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# ソフトウェアのご使用条件

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- (2) 海外へ持ち出すとき。
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- (4) 前3号に規定するもののほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。

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# (使用終了時の措置)

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Virtage	59-87	4ACPI Component Architecture	ACPICA License	別紙2	
		Linux Kernel	GNU General Public License version 2	別紙3	
		GNU C Library(glibc)	_	別紙58	
		5.5.1.5 5 <u>— 5.5.5.7</u> <b>g</b> — 6.5,	GNU General Public License version 2	別紙3	
			GNU Lesser General Public License 2.1	別紙5	
		bzip2	BSD License	別紙25	
		tianocore EFI	FAT32 License	別紙7	
			TianoCore Contribution	別紙8	
			Agreement	),1\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
			BSD License	別紙4	
			Eclipse License	別紙9	
		zlib	zlib license	別紙10	
		ZIID	Boost License	別紙87	
		openssl	OpenSSL License	別紙6	
		Intel PRO/1000 Linux driver	GNU General Public License	別紙3	
		Intel FRO/1000 Linux driver	version 2	カリが入 ろ	
		Intel(R) Gigabit Ethernet Linux	GNU General Public License	別紙3	
		driver	version 2	力小人	
		Broadcom Tigon3 ethernet driver	GNU General Public License	別紙3	
		Broadcom rigono emernet driver	version 2	77/11/12/	
		ACL	GNU General Public License	別紙3	
		TIOL .	version 2	77.1/15/ 0	
		ACL	GNU LESSER GENERAL	別紙5	
		TIOL .	PUBLIC LICENSE Version 2.1	33,3/124, 6	
		ACPI Event Daemon	GNU General Public License	別紙3	
		ATT Comment	version 2	別紙3	
		AT Command	GNU General Public License version 2	万川和氏る	
		attr (filesystem extended attributes)	GNU General Public License version 2	別紙3	
		attr (filesystem extended attributes)	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		Audit	GNU General Public License version 2	別紙3	
		Audit	GNU LESSER GENERAL	別紙5	
		114410	PUBLIC LICENSE Version 2.1	73/3/184 0	
		basesystem	Public Domain		
		Bash	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		bc	GNU General Public License version 2	別紙3	
		Binutils	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	

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		bridge-utils	GNU General Public License	別紙3
			version 2	
		ca-certificates	Public Domain	_
		genisoimage	GNU General Public License	別紙3
			version 2	7.5.77
		checkpolicy	GNU General Public License version 2	別紙3
		chkconfig	GNU General Public License version 2	別紙3
		ConsoleKit	GNU General Public License version 2	別紙3
			MIT License	別紙21
		C		
		Coreutils	GNU GENERAL PUBLIC LICENSE Version 3	別紙11
		CrackLib	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5
		Cronie	MIT License	別紙28
			BSD License	
			ISC License	
			GNU General Public License	別紙3
			version 2	
		crontabs	GNU General Public License version 2	別紙3
		LUKS(Linux Unified Key Setup)	GNU General Public License version 2	別紙3
		Cyrus SASL Library	BSD License	別紙47
		DASH	BSD License	別紙66
		Oracle Berkeley DB 4	Sleepycat and BSD	別紙12
		D-Bus	Academic Free	別紙22
		D-Bus	License version 2.1	为水式 乙 乙
			GNU General Public License	
			version 2	
		ISC DHCP	ISC License	別紙18
		Diffutils	GNU General Public License version 2	別紙3
		dmraid-events	GNU General Public License version 2	別紙3
		Dnsmasq	GNU General Public License version 2	別紙3
		dosfstools	GNU GENERAL PUBLIC LICENSE Version 3	別紙11
		dracut	GNU General Public License version 2	別紙3
		e2fsprogs	MIT License	別紙16
			GNU General Public License version 2	別紙3
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5
		Ed (A line-oriented text editor)	GNU GENERAL PUBLIC LICENSE Version 3	別紙11

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		EggDBus	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		Elfutils	GNU General Public License version 2	別紙3	
		Ethtool	GNU General Public License	別紙3	
		Expat XML Parser	version 2 MIT License	別紙59	
		file command	BSD License	別紙13	
		filesystem	Public Domain		
		Findutils	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		finger	BSD License	別紙32	
		fipscheck	BSD License	別紙35	
		ftp	BSD License	別紙32	
		Gamin	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		Gawk	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		GCC(GNU Compiler Collection)	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
			GNU General Public License version 2	別紙3	
		GNU dbm	GNU General Public License version 2	別紙3	
		glib2	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		GMP	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
			GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
			GNU LESSER GENERAL PUBLIC LICENSE Version 3	別紙23	
		Grep	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		GNU troff	GNU General Public License version 2	別紙3	
			GNU Free Documentation License Version 1.3	別紙65	
		grubby	GNU General Public License version 2	別紙3	
		gzip	GNU General Public License version 2	別紙3	
			GNU Free Documentation License Version 1.3	別紙65	
		Hardware Abstraction Layer	Academic Free License version 2.1	別紙22	
			GNU General Public License version 2	別紙3	
		hesiod	MIT License	別紙21	

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		hicolor-icon-theme	GNU GENERAL PUBLIC LICENSE	別紙17	
		hwdata	GNU General Public License version 2	別紙3	
		initscript	GNU General Public License version 2	別紙3	
		iproute	GNU General Public License version 2	別紙3	
		iptables	Public Domain GNU General Public License	— 別紙3	
		IP Tables State	version 2 zlib license	別紙68	
		iputils	BDS License	別紙32	
		- Proces	GNU General Public License version 2	別紙3	
			Rdisc License	別紙64	
		iscsi-initiator-utils	GNU General Public License version 2	別紙3	
		JasPer	JasPer License Version 2.0	別紙15	
		Linux keyboard tools	GNU General Public License version 2	別紙3	
		KBD	GNU General Public License version 2	別紙3	
		kernel	GNU GENERAL PUBLIC LICENSE GNU General Public License version 2 MIT License	別紙80	
		keyutils	GNU General Public License version 2	別紙3	
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		krb5-devel	MIT License	別紙33	
		Kerberos	MIT License	別紙33	
		Less	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		Linux-native asynchronous I/O	GNU General Public License version 2	別紙3	
		libcap	BSD License	別紙31	
		libcap-ng	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		libdaemon	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		Editline Library	BSD License	別紙42	
		libffi	MIT License	別紙81	
		Libidn	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	

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			GNU Free Documentation License	別紙65
			Version 1.3	
		libjpeg-turbo	wxWidgets	別紙24
		netfilter	GNU General Public License	別紙3
			version 2	
		libnih	GNU General Public License	別紙3
			version 2	
		libpcap	BSD License	別紙43
		Portable Network Graphics	libpng License	別紙62
		libselinux	Public Domain	
		libsepol	GNU LESSER GENERAL	別紙5
		Посерог	PUBLIC LICENSE Version 2.1	73-37/124 (0
		LibTIFF	LibTIFF Software License	別紙41
		libusb	GNU LESSER GENERAL	別紙5
		III) (II)	PUBLIC LICENSE Version 2.1	WANTA O
		libuser	GNU LESSER GENERAL	別紙5
		IIDUSEI	PUBLIC LICENSE Version 2.1	7J.1VEY O
		libutempter	GNU LESSER GENERAL	別紙5
			PUBLIC LICENSE Version 2.1	万小八〇
		lockdev	GNU LESSER GENERAL	別紙5
		lockdev	PUBLIC LICENSE Version 2.1	カリ州人 ひ
		logrotate	GNU General Public License	別紙3
		logrotate	version 2	カリ州人 ろ
		lsof	zlib License	別紙49
			GNU General Public License	別紙3
		Device-mapper		为17年3
			version 2 GNU LESSER GENERAL	別紙5
				万川和 5
		M4	PUBLIC LICENSE Version 2.1 GNU GENERAL PUBLIC	別紙11
		M4		万川和八 1 1
		*1	LICENSE Version 3	
		mailcap	Public Domain	
		TT - 11	MIT License	THAT O O
		Heirloom mailx	BDS License	別紙82
		26.1	Mozilla Public License Version 1.1	Enlarg o
		Make	GNU General Public License	別紙3
			version 2	Enlarg o
		LANANA Linux Device List	GNU General Public License	別紙3
			version 2	Bulket o
		mgetty	GNU General Public License	別紙3
		11.7	version 2	Entert o
		small Linux console getty	GNU General Public License	別紙3
			version 2	Bullet c
		module-init-tools	GNU General Public License	別紙3
		) MIND	version 2	Bullet c
		MTR	GNU General Public License	別紙3
			version 2	B-17-5
		nc	BSD License	別紙32
		Neurses	MIT License	別紙21
		Netpbm	The most common netpbm license	別紙70
			BSD License	別紙27

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			GNU General Public License	別紙3		
			version 2			
			The Independent JPEG Group	別紙71		
			license			
			Public domain:	別紙72		
			Public domain, slightly different wording	別紙73		
			A variation on the BSD license	別紙74		
		net-tools	GNU GENERAL PUBLIC LICENSE	別紙17		
		newt	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5		
		nkf	_	別紙20		
		Netscape Portable Runtime	Mozilla Public License Version 2.0	別紙63		
		Network Security Services	Mozilla Public License Version 2.0	別紙63		
		(NSS)	Mozilla Public License Version 1.1	別紙69		
			GNU General Public License version 2	別紙3		
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5		
		NTP (Network Time Protocol)	MIT License	別紙21		
			BDS License	別紙32		
			GNU General Public License version 2	別紙3		
		ntpdate	MIT License	別紙21		
		· ·	BDS License	別紙32		
			GNU General Public License version 2	別紙3		
		numactl	GNU General Public License version 2	別紙3		
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5		
		OpenLDAP	OpenLDAP Public License Version 2.8	別紙37		
		OpenSSH	BSD License	別紙46		
		ORBit2	GNU General Public License version 2	別紙3		
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5		
		Pluggable Authentication Modules	BSD License	別紙34		
		passwd	BSD License	別紙27		
		PAX	BSD License	別紙75		
		PCI Utilities	GNU General Public License version 2	別紙3		
		Perl Compatible Regular Expressions	BSD License	別紙40		
		perl-String-CRC32	Public Domain	_		

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			version 2		
		plymouth	GNU General Public License	別紙3	
			version 2		
		policycoreutils	GNU General Public License	別紙3	
			version 2		
		polkit (PolicyKit)	GNU LESSER GENERAL	別紙5	
			PUBLIC LICENSE Version 2.1		
		popt	MIT License	別紙39	
		ppp (Paul's PPP Package)	BSD License	別紙83	
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
			GNU General Public License	別紙3	
			version 2		
			Public Domain	_	
		procmail	GNU General Public License	別紙3	
			version 2		
			Artistic License	別紙76	
		Procps	GNU General Public License	別紙3	
			version 2	7	
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		psacct	GNU General Public License	別紙3	
		psacer	version 2	73 3/124 3	
			Public Domain	_	
		psmisc	GNU General Public License	別紙3	
		poimoc	version 2	73 3/124 0	
		rdate	GNU General Public License	別紙3	
			version 2	73 3/124 3	
		Readline	GNU GENERAL PUBLIC	別紙11	
			LICENSE Version 3	73 3/11 1 = 1	
		redhat-release	GNU General Public License	別紙3	
			version 2	73 3/124 3	
		rootfiles	Public Domain	_	
		rsh	BSD License	別紙32	
		rsyslog	GNU GENERAL PUBLIC	別紙11	
			LICENSE Version 3	737/24 1	
			GNU LESSER GENERAL	別紙23	
			PUBLIC LICENSE Version 3	7. 7.1. 1 = -	
			Apache License Version 2.0	別紙36	
		sed	GNU General Public License	別紙3	
			version 2	74 4 16 4 5	
		sendmail	SENDMAIL LICENSE	別紙77	
		ser2net	GNU GENERAL PUBLIC	別紙17	
			LICENSE	74 4/16 V ± 1	
		setserial	GNU GENERAL PUBLIC	別紙17	
			LICENSE	73 4/15/4 I	
		Setup	Public Domain	_	
		sgpio	GNU General Public License	別紙3	
	4	105010	TOTAL GEHELALL UDIIC LICELISE	コカカ州 ひ	

文	対象製品		第三者ソフトウェア	5三者ソフトウェア	
名称	バージョン	名称	ライセンス名称	使用許諾内容	
		shadow tool	BSD License	別紙14	
		Shadow tool	GNU General Public License	別紙3	
			version 2	73-37194 0	
		S-Lang	GNU General Public License version 2	別紙3	
		sudo	ISC License	別紙84	
		symlinks	Copyright only	別紙78	
		libsysfs	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
			GNU General Public License version 2	別紙3	
		sysstat	GNU General Public License version 2	別紙3	
		sysvinit	GNU General Public License version 2	別紙3	
		Tar	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		tcp_wrappers	BSD License	別紙51	
		tcpdump	BSD License	別紙48	
		telnet	BSD License	別紙32	
		Texinfo	GNU GENERAL PUBLIC LICENSE Version 3	別紙11	
		TFTP	BSD License	別紙32	
		time command	GNU General Public License version 2	別紙3	
		tmpwatch	GNU General Public License version 2	別紙3	
		traceroute	GNU General Public License version 2	別紙3	
		Time Zone Database	Public Domain	_	
		libudev	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
			GNU General Public License version 2	別紙3	
		UnZip	BSD License	別紙30	
		Upstart	GNU General Public License version 2	別紙3	
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5	
		USB utilities	GNU General Public License version 2	別紙3	
		usermode	GNU General Public License version 2	別紙3	
		libblkid	GNU General Public License version 2	別紙3	
		libuuid	BSD License	別紙32	
		util-linux-ng	GNU GENERAL PUBLIC LICENSE	別紙17	

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			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5
			MIT License	別紙21
			BSD License	別紙26
			Public Domain	
		vconfig	GNU General Public License version 2	別紙3
		vim	vim License	別紙85
			BSD License	別紙38
			GNU General Public License version 2	別紙3
			GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5
			Open Publication License	別紙79
		secure and fastest FTP server	GNU General Public License version 2	別紙29
		which	GNU GENERAL PUBLIC LICENSE Version 3	別紙11
		WPA/WPA2/IEEE 802.1X Supplicant	BSD License	別紙86
		xinetd	xinetd	別紙57
		zip	BSD License	別紙50
		Simple HTTPD	THE BEER-WARE LICENSE	別紙61
		libtool-ltdl	GNU LESSER GENERAL PUBLIC LICENSE Version 2.1	別紙5

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Version 2, June 1991

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.8, April 28th, 2013

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Theodore Ts'o
23-June-2007

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libjpeg-turbo is a derivative of libjpeg that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as the unmodified version of libjpeg, all else being equal.

libjpeg-turbo was originally based on libjpeg/SIMD by Miyasaka Masaru, but the TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, including improved support for Mac OS X, 64-bit support, support for 32-bit and big-endian pixel formats (RGBX, XBGR, etc.), accelerated Huffman encoding/decoding, and various bug fixes. The goal was to produce a fully open-source codec that could replace the partially closed-source TurboJPEG/IPP codec used by VirtualGL and TurboVNC. libjpeg-turbo generally achieves 80-120% of the performance of TurboJPEG/IPP. It is faster in some areas but slower in others.

In early 2010, libjpeg-turbo spun off into its own independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG/OSS wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

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libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

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Replacing libjpeg at Run Time

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If a Unix application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD\_LIBRARY\_PATH. For instance:

```
[Using libjpeg]
```

> time cjpeg <vgl\_5674\_0098.ppm >vgl\_5674\_0098.jpg

 $real \quad 0m0.392s$ 

user 0m0.074s

sys 0m0.020s

## [Using libjpeg-turbo]

> export LD\_LIBRARY\_PATH=/opt/libjpeg-turbo/{lib}:\$LD\_LIBRARY\_PATH

 $> time \ cjpeg < vgl_5674\_0098.ppm > vgl_5674\_0098.jpg$ 

real 0m0.109s

user 0m0.029s

sys 0m0.010s

NOTE: {lib} can be lib, lib32, lib64, or lib/64, depending on the O/S and architecture.

System administrators can also replace the libjpeg sym links in /usr/{lib} with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

The libjpeg-turbo SDK for Visual C++ installs the libjpeg-turbo DLL (jpeg62.dll, jpeg7.dll, or jpeg8.dll, depending on whether it was built with libjpeg v6b, v7, or v8 emulation) into c:\[
\frac{1}{2}\] libjpeg-turbo[64]\[
\frac{1}{2}\] bin, and the PATH environment variable can be modified such that this directory is searched before any others that might contain a libjpeg DLL. However, if a libjpeg DLL exists in an application's install directory, then Windows will load this DLL first whenever the application is launched. Thus, if an application ships with jpeg62.dll, jpeg7.dll, or jpeg8.dll, then back up the application's version of this DLL and copy c:\[
\frac{1}{2}\] libjpeg-turbo[64]\[
\frac{1}{2}\] bin\[
\frac{1}{2}\] jpeg\*.dll into the application's install directory to accelerate it.

The version of the libjpeg-turbo DLL distributed in the libjpeg-turbo SDK for Visual C++ requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

NOTE: Features of libjpeg that require passing a C run-time structure, such as a file handle, from an application to libjpeg will probably not work with the version of the libjpeg-turbo DLL distributed in the libjpeg-turbo SDK for Visual C++, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg\_stdio\_dest() and jpeg stdio src().

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. If an application uses a shared library version of libjpeg, then it may be possible to replace the application's version of it. This would generally involve copying libjpeg.\*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install\_name\_tool to repoint the dylib to the new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

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## Replacing TurboJPEG/IPP

libjpeg-turbo is a drop-in replacement for the TurboJPEG/IPP SDK used by VirtualGL 2.1.x and TurboVNC 0.6 (and prior.) libjpeg-turbo contains a wrapper library (TurboJPEG/OSS) that emulates the TurboJPEG API using libjpeg-turbo instead of the closed-source Intel Performance Primitives. You can replace the TurboJPEG/IPP package on Linux systems with the libjpeg-turbo package in order to make existing releases of VirtualGL 2.1.x and TurboVNC 0.x use the new codec at run time. Note that the 64-bit libjpeg-turbo packages contain only 64-bit binaries, whereas the TurboJPEG/IPP 64-bit packages contained both 64-bit and 32-bit binaries. Thus, to replace a TurboJPEG/IPP 64-bit package, install both the 64-bit and 32-bit versions of libjpeg-turbo.

You can also build the VirtualGL 2.1.x and TurboVNC 0.6 source code with the libjpeg-turbo SDK instead of TurboJPEG/IPP. It should work identically. libjpeg-turbo also includes static library versions of TurboJPEG/OSS, which are used to build VirtualGL 2.2 and TurboVNC 1.0 and later.

Using libjpeg-turbo in Your Own Programs

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For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Unix systems (including Cygwin), you can build against libjpeg-turbo instead of libjpeg by setting

CPATH=/opt/libjpeg-turbo/include and LIBRARY\_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

CPATH=/c/libjpeg-turbo-gcc[64]/include and LIBRARY\_PATH=/c/libjpeg-turbo-gcc[64]/lib

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Linux and Solaris systems, you would still need to manipulate LD\_LIBRARY\_PATH or create appropriate sym links to use libjpeg-turbo at run time. On such systems, you can pass -R /opt/libjpeg-turbo/{lib} to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Linux, Solaris, or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

-Wl,-Bstatic -lipeg -Wl,-Bdynamic

On OS X, simply add/opt/libjpeg-turbo/lib/libjpeg.a to the linker command line (this also works on Linux and Solaris.)

To build Visual C++ applications using libjpeg-turbo, add c:\[absolute{4}\] winclude to the system or user INCLUDE environment variable and c:\[absolute{4}\] with bippeg-turbo [64] with the system or user LIB environment variable, and then link against either jpeg.lib (to use the DLL version of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

Colorspace Extensions

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

```
JCS_EXT_RGB /* red/green/blue */
JCS_EXT_RGBX /* red/green/blue/x */
JCS_EXT_BGR /* blue/green/red */
JCS_EXT_BGRX /* blue/green/red/x */
JCS_EXT_XBGR /* x/blue/green/red */
JCS_EXT_XRGB /* x/red/green/blue */
JCS_EXT_RGBA /* red/green/blue/alpha */
JCS_EXT_BGRA /* blue/green/red/alpha */
JCS_EXT_ABGR /* alpha/blue/green/red */
JCS_EXT_ARGB /* alpha/red/green/blue */
```

Setting cinfo.in\_color\_space (compression) or cinfo.out\_color\_space (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

## #ifdef JCS EXTENSIONS

At run time, attempting to use these extensions with a version of libjpeg that doesn't support them will result in a "Bogus input colorspace" error.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify JCS\_EXT\_RGBA, JCS\_EXT\_ABGR, or JCS\_EXT\_ARGB. When these colorspace constants are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

## #ifdef JCS\_ALPHA\_EXTENSIONS

jcstest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

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libjpeg v7 and v8 API/ABI support

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With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that are built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) have made the switch that it was desirable to provide support for the libjpeg v7/v8 API/ABI in libjpeg-turbo. Although libjpeg-turbo can now be configured as a drop-in replacement for libjpeg v7 or v8, it should be noted that not all of the features in libjpeg v7 and v8 are supported (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH\_JPEG7=1 or -DWITH\_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 API/ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

libjpeg v7 and v8 Features:

-----

Fully supported:

-- cjpeg: Separate quality settings for luminance and chrominance

Note that the libpjeg v7+API was extended to accommodate this feature only
for convenience purposes. It has always been possible to implement this
feature with libjpeg v6b (see rdswitch.c for an example.)

- -- cjpeg: 32-bit BMP support
- -- jpegtran: lossless cropping
- -- jpegtran: -perfect option
- -- rdjpgcom: -raw option
- -- rdjpgcom: locale awareness

Fully supported when using libjpeg v7/v8 emulation:

-- libjpeg: In-memory source and destination managers

Not supported:

- -- libjpeg: DCT scaling in compressor cinfo.scale\_num and cinfo.scale\_denom are silently ignored.

  There is no technical reason why DCT scaling cannot be supported, but without the SmartScale extension (see below), it would only be able to down-scale using ratios of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9, which is of limited usefulness.
- libjpeg: SmartScale
   cinfo.block\_size is silently ignored.
   SmartScale is an extension to the JPEG format that allows for DCT block
   sizes other than 8x8. It would be difficult to support this feature while
   retaining backward compatibility with libjpeg v6b.
- -- libjpeg: IDCT scaling extensions in decompressor libjpeg-turbo still supports IDCT scaling with scaling factors of 1/2, 1/4, and 1/8 (same as libjpeg v6b.)

- libjpeg: Fancy downsampling in compressor cinfo.do\_fancy\_downsampling is silently ignored.
   This requires the DCT scaling feature, which is not supported.
- -- jpegtran: Scaling This requires both the DCT scaling and SmartScale features, which are not supported.
- -- Lossless RGB JPEG files

  This requires the SmartScale feature, which is not supported.

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

Fast Integer Forward DCT at High Quality Levels

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization

function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

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Julian Seward, jseward@bzip.org						
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `src/lib/gssapi', including the following files:

lib/gssapi/generic/gssapi err generic.et

lib/gssapi/mechglue/g\_accept\_sec\_context.c

lib/gssapi/mechglue/g\_acquire\_cred.c

lib/gssapi/mechglue/g\_canon\_name.c

lib/gssapi/mechglue/g\_compare\_name.c

lib/gssapi/mechglue/g\_context\_time.c

lib/gssapi/mechglue/g\_delete\_sec\_context.c

lib/gssapi/mechglue/g\_dsp\_name.c

lib/gssapi/mechglue/g\_dsp\_status.c

lib/gssapi/mechglue/g\_dup\_name.c

lib/gssapi/mechglue/g\_exp\_sec\_context.c

lib/gssapi/mechglue/g\_export\_name.c

lib/gssapi/mechglue/g\_glue.c

lib/gssapi/mechglue/g\_imp\_name.c

lib/gssapi/mechglue/g\_imp\_sec\_context.c

lib/gssapi/mechglue/g\_init\_sec\_context.c

lib/gssapi/mechglue/g\_initialize.c

lib/gssapi/mechglue/g\_inquire\_context.c

lib/gssapi/mechglue/g\_inquire\_cred.c

lib/gssapi/mechglue/g\_inquire\_names.c

lib/gssapi/mechglue/g\_process\_context.c

lib/gssapi/mechglue/g\_rel\_buffer.c

lib/gssapi/mechglue/g\_rel\_cred.c

lib/gssapi/mechglue/g\_rel\_name.c

lib/gssapi/mechglue/g\_rel\_oid\_set.c

lib/gssapi/mechglue/g\_seal.c

lib/gssapi/mechglue/g\_sign.c

lib/gssapi/mechglue/g\_store\_cred.c

lib/gssapi/mechglue/g\_unseal.c

lib/gssapi/mechglue/g\_userok.c

lib/gssapi/mechglue/g\_utils.c

lib/gssapi/mechglue/g\_verify.c

lib/gssapi/mechglue/gssd\_pname\_to\_uid.c lib/gssapi/mechglue/mglueP.h lib/gssapi/mechglue/oid\_ops.c lib/gssapi/spnego/gssapiP\_spnego.h lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop\_hdr.h kadmin/server/ipropd\_svc.c lib/kdb/iprop.x lib/kdb/kdb\_convert.c lib/kdb/kdb\_log.c lib/kdb/kdb\_log.h lib/krb5/error\_tables/kdb5\_err.et slave/kpropd\_rpc.c slave/kproplog.c

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\* @version 3.0 (December 2000)

\*

\* Optimised ANSI C code for the Rijndael cipher (now AES)

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- \*@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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File: korg/k1212.dsp

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File: advansys/mcode.bin
File: advansys/3550.bin

File: advansys/38C0800.bin

File: advansys/38C1600.bin
Licence: BSD, no source available.
Found in hex form in kernel source.
Driver: SCSI_QLOGIC_1280 - Qlogic QLA 1240/1x80/1x160 SCSI support
File: qlogic/1040.bin
File: qlogic/1280.bin
File: qlogic/12160.bin
Licence: Allegedly GPLv2+, but no source visible. Marked:
QLOGIC LINUX SOFTWARE
QLogic ISP1280/ device driver for Linux 2.2.x and 2.4.x
Copyright (C) 2001 Qlogic Corporation (www.qlogic.com)
Driver: smctr SMC ISA/MCA Token Ring adapter
File: tr_smctr.bin
Info: MCT.BIN v6.3C1 03/01/95
Original licence info:
* This firmware is licensed to you strictly for use in conjunction
$\mbox{\ensuremath{^{\star}}}$ with the use of SMC Token Ring adapters. There is no waranty
* expressed or implied about its fitness for any purpose.

Driver: kaweth -- USB KLSI KL5USB101-based Ethernet device

File: kaweth/new\_code.bin File: kaweth/new\_code\_fix.bin File: kaweth/trigger\_code.bin File: kaweth/trigger\_code\_fix.bin Licence: Unknown Found in hex form in the kernel source. Driver: ttusb-budget -- Technotrend/Hauppauge Nova-USB devices File: ttusb-budget/dspbootcode.bin Licence: Unknown Found in hex form in the kernel source. Driver: keyspan -- USB Keyspan USA-xxx serial device File: keyspan/mpr.fw File: keyspan/usa18x.fw File: keyspan/usa19.fw File: keyspan/usa19qi.fw File: keyspan/usa19qw.fw File: keyspan/usa19w.fw File: keyspan/usa28.fw

File: keyspan/usa28xa.fw File: keyspan/usa28xb.fw File: keyspan/usa28x.fw File: keyspan/usa49w.fw File: keyspan/usa49wlc.fw Converted from Intel HEX files, used in our binary representation of ihex.

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Driver: keyspan\_pda -- USB Keyspan PDA single-port serial device

File: keyspan\_pda/keyspan\_pda.fw Source: keyspan\_pda/keyspan\_pda.S

File: keyspan\_pda/xircom\_pgs.fw Source: keyspan\_pda/xircom\_pgs.S

Licence: GPLv2+

Compiled from original 8051 source into Intel HEX, used in our binary ihex form.

.....

Driver: emi26 -- EMI 2 | 6 USB Audio interface

File: emi26/bitstream.fw

Info: VERSION=1.1.1.131 DATE=2001dec06

File: emi26/firmware.fw

Info: VERSION=1.0.2.916 DATE=12.02.2002

File: emi26/loader.fw

Converted from Intel HEX files, used in our binary representation of ihex.

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\*/

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Driver: emi62 -- EMI 6 | 2m USB Audio interface

File: emi62/bitstream.fw

Info: VERSION=1.0.0.191 DATE= 2002oct28

File: emi62/loader.fw

Source: EMILOAD.HEX

Info: VERSION=1.0.2.002 DATE=10.01.2002

File: emi62/midi.fw

Source: EMI62MFW.HEX

Info: VERSION=1.04.062 DATE=16.10.2002

File: emi62/spdif.fw

Source: EMI62SFW.HEX

Info: VERSION=1.04.062 DATE=16.10.2002

Converted from Intel HEX files, used in our binary representation of ihex.

Original licence information: None

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Driver: ti\_usb\_3410\_5052 -- USB TI 3410/5052 serial device

File: ti\_3410.fw

Info: firmware 9/10/04 FW3410\_Special\_StartWdogOnStartPort

File:  $ti_5052.fw$ 

Info: firmware 9/18/04

Licence: Allegedly GPLv2+, but no source visible. Marked: Copyright (C) 2004 Texas Instruments

Found in hex form in kernel source.

Driver: ti_usb_3410_5052 Multi-Tech USB cell modems
File: mts_cdma.fw
File: mts_gsm.fw
File: mts_edge.fw
Licence: "all firmware components are redistributable in binary form"
per support@multitech.com
Copyright (C) 2005 Multi-Tech Systems, Inc.
Found in hex form in ftp://ftp.multitech.com/wireless/wireless_linux.zip
Driver: whiteheat USB ConnectTech WhiteHEAT serial device
Diffuel willteneat USB Conflectied willtenizar serial device
File: whiteheat.fw
Version: 4.06
File: whiteheat_loader.fw
File: whiteheat_loader_debug.fw
Licence: Allegedly GPLv2, but no source visible. Marked:
Copyright (C) 2000-2002 ConnectTech Inc
Debug loader claims the following behaviour:
Port 1 LED flashes when the vend_ax program is running
Port 2 LED flashes when any SETUP command arrives
Port 3 LED flashes when any valid VENDOR request occurs
Port 4 LED flashes when the EXTERNAL RAM DOWNLOAD request occurs
Converted from Intel HEX files, used in our binary representation of ihex.

Driver: ip2 Computone IntelliPort Plus serial device
File: intelliport2.bin
Licence: Unknown
Found in hex form in kernel source.
Driver: CPiA2 cameras based on Vision's CPiA2
File: cpia2/stv0672_vp4.bin
Licence: Allegedly GPLv2+, but no source visible. Marked:
Copyright (C) 2001 STMicroelectronics, Inc.
Contact: steve.miller@st.com
Description: This file contains patch data for the CPiA2 (stv0672) VP4.
Found in hex form in kernel source.
Driver: DABUSB Digital Audio Broadcasting (DAB) Receiver for USB and Linux
File: dabusb/firmware.fw
File: dabusb/bitstream.bin
Licence: Distributable
* Copyright (C) 1999 BayCom GmbH *
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Driver: USB_VICAM USB 3com HomeConnect (aka vicam)
File: vicam/firmware.fw
Licence: Unknown
Found in hex form in kernel source.
Driver: USB_SERIAL_EDGEPORT - USB Inside Out Edgeport Serial Driver
File: edgeport/boot.fw
File: edgeport/boot2.fw
File: edgeport/down.fw
File: edgeport/down2.fw
Licence: Allegedly GPLv2+, but no source visible. Marked:
//***************
//* Edgeport/4 Binary Image
//* Generated by HEX2C v1.06
//* Copyright (C) 1998 Inside Out Networks, All rights reserved.
//***************
Found in hex form in kernel source.
Driver: USB_SERIAL_EDGEPORT_TI - USB Inside Out Edgeport Serial Driver (TI Devices)
File: edgeport/down3.bin

//\* //\* Edgeport Binary Image (for TI based products) //\* Generated by TIBin2C v2.00 (watchport) //\* Copyright (C) 2001 Inside Out Networks, All rights reserved. //\* Found in hex form in kernel source. Driver: ATARI\_DSP56K - Atari DSP56k support File: dsp56k/bootstrap.bin Source: dsp56k/bootstrap.asm Licence: GPLv2 or later DSP56001 assembler, possibly buildable with a56 from http://www.zdomain.com/a56.html Driver: SND\_SB16\_CSP - Sound Blaster 16/AWE CSP support File: sb16/mulaw\_main.csp File: sb16/alaw\_main.csp File: sb16/ima\_adpcm\_init.csp File: sb16/ima\_adpcm\_playback.csp File: sb16/ima\_adpcm\_capture.csp

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Found in hex form in kernel source.
Driver: CASSINI - Sun Cassini
File: sun/cassini.bin
Licence: Unknown
Found in hex form in kernel source.
Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter
File: cxgb3/t3b_psram-1.1.0.bin.ihex
File: cxgb3/t3c_psram-1.1.0.bin.ihex
file: cxgb3/t3fw-7.4.0.bin.ihex
License: GPLv2 or OpenIB.org BSD license, no source visible
Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter
File: cxgb3/ael2005_opt_edc.bin.ihex
File: cxgb3/ael2005_twx_edc.bin.ihex
File: cxgb3/ael2020_twx_edc.bin.ihex

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Driver: e100 Intel PRO/100 Ethernet NIC
File: e100/d101m_ucode.bin
File: e100/d101s_ucode.bin
File: e100/d102e_ucode.bin
Licence: Unknown
Found in hex form in kernel source.
Driver: acenic Alteon AceNIC Gigabit Ethernet card
File: acenic/tg1.bin
File: acenic/tg2.bin
Licence: Unknown
Found in hex form in kernel source, but source allegedly available at
http://alteon.shareable.org/
Driver: tigon3 Broadcom Tigon3 based gigabit Ethernet cards
File: tigon/tg3.bin
File: tigon/tg3_tso.bin
File: tigon/tg3_tso5.bin

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Driver: ADAPTEC\_STARFIRE - Adaptec Starfire/DuraLAN support

File: adaptec/starfire\_rx.bin File: adaptec/starfire\_tx.bin

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File: tehuti/bdx.bin

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Driver: TYPHOON - 3cr990 series Typhoon

File: 3com/typhoon.bin

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Driver: YAM - YAM driver for AX.25
File: yam/1200.bin
File: yam/9600.bin
Licence:
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Found in hex form in kernel source.
Driver: 3C359 - 3Com 3C359 Token Link Velocity XL adapter
File: 3com/3C359.bin

```
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 * waranty expressed or implied about its fitness for any purpose.
/* 3c359_microcode.mac: 3Com 3C359 Tokenring microcode.
 * Notes:
 * - Loaded from xl_init upon adapter initialization.
 * Available from 3Com as part of their standard 3C359 driver.
Found in hex form in kernel source.
Driver: PCMCIA_PCNET - NE2000 compatible PCMCIA adapter
File: cis/LA-PCM.cis
      cis/PCMLM28.cis
      cis/DP83903.cis
      cis/NE2K.cis
      cis/tamarack.cis
      cis/PE-200.cis
Licence: GPL
Originally developed by the pcmcia-cs project
```

Driver: PCMCIA_3C589 - 3Com PCMCIA adapter
File: cis/3CXEM556.cis
Licence: GPL
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Driver: PCMCIA_3C574 - 3Com PCMCIA adapter
File: cis/3CCFEM556.cis
Licence: GPL
Originally developed by the pcmcia-cs project
Driver: SERIAL_8250_CS - Serial PCMCIA adapter
File: cis/MT5634ZLX.cis
cis/RS-COM-2P.cis
cis/COMpad2.cis
cis/COMpad4.cis
cis/SW_555_SER.cis
cis/SW_7xx_SER.cis
cis/SW_8xx_SER.cis
Licence: GPL
Originally developed by the pcmcia-cs project

Driver: PCMCIA_SMC91C92 - SMC 91Cxx PCMCIA
File: ositech/Xilinx7OD.bin
Licence: Allegedly GPL, but no source visible. Marked: This file contains the firmware of Seven of Diamonds from OSITECH (Special thanks to Kevin MacPherson of OSITECH)
Found in hex form in kernel source.
Driver: SCSI_QLOGICPTI - PTI Qlogic, ISP Driver
File: qlogic/isp1000.bin
Licence: Unknown
Found in hex form in kernel source.
Driver: MYRI_SBUS - MyriCOM Gigabit Ethernet
File: myricom/lanai.bin
Licence: Unknown
Found in hex form in kernel source.
Driver: bnx2x: Broadcom Everest

File: bnx2x/bnx2x-e1-6.2.9.0.fw

File: bnx2x/bnx2x-e1h-6.2.9.0.fw

File: bnx2x/bnx2x-e2-6.2.9.0.fw

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Driver: BNX2 - Broadcom NetXtremeII

File: bnx2/bnx2-mips-06-6.2.1.fw

File: bnx2/bnx2-rv2p-06-6.0.15.fw

File: bnx2/bnx2-mips-09-6.2.1a.fw

File: bnx2/bnx2-rv2p-09-6.0.17.fw

File: bnx2/bnx2-rv2p-09ax-6.0.17.fw

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Driver: DVB AV7110 AV7110 cards
File: av7110/bootcode.bin
Licence: GPLv2 or later
ARM assembly source code available at http://www.linuxtv.org/downloads/firmware/Boot.S
Driver: wavefront - ISA WaveFront sound card
File: yamaha/yss225_registers.bin
Licence: Allegedly GPLv2+, but no source visible.
Found in hex form in kernel source, with the following comment:  Copyright (c) 1998-2002 by Paul Davis <pbd@op.net></pbd@op.net>
Driver: mga - Matrox G200/G400/G550
File: matrox/g200_warp.fw File: matrox/g400_warp.fw
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Driver: r128 - ATI Rage 128
File: r128/r128_cce.bin

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Found in decimal form in kernel source.	

Driver: radeon - ATI Radeon

 $File: rade on / R100\_cp.bin$ 

File: radeon/R200\_cp.bin

File: radeon/R300\_cp.bin

File: radeon/R420\_cp.bin

File: radeon/RS600\_cp.bin

File: radeon/RS690\_cp.bin

File: radeon/R520\_cp.bin

File: radeon/R600\_pfp.bin

 $File: rade on / R600\_me.bin$ 

File: radeon/RV610\_pfp.bin

File: radeon/RV610\_me.bin

 $File: rade on /RV 630\_pfp.bin$ 

File: radeon/RV630\_me.bin

File: radeon/RV620\_pfp.bin

File: radeon/RV620\_me.bin

File: radeon/RV635\_pfp.bin

File: radeon/RV635\_me.bin

File: radeon/RV670\_pfp.bin

File: radeon/RV670\_me.bin File: radeon/RS780\_pfp.bin File: radeon/RS780\_me.bin File: radeon/RV770\_pfp.bin File: radeon/RV770\_me.bin File: radeon/RV730\_pfp.bin File: radeon/RV730\_me.bin File: radeon/RV710\_pfp.bin

File: radeon/RV710 me.bin

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Driver: ib\_qib - QLogic Infiniband

File: qlogic/sd7220.fw

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Found in hex form in kernel source.	

Driver: netxen\_nic - NetXen Multi port (1/10) Gigabit Ethernet NIC

File: phanfw-4.0.588.bin Info: v4.0.588

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Driver: r8169 - RealTek 8169/8168/8101 ethernet driver.

File: rtl\_nic/rtl8168d-1.fw
File: rtl\_nic/rtl8168d-2.fw
File: rtl\_nic/rtl8105e-1.fw
File: rtl\_nic/rtl8168e-1.fw
File: rtl\_nic/rtl8168e-2.fw

File: rtl\_nic/rtl8168e-3.fw

Version: 0.0.4

File: rtl\_nic/rtl8168f-1.fw

Version: 0.0.5

File: rtl\_nic/rtl8168f-2.fw

Version: 0.0.4

File: rtl\_nic/rtl8411-1.fw

Version: 0.0.3

File: rtl\_nic/rtl8402-1.fw

Version: 0.0.1

File: rtl\_nic/rtl8106e-1.fw

Version: 0.0.1

File: rtl\_nic/rtl8168g-1.fw

Version: 0.0.2

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Driver: iwlwifi - Intel Wireless Wifi

File: iwlwifi-6000g2a-6.ucode

Info: v18.168.6.1

File: iwlwifi-6000g2b-6.ucode

Info: v18.168.6.1

File: iwlwifi-135-6.ucode

Info: v18.168.6.1

File: iwlwifi-105-6.ucode

Info: v18.168.6.1

File: iwlwifi-2030-6.ucode

Info: v18.168.6.1
File: iwlwifi-2000-6.ucode
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Driver: myri10ge - Myri10GE 10GbE NIC driver
File: myri10ge_eth_z8e.dat
File: myri10ge_ethp_z8e.dat
File: myri10ge_rss_eth_z8e.dat
File: myri10ge_rss_ethp_z8e.dat
Info: v1.4.52
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Driver: rt2800pci - Ralink RT2860, RT2890, RT3090, RT5390 wireless MACs
File: rt2860.bin
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```
/*
```

- \* imap\_gssapi.c is partially derived from sample code in:
- \* GSS-API Programming Guide
- \* Part No: 816-1331-11
- $^{\star}$  Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.

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Network Working Group

Category: Informational

Request for Comments: 2104

H. Krawczyk

M. Bellare

**IBM** 

350 / 381

UCSD R. Canetti IBM February 1997

## HMAC: Keyed-Hashing for Message Authentication

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Appendix -- Sample Code

Parts of nss.c are derived from the Mozilla NSS 3.9.2 source, mozilla/security/nss/cmd/smimetools/cmsutil.c. Therefore:

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Version 1.1

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Jean-loup Gailly Mark Adler

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\*uganda.txt\* For Vim version 7.2. Last change: 2008 Jun 21

VIM REFERENCE MANUAL by Bram Moolenaar

\*uganda\* \*Uganda\* \*copying\* \*copyright\* \*license\*

### **SUMMARY**

\*iccf\* \*ICCF\*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see | kcc | below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/ http://www.vim.org/iccf/ http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See | sponsor |. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see | manual-copyright |.

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- II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
  - 1) This license text must be included unmodified.
  - 2) The modified Vim must be distributed in one of the following five ways:
    - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes.
      - The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
    - b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
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    - d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official

- version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
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  after last distributing the corresponding modified Vim, or as long
  as possible.
- e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
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- 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.
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<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

#### Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a |sponsor|. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible.
   A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

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Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

- 1. Sponsor a child in primary school: 17 euro a month (or more).
- 2. Sponsor a child in secondary school: 25 euro a month (or more).
- 3. Sponsor the clinic: Any amount a month or quarter
- 4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre is co-sponsored and inspected by World Vision, Save the Children Fund and International Child Care Fund. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself in 1996, 1998, 2000, 2001 and 2003. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre p.o. box 1658 Masaka, Uganda, East Africa

Sending money:

\*iccf-donations\*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS)

is no longer possible, unfortunately. We are looking for

another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US

checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They

take care of the Canadian sponsors for the children in

Kibaale. KCF forwards 100% of the money to the project in

Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated

because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy

10238-168 Street

Surrey, B.C. V4N 1Z4

Canada

Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Venlo.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any

country, mostly from the post office. Use this name (which is

in my passport): "Abraham Moolenaar". Use Euro for the

currency if possible.

Europe:

Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift

code and IBAN number.

Any other method should work. Ask for information about

sponsorship.

Credit Card:

You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

https://www.paypal.com/en\_US/mrb/pal=XAC62PML3GF8Q

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others:

Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL47 PSTB 0004 5487 74

under the name "stichting ICCF Holland", Venlo

If that doesn't work:

Rabobank Venlo, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Venlo

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

stichting ICCF Holland

Bram Moolenaar Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

wpa\_supplicant and hostapd v0.6.x

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This package may include either wpa\_supplicant, hostapd, or both. See README file respective subdirectories (wpa\_supplicant/README or hostapd/README) for more details.

Source code files have been moved around in v0.6.x releases and compared to earlier releases, the programs are now build by first going to a subdirectory (wpa\_supplicant or hostapd) and creating build configuration (.config) and running 'make' there (for Linux/BSD/cygwin builds).

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