

Oracle® Communications Operations Monitor

Licensing Information User Manual

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Licensing Information

Product	Sub product	Licensing Information
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor – 100 Concurrent Calls Perpetual	Operations Monitor is a real-time, service monitoring, end to end troubleshooting, and analytics solution that provides unprecedented insight into Voice over IP (VoIP) and unified communications (UC) networks. Prerequisites: None Inclusions: The following features/capabilities are included part of this license: Dashboard - The Dashboard is a flexible entry page. It allows you to view the information most important to you at a glance. Alerts – Alerts page utilizes the notification system to warn you of important events called alerts. You can prioritize alerts and configure them to trigger certain actions. The Alerts page displays all alerts that have been raised. Traces - The Traces page allows you to capture, store and download packet traces of the SIP traffic. Packet Inspector – The Packet Inspector page allows users to capture, store and download packet traces of any OSI layer 2 through layer 7 traffic. KPI/Metrics - The KPI / Metrics page provides standards of measurement by which efficiency, performance, progress or quality of the platform are assessed. Calls - The Calls page is the central repository for call analysis in Operations Monitor. You can analyze call information traversing the platform in real-time or historically. This data can be inspected as a high- level overview of all active calls, or a single call and its messages in detail. Registrations - The Registrations page allows you to examine the registration events detected on the monitored platform. Non-call traffic - The subscriptions page allows you to monitor non-call traffic (Presence events) such as Subscribe, Notify, Publish User Devices – Operations Monitor provides statistics for user agents (user devices) registered on the monitored platform. These statistics are based on the User- Agent header of the 'REGISTER' request. Trunks - The Trunks page presents an overview of the status of all configured trunks on the monitored platform. Devices - The Devices page shows not only an overview of all configured platform devices, but it also aggregates information about each individual platform device. User Tracking - The User Tracking page aggregates information for each user of the monitored platform and displays the history of the user's registrations and the calls. IP Tracking - The IP Tracking page aggregates information about a single IP address. It displays all users registered with the given IP address, and provides links to the User Tracking page for each user. Link Quality – The Link Quality page provides the ability to ping a public IP of a subscriber or ping the IP of a proxy. -

Product	Sub product	Licensing Information
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Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Standard Edition - 100 Concurrent Calls Perpetual	Operations Monitor is a real-time, service monitoring, end to end troubleshooting, and analytics solution that provides unprecedented insight into Voice over IP (VoIP) and unified communications (UC) networks. Prerequisites: None Inclusions: The following features/capabilities are included part of this license: Dashboard - The Dashboard is a flexible entry page. It allows you to view the information most important to you at a glance. Alerts – Alerts page utilizes the notification system to warn you of important events called alerts. You can prioritize alerts and configure them to trigger certain actions. The Alerts page displays all alerts that have been raised Traces - The Traces page allows you to capture, store and download packet traces of the SIP traffic. Packet Inspector – The Packet Inspector page allows users to capture, store and download packet traces of any OSI layer 2 through layer 7 traffic. KPI/Metrics - The KPI / Metrics page provides standards of measurement by which efficiency, performance, progress or quality of the platform are assessed. Calls - The Calls page is the central repository for call analysis in Operations Monitor. You can analyze call information traversing the platform in real-time or historically. This data can be inspected as a high-level overview of all active calls, or a single call and its messages in detail Registrations - The Registrations page allows you to examine the registration events detected on the monitored platform. Non-call traffic - The subscriptions page allows you to monitor non-call traffic (Presence events) such as Subscribe, Notify, Publish User Devices – Operations Monitor provides statistics for user agents (user devices) registered on the monitored platform. These statistics are based on the User- Agent header of the 'REGISTER' request. Trunks - The Trunks page presents an overview of the status of all configured trunks on the monitored platform.

Product	Sub product	Licensing Information
		Devices -The Devices page shows not only an overview of all configured platform devices, but it also aggregates information about each individual platform device. User Tracking - The User Tracking page aggregates information for each user of the monitored platform and displays the history of the user's registrations and the calls. IP Tracking - The IP Tracking page aggregates information about a single IP address. It displays all users registered with the given IP address, and provides links to the User Tracking page for each user. Link Quality – The Link Quality page provides the ability to ping a public IP of a subscriber or ping the IP of a proxy. Voice Quality - Voice Quality page allows you to analyze the transmission effects of the network on the voice quality as perceived by the users of the VoIP platform. Included Products: Oracle Communications Operations Monitor, Media Quality Extension - 100 Concurrent Calls Perpetual Restrictions: Oracle Communications Operations Monitor license allows the use of the following infrastructure/framework components: SBC Probe, and Mediation Engine. This does not allow the use of standalone probe. - Will only be available for platforms not currently subject to EOL (VNF, 4600, 6100, 6300, 6350, and 3900 when available in SP) - Will only be available on SBC & SR (not CSM/USM) Exclusions: Unless explicitly licensed, the following Oracle Communications Session Monitor products or extensions are not part of the Oracle Communications Operations Monitor license: Oracle Communications Control Plane Monitor and associated extensions. Oracle Communications Operations Monitor Extensions.
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Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Applications Support	This extension provides scripting capability for unique customer requirements. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses

Product	Sub product	Licensing Information
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Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, UCaaS Monitoring Extension - 100 Concurrent Calls Perpetual	This extension allows monitoring UCaaS calls by allowing to integrate with Microsoft Teams Graph APIs to correlate the Teams leg of the call with the existing call information from the SBC. This allows end-to-end call monitoring for direct routing calls. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: UCaaS Monitoring – Enables End-to-end correlation and Monitoring UCaaS direct routing calls (Microsoft Teams).
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Extension for STIR SHAKEN - 100 Concurrent Calls Perpetual	This extension allows monitoring STIR/SHAKEN transactions from Oracle Session Border Controller for the purpose of call signing using STIR authentication and validation Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Oracle Communications Session Border Controller STIR/SHAKEN monitoring feature must be enabled on a supported Session Border Controller device. Inclusions: Only the following features/capabilities are included part of this license: STIR/SHAKEN Monitoring – End to end call correlation and monitoring for STIR SHAKEN call signing from Oracle SBC
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, REST API Extension - 100 Concurrent Calls Perpetual	This extension provides the ability to programmatically extract information from another software system via RESTful technologies. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license:

Product	Sub product	Licensing Information
		REST API – An API based on RESTful technologies for machine-to-machine interaction.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, CDR Generation Extension - 100 Concurrent Calls Perpetual	This extension provides accounting records in the form of Call Detail Records (CDR). This is typically used for billing purposes. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: CDR – A set of call details available in a structured form for another program to consume call information for billing or other types of analysis.
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Product	Sub product	Licensing Information
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, SIGTRAN Protocol Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for SIGTRAN control protocols. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
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Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Extension for Skype for Business - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for Skype for Business call flows. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.

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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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	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 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. <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: (1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute	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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		1.61.5.22000CNRI no 2.01.62000BeOpen.com no 1.6.11.62001CNRI yes (2) 2.12.0+1.6.12001PSF no 2.0.12.0+1.6.12001PSF yes 2.1.12.1+2.0.12001PSF yes 2.1.22.1.12002PSF yes 2.1.32.1.22002PSF yes 2.2 and above2.1.12001-nowPSF yes Footnotes: (1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't. (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL. Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible. B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON ===== =====

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		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>. ## Files: 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... ## Files: 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. ## Files: 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

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		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

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		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 -*- C++ -*- 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 -*- C++ -*- 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 -*- 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. Representation of a pixel view. ## Files: Magick++/lib/Magick++/ResourceLimits.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 resource limits. ## Files:

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		## 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:

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SGI	numactl 2.0.19-1.el9	### numactl Provider: SGI

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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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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
		2.1.2	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
		Footnotes:			
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		(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.			
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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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gmp-devel

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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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zlib-devel

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python-dot-env

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gunicorn.logging_config

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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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*
*/

```

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```

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```

For the server\util_md5.c component:

```

/*****
* NCSA HTTPd Server
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* 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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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

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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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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

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require-css - v0.1.10

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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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pycparser -- A C parser in Python

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bpf_filter.c

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*
*      @(#)bpf.c      7.5 (Berkeley) 7/15/91
*/

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bpf_image.c

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charconv.c

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etherent.c

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pcap-airpcap.c

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pcap.c

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