

Oracle® Communications Control Plane Monitor

Licensing Information User Manual

Release 6.1.0

December 2025

Contents

Copyright Notices..... 1

License Restrictions Warranty/Consequential Damages Disclaimer.....1

Warranty Disclaimer.....1

Restricted Rights Notice.....1

Hazardous Applications Notice.....1

Trademark Notice.....1

Documentation Accessibility.....2

Access to Oracle Support.....2

Third Party Content, Products, and Services Disclaimer.....2

Oracle Linux License Agreement.....3

Oracle Communications Control Plane Monitor – 6.0.0 – Licensing Notes.....6

Licensing Information..... 7

Third-Party Notices.....9

Commercial Software.....9

Open Source or Other Separately Licensed Software.....9

Third-Party Licenses.....471

Apache License, Version 2.0.....471

BSD-3-Clause License.....473

BSD License.....473

Click License.....474

Flask License.....474

GNU General Public License, Version 2.0.....475

GNU Lesser General Public License, Version 2.1.....479

GNU General Public License Version 3.....485

Jinja License.....494

LibXML2 License.....495

Libxslt License.....496

OpenSSL License.....497

PCRE License.....498

Python License.....502

PyZMQ License.....558

The MIT License.....558

util-linux License.....563

xmlrpc-c License.....569

zlib License.....571

Gunicorn License.....	571
Various copyrights.....	573
PySNMP License.....	578
ImageMagick License.....	580
Infrae License.....	586
Flask-login License.....	594
Nginx License.....	596
Libnuma License.....	603
Apache HTTP Server License.....	616
Flask License.....	630
ZeroMQ License.....	636
D3 License.....	644
OpenIB license.....	654
Oracle JET License.....	674
Flask-principal License.....	690
Microsoft License.....	700
Libpcap License.....	716

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	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. Zope Corporation was a sponsoring member of the PSF. All Python releases are Open Source (see https://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. <table><tr><th>Release</th><th>Derived from</th><th>Year</th><th>Owner</th><th>GPL-compatible? (1)</th></tr><tr><td>0.9.0 thru 1.2</td><td></td><td>1991-1995</td><td>CWI</td><td>yes</td></tr><tr><td>1.3 thru 1.5.2</td><td>1.2</td><td>1995-1999</td><td>CNRI</td><td>yes</td></tr><tr><td>1.6</td><td>1.5.2</td><td>2000</td><td>CNRI</td><td>no</td></tr><tr><td>2.0</td><td>1.6</td><td>2000</td><td>BeOpen.com</td><td>no</td></tr><tr><td>1.6.1</td><td>1.6</td><td>2001</td><td>CNRI</td><td>yes (2)</td></tr><tr><td>2.1</td><td>2.0+1.6.1</td><td>2001</td><td>PSF</td><td>no</td></tr><tr><td>2.0.1</td><td>2.0+1.6.1</td><td>2001</td><td>PSF</td><td>yes</td></tr><tr><td>2.1.1</td><td>2.1+2.0.1</td><td>2001</td><td>PSF</td><td>yes</td></tr><tr><td>2.1.2</td><td>2.1.1</td><td>2002</td><td>PSF</td><td>yes</td></tr><tr><td>2.1.3</td><td>2.1.2</td><td>2002</td><td>PSF</td><td>yes</td></tr><tr><td>2.2 and above</td><td>2.1.1</td><td>2001-now</td><td>PSF</td><td>yes</td></tr></table> Footnotes:	Release	Derived from	Year	Owner	GPL-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	2.1.2	2.1.1	2002	PSF	yes	2.1.3	2.1.2	2002	PSF	yes	2.2 and above	2.1.1	2001-now	PSF	yes
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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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		of merchantability, fitness for a particular purpose and noninfringement. In no event shall Bob Friesenhahn be liable for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, out of or in connection with Magick++ or the use or other dealings in Magick++. ## Files: README.md # ImageMagick [![Build Status](https://github.com/ImageMagick/ImageMagick/workfl ows/main/badge.svg)](https://github.com/ImageMagick/ ImageMagick/actions) [![Fuzzing Status](https://oss-fuzz-build- logs.storage.googleapis.com/badges/imagemagick.svg)] (https://issues.oss-fuzz.com/issues? q=%22project%20ImageMagick%22) [![Donate](https://img.shields.io/badge/%24-donate- ff00ff.svg)](https://github.com/sponsors/ImageMagick) <p align="center"> </p> [ImageMagick®](https://imagemagick.org/) is a free and [open-source](https://imagemagick.org/script/license.php) software suite, used for editing and manipulating digital images. It can be used to create, edit, compose, or convert bitmap images, and supports a wide range of file [formats] (https://imagemagick.org/script/formats.php), including JPEG, PNG, GIF, TIFF, and PDF. ## What is ImageMagick?

		ImageMagick is widely used in industries such as web development, graphic design, and video editing, as well as in scientific research, medical imaging, and astronomy. Its versatile and customizable nature, along with its robust image processing capabilities, make it a popular choice for a wide range of image-related tasks. ImageMagick includes a command-line interface for executing complex image processing tasks, as well as APIs for integrating its features into software applications. It is written in C and can be used on a variety of operating systems, including Linux, Windows, and macOS. The main website for ImageMagick can be found at https://imagemagick.org. The source code for this software can be accessed through a [repository](https://github.com/ImageMagick/ImageMagick). In addition, we maintain a legacy version of ImageMagick [version 6](https://legacy.imagemagick.org/). Creating a security policy that fits your specific local environment before making use of ImageMagick is highly advised. You can find guidance on setting up this [policy](https://imagemagick.org/script/security-policy.php). Also, it's important to verify your policy using the [validation tool](https://imagemagick.org/script/security-policy.php). ## Features and Capabilities One of the key features of ImageMagick is its support for scripting and automation. This allows users to create complex image manipulation pipelines that can be run automatically, without the need for manual intervention. This can be especially useful for tasks that require the processing of large numbers of images, or for tasks that need to be performed on a regular basis. In addition to its core image manipulation capabilities, ImageMagick also includes a number of other features, such as support for animation, color management, and image rendering. These features make it a versatile tool for a wide range of image-related tasks, including graphic design, scientific visualization, and digital art. Overall, ImageMagick is a powerful and versatile software suite for displaying, converting, and editing image files. Its support for scripting and automation, along with its other features, make it a valuable tool for a wide range of image-related tasks.

		Here are just a few [examples](https://imagemagick.org/script/examples.php) of what ImageMagick can do: * [Animation](https://imagemagick.org/script/command-line-options.php#bilateral-blur): non-linear, edge-preserving, and noise-reducing smoothing filter. * [Bilateral Blur](https://imagemagick.org/script/command-line-options.php#bilateral-blur): non-linear, edge-preserving, and noise-reducing smoothing filter. * [Color management](https://imagemagick.org/script/color-management.php): accurate color management with color profiles or in lieu of-- built-in gamma compression or expansion as demanded by the colorspace. * [Color thresholding](https://imagemagick.org/script/color-management.php) force all pixels in the color range to white otherwise black. * [Command-line processing](https://imagemagick.org/script/command-line-processing.php) utilize ImageMagick from the command-line. * [Complex text layout](https://en.wikipedia.org/wiki/Complex_text_layout) bidirectional text support and shaping. * [Composite](https://imagemagick.org/script/composite.php): overlap one image over another. * [Connected component labeling](https://imagemagick.org/script/connected-components.php): uniquely label connected regions in an image. * [Convex hull](https://imagemagick.org/script/convex-hull.php) smallest area convex polygon containing the image foreground objects. In addition, the minimum bounding box and unrotate angle are also generated. * [Decorate](https://imagemagick.org/Usage/crop/): add a border or frame to an image. * [Delineate image features](https://imagemagick.org/Usage/transform/#vision): Canny edge detection, mean-shift, Hough lines. * [Discrete Fourier transform](https://imagemagick.org/Usage/fourier/): implements the forward and inverse [DFT](http://en.wikipedia.org/wiki/Discrete_Fourier_transform). * [Distributed pixel cache](https://imagemagick.org/script/distribute-pixel-cache.php): offload intermediate pixel storage to one or more remote servers. * [Draw](https://imagemagick.org/Usage/draw/): add shapes

		or text to an image. * [Encipher or decipher an image](https://imagemagick.org/script/cipher.php): convert ordinary images into unintelligible gibberish and back again. * [Format conversion](https://imagemagick.org/script/convert.php): convert an image from one [format](https://imagemagick.org/script/formats.php) to another (e.g. PNG to JPEG). * [Generalized pixel distortion](https://imagemagick.org/Usage/distorts/): correct for, or induce image distortions including perspective. * [Heterogeneous distributed processing](https://imagemagick.org/script/architecture.php#distributed): certain algorithms are OpenCL-enabled to take advantage of speed-ups offered by executing in concert across heterogeneous platforms consisting of CPUs, GPUs, and other processors. * [High dynamic-range images](https://imagemagick.org/script/high-dynamic-range.php): accurately represent the wide range of intensity levels found in real scenes ranging from the brightest direct sunlight to the deepest darkest shadows. * [Histogram equalization](https://imagemagick.org/script/clahe.php) use adaptive histogram equalization to improve contrast in images. * [Image cache](https://imagemagick.org/script/magick-cache.php): secure methods and tools to cache images, image sequences, video, audio or metadata in a local folder. * [Image calculator](https://imagemagick.org/script/fx.php): apply a mathematical expression to an image or image channels. * [Image gradients](https://imagemagick.org/script/gradient.php): create a gradual blend of one color whose shape is horizontal, vertical, circular, or elliptical. * [Image identification](https://imagemagick.org/script/identify.php): describe the format and attributes of an image. * [ImageMagick on the iPhone](https://imagemagick.org/script/download.php#iOS): convert, edit, or compose images on your iPhone. * [Large image support](https://imagemagick.org/script/architecture.php#tera-pixel): read, process, or write mega-, giga-, or tera-pixel image sizes. * [Montage](https://imagemagick.org/script/montage.php): juxtapose image thumbnails on an image canvas. * [Morphology of

		shapes)(https://imagemagick.org/Usage/morphology/): extract features, describe shapes and recognize patterns in images. * [Motion picture support](https://imagemagick.org/script/motion-picture.php): read and write the common image formats used in digital film work. * [Multispectral imagery](https://imagemagick.org/script/multispectral-imagery.php): support multispectral imagery up to 64 bands. * [Noise and color reduction](https://imagemagick.org/Usage/transform/#vision) Kuwahara Filter, mean-shift. * [Perceptual hash](http://www.fmwconcepts.com/misc_tests/perceptual_hash_test_results_510/index.html): maps visually identical images to the same or similar hash-- useful in image retrieval, authentication, indexing, or copy detection as well as digital watermarking. * [Special effects](https://imagemagick.org/Usage/blur/): blur, sharpen, threshold, or tint an image. * [Text & comments](https://imagemagick.org/Usage/text/): insert descriptive or artistic text in an image. * [Threads of execution support](https://imagemagick.org/script/architecture.php#threads): ImageMagick is thread safe and most internal algorithms are OpenMP-enabled to take advantage of speed-ups offered by multicore processor chips. * [Transform](https://imagemagick.org/Usage/resize/): resize, rotate, skew, crop, flip or trim an image. * [Transparency](https://imagemagick.org/Usage/masking/): render portions of an image invisible. * [Virtual pixel support](https://imagemagick.org/script/architecture.php#virtual-pixels): convenient access to pixels outside the image region. [Examples of ImageMagick Usage](https://imagemagick.org/Usage/), demonstrates how to use the software from the [command line](https://imagemagick.org/script/command-line-processing.php) to achieve various effects. There are also several scripts available on the website called [Fred's ImageMagick Scripts](http://www.fmwconcepts.com/imagemagick/), which can be used to apply geometric transforms, blur and sharpen images, remove noise, and perform other operations. Additionally, there is a tool called [Magick.NET](https://github.com/dlemstra/Magick.NET) that allows users to access the functionality of ImageMagick without having to install the software on their own systems.

		Finally, the website also includes a [Cookbook](http://im.snibgo.com/) with tips and examples for using ImageMagick on Windows systems. ## News Creating a security policy that fits your specific local environment before making use of ImageMagick is highly advised. You can find guidance on setting up this [policy](https://imagemagick.org/script/security-policy.php). Also, it's important to verify your policy using the [validation tool](https://imagemagick-secevaluator.doyensec.com/). As of ImageMagick version 7.1.1-16, you can choose and customize one of these [security policies](https://imagemagick.org/script/security-policy.php): Open, Limited, Secure, and Websafe. By default, ImageMagick supports up to 32 channels. As of ImageMagick version 7.1.1-16, you can enable up to 64 channels by adding the <code>--enable-64bit-channel-masks</code> option to the Linux configure build script. For Windows this will be enabled automatically. Want more performance from ImageMagick? Try these options: * add more memory to your system, see the [pixel cache](https://imagemagick.org/script/architecture.php#cache); * add more cores to your system, see [threads of execution support](https://imagemagick.org/script/architecture.php#threads); * reduce lock contention with the [tcmalloc](http://goog-perftools.sourceforge.net/doc/tcmalloc.html) memory allocation library; * push large images to a solid-state drive, see [large image support](https://imagemagick.org/script/architecture.php#tera-pixel). If these options are prohibitive, you can reduce the quality of the image results. The default build is Q16 HDRI. If you disable [HDRI](https://imagemagick.org/script/high-dynamic-range.php), you use half the memory and instead of predominantly floating point operations, you use the typically more efficient integer operations. The tradeoff is reduced precision and you cannot process out of range pixel values (e.g. negative). If you build the Q8 non-HDRI version of ImageMagick, you again reduce the memory requirements in half-- and once again there is a tradeoff, even less precision

		and no out of range pixel values. For a Q8 non-HDRI build of ImageMagick, use these configure script options: <code>**--with-quantum-depth=8 --disable-hdri**</code>. <code>## Files:</code> Magick++/demo/analyze.cpp Demonstrate using the 'analyze' process module to compute image statistics. Copyright Bob Friesenhahn, 2003, 2004 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Usage: analyze file... <code>## Files:</code> Magick++/demo/button.cpp Magick++ demo to generate a simple text button Copyright Bob Friesenhahn, 1999, 2000, 2001, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. <code>## Files:</code> Magick++/demo/demo.cpp This may look like C code, but it is really <code>/*- C++ -*</code>

		Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Simple demo program for Magick++ Concept and algorithms lifted from PerlMagick demo script written by Cristy. Max run-time size 60MB (as compared with 95MB for PerlMagick) under SPARC Solaris ## Files: Magick++/demo/detrans.cpp Replace transparency in an image with a solid color using Magick++ Useful to see how a transparent image looks on a particular background color, or to create a similar looking effect without transparency. Copyright Bob Friesenhahn, 2000 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Usage: detrans color file... ## Files: Magick++/demo/flip.cpp

		This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Demonstration of unary function-object based operations Reads the multi-frame file "smile_anim.miff" and writes a flipped and morphed version to "flip_out.miff". ## Files: Magick++/demo/gravity.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2000, 2001, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Demo of text annotation with gravity. Produces an animation showing the effect of rotated text assize_t with various gravity specifications. After running demo program, run 'animate gravity_out.miff' if you are using X-Windows to see an animated result. Concept and algorithms lifted from PerlMagick demo script written by Cristy.

		## Files: Magick++/demo/piddle.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. PerlMagick "piddle" demo re-implemented using Magick++ methods. The PerlMagick "piddle" demo is written by Cristy ## Files: Magick++/demo/shapes.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. GD/PerlMagick example using Magick++ methods. Concept and algorithms lifted from PerlMagick demo script ## Files: Magick++/demo/zoom.cpp This may look like C code, but it is really -*- C++ -*-

		Copyright Bob Friesenhahn, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Resize image using specified resize algorithm with Magick++ API Usage: zoom [-density resolution] [-filter algorithm] [-geometry geometry] [-resample resolution] input_file output_file ## Files: Magick++/lib/Blob.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2004 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of Blob ## Files: Magick++/lib/BlobRef.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2004 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization

		dedicated to making software imaging solutions freely available. Implementation of Blob ## Files: Magick++/lib/CoderInfo.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2001, 2002 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. CoderInfo implementation ## Files: Magick++/lib/Color.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Color Implementation ## Files: Magick++/lib/Drawable.cpp

		This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of Drawable (Graphic objects) ## Files: Magick++/lib/Exception.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of Exception and derived classes ## Files: Magick++/lib/Functions.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available.

		Simple C++ function wrappers for ImageMagick equivalents ## Files: Magick++/lib/Geometry.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Geometry implementation ## Files: Magick++/lib/Image.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 1999 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of Image ## Files: Magick++/lib/ImageRef.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002

		Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of ImageRef This is an internal implementation class. ## Files: Magick++/lib/Magick++/Blob.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2015 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Reference counted container class for Binary Large Objects (BLOBs) ## Files: Magick++/lib/Magick++/BlobRef.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Blob reference class

		This is an internal implementation class that should not be accessed by users. ## Files: Magick++/lib/Magick++/CoderInfo.h This may look like C code, but it is really <code>/* C++ */</code> Copyright Bob Friesenhahn, 2001, 2002 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. CoderInfo Definition Container for image format support information. ## Files: Magick++/lib/Magick++/Color.h This may look like C code, but it is really <code>/* C++ */</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003, 2008 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Color Implementation ## Files:

		Magick++/lib/Magick++/Drawable.h This may look like C code, but it is really <code>/*- C++ */</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of Drawable (Graphic objects) The technique used for instantiating classes which derive from STL templates is described in Microsoft MSDN Article ID: Q168958 "HOWTO: Exporting STL Components Inside & Outside of a Class". "http://support.microsoft.com/kb/168958" Note that version 3.0 of this article says that only STL container template which supports DLL export is <code><vector></code> and we are not using <code><vector></code> as part of the Drawable implementation. ## Files: Magick++/lib/Magick++/Exception.h This may look like C code, but it is really <code>/*- C++ */</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of Magick::Exception and derived classes

		Magick::Warning* and Magick::Error*. Derived from C++ STD 'exception' class for convenience. These classes form part of the Magick++ user interface. ## Files: Magick++/lib/Magick++/Functions.h This may look like C code, but it is really <code>/*- C++ -*/</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Simple C++ function wrappers for often used or otherwise inconvenient ImageMagick equivalents ## Files: Magick++/lib/Magick++/Geometry.h This may look like C code, but it is really <code>/*- C++ -*/</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Geometry Definition Representation of an ImageMagick geometry specification X11 geometry specification plus hints

		## Files: Magick++/lib/Magick++/Image.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of Image, the representation of a single image in Magick++ ## Files: Magick++/lib/Magick++/ImageRef.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of an Image reference This is a private implementation class which should never be referenced by any user code. ## Files: Magick++/lib/Magick++/Include.h

		This may look like C code, but it is really <code>/*- C++ -*/</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Inclusion of ImageMagick headers (with namespace magic) ## Files: Magick++/lib/Magick++/Montage.h This may look like C code, but it is really <code>/*- C++ -*/</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of Montage class used to specify montage options. ## Files: Magick++/lib/Magick++/Options.h This may look like C code, but it is really <code>/*- C++ -*/</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available.

		Definition of Options Options which may be applied to an image. These options are the equivalent of options supplied to ImageMagick utilities. This is an internal implementation class and is not part of the Magick++ API ## Files: Magick++/lib/Magick++/Pixels.h This may look like C code, but it is really <code>/*- C++ */</code> Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Representation of a pixel view. ## Files: Magick++/lib/Magick++/ResourceLimits.h This may look like C code, but it is really <code>/*- C++ */</code> Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of resource limits. ## Files:

		Magick++/lib/Magick++/STL.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition and implementation of template functions for using Magick::Image with STL containers. ## Files: Magick++/lib/Magick++/SecurityPolicy.h This may look like C code, but it is really -*- C++ -*- Copyright @ 2018 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of the security policy. ## Files: Magick++/lib/Magick++/Statistic.h This may look like C code, but it is really -*- C++ -*- Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of channel moments.

		## Files: Magick++/lib/Magick++/Thread.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Definition of types and classes to support threads This class is a Magick++ implementation class and is not intended for use by end-users. ## Files: Magick++/lib/Magick++/TypeMetric.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. TypeMetric Definition Container for font type metrics ## Files:

		Magick++/lib/Magick++.h This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Simplified includes for Magick++. Inclusion of this header is sufficient to use all Magick++ APIs. ## Files: Magick++/lib/Montage.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of Montage ## Files: Magick++/lib/Options.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization

		dedicated to making software imaging solutions freely available. Implementation of Options A wrapper around DrawInfo, ImageInfo, and QuantizeInfo ## Files: Magick++/lib/Pixels.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Pixels Implementation ## Files: Magick++/lib/ResourceLimits.cpp This may look like C code, but it is really -*- C++ -*- Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of ResourceLimits ## Files: Magick++/lib/STL.cpp

		This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2002 Copyright @ 2013 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of STL classes and functions ## Files: Magick++/lib/SecurityPolicy.cpp This may look like C code, but it is really -*- C++ -*- Copyright @ 2018 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of the security policy. ## Files: Magick++/lib/Statistic.cpp This may look like C code, but it is really -*- C++ -*- Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of channel moments. ## Files:

		Magick++/lib/Thread.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. Implementation of thread support ## Files: Magick++/lib/TypeMetric.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2001 Copyright @ 2014 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. TypeMetric implementation ## Files: Magick++/tests/appendImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Test STL appendImages function

		## Files: Magick++/tests/attributes.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Tests for setting/getting Magick::Image attributes ## Files: Magick++/tests/averagelImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Test STL averagelImages function ## Files: Magick++/tests/coalescelImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Test STL coalescelImages function ## Files: Magick++/tests/coderInfo.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2001, 2002, 2003

		Test Magick::CoderInfo class and Magick::coderInfoList ## Files: Magick++/tests/color.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Test Magick::Color classes ## Files: Magick++/tests/colorHistogram.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 2003 Test STL colorHistogram function ## Files: Magick++/tests/exceptions.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2001, 2002, 2003 Tests for throwing exceptions ## Files: Magick++/tests/geometry.cpp This may look like C code, but it is really -*- C++ -*-

		Copyright Dirk Lemstra 2015 Test Magick::Geometry class ## Files: Magick++/tests/montageImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2002, 2003 Test STL montageImages function ## Files: Magick++/tests/morphImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Test STL morphImages function ## Files: Magick++/tests/readWriteBlob.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Test reading/writing BLOBs using Magick++ ## Files:

		Magick++/tests/readWriteImages.cpp This may look like C code, but it is really -*- C++ -*- Copyright Bob Friesenhahn, 1999, 2000, 2003 Copyright Dirk Lemstra 2014 Test STL readImages and writeImages functions and test image format when reading/writing. ## Files: MagickCore/MagickCore.h Copyright @ 1999 ImageMagick Studio LLC, a non-profit organization dedicated to making software imaging solutions freely available. You may not use this file except in compliance with the License. You may obtain a copy of the License at https://imagemagick.org/script/license.php Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. MagickCore Application Programming Interface declarations. ## Files: MagickCore/accelerate-kernels-private.h

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2.1.3	2.1.2	2002	PSF	yes																																																										
2.2 and above	2.1.1	2001-now	PSF	yes																																																										

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		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
		2.1.2	2.1.1	2002	PSF yes
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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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Stack-less Just-In-Time compiler

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Author: Sanjay Ghemawat

Support for PCRE_XXX modifiers added by Giuseppe Maxia, July 2005

===== PCREPOSIX.C =====

/******

* Perl-Compatible Regular Expressions *

*****/

/* PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by Philip Hazel

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bluez-libs-devel

desktop-file-utils

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gdb

gdbm-devel

git-core

glibc-all-langpacks

glibc-devel

gmp-devel

python3-rpm-generators

redhat-rpm-config

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bzip2-devel

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.1.0 of 6 September 2010

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libappstream-glib

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xz-devel

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=====

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```
sh build-aux/license-check.sh -v
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zlib-devel

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ruamel.yaml

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util/unlink.py

backport from python3 Lib/test/support.py

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RNG2Schtrn.xsl:

Stylesheet for extracting Schematron information from a RELAX-NG schema.

Based on the stylesheet for extracting Schematron information from
W3C XML Schema.

Created by Eddie Robertsson 2002/06/01

2009/12/10 hj: changed Schematron namespace to ISO URI (Holger Joukl)

XSD2Schtrn.xsl:

based on an original transform by Eddie Robertsson

2001/04/21 fn: added support for included schemas

2001/06/27 er: changed XMI Schema prefix from xsd: to xs: and changed to the Rec namespace

2009/12/10 hj: changed Schematron namespace to ISO URI (Holger Joukl)

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The basic library functions are written in C and are freestanding. Also
included in the distribution is a set of C++ wrapper functions, and a
just-in-time compiler that can be used to optimize pattern matching. These

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are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

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zlib 1.2.11 license

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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All calls are undefined when numa_available returns an error.

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*
*/

```

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```

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```

For the server\util_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*
* md5.c: NCSA HTTPd code which uses the md5c.c RSA Code
*

```

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/*


```

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```
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                =====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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Chai - v4.2.0

<https://github.com/chaijs/chai>

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expression-eval - v2.0.0

<https://github.com/donmccurdy/expression-eval>

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jsep - v0.3.4

<https://github.com/soney/jsep>

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Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

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petit-dom - v0.2.2

<https://github.com/yelouafi/petit-dom>

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webcomponents/custom-elements - v1.1.2

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proj4js - v2.5.0

<http://proj4js.org/>

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require-css - v0.1.10

<https://github.com/guybedford/require-css>

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Hammer.JS - v2.0.8 - 2016-04-22

<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n 2.0.2

<http://github.com/requirejs/i18n> for details

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jsTree 1.0-rc3 <http://jstree.com/>

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select2.js

<https://github.com/select2/select2>

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ES6-Promise

<https://github.com/stefanpenner/es6-promise>

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jQuery UI - v1.12.1 - 2015-03-18

<http://jqueryui.com>

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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jQuery JavaScript Library v3.5.1

<http://jquery.com/>

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

Author: Miller Medeiros

Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

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RequireJS text 2.0.15

<http://github.com/requirejs/text>

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RequireJS 2.3.6

<http://github.com/jrburke/requirejs>

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Knockout JavaScript library v3.5.1

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certifi

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This package contains a modified version of ca-bundle.crt:

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 can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

-----separator-----

== NAME OF DEPENDENCY 5

charset-normalizer

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pycparser

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pycparser -- A C parser in Python

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