files:

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Files:

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Spatial prediction using various filters

Author: Urvang (urvang@google.com)

Files:

src/utils/bit_writer_utils.c

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Bit writing and boolean coder

Author: Skal (pascal.massimino@gmail.com)

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Vikas Arora (vikaas.arora@gmail.com)

Files:

src/enc/alpha_enc.c

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Alpha-plane compression.

Author: Skal (pascal.massimino@gmail.com)

Files:

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RIFF container manipulation and encoding for WebP images.

Authors: Urvang (urvang@google.com)

Vikas (vikasa@google.com)

Files:

sharpyuv/sharpyuv_csp.c

sharpyuv/sharpyuv_csp.h

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Colorspace utilities.

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SSE2 Rescaling functions

Author: Skal (pascal.massimino@gmail.com)

Files:

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VP8 decoder: internal header.

Author: Skal (pascal.massimino@gmail.com)

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src/dec/quant_dec.c

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Quantizer initialization

Author: Skal (pascal.massimino@gmail.com)

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Header syntax writing

Author: Skal (pascal.massimino@gmail.com)

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Spatial prediction using various filters
Author(s): Branimir Vasic (branimir.vasic@imgtec.com)
Djordje Pesut (djordje.pesut@imgtec.com)
Files:
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Internal header for animation related functions.
Author: Hui Su (huisu@google.com)
Files:
src/dsp/upsampling_mips_dsp_r2.c
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YUV to RGB upsampling functions.
Author(s): Branimir Vasic (branimir.vasic@imgtec.com)
Djordje Pesut (djordje.pesut@imgtec.com)
Files:
src/utils/utils.h
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Misc. common utility functions
Authors: Skal (pascal.massimino@gmail.com)
Urvang (urvang@google.com)
Files:
tests/fuzzer/animdecoder_fuzzer.cc
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examples/anim_diff.c

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Checks if given pair of animated GIF/WebP images are identical:

That is: their reconstructed canvases match pixel-by-pixel and their other

animation properties (loop count etc) also match.

example: anim_diff foo.gif bar.webp

Files:

src/dec/vp8l_dec.c

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---

main entry for the decoder

Authors: Vikas Arora (vikaas.arora@gmail.com)

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Jyrki Alakuijala (jyrki@google.com)

Files:

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Internal header for mux library.

Author: Urvang (urvang@google.com)

Files:

src/utils/bit_writer_utils.h

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Bit writing and boolean coder

Author: Skal (pascal.massimino@gmail.com)

Files:

src/utils/color_cache_utils.h

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Color Cache for WebP Lossless

Authors: Jyrki Alakuijala (jyrki@google.com)

Urvang Joshi (urvang@google.com)

Files:

tests/fuzzer/advanced_api_fuzzer.c

tests/fuzzer/animation_api_fuzzer.c

tests/fuzzer/animencoder_fuzzer.cc

tests/fuzzer/enc_dec_fuzzer.cc

tests/fuzzer/fuzz_utils.h

tests/fuzzer/img_alpha.h

tests/fuzzer/img_grid.h

tests/fuzzer/img_peak.h

tests/fuzzer/mux_demux_api_fuzzer.c

tests/fuzzer/simple_api_fuzzer.c

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src/utils/bit_reader_utils.h

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Boolean decoder

Author: Skal (pascal.massimino@gmail.com)

Vikas Arora (vikaas.arora@gmail.com)

Files:

src/dsp/alpha_processing_mips_dsp_r2.c

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Utilities for processing transparent channel.

Author(s): Branimir Vasic (branimir.vasic@imgtec.com)

Djordje Pesut (djordje.pesut@imgtec.com)

Files:

imageio/wicdec.c

imageio/wicdec.h

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Windows Imaging Component (WIC) decode.

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Speed-critical decoding functions, default plain-C implementations.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_mips_dsp_r2.c

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Image transforms and color space conversion methods for lossless decoder.

Author(s): Djordje Pesut (djordje.pesut@imgtec.com)

Jovan Zelincevic (jovan.zelincevic@imgtec.com)

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src/dsp/filters_neon.c

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NEON variant of alpha filters

Author: Skal (pascal.massimino@gmail.com)

Files:

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main entry for the lossless encoder.

Author: Vikas Arora (vikaas.arora@gmail.com)

Files:

src/dsp/lossless_msa.c

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MSA variant of methods for lossless decoder

Author: Prashant Patil (prashant.patil@imgtec.com)

Files:

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Speed-critical encoding functions.

Author: Skal (pascal.massimino@gmail.com)

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Author: Skal (pascal.massimino@gmail.com)

Files:

src/utils/quant_levels_dec_utils.c

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Implement gradient smoothing: we replace a current alpha value by its
surrounding average if it's close enough (that is: the change will be less
than the minimum distance between two quantized level).
We use sliding window for computing the 2d moving average.
Author: Skal (pascal.massimino@gmail.com)
Files:
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Alpha-plane decompression.
Author: Skal (pascal.massimino@gmail.com)
Files:
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Demux API.

Enables extraction of image and extended format data from WebP files.

Files:

extras/get_disto.c

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Simple tool to load two webp/png/jpg/tiff files and compute PSNR/SSIM.

This is mostly a wrapper around WebPPictureDistortion().

Files:

src/dsp/upsampling_sse41.c

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SSE41 version of YUV to RGB upsampling functions.

Author: somnath@google.com (Somnath Banerjee)

Files:

sharpyuv/sharpyuv_cpu.c

sharpyuv/sharpyuv_cpu.h

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constitute direct or contributory patent infringement, or inducement of
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for these implementations of WebM shall terminate as of the date such
litigation is filed.

Files:

imageio/image_dec.h

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All-in-one library to decode PNG/JPEG/WebP/TIFF/WIC input images.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless.c

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Image transforms and color space conversion methods for lossless decoder.

Authors: Vikas Arora (vikaas.arora@gmail.com)

Jyrki Alakuijala (jyrki@google.com)

Urvang Joshi (urvang@google.com)

Files:

src/dsp/yuv_sse2.c

src/dsp/yuv_sse41.c

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YUV->RGB conversion functions

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_common.h

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Image transforms and color space conversion methods for lossless decoder.

Authors: Vikas Arora (vikaas.arora@gmail.com)

Jyrki Alakuijala (jyrki@google.com)

Vincent Rabaud (vrabaud@google.com)

Files:

src/dsp/rescaler_msa.c

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MSA version of rescaling functions

Author: Prashant Patil (prashant.patil@imgtec.com)

Files:

src/mux/anim_encode.c

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AnimEncoder implementation.

Files:

src/utils/huffman_utils.c

src/utils/huffman_utils.h

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Utilities for building and looking up Huffman trees.

Author: Urvang Joshi (urvang@google.com)

Files:

src/dsp/lossless_enc_mips_dsp_r2.c

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Image transform methods for lossless encoder.

Author(s): Djordje Pesut (djordje.pesut@imgtec.com)

Jovan Zelincevic (jovan.zelincevic@imgtec.com)

Files:

src/utils/thread_utils.c

src/utils/thread_utils.h

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Multi-threaded worker

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/image_dec.c

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Generic image-type guessing.

Files:

src/utils/color_cache_utils.c

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Color Cache for WebP Lossless

Author: Jyrki Alakuijala (jyrki@google.com)

Files:

src/dec/vp8li_dec.h

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Lossless decoder: internal header.

Author: Skal (pascal.massimino@gmail.com)

Vikas Arora(vikaas.arora@gmail.com)

Files:

src/dsp/dec_neon.c

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ARM NEON version of dsp functions and loop filtering.

Authors: Somnath Banerjee (somnath@google.com)

Johann Koenig (johannkoenig@google.com)

Files:

src/dsp/quant.h

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SSE2 version of distortion calculation

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dec/common_dec.h

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Definitions and macros common to encoding and decoding
Author: Skal (pascal.massimino@gmail.com)
Files:
src/dsp/yuv.h
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Files:
examples/unicode_gif.h
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---

giflib doesn't have a Unicode DGifOpenFileName(). Let's make one.
Author: Yannis Guyon (yguyon@google.com)
Files:
src/dec/webpi_dec.h
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Internal header: WebP decoding parameters and custom IO on buffer

Author: somnath@google.com (Somnath Banerjee)

Files:

examples/img2webp.c

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---

generate an animated WebP out of a sequence of images
(PNG, JPEG, ...)
Example usage:
img2webp -o out.webp -q 40 -mixed -duration 40 input??.png

Author: skal@google.com (Pascal Massimino)

Files:

src/webp/mux_types.h

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Data-types common to the mux and demux libraries.

Author: Urvang (urvang@google.com)

Files:

src/dsp/enc_neon.c

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ARM NEON version of speed-critical encoding functions.

adapted from libvpx (https://www.webmproject.org/code/)

Files:

src/enc/picture_tools_enc.c

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WebPPicture tools: alpha handling, etc.

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/pnmdec.h

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partial PNM format decoder (ppm/pgm)

Files:

src/dsp/dsp.h

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Speed-critical functions.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/enc/histogram_enc.h

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Author: Jyrki Alakuijala (jyrki@google.com)

Models the histograms of literal and distance codes.

Files:

src/utils/quant_levels_dec_utils.h

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Alpha plane de-quantization utility

Author: Vikas Arora (vikasa@google.com)

Files:

src/utils/huffman_encode_utils.h

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Author: Jyrki Alakuijala (jyrki@google.com)

Entropy encoding (Huffman) for webp lossless

Files:

imageio/imageio_util.c

imageio/imageio_util.h

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Utility functions used by the image decoders.

Files:

src/enc/picture_csp_enc.c

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WebPPicture utils for colorspace conversion

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/cwebp.c

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---

simple command line calling the WebPEncode function.
Encodes a raw .YUV into WebP bitstream

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dec/io_dec.c

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---

functions for sample output.

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/dwebp.c

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Command-line tool for decoding a WebP image.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/enc/backward_references_cost_enc.c

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Improves a given set of backward references by analyzing its bit cost.

The algorithm is similar to the Zopfli compression algorithm but tailored to

images.

Author: Vincent Rabaud (vrabaud@google.com)

Files:

src/enc/filter_enc.c

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Selecting filter level

Author: somnath@google.com (Somnath Banerjee)

Files:

src/enc/config_enc.c

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Coding tools configuration

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/webpdec.c

imageio/webpdec.h

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WebP decode.

Files:

src/dsp/lossless_neon.c

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NEON variant of methods for lossless decoder

Author: Skal (pascal.massimino@gmail.com)

Files:

sharpyuv/sharpyuv_gamma.c

sharpyuv/sharpyuv_gamma.h

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Gamma correction utilities.

Files:

src/dsp/dec_msa.c

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MSA version of dsp functions

Author(s): Prashant Patil (prashant.patil@imgtec.com)

Files:

imageio/tiffdec.c

imageio/tiffdec.h

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TIFF decode.

Files:

src/webp/decode.h

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Main decoding functions for WebP images.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dec/vp8_dec.h

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Low-level API for VP8 decoder

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/gifdec.h

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GIF decode.

Files:

ltmain.sh

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Files:

src/dsp/lossless.h

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Image transforms and color space conversion methods for lossless decoder.

Authors: Vikas Arora (vikaas.arora@gmail.com)

Jyrki Alakuijala (jyrki@google.com)

Files:

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MIPS common macros

Files:

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NEON version of rescaling functions
Author: Skal (pascal.massimino@gmail.com)
Files:
src/dsp/msa_macro.h
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MSA common macros
Author(s): Prashant Patil (prashant.patil@imgtec.com)
Files:
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Frame-reconstruction function. Memory allocation.
Author: Skal (pascal.massimino@gmail.com)
Files:

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src/dsp/yuv_mips32.c

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MIPS version of YUV to RGB upsampling functions.

Author(s): Djordje Pesut (djordje.pesut@imgtec.com)

Jovan Zelincevic (jovan.zelincevic@imgtec.com)

Files:

src/enc/iterator_enc.c

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VP8Iterator: block iterator

Author: Skal (pascal.massimino@gmail.com)

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src/dsp/enc_msa.c

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MSA version of encoder dsp functions.

Author: Prashant Patil (prashant.patil@imgtec.com)

Files:

src/utils/bit_reader_utils.c

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Boolean decoder non-inlined methods

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/gif2webp.c

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---

simple tool to convert animated GIFs to WebP

Authors: Skal (pascal.massimino@gmail.com)

Urvang (urvang@google.com)

Files:

extras/webp_to_sdl.c

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extras/webp_to_sdl.h

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be found in the AUTHORS file in the root of the source tree.

Simple WebP-to-SDL wrapper. Useful for emscripten.

Author: James Zern (jzern@google.com)

Files:

src/enc/picture_psnr_enc.c

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WebPPicture tools for measuring distortion

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/enc_sse41.c

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SSE4 version of some encoding functions.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/yuv_neon.c

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YUV->RGB conversion functions

Author: Skal (pascal.massimino@gmail.com)

Files:

src/utils/utils.c

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Misc. common utility functions

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/anim_dump.c

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Decodes an animated WebP file and dumps the decoded frames as PNG or TIFF.
Author: Skal (pascal.massimino@gmail.com)
Files:
src/dsp/ssim.c
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---

distortion calculation
Author: Skal (pascal.massimino@gmail.com)
Files:
src/demux/demux.c
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WebP container demux.
Files:

src/dsp/filters_msa.c

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MSA variant of alpha filters

Author: Prashant Patil (prashant.patil@imgtec.com)

Files:

src/dec/vp8_dec.c

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---

main entry for the decoder

Author: Skal (pascal.massimino@gmail.com)

Files:

src/enc/cost_enc.c

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Cost tables for level and modes

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/pnmdec.c

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(limited) PNM decoder

Files:

src/dec/buffer_dec.c

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Everything about WebPDecBuffer

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/rescaler_mips32.c

src/dsp/rescaler_mips_dsp_r2.c

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MIPS version of rescaling functions
Author(s): Djordje Pesut (djordje.pesut@imgtec.com)
Files:
src/dsp/alpha_processing_sse2.c
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be found in the AUTHORS file in the root of the source tree.

Utilities for processing transparent channel.
Author: Skal (pascal.massimino@gmail.com)
Files:
extras/vwebp_sdl.c
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Simple SDL-based WebP file viewer.
Does not support animation, just static images.

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Press 'q' to exit.

Author: James Zern (jzern@google.com)

Files:

src/dsp/lossless_sse2.c

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SSE2 variant of methods for lossless decoder

Author: Skal (pascal.massimino@gmail.com)

Files:

src/webp/types.h

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Common types + memory wrappers

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_enc_msa.c

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MSA variant of Image transform methods for lossless encoder.
Authors: Prashant Patil (Prashant.Patil@imgtec.com)
Files:
src/webp/encode.h
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WebP encoder: main interface
Author: Skal (pascal.massimino@gmail.com)
Files:
imageio/image_enc.c
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Save image
Files:
examples/gifdec.c

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GIF decode.

Files:

src/mux/muxinternal.c

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Internal objects and utils for mux.

Authors: Urvang (urvang@google.com)

Vikas (vikasa@google.com)

Files:

examples/webpinfo.c

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Command-line tool to print out the chunk level structure of WebP files

along with basic integrity checks.

Author: Hui Su (huisu@google.com)

Files:

src/dsp/common_sse41.h

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SSE4 code common to several files.

Author: Vincent Rabaud (vrabaud@google.com)

Files:

src/enc/analysis_enc.c

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Macroblock analysis

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/yuv_mips_dsp_r2.c

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MIPS DSPr2 version of YUV to RGB upsampling functions.
Author(s): Branimir Vasic (branimir.vasic@imgtec.com)
Djordje Pesut (djordje.pesut@imgtec.com)
Files:
src/enc/token_enc.c
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Paginated token buffer
A 'token' is a bit value associated with a probability, either fixed
or a later-to-be-determined after statistics have been collected.
For dynamic probability, we just record the slot id (idx) for the probability
value in the final probability array (uint8_t* probas in VP8EmitTokens).
Author: Skal (pascal.massimino@gmail.com)
Files:
src/utils/quant_levels_utils.h
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Alpha plane quantization utility
Author: Vikas Arora (vikasa@google.com)
Files:
sharpyuv/sharpyuv_dsp.c
sharpyuv/sharpyuv_neon.c
sharpyuv/sharpyuv_sse2.c
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Speed-critical functions for Sharp YUV.
Author: Skal (pascal.massimino@gmail.com)
Files:
src/dsp/upsampling.c
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YUV to RGB upsampling functions.
Author: somnath@google.com (Somnath Banerjee)

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Files:

src/dec/idec_dec.c

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Incremental decoding

Author: somnath@google.com (Somnath Banerjee)

Files:

src/dsp/dec_mips32.c

src/dsp/dec_mips_dsp_r2.c

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MIPS version of dsp functions

Author(s): Djordje Pesut (djordje.pesut@imgtec.com)

Jovan Zelincevic (jovan.zelincevic@imgtec.com)

Files:

src/enc/picture_rescale_enc.c

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WebPPicture tools: copy, crop, rescaling and view.
Author: Skal (pascal.massimino@gmail.com)
Files:
examples/stopwatch.h
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Helper functions to measure elapsed time.
Author: Mikolaj Zalewski (mikolajz@google.com)
Files:
src/enc/vp8li_enc.h
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Lossless encoder: internal header.
Author: Vikas Arora (vikaas.arora@gmail.com)
Files:

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examples/webpmux.c

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Simple command-line to create a WebP container file and to extract or strip

relevant data from the container file.

Authors: Vikas (vikaas.arora@gmail.com),

Urvang (urvang@google.com)

Files:

src/dsp/cpu.c

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CPU detection

Author: Christian Duvivier (cduvivier@google.com)

Files:

src/dsp/common_sse2.h

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SSE2 code common to several files.

Author: Vincent Rabaud (vrabaud@google.com)

Files:

src/enc/quant_enc.c

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Quantization

Author: Skal (pascal.massimino@gmail.com)

Files:

extras/extras.c

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Additional WebP utilities.

Files:

src/utils/quant_levels_utils.c

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Quantize levels for specified number of quantization-levels ([2, 256]).
Min and max values are preserved (usual 0 and 255 for alpha plane).
Author: Skal (pascal.massimino@gmail.com)
Files:
src/enc/cost_enc.h
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Cost tables for level and modes.
Author: Skal (pascal.massimino@gmail.com)
Files:
src/enc/near_lossless_enc.c
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Near-lossless image preprocessing adjusts pixel values to help
compressibility with a guarantee of maximum deviation between original and
resulting pixel values.
Author: Jyrki Alakuijala (jyrki@google.com)
Converted to C by Aleksander Kramarz (akramarz@google.com)
Files:
src/utils/bit_reader_inl_utils.h
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Specific inlined methods for boolean decoder [VP8GetBit() ...]
This file should be included by the .c sources that actually need to call
these methods.
Author: Skal (pascal.massimino@gmail.com)
Files:
examples/example_util.c
examples/example_util.h
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Utility functions used by the example programs.

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Files:

src/utils/huffman_encode_utils.c

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Author: Jyrki Alakuijala (jyrki@google.com)

Entropy encoding (Huffman) for webp lossless.

Files:

src/dsp/upsampling_neon.c

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NEON version of YUV to RGB upsampling functions.

Author: mans@mansr.com (Mans Rullgard)

Based on SSE code by: somnath@google.com (Somnath Banerjee)

Files:

src/dsp/neon.h

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NEON common code.

Files:

src/dsp/dec_sse2.c

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SSE2 version of some decoding functions (idct, loop filtering).

Author: somnath@google.com (Somnath Banerjee)
cduvivier@google.com (Christian Duvivier)

Files:

src/utils/filters_utils.c

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---

filter estimation

Author: Urvang (urvang@google.com)

Files:

ltmain.sh

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You should have received a copy of the GNU General Public License
along with this program. If not, see http://www.gnu.org/licenses/.
Files:
src/dsp/lossless_enc_mips32.c
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MIPS version of lossless functions
Author(s): Djordje Pesut (djordje.pesut@imgtec.com)
Jovan Zelincevic (jovan.zelincevic@imgtec.com)
Files:
src/utils/random_utils.c
src/utils/random_utils.h

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Pseudo-random utilities

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/alpha_processing_neon.c

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Utilities for processing transparent channel, NEON version.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/enc_mips32.c

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MIPS version of speed-critical encoding functions.

Author(s): Djordje Pesut (djordje.pesut@imgtec.com)

Jovan Zelincevic (jovan.zelincevic@imgtec.com)

Slobodan Prijic (slobodan.prijic@imgtec.com)

Files:

src/enc/vp8i_enc.h

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WebP encoder: internal header.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/filters_sse2.c

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SSE2 variant of alpha filters

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_enc_sse41.c

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SSE4.1 variant of methods for lossless encoder
Author: Skal (pascal.massimino@gmail.com)
Files:
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Image transform methods for lossless encoder.
Authors: Vikas Arora (vikaas.arora@gmail.com)
Jyrki Alakuijala (jyrki@google.com)
Urvang Joshi (urvang@google.com)
Vincent Rabaud (vrabaud@google.com)
Files:
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VP8EstimateQuality(): rough encoding quality estimate

Author: Skal (pascal.massimino@gmail.com)

Files:

examples/anim_util.c

examples/anim_util.h

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Utilities for animated images

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MSA version of YUV to RGB upsampling functions.
Author: Prashant Patil (prashant.patil@imgtec.com)
Files:
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SSE2 variant of methods for lossless encoder
Author: Skal (pascal.massimino@gmail.com)
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libwebp swig interface definition
Author: James Zern (jzern@google.com)
Files:

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src/utils/rescaler_utils.c

src/utils/rescaler_utils.h

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Rescaling functions

Author: Skal (pascal.massimino@gmail.com)

Files:

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AnimDecoder implementation.

Files:

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src/enc/backward_references_enc.h

src/enc/histogram_enc.c

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Author: Jyrki Alakuijala (jyrki@google.com)

Files:

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Coding of token probabilities, intra modes and segments.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/cost_neon.c

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ARM NEON version of cost functions

Files:

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WebPPicture class basis

Author: Skal (pascal.massimino@gmail.com)

Files:

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Main decoding functions for WEBP images.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_enc.c

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Image transform methods for lossless encoder.

Authors: Vikas Arora (vikaas.arora@gmail.com)

Jyrki Alakuijala (jyrki@google.com)

Urvang Joshi (urvang@google.com)

Files:

imageio/pngdec.c

imageio/pngdec.h

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PNG decode.

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Coding trees and probas

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/lossless_sse41.c

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SSE41 variant of methods for lossless decoder

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MIPS version of speed-critical encoding functions.

Author(s): Darko Laus (darko.laus@imgtec.com)

Mirko Raus (mirko.raus@imgtec.com)

Files:

ltmain.sh

func_version

Echo version message to standard output and exit.

The version message is extracted from the calling file's header
comments, with leading '# ' stripped:

1. First display the progname and version

2. Followed by the header comment line matching /^# Written by /

3. Then a blank line followed by the first following line matching
/^# Copyright /

4. Immediately followed by any lines between the previous matches,

except lines preceding the intervening completely blank line.

For example, see the header comments of this file.

Files:

sharpyuv/sharpyuv.h

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Sharp RGB to YUV conversion.

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YUV->RGB conversion functions

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/cpu.h

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CPU detection functions and macros.

Author: Skal (pascal.massimino@gmail.com)

Files:

sharpyuv/sharpyuv.c

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Sharp RGB to YUV conversion.

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/upsampling_sse2.c

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SSE2 version of YUV to RGB upsampling functions.

Author: somnath@google.com (Somnath Banerjee)

Files:

src/utils/endian_inl_utils.h

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Endian related functions.

Files:

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Simple OpenGL-based WebP file viewer.

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/jpegdec.c

imageio/jpegdec.h

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JPEG decode.

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Utilities for processing transparent channel, SSE4.1 variant.

Author: Skal (pascal.massimino@gmail.com)

Files:

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WebP encoder: main entry point

Author: Skal (pascal.massimino@gmail.com)

Files:

imageio/metadata.c

imageio/metadata.h

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Metadata types and functions.

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Files:

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frame coding and analysis

Author: Skal (pascal.massimino@gmail.com)

Files:

src/dsp/dec_sse41.c

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SSE4 version of some decoding functions.

Author: Skal (pascal.massimino@gmail.com)

Files:

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Alpha decoder: internal header.

Author: Urvang (urvang@google.com)

Files:

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Utilities for processing transparent channel.

Author: Skal (pascal.massimino@gmail.com)

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Set and delete APIs for mux.

Authors: Urvang (urvang@google.com)

Vikas (vikasa@google.com)

Files:

ltmain.sh

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Unicode support for Windows. The main idea is to maintain an array of Unicode

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arguments (wargv) and use it only for file paths. The regular argv is used
for everything else.
Author: Yannis Guyon (yguyon@google.com)
Files:
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SSE2 version of speed-critical encoding functions.
Author: Christian Duvivier (cduvivier@google.com)
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Rescaling functions
Author: Skal (pascal.massimino@gmail.com)
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Dependency: org.apache.logging.log4j:log4j-core

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release Derived Year Owner GPL-
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0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

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1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

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python, version 3

A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

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Pretty handling of logarithmic axes.

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Created by Arne de Laat

Set axis.mode to "log" and make the axis logarithmic using transform:

axis: {

mode: 'log',

transform: function(v) {v <= 0 ? Math.log(v) / Math.LN10 : null},

inverseTransform: function(v) {Math.pow(10, v)}

}

The transform filters negative and zero values, because those are

invalid on logarithmic scales.

This plugin tries to create good looking logarithmic ticks, using

unicode superscript characters. If all data to be plotted is between two

powers of ten then the default flot tick generator and renderer are

used. Logarithmic ticks are places at powers of ten and at half those

values if there are not to many ticks already (e.g. [1, 5, 10, 50, 100]).

For details, see https://github.com/flot/flot/pull/1328

This module was heavily inspired by the externals plugin that ships with webpack@97d58d31

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https://github.com/stipsan/compute-scroll-into-view/blob/master/src/index.ts#L269-L340

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Notice

This project contains several dependencies which have been vendored in

due to a need for minor changes. Where possible changes have been

contributed back to the original project.

async-listener

- **path:** lib/instrumentation/patch-async.js

- **author:** Forrest L Norvell

- **project url:** https://github.com/othiym23/async-listener

- **original file:** https://github.com/othiym23/async-listener/blob/master/index.js

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## shimmer

- **path:** [lib/instrumentation/shimmer.js](lib/instrumentation/shimmer.js)

- **author:** Forrest L Norvell

- **project url:** https://github.com/othiym23/shimmer

- **original file:** https://github.com/othiym23/shimmer/blob/master/index.js

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## process-top

- **path:** [lib/metrics/platforms/generic/process-top.js](lib/metrics/platforms/generic/process-top.js)

- **author:** Mathias Buus

- **project url:** https://github.com/mafintosh/process-top

- **original file:** https://github.com/mafintosh/process-top/blob/master/index.js

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## opentelemetry-js

- **path:** [lib/instrumentation/run-context/](lib/instrumentation/run-context/)

- **author:** OpenTelemetry Authors

- **project url:** https://github.com/open-telemetry/opentelemetry-js

- **original file:** https://github.com/open-telemetry/opentelemetry-js/tree/main/packages/opentelemetry-context-async-hooks/src


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Parts of "lib/instrumentation/run-context" have been adapted from or influenced

by TypeScript code in `@opentelemetry/context-async-hooks`.

- **path:** lib/opentelemetry-bridge/otelutils.js

- **author:** OpenTelemetry Authors

- **project url:** https://github.com/open-telemetry/opentelemetry-js

- **original file:** https://github.com/open-telemetry/opentelemetry-js/tree/main/packages/opentelemetry-core/src/common/time.ts

- **license:** Apache License 2.0, https://github.com/open-telemetry/opentelemetry-js/blob/main/packages/opentelemetry-core/LICENSE

"lib/opentelemetry-bridge/opentelemetry-core-mini/" includes files adapted from

code in `@opentelemetry/core`.

- **path:** lib/opentelemetry-bridge/opentelemetry-core-mini/

- **author:** OpenTelemetry Authors

- **project url:** https://github.com/open-telemetry/opentelemetry-js

- **original file:** https://github.com/open-telemetry/opentelemetry-js/tree/main/packages/opentelemetry-core/src/

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## load-source-map

- **path:** [lib/load-source-map.js](lib/load-source-map.js)

- **author:** Espen Hovlandsdal

- **project url:** https://github.com/rexxars/load-source-map

- **original file:** https://github.com/rexxars/load-source-map/blob/v2.0.0/lib/index.js

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esbuild

A small part of esbuild's runtime JS code is used in this project's

"lib/propwrap.js" module.

- **path:** lib/propwrap.js

- **author:** Evan Wallace

- **project url:** https://github.com/evanw/esbuild

- **original file:** https://github.com/evanw/esbuild/blob/v0.14.42/internal/runtime/runtime.go

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## @types/aws-lambda

A subset of `@types/aws-lambda` is vendored to support this project's TypeScript

types without required users to install the extra dependency.

- **path:** [types/aws-lambda.d.ts](types/aws-lambda.d.ts)

- **project url:** https://github.com/DefinitelyTyped/DefinitelyTyped

- **original file:** https://github.com/DefinitelyTyped/DefinitelyTyped/blob/master/types/aws-lambda/handler.d.ts

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require-in-the-middle

- **path:** lib/ritm.js

- **author:** Thomas Watson Steen

- **project url:** https://github.com/elastic/require-in-the-middle

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- **original file:** https://github.com/elastic/require-in-the-middle/blob/v5.2.0/index.js

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has

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The class org.apache.lucene.util.compress.LZ4 is a Java rewrite of the LZ4

compression library (https://github.com/lz4/lz4/tree/dev/lib) that is licensed

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The Google Code Prettify is Apache License 2.0.

See http://code.google.com/p/google-code-prettify/

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin

g Package (jaspell): http://jaspell.sourceforge.net/

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The snowball stemmers in

analysis/common/src/java/net/sf/snowball

were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in

analysis/common/src/resources/org/apache/lucene/analysis/snowball

were developed by Martin Porter and Richard Boulton.

The full snowball package is available from

https://snowballstem.org/

The KStem stemmer in

analysis/common/src/org/apache/lucene/analysis/en

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was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt
See http://members.unine.ch/jacques.savoy/clef/index.html.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default

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stopword list that is BSD-licensed created by the Carrot2 project. The file resides

in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.

See https://github.com/carrot2/carrot2.

The SmartChineseAnalyzer source code (smartcn) was

provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)

is derived from Unicode data such as the Unicode Character Database.

See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software

developed by Dawid Weiss and Marcin Mi?kowski

(https://github.com/morfologik/morfologik-stemming) and uses

data from the BSD-licensed dictionary of Polish (SGJP, http://sgjp.pl/morfeusz/).

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original

source code for this can be found at http://www.eclipse.org/jetty/downloads.php

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

==========

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which can be obtained from

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or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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Nori Korean Morphological Analyzer - Apache Lucene Integration

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core/src/java/org/apache/lucene/util/compress/LZ4.java is a Java
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The class org.apache.lucene.util.compress.LZ4 is a Java rewrite of the LZ4

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The Google Code Prettify is Apache License 2.0.

See http://code.google.com/p/google-code-prettify/

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin

g Package (jaspell): http://jaspell.sourceforge.net/

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The snowball stemmers in

analysis/common/src/java/net/sf/snowball

were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in

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analysis/common/src/resources/org/apache/lucene/analysis/snowball

were developed by Martin Porter and Richard Boulton.

The full snowball package is available from

https://snowballstem.org/

The KStem stemmer in

analysis/common/src/org/apache/lucene/analysis/en

was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)

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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

See http://members.unine.ch/jacques.savoy/clef/index.html.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java

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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed

by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,

and Edmond Nolan.

The Polish analyzer (stempel) comes with a default

stopword list that is BSD-licensed created by the Carrot2 project. The file resides

in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.

See https://github.com/carrot2/carrot2.

The SmartChineseAnalyzer source code (smartcn) was

provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)

is derived from Unicode data such as the Unicode Character Database.

See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software

developed by Dawid Weiss and Marcin Mi?kowski

(https://github.com/morfologik/morfologik-stemming) and uses

data from the BSD-licensed dictionary of Polish (SGJP, http://sgjp.pl/morfeusz/).

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source code for this can be found at http://www.eclipse.org/jetty/downloads.php

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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mecab-ipadic-2.7.0-20070801

which can be obtained from

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https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands

as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)

in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same

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year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-
from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

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2.6.3 2.6.2 2009 PSF yes

2.6.4 2.6.3 2009 PSF yes

2.6.5 2.6.4 2010 PSF yes

3.0 2.6 2008 PSF yes

3.0.1 3.0 2009 PSF yes

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org.apache.poi.util.ReplacingInputStream is based on code from

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The textbook (containing a proof that the shuffle is uniformly random) is

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The BracketFinder (package org.apache.commons.math3.optimization.univariate)

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Python was created in the early 1990s by Guido van Rossum at Stichting

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In 1995, Guido continued his work on Python at the Corporation for National

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In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see https://www.zope.org/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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The :mod:`!_random` C extension underlying the :mod:`random` module

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are

the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)

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Any feedback is very welcome.

http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The :mod:`socket` module uses the functions, :c:func:`!getaddrinfo`, and

:c:func:`!getnameinfo`, which are coded in separate source files from the WIDE

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Asynchronous socket services

The :mod:`!test.support.asynchat` and :mod:`!test.support.asyncore`

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Execution tracing

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion
between ascii and binary. This results in a 1000-fold speedup. The C
version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The :mod:`xmlrpc.client` module contains the following notice::

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SipHash24

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strtod and dtoa

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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file (certdata.txt). This file can be found in the mozilla source tree:

http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#

It contains the certificates in PEM format and therefore

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pycparser -- A C parser in Python

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities

(CA). These were automatically extracted from Mozilla's root certificates

file (certdata.txt). This file can be found in the mozilla source tree:

https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt

It contains the certificates in PEM format and therefore

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Just configure this file as the SSLCACertificateFile.#

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@(#)subr_prf.c 8.3 (Berkeley) 1/21/94

[ccan/build_assert/build_assert.h]

[ccan/check_type/check_type.h]

[ccan/container_of/container_of.h]

[ccan/str/str.h]

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[ccan/list/list.h]

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[coroutine]

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[include/ruby/onigmo.h]

[include/ruby/oniguruma.h]

[regcomp.c]

[regenc.c]

[regenc.h]

[regerror.c]

[regexec.c]

[regint.h]

[regparse.c]

[regparse.h]

[enc/ascii.c]

[enc/big5.c]

[enc/cp949.c]

[enc/emacs_mule.c]

[enc/encdb.c]

[enc/euc_jp.c]

[enc/euc_kr.c]

[enc/euc_tw.c]

[enc/gb18030.c]

[enc/gb2312.c]

[enc/gbk.c]

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[enc/iso_8859_10.c]

[enc/iso_8859_11.c]

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[enc/iso_8859_16.c]

[enc/iso_8859_2.c]

[enc/iso_8859_3.c]

[enc/iso_8859_4.c]

[enc/iso_8859_5.c]

[enc/iso_8859_6.c]

[enc/iso_8859_7.c]

[enc/iso_8859_8.c]

[enc/iso_8859_9.c]

[enc/koi8_r.c]

[enc/koi8_u.c]

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[enc/shift_jis.c]

[enc/unicode.c]

[enc/us_ascii.c]

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[enc/utf_16le.c]

[enc/utf_32be.c]

[enc/utf_32le.c]

[enc/utf_8.c]

[enc/windows_1251.c]

[enc/windows_31j.c]

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[enc/windows_1253.c]

[enc/windows_1254.c]

[enc/windows_1257.c]

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[include/ruby/win32.h]

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,

Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using init_genrand(seed)

or init_by_array(init_key, key_length).

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[strftime.c]

[include/ruby/st.h]

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[missing/alloca.c]

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[missing/hypot.c]

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[ext/digest/sha1/sha1.c]

[ext/digest/sha1/sha1.h]

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/* zlib.h -- interface of the 'zlib' general purpose compression library

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By Sean Eron Anderson

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Bit Twiddling Hacks

By Sean Eron Anderson

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• UAC20—A new Urban Areas layer containing the updated areas delineated from 2020 tabulation blocks at the national level.

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Compile with 'make' (edit the Makefile if you want a release build)

Test the package with 'make test'

Install by copying trio.h, triop.h, and libtrio.a (and man/man?/* if you want documentation) to the appropriate directories.

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Catch some usage examples in example.c

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#8. Xml-apis (xml-apis-1.4.0.1.jar - needed by opensaml)

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#10. xmltooling (xmltooling-1.3.2-1.jar - needed by opensaml))

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Oracle Tuxedo Optimizations for Exalogic Elastic Cloud Software

The following sections describe the following Oracle Tuxedo optimizations for Oracle Exalogic Elastic Cloud Software:

- Oracle Tuxedo Optimization for Inter-node Communication

  Oracle Exalogic Elastic Cloud Software can be configured with Oracle Tuxedo to provide inter-node communication within an Oracle Tuxedo domain.

- Socket Direct Protocol for Exalogic Elastic Cloud Software

  Oracle Exalogic Elastic Cloud can be configured to utilize the socket direct protocol for Oracle Tuxedo network channels and Oracle Database connectivity.

- Oracle Tuxedo Optimization for Lock Mechanism

  Oracle Exalogic Elastic Cloud Software can be configured with Oracle Tuxedo to tune the bulletin board lock mechanism in an Oracle Tuxedo domain.

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Chapter 6

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Third party components on Oracle JDK

* Module java.base

o Cryptix AES v3.2.0

o ASM Bytecode Manipulation Framework v9.3

o c-libutl 20160225

o Unicode Common Local Data Repository (CLDR) v43.0

o International Components for Unicode (ICU4J) v72.1

o Mozilla Public Suffix List

o The Unicode Standard, Unicode Character Database, Version 15.0.0

o Bert Belder: wepoll v 1.5.8 (Windows only)

o zlib v1.2.13 (Windows only) for JDK 21 to 21.0.3

o zlib v1.3.1 (Windows only) for JDK 21.0.4 and later

o SipHash v1.0-68c8a7c

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* Module java.desktop

o Eastman Kodak Company: Portions of color management and imaging software

o The FreeType Project: Freetype v2.13.0 (macOS and Windows only) for JDK 21 to 21.0.2

o The FreeType Project: Freetype v2.13.2 (macOS and Windows only) for JDK 21.0.3 and later

o GIFLIB v5.2.1 for JDK 21 to 21.0.4

o GIFLIB v5.2.2 for JDK 21.0.5 and later

o Harfbuzz v7.2 for JDK 21 to 21.0.1

o Harfbuzz v8.2.2 for JDK 21.0.2 and later

o Independent JPEG Group: JPEG release 6b

o Little Color Management System (LCMS) v2.15 for JDK 21 to 21.0.3

o Little Color Management System (LCMS) v2.16 for JDK 21.0.4 and later

o libpng v1.6.39 for JDK 21 to 21.0.1

o libpng v1.6.40 for JDK 21.0.2 to 21.0.4

o libpng v1.6.43 for JDK 21.0.5 and later

o Mesa 3-D Graphics Library v21.0.3

o PipeWire 0.3.68 (Linux and macOS only)

o xwd v1.0.7 (Linux only)

* Module java.smartcardio

o PC/SC Lite v1.9.9 (Linux and macOS only)

* Module java.xml.crypto

o Apache Santuario v3.0.2 for JDK 21 to 21.0.2

o Apache Santuario v3.0.3 for JDK 21.0.3 and later

* Module java.xml

o Apache Commons Byte Code Engineering Library (BCEL) Version 6.7.0

o DOM Level 3 Core Specification v1.0

o CUP Parser Generator for Java v 0.11b

o Apache Xalan v2.7.2 for JDK 21 to 21.0.2

o Apache Xalan v2.7.3 for JDK 21.0.3 and later

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o Apache Xerces v2.12.2

* Module jdk.crypto.cryptoki

o OASIS PKCS #11 Cryptographic Token Interface v3.0

o IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1

* Module jdk.dynalink

o Dynalink v.5

* Module jdk.internal.le

o JLine v3.22.0

* Module jdk.internal.opt

o jopt-simple v5.0.4

* Module jdk.javadoc

o DejaVu fonts v2.37

o jQuery v3.6.1 for JDK 21 to 21.0.4

o jQuery v3.7.1 for JDK 21.0.5 and later

o jQuery UI v1.13.2

* Module jdk.localedata

o Unicode Common Local Data Repository (CLDR) v43.0

o Thai Dictionary

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Bert Belder: wepoll v 1.5.8

wepoll - epoll for Windows https://github.com/piscisaureus/wepoll

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Little Color Management System

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Ext headers GL/glext.h Khronos GL/glxext.h Khronos

GL/wglext.h Khronos KHR/khrplatform.h Khronos

****

include/GL/gl.h :

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include/GL/glext.h include/GL/glxext.h include/GL/wglxext.h :

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zlib v1.2.13

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zlib v1.3.1

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