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Package List

パッケージリスト

alsa-conf-base alsa-lib alsa-state alsa-utils-alsactl alsa-utils-alsamixer alsa-utils-amixer
alsa-utils-aplay base-files base-passwd bluez4 busybox ca-certificates devmem2 directfb dleyna-connector-
dbus eglibc-gconv eglibc-gconv-utf-16 gstreamer1.0-libav
gstreamer1.0-plugins-bad-aiff gstreamer1.0-plugins-bad-bluez
gstreamer1.0-plugins-bad-mms gstreamer1.0-plugins-bad-mpegtsdemux
gstreamer1.0-plugins-bad-mpg123 gstreamer1.0-plugins-bad-opus
gstreamer1.0-plugins-bad-sbc gstreamer1.0-plugins-bad gstreamer1.0-plugins-base-adder gstreamer1.0-plugins-
base-alsa gstreamer1.0-plugins-base-audioconvert
gstreamer1.0-plugins-base-audiorate gstreamer1.0-plugins-base-audioresample gstreamer1.0-plugins-base-
audiotestsrc gstreamer1.0-plugins-base-encodebin
gstreamer1.0-plugins-base-ogg gstreamer1.0-plugins-base-playback
gstreamer1.0-plugins-base-tcp gstreamer1.0-plugins-base
gstreamer1.0-plugins-base-typefindfunctions gstreamer1.0-plugins-base-volume
gstreamer1.0-plugins-base-vorbis gstreamer1.0-plugins-good-apetag
gstreamer1.0-plugins-good-audioparsers gstreamer1.0-plugins-good-autodetect
gstreamer1.0-plugins-good-debug gstreamer1.0-plugins-good-flac
gstreamer1.0-plugins-good-icydemux gstreamer1.0-plugins-good-id3demux
gstreamer1.0-plugins-good-isomp4 gstreamer1.0-plugins-good-level
gstreamer1.0-plugins-good-multifile gstreamer1.0-plugins-good-multipart
gstreamer1.0-plugins-good-rtpmanager gstreamer1.0-plugins-good-rtp
gstreamer1.0-plugins-good-souphttpsrc gstreamer1.0-plugins-good
gstreamer1.0-plugins-good-udp gstreamer1.0-plugins-good-wavenc
gstreamer1.0-plugins-good-wavparse gstreamer1.0-plugins-ugly-asf

gstreamer1.0-plugins-ugly gstreamer1.0 gupnp-dlna init-ifupdown initscripts-functions initscripts
kernel-3.19.0 kernel-image-3.19.0 kernel-module-btmrvl-sdio
kernel-module-btmrvl kernel-module-mwifiex-sdio kernel-module-mwifiex kmod libasound2 libasound-
module-bluez libavahi-qt4-autoipd libblkid1 libc6 libdaemon0
libdley-na-core-1.0-1 libdley-na-server-1.0-1 libflac8 libgcc1 libgcrpt11 libgee-0.8-2
libglib-2.0-0 libgmp3 libgnutls28 libgpg-error0 libgssdp-1.0-3 libgstaudio-1.0-0 libgstmpgts-1.0-0
libgstpbutils-1.0-0 libgstriff-1.0-0 libgstrtp-1.0-0 libgstrtp-1.0-0 libgstsdsp-1.0-0 libgsttag-1.0-0
libgstvideo-1.0-0 libgupnp-1.0-4 libgupnp-av-1.0-2
libjson-sax1.0 libkmod2 liblzo2-2 libmms0 libnl-3-200 libnl-3-cli libnl-3-genl libnl-nf-3-200 libnl-
route-3-200 libopkg1 libqtcoree4 libqtdbuse4 libqtnetworke4 libqtxmle4 libreadline5 libsoup-2.4
libstdc++6 libsysfs2 libtag1 libts-1.0-0 libudev0 libusb-0.1-4 libusb-1.0-0 libuuid1 mpg123 mtd-utils
mtd-utils-ubifs netbase nettle psplash-default psplash rsync rygel sbc shared-mime-info-data shared-
mime-info sysfsutils sysvinit-inittab sysvinit-pidof sysvinit tslib-conf u-boot-stream800-fw-utils udev-cache
udev udev-utils
update-alternatives-opkg update-rc.d usbutils-ids usbutils wireless-tools libiconv
ethtool-4.0 rtwpriv

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Package List

パッケージリスト

ca-certificates

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curve25519-donna:

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curve25519-donna: Curve25519 elliptic curve, public key function
<http://code.google.com/p/curve25519-donna/>
Adam Langley <agl@imperialviolet.org>
Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

More information about curve25519 can be found here
<http://cr.yp.to/ecdh.html>

djb's sample implementation of curve25519 is written in a special assembly language called qasm and uses the floating point registers.

This is, almost, a clean room reimplementation from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.

hostap-daemon

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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 were moved around in v0.6.x releases and compared to earlier releases, the programs are now built 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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libffi6

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libflac8

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libfreetype6

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Our home page can be found at
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libjpeg8

Independent JPEG Group's JPEG software
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OVERVIEW

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.)

Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.

(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology. If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduces an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow

the “JFIF” conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at

<http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures. The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>.

The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).

Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>.

It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note’s design. Although IJG’s own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

The “official” archive site for this software is www.ijg.org. The most recent released version can always be found there in directory “files”. This particular version will be archived as <http://www.ijg.org/files/jpegsrc.v8d.tar.gz>, and in Windows-compatible “zip” archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/>

and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/).

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Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (also known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

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Last but not least special thank to Thomas G. Lane for the original design and development of this singular software package.

FILE FORMAT WARS

The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name “JPEG” which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.

IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name “OpenJPEG” promoting such kind of formats which is misleading because they don’t support original JPEG images.

We have no sympathy for the promotion of inferior formats.

Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don’t use an incompatible file format! (In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

Furthermore, the ISO committee pretends to be “responsible for the popular JPEG” in their public reports which is not true because they don’t respond to actual requirements for the maintenance of the original JPEG specification.

There are currently distributions in circulation containing the name “libjpeg” which claim to be a “derivative” or “fork” of the original libjpeg, but don’t have the features and are incompatible with formats supported by actual IJG libjpeg distributions. Furthermore, they violate the license conditions as described under LEGAL ISSUES above. We have no sympathy for the release of misleading and illegal distributions derived from obsolete code bases. Don’t use an obsolete code base!

TO DO

Version 8 is the first release of a new generation JPEG standard to overcome the limitations of the original JPEG specification.

More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

liblog4cplus-1.1-9

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libpopt0

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libx11-6

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libxau6

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libxcb1

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libxdmcp6

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libxml2

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zlib

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Curve25519

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curve25519-donna: Curve25519 elliptic curve, public key function

<http://code.google.com/p/curve25519-donna/>

Adam Langley agl@imperialviolet.org

Derived from public domain C code by Daniel J. Bernstein djb@cr.yp.to

More information about curve25519 can be found here <http://cr.yp.to/ecdh.html>

djb's sample implementation of curve25519 is written in a special assembly language called qasm and uses the floating point registers.

This is, almost, a clean room reimplemention from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.

