



# Open Source Used In Cisco Prime Network Analysis Module 6.2

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Text Part Number: 78EE117C99-67577653

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## 1.5 atm 2.4.1

## 1.6 augeas 1.2.0 :1.e15



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## 1.7 base-passwd 3.5.7 :11.0.0.0704076

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## 1.8 bash 3.0 :6.0.21.20141003

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From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTTP  
(8.6.12+cwru/CWRU-2.1-ins)

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)

Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995  
12:07:51 -0400

Received: by los.ora.com (4.1/Spike-2.1)

id AA00672; Tue, 1 Aug 95 08:57:32 EDT

Date: Tue, 1 Aug 95 08:57:32 EDT

From: mikel@ora.com (Michael Loukides)

Message-Id: <9508011257.AA00672@los.ora.com>

Subject: Re: Ksh debugger from Rosenblatt's book [for bash]

To: Chet Ramey <chet@odin.INS.CWRU.Edu>

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger  
to work with bash-2.0. Does ORA have any problem with me distributing  
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and  
stick it in our ftp archive, and put a reference to it in the book.  
(Too late to actually discuss the thing, at least for this edition).

-----

From friedman@cli.com Thu May 25 12:19:06 1995  
Flags: 10  
Return-Path: friedman@cli.com  
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTTP (8.6.10+cwru/CWRU-2.1-ins)  
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)  
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)  
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)  
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)  
id AA27213; Thu, 25 May 95 11:18:25 CDT  
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT  
Message-Id: <9505251618.AA16031@tepui.cli.com>  
From: friedman@gnu.ai.mit.edu (Noah Friedman)  
To: chet@po.cwru.edu  
Subject: Bash scripts  
Reply-To: friedman@gnu.ai.mit.edu  
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400  
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>  
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on  
>the FSF machines (naughty, I know), and I was wondering if you'd let  
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in  
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and  
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From speccdt@armory.com Wed May 10 10:21:11 1995  
Flags: 10  
Return-Path: speccdt@armory.com  
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTTP (8.6.10+cwru/CWRU-2.1-ins)  
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from speccdt@armory.com for <chet@odin.INS.CWRU.Edu>)  
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)  
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from speccdt@armory.com for <chet@po.cwru.edu>)  
From: John DuBois <speccdt@armory.com>  
Date: Tue, 9 May 1995 22:33:12 -0700  
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>  
"ksh scripts" (May 9, 1:36pm)  
X-Www: http://www.armory.com/~speccdt/  
X-Mailer: Mail User's Shell (7.2.5 10/14/92)  
To: chet@po.cwru.edu  
Subject: Re: ksh scripts  
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

```
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU 'Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} "The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

# 1.9 bc 1.06

## 1.10 bc 1.06 :3.0.0.0702771

### 1.10.1 Available under license :

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Version 2, June 1991

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Julian Seward, Cambridge, UK.

[jseward@acm.org](mailto:jseward@acm.org)

bzip2/libbzip2 version 1.0.3 of 15 February 2005

# 1.12 coredumper 1.2.1 :1

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## 1.13 cracklib-libs 2.7 :7.0.0.0801182

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## 1.14 cracklib-libs\_32 2.7 :7.0.0.0704076

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If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

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## 1.24 e2fsprogs 1.40 :2.0.0.0801393

### 1.24.1 Available under license :

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Theodore Ts'o  
23-June-2007

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- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but

does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

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- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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<one line to give the program's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Finally, any free program is threatened constantly by software

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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above, provided that you also meet all of these conditions:

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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## 1.37 gdbm\_32 1.8.3 :4.0.0.0704076



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## 1.38 glib 2.14.1

## 1.39 glibc 2.5.90 :19.0.91.20150129

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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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```
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#

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-----

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Written by: Philip Hazel <ph10@cam.ac.uk>

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```
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=====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

\*/

For the expat xml parser component:

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\* Based on libdl (dlfcn.c/dlfcn.h) which is

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.

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From strings/apr\_sprintf.c:

```
*  
* cvt - IEEE floating point formatting routines.  
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*
```

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```
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Written by: Philip Hazel <ph10@cam.ac.uk>

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```

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```
/*
```

```
  i2cbusses: Print the installed i2c busses for both 2.4 and 2.6 kernels.
```

```
    Part of user-space programs to access for I2C
    devices.
```

```
  Copyright (c) 1999-2003 Frodo Looijaard <frodol@dds.nl> and
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```

```
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
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```
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Version 2, June 1991

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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- \* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
- \*
- \* M. Welsh, 6 July 1996
- \*
- \*
- \*/

# 1.60 ksymoops 2.4.11 :3.0.0.0704076

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<one line to give the library's name and a brief idea of what it does.>  
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```

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```

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```

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

## 1.65 libcurl 7.42.0

### 1.65.1 Available under license :

License Mixing with apps, libcurl and Third Party Libraries

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl <http://curl.haxx.se/docs/copyright.html>

Uses an MIT (or Modified BSD)-style license that is as liberal as possible.

OpenSSL <http://www.openssl.org/source/license.html>

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using GnuTLS or yassl instead.

GnuTLS <http://www.gnutls.org/>

(May be used for SSL/TLS support) Uses the LGPL[3] license. If this is a problem for you, consider using OpenSSL instead. Also note that GnuTLS itself depends on and uses other libs (libcrypt and libpgp-error) and they too are LGPL- or GPL-licensed.

yassl <http://www.yassl.com/>

(May be used for SSL/TLS support) Uses the GPL[1] license. If this is a problem for you, consider using OpenSSL or GnuTLS instead.

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axTLS <http://axtls.sourceforge.net/>

(May be used for SSL/TLS support) Uses a Modified BSD-style license.

c-ares <http://daniel.haxx.se/projects/c-ares/license.html>

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib [http://www.gzip.org/zlib/zlib\\_license.html](http://www.gzip.org/zlib/zlib_license.html)

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.



MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

Heimdal <http://www.pdc.kth.se/heimdal/>

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GNU GSS <http://www.gnu.org/software/gss/>

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libidn <http://josefsson.org/libidn/>

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

OpenLDAP <http://www.openldap.org/software/release/license.html>

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 <http://www.libssh2.org/>

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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[2] = <http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs> details on how to write such an exception to the GPL

[3] = LGPL - GNU Lesser General Public License:  
<http://www.gnu.org/licenses/lgpl.html>

[4] = MPL - Mozilla Public License:  
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.\" *
.\" *****
.\"
.TH CURLOPT_SSH_HOST_PUBLIC_KEY_MD5 3 "19 Jun 2014" "libcurl 7.37.0" "curl_easy_setopt options"
.SH NAME
CURLOPT_SSH_HOST_PUBLIC_KEY_MD5 \- checksum of SSH server public key
.SH SYNOPSIS
.nf
#include <curl/curl.h>

CURLcode curl_easy_setopt(CURL *handle, CURLOPT_SSH_HOST_PUBLIC_KEY_MD5,
char *md5);
```

.SH DESCRIPTION

Pass a char \* pointing to a string containing 32 hexadecimal digits. The string should be the 128 bit MD5 checksum of the remote host's public key, and libcurl will reject the connection to the host unless the md5sums match.

.SH DEFAULT

NULL

.SH PROTOCOLS

SCP and SFTP

.SH EXAMPLE

TODO

.SH AVAILABILITY

Added in 7.17.1

.SH RETURN VALUE

Returns CURLE\_OK if the option is supported, CURLE\_UNKNOWN\_OPTION if not, or CURLE\_OUT\_OF\_MEMORY if there was insufficient heap space.

.SH "SEE ALSO"

.BR CURLOPT\_SSH\_PUBLIC\_KEYFILE "(3), " CURLOPT\_SSH\_AUTH\_TYPES "(3), "

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.\"

.TH CURLOPT\_LOW\_SPEED\_LIMIT 3 "17 Jun 2014" "libcurl 7.37.0" "curl\_easy\_setopt options"

.SH NAME

CURLOPT\_LOW\_SPEED\_LIMIT \- set low speed limit in bytes per second

.SH SYNOPSIS

#include <curl/curl.h>

CURLcode curl\_easy\_setopt(CURL \*handle, CURLOPT\_LOW\_SPEED\_LIMIT, long speedlimit);

.SH DESCRIPTION

Pass a long as parameter. It contains the average transfer speed in bytes per

```

second that the transfer should be below during
\|CURLOPT_LOW_SPEED_TIME(3)\|fP seconds for libcurl to consider it to be too
slow and abort.
.SH DEFAULT
0, disabled
.SH PROTOCOLS
All
.SH EXAMPLE
TODO
.SH AVAILABILITY
Always
.SH RETURN VALUE
Returns CURLE_OK
.SH "SEE ALSO"
.BR CURLOPT_LOW_SPEED_TIME "(3), " CURLOPT_TIMEOUT "(3), "
.\" *****
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.\" *
.\" *****
.\"
.TH CURLOPT_SSH_PUBLIC_KEYFILE 3 "19 Jun 2014" "libcurl 7.37.0" "curl_easy_setopt options"
.SH NAME
CURLOPT_SSH_PUBLIC_KEYFILE \- set public key file for SSH auth
.SH SYNOPSIS
.nf
#include <curl/curl.h>

CURLcode curl_easy_setopt(CURL *handle, CURLOPT_SSH_PUBLIC_KEYFILE,
                          char *filename);
.SH DESCRIPTION
Pass a char * pointing to a \|filename\|fP for your public key. If not used,

```

libcurl defaults to `\fb$HOME/.ssh/id_dsa.pub` if the HOME environment variable is set, and just "id\_dsa.pub" in the current directory if HOME is not set.

If an empty string is passed, libcurl will pass no public key to libssh2 which then tries to compute it from the private key, this is known to work when libssh2 1.4.0+ is linked against OpenSSL.

#### .SH DEFAULT

As explained above

#### .SH PROTOCOLS

SFTP and SCP

#### .SH EXAMPLE

TODO

#### .SH AVAILABILITY

The "" trick was added in 7.26.0

#### .SH RETURN VALUE

Returns CURLE\_OK if the option is supported, CURLE\_UNKNOWN\_OPTION if not, or CURLE\_OUT\_OF\_MEMORY if there was insufficient heap space.

#### .SH "SEE ALSO"

.BR CURLOPT\_SSH\_PRIVATE\_KEYFILE "(3), " CURLOPT\_SSH\_AUTH\_TYPES "(3), "

/\*  
\*\*\*\*\*

```
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*
* *****
*/
```

This is a simple example showing how a program on a non-ASCII platform would invoke callbacks to do its own codeset conversions instead of using the built-in iconv functions in libcurl.

The IBM-1047 EBCDIC codeset is used for this example but the code would be similar for other non-ASCII codesets.

Three callback functions are created below:

```
my_conv_from_ascii_to_ebcdic,  
my_conv_from_ebcdic_to_ascii, and  
my_conv_from_utf8_to_ebcdic
```

The "platform\_XXX" calls represent platform-specific conversion routines.

```
*/
```

```
#include <stdio.h>
```

```
#include <curl/curl.h>
```

```
CURLcode my_conv_from_ascii_to_ebcdic(char *buffer, size_t length)
```

```
{  
    char *temppttrin, *temppttrout;  
    size_t bytes = length;  
    int rc;  
    temppttrin = temppttrout = buffer;  
    rc = platform_a2e(&temppttrin, &bytes, &temppttrout, &bytes);  
    if (rc == PLATFORM_CONV_OK) {  
        return(CURLE_OK);  
    } else {  
        return(CURLE_CONV_FAILED);  
    }  
}
```

```
CURLcode my_conv_from_ebcdic_to_ascii(char *buffer, size_t length)
```

```
{  
    char *temppttrin, *temppttrout;  
    size_t bytes = length;  
    int rc;  
    temppttrin = temppttrout = buffer;  
    rc = platform_e2a(&temppttrin, &bytes, &temppttrout, &bytes);  
    if (rc == PLATFORM_CONV_OK) {  
        return(CURLE_OK);  
    } else {  
        return(CURLE_CONV_FAILED);  
    }  
}
```

```
CURLcode my_conv_from_utf8_to_ebcdic(char *buffer, size_t length)
```

```
{  
    char *temppttrin, *temppttrout;  
    size_t bytes = length;  
    int rc;  
    temppttrin = temppttrout = buffer;  
    rc = platform_u2e(&temppttrin, &bytes, &temppttrout, &bytes);  
}
```

```

if (rc == PLATFORM_CONV_OK) {
    return(CURLE_OK);
} else {
    return(CURLE_CONV_FAILED);
}
}

int main(void)
{
    CURL *curl;
    CURLcode res;

    curl = curl_easy_init();
    if(curl) {
        curl_easy_setopt(curl, CURLOPT_URL, "http://example.com");

        /* use platform-specific functions for codeset conversions */
        curl_easy_setopt(curl, CURLOPT_CONV_FROM_NETWORK_FUNCTION,
            my_conv_from_ascii_to_ebcdic);
        curl_easy_setopt(curl, CURLOPT_CONV_TO_NETWORK_FUNCTION,
            my_conv_from_ebcdic_to_ascii);
        curl_easy_setopt(curl, CURLOPT_CONV_FROM_UTF8_FUNCTION,
            my_conv_from_utf8_to_ebcdic);

        res = curl_easy_perform(curl);

        /* always cleanup */
        curl_easy_cleanup(curl);
    }
    return 0;
}
/*****
*
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*
*****/

```

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\*

\*\*\*\*\*

```
#include <stdio.h>
#include <string.h>
#include <curl/curl.h>
```

```
int main(void)
```

```
{
    CURL *curl;
    CURLcode res;
```

```
static const char *postthis="moo mooo moo moo";
```

```
curl = curl_easy_init();
```

```
if(curl) {
    curl_easy_setopt(curl, CURLOPT_URL, "http://example.com");
    curl_easy_setopt(curl, CURLOPT_POSTFIELDS, postthis);
```

```
/* if we don't provide POSTFIELDSIZE, libcurl will strlen() by
   itself */
    curl_easy_setopt(curl, CURLOPT_POSTFIELDSIZE, (long)strlen(postthis));
```

```
/* Perform the request, res will get the return code */
    res = curl_easy_perform(curl);
    /* Check for errors */
    if(res != CURLE_OK)
        fprintf(stderr, "curl_easy_perform() failed: %s\n",
            curl_easy_strerror(res));
```

```
/* always cleanup */
    curl_easy_cleanup(curl);
```

```
    }
    return 0;
}
```

\*\*\*\*\*

```
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*
*****/
#include <stdio.h>
#include <curl/curl.h>

int main(void)
{
    CURL *curl;
    CURLcode res;

    curl = curl_easy_init();
    if(curl) {
        curl_easy_setopt(curl, CURLOPT_URL, "http://example.com");
        /* example.com is redirected, so we tell libcurl to follow redirection */
        curl_easy_setopt(curl, CURLOPT_FOLLOWLOCATION, 1L);

        /* Perform the request, res will get the return code */
        res = curl_easy_perform(curl);
        /* Check for errors */
        if(res != CURLE_OK)
            fprintf(stderr, "curl_easy_perform() failed: %s\n",
                curl_easy_strerror(res));

        /* always cleanup */
        curl_easy_cleanup(curl);
    }
    return 0;
}
*****
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\*\*\*\*\*/

```
#include <stdio.h>
```

```
#include <curl/curl.h>
```

```
/* some requirements for this to work:
```

1. set pCertFile to the file with the client certificate
2. if the key is passphrase protected, set pPassphrase to the  
passphrase you use
3. if you are using a crypto engine:
  - 3.1. set a #define USE\_ENGINE
  - 3.2. set pEngine to the name of the crypto engine you use
  - 3.3. set pKeyName to the key identifier you want to use
4. if you don't use a crypto engine:
  - 4.1. set pKeyName to the file name of your client key
  - 4.2. if the format of the key file is DER, set pKeyType to "DER"

```
!! verify of the server certificate is not implemented here !!
```

```
**** This example only works with libcurl 7.9.3 and later! ****
```

```
*/
```

```
int main(void)
```

```
{
```

```
int i;
```

```
CURL *curl;
```

```
CURLcode res;
```

```
FILE *headerfile;
```

```
const char *pPassphrase = NULL;
```

```
static const char *pCertFile = "testcert.pem";
```

```
static const char *pCACertFile="cacert.pem";
```

```
const char *pKeyName;
```

```
const char *pKeyType;
```

```
const char *pEngine;
```

```
#ifdef USE_ENGINE
```

```
pKeyName = "rsa_test";
```

```

pKeyType = "ENG";
pEngine = "chil";      /* for nChiper HSM... */
#else
pKeyName = "testkey.pem";
pKeyType = "PEM";
pEngine = NULL;
#endif

headerfile = fopen("dumpit", "w");

curl_global_init(CURL_GLOBAL_DEFAULT);

curl = curl_easy_init();
if(curl) {
    /* what call to write: */
    curl_easy_setopt(curl, CURLOPT_URL, "HTTPS://your.favourite.ssl.site");
    curl_easy_setopt(curl, CURLOPT_HEADERDATA, headerfile);

    for(i = 0; i < 1; i++) /* single-iteration loop, just to break out from */
    {
        if (pEngine)      /* use crypto engine */
        {
            if (curl_easy_setopt(curl, CURLOPT_SSLENGINE, pEngine) != CURLE_OK)
            {
                /* load the crypto engine */
                fprintf(stderr, "can't set crypto engine\n");
                break;
            }
            if (curl_easy_setopt(curl, CURLOPT_SSLENGINE_DEFAULT, 1L) != CURLE_OK)
            {
                /* set the crypto engine as default */
                /* only needed for the first time you load
                 a engine in a curl object... */
                fprintf(stderr, "can't set crypto engine as default\n");
                break;
            }
        }
    }
    /* cert is stored PEM coded in file... */
    /* since PEM is default, we needn't set it for PEM */
    curl_easy_setopt(curl, CURLOPT_SSLCERTTYPE, "PEM");

    /* set the cert for client authentication */
    curl_easy_setopt(curl, CURLOPT_SSLCERT, pCertFile);

    /* sorry, for engine we must set the passphrase
     (if the key has one...) */
    if (pPassphrase)
        curl_easy_setopt(curl, CURLOPT_KEYPASSWD, pPassphrase);

    /* if we use a key stored in a crypto engine,

```

```

    we must set the key type to "ENG" */
curl_easy_setopt(curl,CURLOPT_SSLKEYTYPE,pKeyType);

/* set the private key (file or ID in engine) */
curl_easy_setopt(curl,CURLOPT_SSLKEY,pKeyName);

/* set the file with the certs vaildating the server */
curl_easy_setopt(curl,CURLOPT_CAINFO,pCACertFile);

/* disconnect if we can't validate server's cert */
curl_easy_setopt(curl,CURLOPT_SSL_VERIFYPEER,1L);

/* Perform the request, res will get the return code */
res = curl_easy_perform(curl);
/* Check for errors */
if(res != CURLE_OK)
    fprintf(stderr, "curl_easy_perform() failed: %s\n",
        curl_easy_strerror(res));

/* we are done... */
}
/* always cleanup */
curl_easy_cleanup(curl);
}

curl_global_cleanup();

return 0;
}
*****
#
#           _ _ _ _ _
# Project   _||| | _ \ |
#           / _||| | \ |
#           | ( _|| | _ < | _
#           \ _ \ _ / _ \ \ _
#
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```

```

#
#####

# What to call the final executable
TARGET = example

# Which object files that the executable consists of
OBJS= ftpget.o

# What compiler to use
CC = gcc

# Compiler flags, -g for debug, -c to make an object file
CFLAGS = -c -g

# This should point to a directory that holds libcurl, if it isn't
# in the system's standard lib dir
# We also set a -L to include the directory where we have the openssl
# libraries
LDFLAGS = -L/home/dast/lib -L/usr/local/ssl/lib

# We need -lcurl for the curl stuff
# We need -lsocket and -lnsl when on Solaris
# We need -lssl and -lcrypto when using libcurl with SSL support
# We need -lpthread for the pthread example
LIBS = -lcurl -lsocket -lnsl -lssl -lcrypto

# Link the target with all objects and libraries
$(TARGET) : $(OBJS)
$(CC) -o $(TARGET) $(OBJS) $(LDFLAGS) $(LIBS)

# Compile the source files into object files
ftpget.o : ftpget.c
$(CC) $(CFLAGS) $<

```

## 1.66 libgrypt 1.2.1.orig :4.0.0.0704076

### 1.66.1 Available under license :

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```
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## 1.69 libhbalinux 3.7 :1

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## 1.70 libjpeg\_32 6b :1.0.0.0704076

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### 1.70.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

## DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW        General description of JPEG and the IJG software.  
LEGAL ISSUES    Copyright, lack of warranty, terms of distribution.  
REFERENCES     Where to learn more about JPEG.  
ARCHIVE LOCATIONS Where to find newer versions of this software.  
RELATED SOFTWARE Other stuff you should get.  
FILE FORMAT WARS Software \*not\* to get.  
TO DO           Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc    How to configure and install the IJG software.  
usage.doc      Usage instructions for cjpeg, djpeg, jpegtran,  
                 rdjpgcom, and wrjpgcom.  
\*.1            Unix-style man pages for programs (same info as usage.doc).  
wizard.doc     Advanced usage instructions for JPEG wizards only.  
change.log     Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc    How to use the JPEG library in your own programs.  
example.c      Sample code for calling the JPEG library.  
structure.doc   Overview of the JPEG library's internal structure.  
filelist.doc   Road map of IJG files.  
coderules.doc  Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

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This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

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. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. 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, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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.

We are required to state that

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## REFERENCES

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We highly 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 <ftp://ftp.uu.net/graphics/jpeg/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 full 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). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The 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.

Some extensions to the original JPEG standard are defined in JPEG Part 3,

a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

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. A copy of the JFIF spec is available from:

Literature Department  
C-Cube Microsystems, Inc.  
1778 McCarthy Blvd.  
Milpitas, CA 95035  
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/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 [ftp.sgi.com](ftp://ftp.sgi.com) or from <ftp://ftp.uu.net/graphics/jpeg/>. 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. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

## ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](ftp://ftp.uu.net/graphics/jpeg/). This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact [help@uunet.uu.net](mailto:help@uunet.uu.net) for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. 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](http://rtfm.mit.edu): <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>. If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body

send usenet/news.answers/jpeg-faq/part1  
send usenet/news.answers/jpeg-faq/part2

## RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

## FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)



The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net).

## 1.71 libjson 7.6.1 :1nam

## 1.71.1 Available under license :

This license is also available in Documentation.pdf

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```
/*
 * JSONPreparse.cpp
 * TestSuite
 *
 * Created by Wallace on 4/13/11.
 * Copyright 2011 Streamwide. All rights reserved.
 *
 */
/**
 * SyntaxHighlighter
 * http://alexgorbatchev.com/SyntaxHighlighter
 *
 * SyntaxHighlighter is donationware. If you are using it, please donate.
 * http://alexgorbatchev.com/SyntaxHighlighter/donate.html
 *
 * @version
 * 3.0.83 (July 02 2010)
 *
 * @copyright
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Version 2, June 1991

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## 1.72 libnl3 3.2.21 :1

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## 1.75 libpcre 6.3 :2.0.7.0900214

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## THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
Email local part: ph10  
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## 1.76 libpcre 6.3 :2.0.1.0801854

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## 1.79 libssh2 1.4.3 :1

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/\*

\* hash.c: chained hash tables

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## 1.102 net-tools 1.60 :2.0.2.0800542

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5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT

- port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
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  18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
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  25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
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58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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```

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## 1.120 pciutils 2.2.5 :6.0.0.0704076

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<one line to give the program's name and a brief idea of what it does.>

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```
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```

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```
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program 'Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

That's all there is to it!

# 1.123 php 5.5.24

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included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

## THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

University of Cambridge Computing Service,  
Cambridge, England.

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## PCRE JUST-IN-TIME COMPILATION SUPPORT

-----

Written by: Zoltan Herczeg  
Email local part: hzmester  
Email domain: freemail.hu

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```
# charset=UTF-8
```

```
# vim600: encoding=UTF-8
```

```
"streamable kanji code filter and converter"
```

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Web: <http://happysize.com/>

<[sgk@happysize.co.jp](mailto:sgk@happysize.co.jp)>

1998/11/10 sgk implementation in C++

1999/4/25 sgk C

1999/4/26 sgk

1999/6/?? Unicode

1999/6/22 sgk LGPL

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-----  
/\*

zip\_get\_compression\_implementation.c -- get compression implementation  
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This file is part of libXMLRPC - a C library for xml-encoded function calls.

Author: Dan Libby (dan@libby.com)

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\*/

```
static const char rcsid[] = "#(@) $Id$";
```

```
#define SIMPLESTRING_INCR 32
```

```
/****h* ABOUT/simplestring
```

```
* NAME
```

```
* simplestring
```

```
* AUTHOR
```

```
* Dan Libby, aka danda (dan@libby.com)
```

```
* CREATION DATE
```

```
* 06/2000
```

```
* HISTORY
```

```
* $Log$
```

```
* Revision 1.3 2002/08/22 01:25:50 sniper
```

```
* kill some compile warnings
```

```
*
```

```
* Revision 1.2 2002/07/05 04:43:53 danda
```

```
* merged in updates from SF project. bring php repository up to date with xmlrpc-epi version 0.51
```

```
*
```

```
* Revision 1.4 2002/02/13 20:58:50 danda
```

```
* patch to make source more windows friendly, contributed by Jeff Lawson
```

```
*
```

```
* Revision 1.3 2001/09/29 21:58:05 danda
```

```
* adding cvs log to history section
```

```
*
```

```
* 10/15/2000 -- danda -- adding robodoc documentation
```

```
* PORTABILITY
```

```
* Coded on RedHat Linux 6.2. Builds on Solaris x86. Should build on just
```

```
* about anything with minor mods.
```

```
* NOTES
```

```
* This code was written primarily for xmlrpc, but has found some other uses.
```

```
*
```

```
* simplestring is, as the name implies, a simple API for dealing with C strings.
```

```
* Why would I write yet another string API? Because I couldn't find any that were
```

```
* a) free / GPL, b) simple/lightweight, c) fast, not doing unnecessary strlen all
```

```
* over the place. So. It is simple, and it seems to work, and it is pretty fast.
```

```

*
* Oh, and it is also binary safe, ie it can handle strings with embedded NULLs,
* so long as the real length is passed in.
*
* And the masses rejoiced.
*
* BUGS
* there must be some.
*****/

```

```

#include <stdlib.h>
#include <string.h>
#include "simplestring.h"

```

```

#define my_free(thing) if(thing) {free(thing); thing = 0;}

```

```

/*-----**
* Begin String Functions *
*-----*/

```

```

****f* FUNC/simplestring_init

```

```

* NAME
* simplestring_init
* SYNOPSIS
* void simplestring_init(simplestring* string)
* FUNCTION
* initialize string
* INPUTS
* string - pointer to a simplestring struct that will be initialized
* RESULT
* void
* NOTES
* SEE ALSO
* simplestring_free ()
* simplestring_clear ()
* SOURCE
*/

```

```

void simplestring_init(simplestring* string) {
    memset(string, 0, sizeof(simplestring));
}
*****/

```

```

static void simplestring_init_str(simplestring* string) {
    string->str = (char*)malloc(SIMPLESTRING_INCR);
    if(string->str) {
        string->str[0] = 0;
        string->len = 0;
        string->size = SIMPLESTRING_INCR;
    }
}

```

```

    }
    else {
        string->size = 0;
    }
}

/****f* FUNC/simplestring_clear
* NAME
* simplestring_clear
* SYNOPSIS
* void simplestring_clear(simplestring* string)
* FUNCTION
* clears contents of a string
* INPUTS
* string - the string value to clear
* RESULT
* void
* NOTES
* This function is very fast as it does not de-allocate any memory.
* SEE ALSO
*
* SOURCE
*/
void simplestring_clear(simplestring* string) {
    if(string->str) {
        string->str[0] = 0;
    }
    string->len = 0;
}
/*****/

```

```

/****f* FUNC/simplestring_free
* NAME
* simplestring_free
* SYNOPSIS
* void simplestring_free(simplestring* string)
* FUNCTION
* frees contents of a string, if any. Does *not* free the simplestring struct itself.
* INPUTS
* string - value containing string to be free'd
* RESULT
* void
* NOTES
* caller is responsible for allocating and freeing simplestring* struct itself.
* SEE ALSO
* simplestring_init ()
* SOURCE
*/

```

```

void simplestring_free(simplestring* string) {
    if(string && string->str) {
        my_free(string->str);
        string->len = 0;
    }
}
/*****/

/****f* FUNC/simplestring_addn
* NAME
* simplestring_addn
* SYNOPSIS
* void simplestring_addn(simplestring* string, const char* add, int add_len)
* FUNCTION
* copies n characters from source to target string
* INPUTS
* target - target string
* source - source string
* add_len - number of characters to copy
* RESULT
* void
* NOTES
* SEE ALSO
* simplestring_add ()
* SOURCE
*/

void simplestring_addn(simplestring* target, const char* source, int add_len) {
    if(target && source) {
        if(!target->str) {
            simplestring_init_str(target);
        }
        if(target->len + add_len + 1 > target->size) {
            /* newsize is current length + new length */
            int newsize = target->len + add_len + 1;
            int incr = target->size * 2;

            /* align to SIMPLESTRING_INCR increments */
            newsize = newsize - (newsize % incr) + incr;
            target->str = (char*)realloc(target->str, newsize);

            target->size = target->str ? newsize : 0;
        }

        if(target->str) {
            if(add_len) {
                memcpy(target->str + target->len, source, add_len);
            }
            target->len += add_len;
        }
    }
}

```

```

        target->str[target->len] = 0; /* null terminate */
    }
}
}
/*****/

/****f* FUNC/simplestring_add
* NAME
* simplestring_add
* SYNOPSIS
* void simplestring_add(simplestring* string, const char* add)
* FUNCTION
* appends a string of unknown length from source to target
* INPUTS
* target - the target string to append to
* source - the source string of unknown length
* RESULT
* void
* NOTES
* SEE ALSO
* simplestring_addn ()
* SOURCE
*/
void simplestring_add(simplestring* target, const char* source) {
    if(target && source) {
        simplestring_addn(target, source, strlen(source));
    }
}
/*****/

```

```

/*-----
* End String Functions *
*-----*/
/*

```

This file is part of libXMLRPC - a C library for xml-encoded function calls.

Author: Dan Libby (dan@libby.com)  
 Epinions.com may be contacted at feedback@epinions-inc.com  
 \*/

```

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```

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\*/

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## 1.125 procmail 3.22 :1.0.0.0704076

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## 1.126 procps 3.2.7 :4.0.1.0704076

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## 1.127 psmisc 22.5 :1.0.0.0704076

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## 1.129 Python 2.7.9

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

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

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

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

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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```
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```

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```
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\* string-replace by David Carlisle <http://www.jclark.com>

\* xt by James Clark <http://www.jclark.com>

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\* Ramon Casellas

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This is the Samba Team prepackaged version of the Samba SMB (LAN-Manager) server for Debian systems. Samba was written by Andrew Tridgell <tridge@samba.org>, the Samba Team and many others.

This package has been produced by Simo Sorce <idra@samba.org> using scripts put together by Eloy Paris <peloy@debian.org>, Steve Langasek <vorlon@debian.org>, and Vctor Prez Pereira <vperez@debianvenezuela.org> based on previous work by Klee Dienes <klee@debian.org>, Andrew Howell <andrew@it.com.au> and Bruce Perens <bruce@pixar.com> from sources found at <URL:<http://www.samba.org/samba/ftp/>>.

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# From Paul Eggert (2014-10-31):

#

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Version: 2014j

Release: 1

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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```

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```
Gnomovision version 69, Copyright (C) year name of author
```

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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## 1.159 util-macros 1.6.0

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## 1.160 vim 6.3 :4.0.1.0704076

### 1.160.1 Available under license :

\*uganda.txt\* For Vim version 6.3. Last change: 2004 May 12

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/>

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|.

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

=== begin of license ===

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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:

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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

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  - You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
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=== end of license ===

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].
- 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.
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=====  
Kibaale Children's Centre    \*kcc\*

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).

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. Now that I'm back in Holland, I would like 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:

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

USA and Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. You can send them a one time donation directly. Please send me a note so that 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 (under the Free Trade Agreement tax receipts issued by an organization registered in Canada are fully accepted by the IRS in the USA, with a few conditions).

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/affil/pal=Bram%40moolenaar.net>  
The e-mail address for sending the money to is:  
Bram@iccf-holland.org  
For amounts above \$150 sending a cheque 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 cheque in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign cheques, sorry)

Address to send cheques to:

stichting ICCF Holland

Bram Moolenaar

Clematisstraat 30

5925 BE Venlo

The Netherlands

vim:tw=78:ts=8:ft=help:norl:

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Version 2, June 1991

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
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```

```
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<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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## 1.161 virt-what 1.12 :3

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epan/dissectors/packet-etherip.c:

epan/dissectors/packet-ipsec-udp.c:

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epan/dissectors/packet-pflog.c:

epan/dissectors/packet-pflog.h:

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epan/dissectors/packet-vj.c:

\* This file created by Irfan Khan <ikhan@qualcomm.com>

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- \* Routines to compress and uncompress TCP packets (for transmission over low speed serial lines).
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wiretap/erf.c:

wiretap/erf.h:

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tap-funnel.c:

Wireshark terms, according to author on wireshark-dev@, message-id:

<f20d86b70607200240x2a6f7b0as68daf43b2eef6a56@mail.gmail.com>

editcap.c:

merge.c:

mergecap.c:

Wireshark terms, according to wireshark-dev@, message-id:

<c9a3e4540607210110v50758766wf272c4e6c74d48f3@mail.gmail.com>

epan/epan.c:

epan/exceptions.h:

epan/dfilter/gencode.h:

epan/dfilter/glib-util.c:

epan/dfilter/glib-util.h:

Contributed by Gilbert Ramirez, he has been contacted, his other files are under Wireshark terms, (message-id: <44C1EFA2.3050907@alum.mit.edu>)

epan/dissectors/packet-bootparams.h:

epan/dissectors/packet-mount.h:

epan/dissectors/packet-nfs.h:

epan/dissectors/packet-x11-keysym.h:

Corresponding .c files have GPL notices, authors have been contacted for clarification.

epan/dissectors/packet-nlm.h: no license info

Wireshark terms, according to wireshark-dev@, message-id:

<c9a3e4540607221458j407d552ekf28309c494487a8b@mail.gmail.com>

gtk/win32-file-dlg.h:

Contributed by Gerald Combs, Wireshark author, no answer yet but there is no reason why it would not have standard Wireshark terms. Message-id:

<44C1EFA2.3050907@alum.mit.edu>

epan/in\_cksum.h:

BSD, like in\_cksum.c, according to wireshark-dev@, message-id:

<44C1EFA2.3050907@alum.mit.edu>

epan/dissectors/packet-diameter-defs.h:

GNU GPL notice added in current Subversion repository, will be in file for 0.99.3.

snprintf.h:

no longer used, according to wireshark-dev@, but it was under GPL like .c

message-id: <c9a3e4540607200322j2225fdf8q8687b1b1fd13543a@mail.gmail.com>

# 1.166 xinetd 2.3.13 :4.0.2.0704076

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## 1.167 zend 1.8.5 :1

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## 1.168 zlib 1.2.3 :1.0.0.0704076

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jloup@gzip.org      madler@alumni.caltech.edu

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\*/

# 1.169 zlib\_32 1.2.3 :1.0.0.0704076

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