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```
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```

```
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[The licence continues]

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## 1.4 createrepo 0.4.11

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## 1.6 sysv-init 2.88dsf

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```
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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'.  
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

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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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Send patches to [sysvinit-devel@nongnu.org](mailto:sysvinit-devel@nongnu.org)

The of the start-stop-daemon

- \* A rewrite
- of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,
- \* public domain.

# 1.7 vim 7.3.429

## 1.7.1 Available under license :

\*uganda.txt\* For Vim version 7.3. Last change: 2010 Aug 07

VIM REFERENCE MANUAL by Bram Moolenaar

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

### SUMMARY

\*iccf\* \*ICCF\*

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

<http://iccf-holland.org/>

<http://www.vim.org/iccf/>

<http://www.iccf.nl/>

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

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

=== begin of license ===

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then this license, or a later version, also applies to your changes.

The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

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- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- 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

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as possible.

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4) The contact information as required under 2)a) and 2)d) must not be



removed or changed, except that the person himself can make corrections.

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If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

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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]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
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=====  
Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai

District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

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

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

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

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

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

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps.

When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:  
Kibaale Children's Centre  
p.o.  
box 1658  
Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

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

USA: The methods mentioned below can be used.  
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.  
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in

Uganda. You can send them a one time donation directly.  
Please send me a note so that I know what has been donated  
because of Vim. Ask KCF for information about sponsorship.  
Kibaale Children's Fund c/o Pacific Academy  
10238-168 Street  
Surrey, B.C. V4N 1Z4  
Canada  
Phone: 604-581-5353

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

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.  
This will allow for tax deduction if you live in Holland.  
Postbank, nr. 4548774

Germany: It is possible to make donations that allow for a tax return.  
Check the ICCF web site for the latest information:  
<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any  
country, mostly from the post office. Use this name (which is  
in my passport): "Abraham Moolenaar". Use Euro for the  
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form  
that you can use for this. See "Others" below for the swift  
code and IBAN number.  
Any other method should work. Ask for information about  
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is  
the most widely  
used Internet based payment system. It's  
really simple to use. Use this link to find more info:  
[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)  
The e-mail address for sending the money to is:  
[Bram@iccf-holland.org](mailto:Bram@iccf-holland.org)  
For amounts above 400 Euro (\$500) sending a check is  
preferred.

Others: Transfer to one of these accounts if possible:  
Postbank, account 4548774  
Swift code: INGB NL 2A  
IBAN: NL47 PSTB 0004 5487 74  
under the name "stichting ICCF Holland", Lisse  
If that doesn't work:

Rabobank Lisse, account 3765.05.117  
Swift code: RABO NL 2U  
under the name "Bram Moolenaar", Lisse  
Otherwise, send a check in euro or US dollars to the address  
below. Minimal amount: \$70 (my bank does not accept smaller  
amounts for foreign check, sorry)

Address to send checks to:

stichting ICCF Holland  
Bram Moolenaar  
Finsterruetihof 1  
8134 Adliswil  
Switzerland

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

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

## 1.8 yum 3.4.3

### 1.8.1 Available under license :

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Version 2, June 1991

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# 1.14 libxml 2.7.8-r8.8

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# 1.15 less 444.0-r3

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## 1.17 tcp-wrappers 7.6-r10

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## 1.18 time 1.7-r2

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```
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## 1.19 tcpdump 4.1.1-r4

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Bill Fenner <fenner at research dot att dot com>  
David Young <dyoung at pobox dot com>  
Fulvio Rizzo <rizzo at polito dot it>  
Guy Harris <guy at alum dot mit dot edu>  
Hannes Gredler <hannes at juniper dot net>



Michael Richardson <mcr at sandelman dot ottawa dot on dot ca>

Additional people who have contributed patches:

Aaron Campbell <aaron at arbor dot net>  
Alfredo Andres <aandres at s21sec dot com>  
Albert Chin <china at thewrittenword dot com>  
Ananth Suryanarayana <anantha at juniper dot net>  
Andrea Bittau <a dot bittau at cs dot ucl dot ac dot uk>  
Andrew Brown <atatat at atatat dot net>  
Andrew Church <andrew at users dot sourceforge dot net>  
Andrew Hintz <adhintz at users dot sourceforge dot net>  
Andrew Silent <andrew at nording dot ru>  
Andrew Tridgell <tridge at linuxcare dot com>

Andy Heffernan <ahh at juniper dot net>  
Arkadiusz Miskiewicz <misiek at pld dot org dot pl>  
Armando L. Caro Jr. <acaro at mail dot eecis dot udel dot edu>  
Arnaldo Carvalho de Melo <acme at ghostprotocols dot net>  
Ben Byer <bushing at sourceforge dot net>  
Atsushi Onoe <onoe at netbsd dot org>  
Ben Smithurst <ben at scientia dot demon dot co dot uk>  
Bert Vermeulen <bert at biot dot com>  
Bjoern A. Zeeb <bzeeb at Zabbadoz dot NeT>  
Brent L. Bates <blbates at vigyan dot com>  
Brian Ginsbach <ginsbach at cray dot com>  
Bruce M. Simpson <bms at spc dot org>  
Carles Kishimoto Bisbe <ckishimo at ac dot upc dot es>  
Charlie Lenahan <clenahan at fortresstech dot com>  
Charles M. Hannum <mycroft at netbsd dot org>  
Chris Cogdon <chris at cogdon dot org>  
Chris G. Demetriou <cgd at netbsd dot org>  
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Harry Raaymakers <harryr at connect dot com dot au>  
Heinz-Ado Arnolds <Ado dot Arnolds at dhm-systems dot de>  
Hendrik Scholz <hendrik at scholz dot net>  
Ian McDonald <imcdnzl at gmail dot com>  
Ilpo Järvinen <ilpo dot jarvinen at helsinki dot fi>  
Jacek Tobiasz <Jacek dot Tobiasz at atm dot com dot pl>  
Jakob Schlyter <jakob at openbsd dot org>  
Jamal Hadi Salim <hadi at cyberus dot ca>  
Jan Oravec <wsx at wsx6 dot net>  
Jason R. Thorpe <thorpej at netbsd dot org>  
Jefferson Ogata <jogata at nodc dot noaa dot gov>  
Jeffrey Hutzelman <jhutz at cmu dot edu>  
Jesper Peterson <jesper at endace dot com>  
Jim Hutchins <jim at ca dot sandia dot gov>  
Jonathan Heusser <jonny at drugphish dot ch>  
Tatuya Jinmei <jinmei at kame dot net>  
João Medeiros <ignotus21 at sourceforge dot net>  
Joerg Mayer <jmayer@loplof.de>  
Jürgen Thomsen <jth at jth dot net>  
Julian Cowley <julian at lava dot net>  
Karthik Sivakumar <kaarthik at torrentnet dot com>  
Karl Norby <karl-norby at sourceforge dot net>  
Kazushi Sugyo <sugyo at pb dot jp dot nec dot com>  
Kelly Carmichael <kcarmich at ipapp dot com>  
Ken Hornstein <kenh at cmf dot nrl dot navy dot mil>  
Kevin Steves <stevesk at pobox dot com>  
Klaus Klein <kleink at reziprozitaet dot de>  
Kris Kennaway <kris at freebsd dot org>  
Krzysztof Halasa <khc at pm dot waw dot pl>

Larry Lile <lile at stdio dot com>  
Lennert Buytenhek  
<buytenh at gnu dot org>  
Loris Degioanni <loris at netgroup-serv dot polito dot it>  
Love HÃ¶rnquist-Åstrand <lha at stacken dot kth dot se>  
Lucas C. Villa Real <lucasvr at us dot ibm dot com>  
Luis Martin Garcia <luis dot mgarc at gmail dot com>  
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T. Stolarchuk <mts at off dot to>  
Michele "mydecay" Marchetto <smarchetto1 at tin dot it>  
Mike Frysinger <vapier at gmail dot com>  
Monroe Williams <monroe at pobox dot com>  
Motonori Shindo <mshindo at mshindo dot net>  
Nathan J. Williams <nathanw at MIT dot EDU>  
Nathaniel Couper-Noles <Nathaniel at isi1 dot tccisi dot com>  
Neil T. Spring <bluehal at users dot sourceforge dot net>  
Niels Provos <provos at openbsd dot org>  
Nickolai Zeldovich <kolya at MIT dot EDU>  
Nicolas Ferrero <toorop at babylo dot net>  
Noritoshi Demizu <demizu at users dot sourceforge dot net>  
Olaf Kirch <okir at caldera dot de>  
Onno van der Linden <onno at simplex dot nl>  
Paolo Abeni <paolo dot abeni at email dot it>  
Pascal Hennequin <pascal dot hennequin at int-evry dot fr>  
Pavorn Boonmark <boonmark at juniper dot net>  
Paul Mundt <lethal at linux-sh dot org>  
Paul S. Traina <pst at freebsd dot org>  
Pavlin Radoslavov <pavlin at icir dot org>  
Pekka  
Savola <pekkas at netcore dot fi>  
Peter Fales <peter at fales-lorenz dot net>  
Peter Jeremy <peter dot jeremy at alcatel dot com dot au>  
<pfhunt at users dot sourceforge dot net>

Peter Volkov <pva at gentoo dot org>  
Phil Wood <cpw at lanl dot gov>  
Rafal Maszkowski <rzm at icm dot edu dot pl>  
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Sebastian Kraemer <kraemer at cs dot uni-potsdam dot de>  
Sebastien Raveau <sebastien dot raveau at epita dot fr>  
Sebastien Vincent <svincent at idems dot fr>  
Sepherosa Ziehau <sepherosa at gmail dot com>  
Seth Webster <swebster at sst dot ll dot mit dot edu>  
Shinsuke Suzuki <suz at kame dot net>  
Steinar Haug <sthaug at nethelp dot no>  
Swaminathan Chandrasekaran <chander at juniper dot net>  
Takashi Yamamoto <yamt at mwd dot biglobe dot ne dot jp>  
Terry Kennedy <terry at tmk dot com>  
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Wilbert de Graaf <wilbertdg at hetnet dot nl>  
Will Drewry <will at alum dot bu dot edu>  
William J. Hulley <bill dot hulley at gmail dot com>  
Yen Yen Lim  
Yoshifumi Nishida

The original LBL crew:

Steve McCanne  
Craig Leres  
Van Jacobson

Past maintainers:

Jun-ichiro  
itojun Hagino <itojun at iijlab dot net>

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## 1.20 ethtool 2.6.36-r0

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## 1.22 python-iniparse 0.3.2-r0

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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.

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Release from	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

2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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# 1.23 findutils 4.4.2-r6

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## 1.24 diffutils 3.2-r7

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## 1.29 Isof 4.85-r1



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```
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# sort_res.perl5 - Script to group & sort lsof output by resource
#
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#
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## 1.31 gawk 4.0.0-r1

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Modemu Version 0.0.1

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## 1.36 nfs-utils 0.24-r0

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## 1.37 libsm 1.2.1-r0

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## 1.38 eglIBC 2.15-r21

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@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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@smallexample

@var{one line to give the library's name and an idea of what it does.}

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```
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```

The hypothetical commands

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=====

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6. Any

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@c Local Variables:

@c ispell-local-pdict: "ispell-dict"

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Version 2.1, February 1999

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### 1.40.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/\*

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Files: passwd.master, group.master

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X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

Bruce Perens <bruce@pixar.com>.

Files: doc/\*

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## 1.42 ncurses 5.9-r13.1

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Version 2.1, February 1999

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

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied  
the SunOS dynamic loader  
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and  
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and  
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.  
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to  
a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to  
nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the  
code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the  
experimentation that led to the  
current typed allocation facility. (His dynamic type inference code hasn't  
made it into the released version of the collector, yet.)

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

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@appendixsubsec Preamble

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@iftex

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@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@heading END OF TERMS AND CONDITIONS  
@end iftex  
@ifinfo  
@center END OF TERMS AND CONDITIONS  
@end ifinfo

@page  
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```
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@var{one line to give the library's name and an idea of what it does.}
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```

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```
@end smallexample
```

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```
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`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

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@settitle GNU Free Documentation License  
@c man begin SEEALSO  
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@c man end  
@c man begin COPYRIGHT  
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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

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```

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

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when it starts  
in an interactive mode:

```
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under certain conditions; type `show c' for details.
```

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```
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```

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

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## 1.48 perl 5.14.2-r9.4

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-----  
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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-----  
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```

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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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## 1.49 gdb 7.4.50.20120716-r2

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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

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- 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.

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(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

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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 Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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.

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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.)

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a  
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Ty Coon, President of Vice  
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```
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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```
@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
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- \* @(#)bitstring.h 8.1 (Berkeley) 7/19/93
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## 1.54 python-smartpm 1.4.1-r12

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@iftex

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@end iftex  
@ifinfo  
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@end ifinfo

@page  
@appendixsubsec How to Apply These Terms to Your New Libraries

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```

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(This file is under construction.) -\*- text -\*-

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support

that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

## 1.61 opkg 0.1.8+svnr633-r10.0

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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.

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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
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2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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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.

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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
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## 1.69 pycurl 7.19.0-r2

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Jeffrey A. Uphoff  
Orion Multisystems, Inc.  
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(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.)

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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.)

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## 1.74 lvm2 2.02.95-r0.1

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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.

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-->
```

<!-- \$Id: copyright.xml,v 1.8 2009-07-10 23:47:58 tbox Exp \$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
version="1.0">

```
<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
```

```
<xsl:variable name="isc.copyright.text">
  <xsl:text>
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```

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```
</xsl:text>
</xsl:variable>
```

```
<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
      <xsl:text> </xsl:text>
    <xsl:value-of select="holder"/>
    <xsl:text>&#10;</xsl:text>
  </xsl:call-template>
</xsl:variable>
```



```
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
```

```
</xsl:stylesheet>
```

```
<!--
```

- Local variables:

- mode: sgml

- End:

```
-->
```

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the  
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino

<jmmv@users.sourceforge.net>

\* atf-c/ui.c: The format\_paragraph and format\_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

\* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io\_test.cpp: These files were derived from the file\_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

\* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

=====  
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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## 1.77 tiny-login 1.4-r10

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Erik Andersen

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TinyLogin is a curious blend of code from a whole bunch of folks.

It was originally cobbled together by Sean Bastille <hightide@ginch.org>

based in part on the May of 1998 version of the shadow utilities, which

can be downloaded from: <ftp://ftp.ists.pwr.wroc.pl/pub/linux/shadow/>

The build system, and the way in which TinyLogin invokes its component applications has been totally rewritten, based on the build system

used for BusyBox. The code has also been majorly reworked to make it

more internally consistent, to make it use fewer global variables,

etc, by Erik Andersen.

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## 1.79 tcf-agent 0.4.0-r1

### 1.79.1 Available under license :

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*   Wind River Systems - initial API and implementation  
*/
```

```
/*
 * This file contains "define" statements that control agent configuration.
 * SERVICE_* definitions control which service implementations are included into the agent.
 */
```

```
#ifndef D_config
#define D_config
```

```
#include <framework/mdep.h>
```

```
#if defined(WIN32)
```

```
#
```

```
    define TARGET_WINDOWS 1
```

```
# define TARGET_VXWORKS 0
```

```
# define TARGET_UNIX 0
```

```
# if defined(_MSC_VER)
```

```
#    define TARGET_MSVC 1
```

```
# else
```

```
#    define TARGET_MSVC 0
```

```
# endif
```

```
# define TARGET_BSD 0
```

```
# define TARGET_SYMBIAN 0
```

```
#elif defined(_WRS_KERNEL)
```

```
# define TARGET_WINDOWS 0
```

```
# define TARGET_VXWORKS 1
```

```
# define TARGET_UNIX 0
```

```
# define TARGET_MSVC 0
```

```
# define TARGET_BSD 0
```

```
# define TARGET_SYMBIAN 0
```

```
#elif defined(__SYMBIAN32__)
```

```
# define TARGET_WINDOWS 0
```

```
# define TARGET_VXWORKS 0
```

```
# define TARGET_UNIX 0
```

```
# define TARGET_MSVC 0
```

```
# define TARGET_BSD 0
```

```
# define TARGET_SYMBIAN 1
```

```
#else
```

```
# define TARGET_WINDOWS 0
```

```
# define TARGET_VXWORKS 0
```

```
# define TARGET_UNIX 1
```

```
# define TARGET_MSVC 0
```

```
# if defined(__FreeBSD__) || defined(__NetBSD__)
```

```
#    define TARGET_BSD 1
```

```
# else
```

```
#    define TARGET_BSD 0
```

```
# endif
```

```
# define TARGET_SYMBIAN 0
```

```
#endif
```

```

#if
    !defined(SERVICE_Locator)
#define SERVICE_Locator    (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS ||
TARGET_SYMBIAN)
#endif
#if !defined(SERVICE_RunControl)
#define SERVICE_RunControl  (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Breakpoints)
#define SERVICE_Breakpoints (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Memory)
#define SERVICE_Memory      (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Registers)
#define SERVICE_Registers   (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Processes)
#define SERVICE_Processes   (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_MemoryMap)
#define SERVICE_MemoryMap   (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_StackTrace)
#define SERVICE_StackTrace  (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if
    !defined(SERVICE_Symbols)
#define SERVICE_Symbols     (TARGET_UNIX || TARGET_MSVC)
#endif
#if !defined(SERVICE_LineNumbers)
#define SERVICE_LineNumbers (TARGET_UNIX || TARGET_MSVC)
#endif
#if !defined(SERVICE_FileSystem)
#define SERVICE_FileSystem  (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_SysMonitor)
#define SERVICE_SysMonitor  ((TARGET_UNIX && !TARGET_BSD) || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Expressions)
#define SERVICE_Expressions (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Streams)
#define SERVICE_Streams     (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS ||
TARGET_SYMBIAN)
#endif
#if !defined(SERVICE_PathMap)

```

```
#define SERVICE_PathMap    ENABLE_ELF
#endif
#if !defined(SERVICE_Terminals)
#define SERVICE_Terminals  TARGET_UNIX
#endif

#if !defined(ENABLE_Plugins)
# if TARGET_UNIX && defined(PATH_Plugins)
#   define ENABLE_Plugins
#     1
# else
#   define ENABLE_Plugins  0
# endif
#endif

#if !defined(ENABLE_ZeroCopy)
#define ENABLE_ZeroCopy    1
#endif

#if !defined(ENABLE_Splice)
# if ENABLE_ZeroCopy
#   include <fcntl.h>
#   if defined(SPLICE_F_MOVE)
#     define ENABLE_Splice  1
#   else
#     define ENABLE_Splice  0
#   endif
# else
#   define ENABLE_Splice  0
# endif
#endif

#if !defined(ENABLE_Trace)
# define ENABLE_Trace      1
#endif

#if !defined(ENABLE_Discovery)
# define ENABLE_Discovery  1
#endif

#if !defined(ENABLE_Cmdline)
# define ENABLE_Cmdline    1
#endif

#if !defined(ENABLE_ContextProxy)
# define ENABLE_ContextProxy 0
#endif
```

```

#if !defined(ENABLE_DebugContext)
# define ENABLE_DebugContext (ENABLE_ContextProxy || SERVICE_RunControl || SERVICE_Breakpoints ||
SERVICE_Memory || SERVICE_Registers || SERVICE_StackTrace)
#endif

#if !defined(ENABLE_SymbolsProxy)
# define ENABLE_SymbolsProxy
(ENABLE_DebugContext && TARGET_VXWORKS)
#endif

#if !defined(ENABLE_LineNumbersProxy)
# define ENABLE_LineNumbersProxy (ENABLE_DebugContext && TARGET_VXWORKS)
#endif

#if ENABLE_SymbolsProxy || !ENABLE_DebugContext
# undef SERVICE_Symbols
# define SERVICE_Symbols 0
#endif

#if ENABLE_LineNumbersProxy || !ENABLE_DebugContext
# undef SERVICE_LineNumbers
# define SERVICE_LineNumbers 0
#endif

#if !defined(ENABLE_Symbols)
# define ENABLE_Symbols (ENABLE_SymbolsProxy || SERVICE_Symbols)
#endif

#if !defined(ENABLE_LineNumbers)
# define ENABLE_LineNumbers (ENABLE_LineNumbersProxy || SERVICE_LineNumbers)
#endif

#if !defined(ENABLE_ELF)
# define ENABLE_ELF (TARGET_UNIX && (SERVICE_Symbols || SERVICE_LineNumbers))
#endif

#if !defined(ENABLE_SSL)
# if (TARGET_UNIX) && !defined(__APPLE__)
# define ENABLE_SSL 1
# else
# define ENABLE_SSL 0
# endif
#endif

#if !defined(ENABLE_RCBP_TEST)
# if defined(__FreeBSD__)
|| defined(__NetBSD__) || defined(__APPLE__)
/* TODO: debug services are not fully implemented on BSD */

```

```

# define ENABLE_RCBP_TEST 0
# else
# define ENABLE_RCBP_TEST (!ENABLE_ContextProxy && (SERVICE_RunControl &&
SERVICE_Breakpoints))
# endif
#endif

#if !defined(ENABLE_AIO)
# if !defined(_POSIX_ASYNCHRONOUS_IO)
# define ENABLE_AIO 0
# elif defined(__FreeBSD__) || defined(__NetBSD__) || defined(__APPLE__)
/* On BSD AIO sends signal SIGSYS - bad system call */
# define ENABLE_AIO 0
# elif defined(__linux__)
/* Linux implementation of POSIX AIO found to be inefficient */
# define ENABLE_AIO 0
# elif TARGET_SYMBIAN
/* Symbian impl (OpenC) not desired either */
# define ENABLE_AIO 0
# else
# define ENABLE_AIO 1
# endif
#endif

#if !defined(ENABLE_STREAM_MACROS)
/* Enabling stream macros increases code size about 5%, and increases speed about 7% */
# define ENABLE_STREAM_MACROS
0
#endif

#if !defined(ENABLE_LUA)
# if defined(PATH_LUA)
# define ENABLE_LUA 1
# else
# define ENABLE_LUA 0
# endif
#endif

#if !defined(ENABLE_Unix_Domain)
/* Using UNIX:/path/to/socket for local TCP communication */
# define ENABLE_Unix_Domain (TARGET_UNIX || TARGET_SYMBIAN)
#endif

#if !defined(ENABLE_ContextStateProperties)
# define ENABLE_ContextStateProperties 0
#endif

#endif /* D_config */

```

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## 1.82 e2fsprogs 1.42.1-r4

### 1.82.1 Available under license :

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#

# This is a Makefile stub which handles the creation of BSD shared libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(OBJS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;'/'\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

```
#!/bin/sh
```

```
find . -type f \! -name \*~ \! -exec grep -q Begin-Header \{\} \; -print \
| grep -v ^./build
```

This package was added to the e2fsprogs debian source package by  
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.

+ trivial database library - standalone version

- trivial database library - private includes
- 
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Gadi Oxman, August 1995

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before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o  
23-June-2007

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```
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```

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```
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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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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.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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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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.

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necessary. Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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## 1.83 rpm 5.4.9-r65

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# 1.87 util-linux 2.21-r10

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\*/

size: 8388608, sector size: 512, PT: dos, offset: 446

---

- #1: 32 7648 0x83
- #2: 7680 8704 0xa5
- #5: 7936 4864 0x7 (freebsd)
- #6: 12544 3584 0x7 (freebsd)

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```
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```

```
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```
# 1: 32- 7679 ( 7648 sectors, 3 MB)
# 2: 7680- 16383 ( 8704 sectors, 4 MB)
# 5: 7936- 12799 ( 4864 sectors, 2 MB)
# 6: 12544- 16127 ( 3584 sectors, 1 MB)
```

```
BZh91AY&SYf""~@HR h% CFTC@OQ6_@
tTJmlAH1||/FOHA]BAk@
```

```
size: 4456448, sector size: 512, PT: bsd, offset: 512
```

```
---
```

```
#1: 7936 4864 0x7
#2: 12544 3584 0x7
```

## 1.88 strace 4.7-r2

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Mark Lord (mlord@pobox.com)

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## 1.91 glib 2.32.3-r4

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## 1.94 expect 5.45-r2

### 1.94.1 Available under license :

Expect

Written by: Don Libes, libes at nist.gov, NIST

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## 1.95 bash 4.2-r8

### 1.95.1 Available under license :

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 ESMTP (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 spcecdt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcecdt@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 spcecdt@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 spcecdt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcecdt@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/~spcecdt/>

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
```

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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 ESMTP (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: marie@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).

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## 1.96 libpcap 1.2.1-r1.0

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library `Frob' (a library for tweaking knobs) written by James  
Random Hacker.

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

That's all there is to it!

-----  
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected  
in released code until Nov 2009 - slow release cycle...)  
-----

Discussion thread from mailing list archive, with approval from everyone actively  
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML  
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20  
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML  
On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20

library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license  
>=20  
> On Monday 01 October 2007, Neulinger, Nathan wrote:  
>> I understand that, and you're welcome to bring it up with Alec  
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>> and see if he wants to relicense his code as LGPL... but at this  
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>> it was enough to just get it consistent and documented as to what  
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>> released under. This wasn't actually a license change, just a  
>> clarification of the licensing that was already in place.  
>=20  
> the original license (before moving to sourceforge -- aka, 2.7) was  
> not  
> GPL-2 ... it was a modified artistic license ... i didnt notice the  
> license  
> change until it was mentioned in the latest notes.  
>=20  
> unlike the old license, GPL-2 prevents people from using cracklib



> unless their  
> applications are also GPL-2 which imo is just wrong. it isnt the  
> place of a  
> library  
to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro  
> maintainers to get together with Alec in a conversation and come to a  
> decision as to what licensing scheme y'all want. I haven't really done  
> much other than cleaning up the packaging and patches and a small  
> bit of  
> additional code, so whatever licensing y'all come up with is fine  
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be  
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I  
think it is in everyone's  
best interests to have as secure systems as possible, and I think tainting  
it via GPL will just make it less likely that the library gets used, and  
will not usually cause companies/developers to GPL the dependent code  
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct  
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro  
>> maintainers to get together with Alec in a conversation and come to a  
>> decision as to what licensing scheme y'all want. I haven't really done  
>> much other than cleaning up the packaging and patches and a small  
>> bit of  
>> additional  
code, so whatever licensing y'all come up with is fine  
>> by me.  
>  
> I am sympathetic. Guys, what do you reckon?  
>  
> What I am hearing so far is that LGPL makes sense, since it can be  
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:  
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:  
>>> Seems like the ideal thing here would be for you and the other distro  
>>> maintainers to get together with Alec in a conversation and come to a  
>>> decision as to what licensing scheme y'all want. I haven't really done  
>>> much other than cleaning up the packaging and patches and a small  
>>> bit of  
>>> additional code, so whatever licensing y'all come up with is fine  
>>> by me.  
>>  
>> I am sympathetic. Guys, what do you reckon?  
>>  
>> What I am hearing so far is that LGPL makes sense, since it can be

> > linked with any code, not just GPL...  
>  
> My apologies for not chiming in in anything resembling a reasonable  
> timeframe.  
>  
> I'd also suggest the LGPL, for the reason you noted above. Alternately,  
> GPLv2 with the option of using  
the library under a later version of the  
> GPL would permit applications which were released under version 3 of the  
> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.  
>  
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.

> >

> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we  
> > make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

-----  
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.  
-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-----

From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed

Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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## 1.99 icu 3.6-r8

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

## 1.103 libevent 2.0.16-r2

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@smallexample

@var{one

line to give the program's name and an idea of what it does.}

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@smallexample

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

```
@var{signature of Ty Coon}, 1 April 1989
Ty
Coon, President of Vice
@end group
@end smallexample
```

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## 1.107 cpio 2.11-r3

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## 1.108 rpcbind 0.2.0-r3

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"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.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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,

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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 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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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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 combine 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) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

d) 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.

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

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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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@subheading Preamble

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programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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(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.)

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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.)

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Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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```
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```

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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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```
/*
 * version.h --- Defines the version number of setserial
 *
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 */
```

```
#define SETSERIAL_VERSION "2.17"
#define SETSERIAL_DATE "27-Jan-2000"
```



# 1.117 sysvinit-inittab 2.88dsf-r14

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Version 2, June 1991

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## 1.118 wrl-glibc-rebuild 2.15-4.6a-127-r15

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## 1.121 parted 3.1-r1

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## 1.123 xz 5.1.1alpha-r1

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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

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the work with the complete corresponding

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the user installs one, as long as the modified version is

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## 1.126 libgpg-error 1.10-r1

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```
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```

<signature of Ty Coon>, 1 April 1989  
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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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

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

That's all there is to it!

## 1.134 sqlite 3.7.10-r4

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May you find forgiveness for yourself and forgive others.  
May you share freely, never taking more than you give.

## 1.135 xinetd 2.3.15-r2.1

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Modifications:

Version: 2.1.8.7-current

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Modifications:

Version: 2.1.8.7-current

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Sensor Addition

Version: 2.1.8.9pre14a

Copyright 2001 by Steve Grubb

This is an excerpt from an email I received from the original author, allowing xinetd as maintained by me, to use the higher version numbers:

I appreciate your maintaining the version string guidelines as specified in the copyright. But I did not mean them to last as long as they did.

So, if you want, you may use any 2.N.\* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.\* line; using that would only create confusion. Naming the next release 2.3.0 would put to rest the confusion about 2.2.1 and 2.1.8.\*.  
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## 1.136 unzip 6.0-r4

### 1.136.1 Available under license :

This is version 2009-Jan-02 of the Info-ZIP license.

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---

This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

---

FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports.

Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

-----

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
* Copyright 1992-1998
```

Apple Computer, Inc.

```
* Portions copyright 1995 Jim Luther
* All rights reserved.
* The Package "More Files" is distributed under the following
* license terms:
*
* "You may incorporate this sample code into your
* applications without restriction, though the
* sample code has been provided "AS IS" and the
* responsibility for its operation is 100% yours.
* However, what you are not permitted to do is to
* redistribute the source as "DSC Sample Code" after
* having made changes. If you're going to
* redistribute the source, we require that you make
* it clear in the source that the code was descended
* from Apple Sample Code, but that you've made
* changes."
```

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Info-ZIP license, they do not add further restrictions.

The following  
copyright applies to the Mac OS "macbin3" decoding code  
(extra field compatibility with ZipIt):

- \* MacBinaryIII.h
- \*
- \* Copyright 1997 Christopher Evans (cevens@poppybank.com)
- \*
- \* Basic encoding and decoding of Macintosh files to the
- \* MacBinary III spec.
- \* -----
- \* This source is copyrighted by Christopher Evans (cevens@poppybank.com)
- \* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit
- \* homepage of Leonard Rosenthol leonardr@netcom.com)

This copyright note does not contain any usage terms. So, we assume  
that this code is freely reusable until we are proved wrong...

-----

The remaining copyright notes have been superseded by the new  
Info-ZIP license, with explicit permission from the respective  
original authors. They are cited here for historical reasons,  
only:

The following copyright applies to the full-featured unreduce.c  
(now distributed separately):

- \* Copyright 1989 Samuel H. Smith; All rights reserved
- \*
- \* Do not distribute modified versions without my permission.
- \* Do not remove or alter this notice or any other copyright notice.
- \* If you use this in your own program you must distribute source code.
- \* Do not use any of this in a commercial product.

Regarding the first stipulation, Mr. Smith was tracked down in southern  
California some years back [Samuel H. Smith, The Tool Shop; as of mid-  
May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),  
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that  
he has no objection to the Info-ZIP group's inclusion of his code.  
His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten

and by default

no longer contains any of Mr. Smith's code, Info-ZIP

remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

The following copyright applied to most of the VMS code in vms.c, distributed with UnZip version 4.2 and later:

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- \* Permission is granted to any individual or institution to use, copy,
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-----

The following copyright applied to the new version of unshrink.c, distributed with UnZip version 5.2 and later:

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- \* any purpose whatsoever, subject to the conditions noted in the
- \* Frequently Asked Questions section below, plus one additional
- \* condition: namely, that my name not be removed from the source
- \* code. (Other names may, of course, be added as modifications
- \* are made.) Corporate legal staff (like at IBM :-)) who have
- \* problems understanding this can contact me through Zip-Bugs...

-----

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- \* Copyright (c) 1996 Mike White.
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-----

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UnZip," distributed with UnZip version 5.3 and later:

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- \* written by the Info-ZIP group, are copyrighted 1997 by Steve P.
- \* Miller. The product "Pocket UnZip" itself is property of the
- \* author and cannot be altered in any way without written consent
- \* from Steve P. Miller.

-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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## 1.137 python-contextlib2 0.4.0-r0

### 1.137.1 Available under license :

#### A. HISTORY OF THE SOFTWARE

=====

contextlib2 is a derivative of the contextlib module distributed by the PSF as part of the Python standard library. According, it is itself redistributed under the PSF license (reproduced in full below). As the contextlib module was added only in Python 2.5, the licenses for earlier Python versions are not applicable and have not been included.

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 that included the contextlib module.

Release	Derived from	Year	Owner	GPL-compatible? (1)
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.3	3.2			
2012	PSF	yes		

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## 1.139 libxdmcp 1.1.1-r0

### 1.139.1 Available under license :

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Author: Keith Packard, MIT X Consortium

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##
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##
## uuid_cli.pod: manual page
##
```

=pod

=head1 NAME

B<OSSP uuid> - B<Universally Unique Identifier Command-Line Tool>

=head1 VERSION

OSSP uuid UUID\_VERSION\_STR

=head1 SYNOPSIS

B<uuid>  
[B<-v> I<version>]  
[B<-m>]  
[B<-n> I<count>]  
[B<-l>]  
[B<-F> I<format>]  
[B<-o> I<filename>]  
[I<namespace> I<name>]

B<uuid>  
B<-d>  
[B<-r>]  
[B<-o> I<filename>]  
I<uuid>

=head1 DESCRIPTION

B<OSSP uuid> is a ISO-C:1999 application programming interface (API) and corresponding command line interface (CLI) for the generation of DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 compliant I<Universally Unique Identifier>

(UUID). It supports DCE 1.1 variant UUIDs of version 1 (time and node based), version 3 (name based, MD5), version 4 (random number based) and version 5 (name based, SHA-1). Additional API bindings are provided for the languages ISO-C++:1998, Perl:5 and PHP:4/5. Optional backward compatibility exists for the ISO-C DCE-1.1 and Perl Data::UUID APIs.

UUIDs are 128 bit numbers which are intended to have a high likelihood of uniqueness over space and time and are computationally difficult to guess. They are globally unique identifiers which can be locally generated without contacting a global registration authority. UUIDs are intended as unique identifiers for both mass tagging objects with an extremely short lifetime and to reliably identifying very persistent objects across a network.

This is the command line interface (CLI) of B<OSSP uuid>. For a detailed description of UUIDs see the documentation of the application programming interface (API) in uuid(3).

=head1 OPTIONS

=over  
3

=item B<-v> I<version>

Sets the version of the generated DCE 1.1 variant UUID. Supported are I<version> "C<1>", "C<3>", "C<4>" and "C<5>". The default is "C<1>".

For version 3 and version 5 UUIDs the additional command line arguments I<namespace> and I<name> have to be given. The I<namespace> is either a UUID in string representation or an identifier for internally pre-defined namespace UUIDs (currently known are "C<ns:DNS>", "C<ns:URL>", "C<ns:OID>", and "C<ns:X500>"). The I<name> is a string of arbitrary length.

=item B<-m>

Forces the use of a random multi-cast MAC address when generating version 1 UUIDs. By default the real physical MAC address of the system is used.

=item B<-n> I<count>

Generate I<count> UUIDs instead of just a single one (the default).

=item B<-1>

If option B<-n> is used with a I<count> greater than C<1>, then this option can enforce the reset the UUID context for each generated UUID. This makes no difference for I<version> C<3>, C<4> and C<5> UUIDs.

But

version C<1> UUIDs are based on the previously generated UUID which is remembered in the UUID context of the API. Option B<-1> deletes the remembered UUID on each iteration.

=item B<-F> I<format>

Representation format for importing or exporting an UUID. The following (case insensitive) format identifiers are currently recognized:

=over 4

=item C<BIN> (binary representation)

This is the raw 128 bit network byte order binary representation of a UUID. Example is the octet stream C<0xF8 0x1D 0x4F 0xAE 0x7D 0xEC 0x11 0xD0 0xA7 0x65 0x00 0xA0 0xC9 0x1E 0x6B 0xF6>.

=item C<STR> (string representation)

This is the 36 character hexadecimal ASCII string representation of a UUID. Example is the string "C<f81d4fae-7dec-11d0-a765-00a0c91e6bf6>".

=item C<SIV> (single integer value representation)

This is the maximum 39 character long single integer value representation of a UUID. Example is the string "C<329800735698586629295641978511506172918>".

=back

=item B<-o> I<filename>

Write

output to I<filename> instead of to F<stdout>.

=item B<-d>

Decode a given UUID (given as a command line argument or if the command line argument is "C<->" the UUID is read from F<stdin>) and dump textual information about the UUID.

=back

=head1 EXAMPLES

```
# generate DCE 1.1 v1 UUID (time and node based)
```

```
$ uuid -v1
```

```
01c47915-4777-11d8-bc70-0090272ff725
```

```
# decode and dump DCE 1.1 v1 UUID (time and node based)
```

```
$ uuid -d 01c47915-4777-11d8-bc70-0090272ff725
```

```
encode: STR: 01c47915-4777-11d8-bc70-0090272ff725
```

```
      SIV: 2349374037528578887923094374772111141
```

```
decode: variant: DCE 1.1, ISO/IEC 11578:1996
```

```
      version: 1 (time and node based)
```

```
      content: time: 2004-01-15 16:22:26.376322.1 UTC
```

```
              clock: 15472 (usually random)
```

```
              node: 00:90:27:2f:f7:25 (global unicast)
```

```
# generate DCE 1.1 v3 UUID (name based)
```

```
$ uuid -v3 ns:URL http://www.ossip.org/
```

```
02d9e6d5-9467-382e-8f9b-9300a64ac3cd
```

```
# decode and dump DCE 1.1 v3 UUID (name based)
```

```
$ uuid -d 02d9e6d5-9467-382e-8f9b-9300a64ac3cd
```

```
encode: STR: 02d9e6d5-9467-382e-8f9b-9300a64ac3cd
```

```
      SIV: 3789866285607910888100818383505376205
```

```
decode: variant: DCE 1.1, ISO/IEC 11578:1996
```

```
      version: 3 (name based, MD5)
```

```
      content: 02:D9:E6:D5:94:67:08:2E:0F:9B:93:00:A6:4A:C3:CD
```

(not decipherable: MD5 message digest only)

```
# generate DCE 1.1 v4 UUID 4 (random data based)
$ uuid -v4
eb424026-6f54-4ef8-a4d0-bb658a1fc6cf

# decode and dump DCE 1.1 v4 UUID 4 (random data based)
$ uuid -d eb424026-6f54-4ef8-a4d0-bb658a1fc6cf
encode: STR: eb424026-6f54-4ef8-a4d0-bb658a1fc6cf
      SIV: 312712571721458096795100956955942831823
decode: variant: DCE 1.1, ISO/IEC 11578:1996
      version: 4 (random data based)
      content: EB:42:40:26:6F:54:0E:F8:24:D0:BB:65:8A:1F:C6:CF
      (no semantics: random data only)
```

=head1 SEE ALSO

uuid(3), OSSP::uuid(3).

=cut

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid\_cli.pod

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**
** uuid_md5.h: MD5 API definition
*/
```

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**
** uuid_prng.c: PRNG API implementation
*/
```

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**
** uuid.c: PHP/Zend API (language: C)
*/
```

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--  
-- uuid.sql: PostgreSQL Binding (SQL part)

--  
-- prolog

SET search\_path TO public;  
SET client\_min\_messages TO warning;

DROP FUNCTION uuid\_in(CSTRING) CASCADE;  
DROP FUNCTION uuid\_out(uuid) CASCADE;  
DROP FUNCTION uuid\_recv(INTERNAL) CASCADE;  
DROP FUNCTION uuid\_send(uuid) CASCADE;  
DROP TYPE uuid CASCADE;  
DROP CAST (CSTRING AS uuid) CASCADE;  
DROP CAST (uuid AS CSTRING) CASCADE;

DROP FUNCTION uuid(CSTRING)  
CASCADE;  
DROP FUNCTION uuid(INTEGER) CASCADE;  
DROP FUNCTION uuid(INTEGER, CSTRING, CSTRING) CASCADE;

DROP FUNCTION uuid\_eq(uuid) CASCADE;  
DROP FUNCTION uuid\_ne(uuid) CASCADE;  
DROP FUNCTION uuid\_lt(uuid, uuid) CASCADE;  
DROP FUNCTION uuid\_gt(uuid, uuid) CASCADE;  
DROP FUNCTION uuid\_le(uuid, uuid) CASCADE;  
DROP FUNCTION uuid\_ge(uuid, uuid) CASCADE;  
DROP OPERATOR =(uuid,uuid) CASCADE;  
DROP OPERATOR <>(uuid,uuid) CASCADE;  
DROP OPERATOR <(uuid,uuid) CASCADE;  
DROP OPERATOR >(uuid,uuid) CASCADE;  
DROP OPERATOR <=(uuid,uuid) CASCADE;  
DROP OPERATOR >=(uuid,uuid) CASCADE;

DROP FUNCTION uuid\_hash(uuid) CASCADE;  
DROP FUNCTION uuid\_cmp(uuid, uuid) CASCADE;

```

DROP OPERATOR CLASS uuid_ops USING hash
    CASCADE;
DROP OPERATOR CLASS uuid_ops USING btree    CASCADE;

BEGIN;

--
-- the UUID data type
--

CREATE FUNCTION
    uuid_in(CSTRING) RETURNS uuid
    STRICT
    LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_in';

CREATE FUNCTION
    uuid_out(uuid) RETURNS CSTRING
    STRICT
    LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_out';

CREATE FUNCTION
    uuid_recv(INTERNAL) RETURNS uuid
    STRICT
    LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_recv';

CREATE FUNCTION
    uuid_send(uuid) RETURNS BYTEA
    STRICT
    LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_send';

CREATE TYPE uuid (
    INPUT  = uuid_in, -- for SQL input
    OUTPUT = uuid_out, -- for SQL output
    RECEIVE = uuid_recv, -- for DB input
    SEND   = uuid_send, -- for DB output
    DEFAULT = 'uuid(1)',
    INTERNALLENGTH = 16,
    ALIGNMENT = char
);

COMMENT ON TYPE uuid
    IS 'UUID type';

-- CREATE CAST (CSTRING AS uuid)
--   WITH FUNCTION uuid_in(CSTRING) AS ASSIGNMENT;
--
-- CREATE CAST (uuid AS CSTRING)
--

```

```

WITH FUNCTION uuid_out(uuid) AS ASSIGNMENT;

--
-- the UUID constructor function
--

CREATE FUNCTION
  uuid(CSTRING) RETURNS uuid
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_in';

CREATE FUNCTION
  uuid(INTEGER) RETURNS uuid
  VOLATILE CALLED ON NULL INPUT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_make';

CREATE FUNCTION
  uuid(INTEGER, CSTRING, CSTRING) RETURNS uuid
  VOLATILE CALLED ON NULL INPUT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_make';

--
-- the UUID operators
--

CREATE FUNCTION
  uuid_eq(uuid, uuid) RETURNS BOOL
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_eq';

CREATE FUNCTION
  uuid_ne(uuid, uuid) RETURNS BOOL
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_ne';

CREATE FUNCTION
  uuid_lt(uuid, uuid) RETURNS BOOL
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_lt';

CREATE FUNCTION
  uuid_gt(uuid, uuid) RETURNS BOOL
  IMMUTABLE STRICT
  LANGUAGE
  C AS 'MODULE_PATHNAME', 'pg_uuid_gt';

CREATE FUNCTION
  uuid_le(uuid, uuid) RETURNS BOOL

```

```
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_le';
```

```
CREATE FUNCTION
  uuid_ge(uuid, uuid) RETURNS BOOL
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_ge';
```

```
CREATE OPERATOR = (
  leftarg  = uuid,
  rightarg = uuid,
  negator  = <>,
  procedure = uuid_eq
);
```

```
CREATE OPERATOR <> (
  leftarg  = uuid,
  rightarg = uuid,
  negator  = =,
  procedure = uuid_ne
);
```

```
CREATE OPERATOR < (
  leftarg  = uuid,
  rightarg = uuid,
  commutator = >,
  negator  = >=,
  procedure = uuid_lt
);
```

```
CREATE OPERATOR > (
  leftarg  = uuid,
  rightarg = uuid,
  commutator = <,
  negator  = <=,
  procedure = uuid_gt
);
```

```
CREATE OPERATOR <= (
  leftarg  = uuid,
  rightarg = uuid,
  commutator = >=,
  negator  = >,
  procedure = uuid_le
);
```

```
CREATE OPERATOR >= (
  leftarg  = uuid,
```

```

rightarg = uuid,
commutator = <=,
negator = <,
procedure = uuid_ge
);

--
-- the UUID support for indexing
--

CREATE FUNCTION
  uuid_hash(uuid) RETURNS INTEGER
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_hash';

CREATE FUNCTION
  uuid_cmp(uuid, uuid) RETURNS INTEGER
  IMMUTABLE STRICT
  LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_cmp';

CREATE OPERATOR CLASS uuid_ops
  DEFAULT FOR TYPE uuid USING hash AS
  OPERATOR 1 =, -- 1: equal
  FUNCTION 1 uuid_hash(uuid);

CREATE OPERATOR CLASS uuid_ops
  DEFAULT FOR TYPE uuid USING btree AS
  OPERATOR 1 <, -- 1: less than
  OPERATOR 2 <=, -- 2: less than or equal
  OPERATOR 3 =, -- 3: equal
  OPERATOR 4 >=, -- 4: greater than or equal
  OPERATOR 5 >, -- 5: greater than
  FUNCTION 1 uuid_cmp(uuid, uuid);

--
-- epilog
--

COMMIT;

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```
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##
## uuid.tm: Perl XS typemap for xsubpp(1)
##
```

#### TYPEMAP

```
uuid_t *    T_PTRREF
uuid_t **   T_PTRREF
uuid_rc_t   T_IV
uuid_fmt_t  T_IV
int *       T_PV
size_t *    T_PV
const void * T_PV
void **     T_PV
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/oss-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid.tm
```

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```
##
## OSSP uuid - Universally Unique Identifier
## Copyright (c) 2004-2007 Ralf S. Engelschall <rse@engelschall.com>
## Copyright (c) 2004-2007 The OSSP Project <http://www.oss.org/>
##
## This file is part of OSSP uuid, a library for the generation
## of UUIDs which can found at http://www.oss.org/pkg/lib/uuid/
##
```



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##
## uuid_compat.pod: Data::UUID Backward Compatibility Perl API (Perl/POD part)
##
```

=pod

=head1 NAME

Data::UUID - B<OSSP uuid> Backward Compatibility Perl Binding

=head1 DESCRIPTION

B<Data::UUID> is the B<OSSP uuid> backward compatibility Perl binding to the API of the original B<Data::UUID> module. It allows other B<Data::UUID> based Perl modules to run with B<OSSP::uuid> without changes.

=head1 SEE ALSO

B<OSSP::uuid>.

=head1 HISTORY

The backward compatibility Perl binding B<Data::UUID> for B<OSSP uuid> was originally implemented in 2004 by Piotr Roszatycki E<lt>dexter@debian.orgE<gt>.

It was later cleaned up and speed optimized in December 2005 by David Wheeler E<lt>david@justatheory.comE<gt>.

=cut

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid_compat.pod
```

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```
/*
```

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```

```
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```

```
**
```

```
** This file is part of OSSP uuid, a library for the generation
```

```
** of UUIDs which can found at http://www.ossps.org/pkg/lib/uuid/
```

```
**
```

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```

```
**
```

```
** uuid.xs: Perl Binding (Perl/XS part)
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid.xs
```

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```
dnl ##
```

```
dnl ## OSSP uuid - Universally Unique Identifier
```

```
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```

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```

```
dnl ##
```

```
dnl ## This file is part of OSSP uuid, a library for the generation
```

```
dnl ## of UUIDs which can found at http://www.ossps.org/pkg/lib/uuid/
```

```
dnl ##
```

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dnl ##
dnl ## uuid.ac: UUID specific Autoconf checks
dnl ##

dnl # Check for anything OSSP uuid wants to know
dnl # configure.in:
dnl #   UUID_CHECK_ALL

AC_DEFUN(UUID_CHECK_ALL,[
  dnl # make sure libnsl and libsocket are linked in if they exist
  AC_CHECK_LIB(nsl, gethostname)
  if test ".`echo $LIBS | grep nsl`" = .; then
    AC_CHECK_LIB(nsl, gethostbyname)
  fi
  AC_CHECK_LIB(socket, accept)

  dnl # check for portable va_copy()
  AC_CHECK_VA_COPY()

  dnl
  # check for system headers
  AC_CHECK_HEADERS(sys/types.h sys/param.h sys/time.h sys/socket.h sys/sockio.h sys/ioctl.h sys/select.h)
  AC_CHECK_HEADERS(netdb.h ifaddrs.h net/if.h net/if_dl.h net/if_arp.h netinet/in.h arpa/inet.h,,
[[
  #if HAVE_SYS_TYPES_H
  #include <sys/types.h>
  #endif
  #if HAVE_SYS_SOCKET_H
  #include <sys/socket.h>
  #endif

```

```

#if HAVE_SYS_IOCTL_H
#include <sys/ioctl.h>
#endif
])

dnl # check for existence of particular C structures
AC_MSG_CHECKING(for struct timeval)
AC_TRY_COMPILE([
#ifdef HAVE_UNISTD_H
#include <unistd.h>
#endif
#ifdef HAVE_SYS_TYPES_H
#include <sys/types.h>
#endif
#ifdef HAVE_SYS_TIME_H
#include <sys/time.h>
#endif
#include <time.h>
],[ struct timeval tv; ],
[ msg="yes" ], [ msg="no" ])
if test ".$msg" = .yes; then
    AC_DEFINE(HAVE_STRUCT_TIMEVAL, 1, [define if exists "struct timeval"])
fi
AC_MSG_RESULT([$msg])

dnl # check for functions
AC_CHECK_FUNCS(getifaddrs nanosleep Sleep gettimeofday clock_gettime)

dnl # check size of built-in types
AC_CHECK_TYPES([long long, long double])
AC_CHECK_SIZEOF(char, 1)
AC_CHECK_SIZEOF(unsigned char, 1)
AC_CHECK_SIZEOF(short, 2)
AC_CHECK_SIZEOF(unsigned short, 2)
AC_CHECK_SIZEOF(int, 4)
AC_CHECK_SIZEOF(unsigned int, 4)
AC_CHECK_SIZEOF(long, 4)
AC_CHECK_SIZEOF(unsigned long, 4)
AC_CHECK_SIZEOF(long long, 8)
AC_CHECK_SIZEOF(unsigned long long, 8)

dnl # configure option --with-dce
AC_ARG_WITH([dce],
    AC_HELP_STRING([--with-dce], [build DCE 1.1 backward compatibility API]),
    [ac_cv_with_dce=$withval], [ac_cv_with_dce=no])
AC_CACHE_CHECK([whether to build DCE 1.1 backward compatibility API], [ac_cv_with_dce],
[ac_cv_with_dce=no])
if test ".$ac_cv_with_dce" = ".yes"; then

```

```

AC_DEFINE(WITH_DCE, 1, [whether to build DCE 1.1 backward compatibility API])
WITH_DCE='yes'
DCE_NAME='$(DCE_NAME)'
else
  WITH_DCE='no'
  DCE_NAME=""
fi
AC_SUBST(WITH_DCE)
AC_SUBST(DCE_NAME)

dnl # configure option --with-cxx
AC_ARG_WITH([cxx],
  AS_HELP_STRING([--with-cxx], [build C++ bindings to C API]),
  [ac_cv_with_cxx=$withval], [ac_cv_with_cxx=no])
AC_CACHE_CHECK([whether to build C++ bindings to C API], [ac_cv_with_cxx], [ac_cv_with_cxx=no])
if test ".$ac_cv_with_cxx" = ".yes"; then
  AC_DEFINE(WITH_CXX, 1, [whether to build C++ bindings to C API])
  WITH_CXX='yes'
  CXX_NAME='$(CXX_NAME)'
  AC_PROG_CXX
else
  WITH_CXX='no'
  CXX_NAME=""
fi
AC_SUBST(CXX_NAME)
AC_SUBST(WITH_CXX)

dnl # configure option --with-perl
AC_ARG_WITH([perl],
  AS_HELP_STRING([--with-perl], [build Perl bindings to C API]),
  [ac_cv_with_perl=$withval], [ac_cv_with_perl=no])
AC_CACHE_CHECK([whether to build Perl bindings to C API], [ac_cv_with_perl], [ac_cv_with_perl=no])
AC_ARG_WITH([perl-compat],
  AS_HELP_STRING([--with-perl-compat],
[build Perl compatibility API]),
  [ac_cv_with_perl_compat=$withval], [ac_cv_with_perl_compat=no])
AC_CACHE_CHECK([whether to build Perl compatibility API], [ac_cv_with_perl_compat],
[ac_cv_with_perl_compat=no])
if test ".$ac_cv_with_perl" = ".yes"; then
  AC_DEFINE(WITH_PERL, 1, [whether to build Perl bindings to C API])
  WITH_PERL='yes'
  PERL_NAME='$(PERL_NAME)'
else
  WITH_PERL='no'
  PERL_NAME=""
fi
if test ".$ac_cv_with_perl_compat" = ".yes"; then
  AC_DEFINE(WITH_PERL_COMPAT, 1, [whether to build Perl compatibility API])

```

```

    WITH_PERL_COMPAT=1
else
    WITH_PERL_COMPAT=0
fi
AC_SUBST(PERL_NAME)
AC_SUBST(WITH_PERL)
AC_SUBST(WITH_PERL_COMPAT)
AC_PATH_PROG(PERL, perl, NA)
if test ".$ac_cv_with_perl" = ".yes" -a ".$PERL" = ".NA"; then
    AC_ERROR([required Perl interpreter not found in \${PATH}])
fi

dnl # configure option --with-php
AC_ARG_WITH([php],

AS_HELP_STRING([--with-php], [build PHP bindings to C API]),
    [ac_cv_with_php=$withval], [ac_cv_with_php=no])
AC_CACHE_CHECK([whether to build PHP bindings to C API], [ac_cv_with_php], [ac_cv_with_php=no])
if test ".$ac_cv_with_php" = ".yes"; then
    AC_DEFINE(WITH_PHP, 1, [whether to build PHP bindings to C API])
    WITH_PHP='yes'
    PHP_NAME='$(PHP_NAME)'
else
    WITH_PHP='no'
    PHP_NAME=""
fi
AC_SUBST(PHP_NAME)
AC_SUBST(WITH_PHP)
AC_PATH_PROGS(PHP, php5 php, NA)
if test ".$ac_cv_with_php" = ".yes" -a ".$PHP" = ".NA"; then
    AC_ERROR([required PHP interpreter not found in \${PATH}])
fi
if test ".$ac_cv_with_php" = ".yes"; then
    (cd php && make -f Makefile.local config PHP=$PHP)
fi

dnl # configure option --with-pgsql
AC_ARG_WITH([pgsql],
    AS_HELP_STRING([--with-pgsql], [build PostgreSQL bindings to C API]),
    [ac_cv_with_psql=$withval], [ac_cv_with_psql=no])
AC_CACHE_CHECK([whether
to build PostgreSQL bindings to C API], [ac_cv_with_psql], [ac_cv_with_psql=no])
if test ".$ac_cv_with_psql" = ".yes"; then
    AC_DEFINE(WITH_PGSQL, 1, [whether to build PostgreSQL bindings to C API])
    WITH_PGSQL='yes'
    PGSQL_NAME='$(PGSQL_NAME)'
else
    WITH_PGSQL='no'

```

```

PGSQL_NAME="
fi
AC_SUBST(PGSQL_NAME)
AC_SUBST(WITH_PGSQL)
AC_PATH_PROGS(PG_CONFIG, pg_config, NA)
if test ".$ac_cv_with_pgsql" = ".yes" -a ".$PG_CONFIG" = ".NA"; then
  AC_ERROR([required PostgreSQL pg_config utility not found in \$PATH])
fi
if test ".$ac_cv_with_pgsql" = ".yes" -a ".$MAKE-make" -v 2>/dev/null | grep GNU" = .; then
  AC_ERROR([PostgreSQL bindings require GNU make to build])
fi
)

```

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/oss-p-uid-1-6-2-orig-tar-gz/uid-1.6.2/uid.ac

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```

/*
** OSSP ui64 - 64-Bit Arithmetic
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**
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**
** ui64.h: API declaration
*/

```

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid\_ui64.h

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\*\*

\*\* uuid\_cli.c: command line tool

\*/

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid\_cli.c

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dnl
dnl config.m4: PHP/Zend API build-time configuration (language: m4)
dnl
```

```
PHP_ARG_ENABLE(uuid, OSSP uuid module,
[ --enable-uuid      Enable OSSP uuid extension module.])
```

```
if test "$PHP_UUID" != "no"; then
    PHP_NEW_EXTENSION(uuid, uuid.c, $ext_shared)
    AC_DEFINE(HAVE_UUID, 1, [Have OSSP uuid library])
    PHP_ADD_LIBPATH([.], )
    PHP_ADD_LIBRARY([uuid],, UUID_SHARED_LIBADD)
    PHP_ADD_INCLUDE([.])
    PHP_SUBST(UUID_SHARED_LIBADD)
```

```
dnl avoid linking conflict with a potentially existing uuid_create(3) in libc
AC_CHECK_FUNC(uuid_create,[
    SAVE_LDFLAGS="$LDFLAGS"
    LDFLAGS="$LDFLAGS -Wl,-Bsymbolic"
    AC_TRY_LINK([],[], [EXTRA_LDFLAGS="$EXTRA_LDFLAGS -Wl,-Bsymbolic"])
    LDFLAGS="$SAVE_LDFLAGS"])
```

```
fi
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/php/config.m4
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```
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##
## This file is part of OSSP uuid, a library for the generation
```

```
## of UUIDs which can found at http://www.ossproject.org/pkg/lib/uuid/
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##
## uuid.pc.in: pkg-config(1) specification
##
```

```
prefix=@prefix@
exec_prefix=${prefix}
includedir=${prefix}/include
libdir=${exec_prefix}/lib
```

```
Name: OSSP uuid
Description: Universally Unique Identifier (UUID) Library
Version: @UUID_VERSION_RAW@
URL: http://www.ossproject.org/pkg/lib/uuid/
Cflags: -I${includedir}
Libs: -L${libdir} -luuid
Libs.private: @LIBS@
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossproject-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid.pc.in
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```
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**
** uuid_sha1.h: SHA-1 API definition
*/
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid_sha1.h
```

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```
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**
** uuid_str.h: string formatting functions
**/
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid_str.h
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```

```
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**
** uuid_mac.c: Media Access Control (MAC) resolver implementation
**/
```

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```
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```

```
/*
```

```
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**
** ui128.c: implementation of 128-bit unsigned integer arithmetic
**/
```

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```
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```
/*
```

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**
** uuid++.hh: library C++ API definition
*/
```

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**
** uuid_time.h: Time Management API
*/
```

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\*\*

\*\* uuid\_sha1.c: SHA-1 API implementation

\*/

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**
** uuid_str.c: string formatting functions
*/
```

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**
** ui128.h: API declaration
*/
```

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##
## uuid++.pod: manual page for C++ API
##
=pod

=head1 NAME

B<OSSP uuid> - B<Universally Unique Identifier> (C++ API)

=head1 VERSION
```

OSSP uuid UUID\_VERSION\_STR

=head1 DESCRIPTION

B<uuid++> is the ISO-C++ language binding of the B<OSSP uuid> C API. It provides a thin ISO-C++ class B<uuid> wrapping the ISO-C API type B<uuid\_t>.

=head1 APPLICATION PROGRAMMING INTERFACE

The ISO-C++ Application Programming Interface (API) of B<OSSP uuid> consists of the following components:

=head2 CONSTANTS

The constants are the same to those provided by the ISO-C API. See uuid(3) for details.

=head2  
CLASSES

The following classes are provided:

=over 4

=item B<uuid>

This is the class corresponding to the C API type B<uuid\_t>. It is the main object.

=item B<uuid\_error\_t>

This is the class corresponding to the C API function B<uuid\_error>. It is the object thrown as an exception in case of any errors.

=back

=head2 METHODS

The following methods are provided:

=over 4

=item B<uuid>();

The standard constructor.

=item B<uuid>(const uuid &\_obj);

The copy constructor for B<uuid> class.

=item B<uuid>(const uuid\_t \*\_obj);

The import constructor for C API objects.

=item B<uuid>(const void \*\_bin);

The import constructor for binary representation.

=item B<uuid>(const char \*\_str);

The import constructor for string representation.

=item ~B<uuid>();

The standard destructor for B<uuid> class.

=item uuid &B<uuid::operator=>(const uuid &\_obj);

The assignment operator corresponding to the copy constructor.

=item uuid &B<uuid::operator=>(const uuid\_t \*\_obj);

The assignment operator corresponding to the import constructor for C API objects.

=item uuid &B<uuid::operator=>(const void \*\_bin);

The assignment operator corresponding to the import constructor for binary representation.

=item uuid &B<uuid::operator=>(const char \*\_str);

The assignment operator corresponding to the import constructor for string and single integer value representation.

=item uuid B<uuid::clone>(void);

Regular method corresponding to the C API function B<uuid\_clone>.

=item void B<uuid::load>(const char \*\_name);

Regular method corresponding to the C API function B<uuid\_load>.

=item void B<uuid::make>(unsigned int \_mode, ...);

Regular method corresponding to the C API function B<uuid\_make>.

=item int B<uuid::isnil>(void);

Regular method corresponding to the C API function B<uuid\_isnil>.

=item int B<uuid::compare>(const uuid &\_obj);

Regular method corresponding to the C API function B<uuid\_compare>.

=item int B<uuid::operator==>(const uuid &\_obj);

The comparison operator  
corresponding to B<uuid\_compare> usage for equality.

=item int B<uuid::operator!=>(const uuid &\_obj);

The comparison operator corresponding to B<uuid\_compare> usage for inequality.

=item int B<uuid::operatorE<lt>>(const uuid &\_obj);

The comparison operator corresponding to B<uuid\_compare> usage for less-than.

=item int B<uuid::operatorE<lt>=>(const uuid &\_obj);

The comparison operator corresponding to B<uuid\_compare> usage for less-than-or-equal.

=item int B<uuid::operatorE<gt>>(const uuid &\_obj);

The comparison operator corresponding to B<uuid\_compare> usage for greater-than.

=item int B<uuid::operatorE<gt>=>(const uuid &\_obj);

The comparison operator corresponding to B<uuid\_compare> usage for greater-than-or-equal.

=item void B<uuid::import>(const void \*\_bin);

Regular method corresponding to the C API function B<uuid\_import> for binary representation usage.

=item void B<uuid::import>(const char \*\_str);

Regular method corresponding to the C API function B<uuid\_import>  
for string representation usage.

=item void \*B<uuid::binary>(void);

Regular method corresponding to the C API function B<uuid\_export> for binary representation usage.

=item char \*B<uuid::string>(void);

Regular method corresponding to the C API function `B<uuid_export>` for string representation usage.

```
=item char *B<uuid::integer>(void);
```

Regular method corresponding to the C API function `B<uuid_export>` for single integer value representation usage.

```
=item char *B<uuid::summary>(void);
```

Regular method corresponding to the C API function `B<uuid_export>` for textual summary representation usage.

```
=item unsigned long B<uuid::version>(void);
```

Regular method corresponding to the C API function `B<uuid_version>`.

```
=item B<uuid_error_t>()
```

The standard constructor for `B<uuid_error_t>` class.

```
=item B<uuid_error_t>(uuid_rc_t _code)
```

The standard constructor for `B<uuid_error_t>` class with return code initialization.

```
=item ~B<uuid_error_t>()
```

The standard destructor for `B<uuid_error_t>` class.

```
=item  
void B<uuid_error_t::code>(uuid_rc_t _code)
```

Regular method for setting the return code.

```
=item uuid_rc_t B<uuid_error_t::code>(void)
```

Regular method for fetching the return code.

```
=item char *B<uuid_error_t::string>(void)
```

Regular method for fetching the string corresponding to the current return code.

```
=back
```

```
=head1 EXAMPLE
```

The following shows an example usage of the C++ API. Exception handling is omitted for code simplification and has to be re-added for production code.

```
/* generate a DCE 1.1 v1 UUID from system environment */
```

```
char *uuid_v1(void)
{
    uuid id;
    char *str;

    id.make(UUID_MAKE_V1);
    str = id.string();
    return str;
}
```

```
/* generate a DCE 1.1 v3 UUID from an URL */
```

```
char *uuid_v3(const char *url)
{
    uuid id;
    uuid id_ns;
    char *str;

    id_ns.load("ns:URL");
    id.make(UUID_MAKE_V3, &id_ns, url);
    str = id.string();
    return str;
}
```

=head1 SEE ALSO

uuid(3).

=cut

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```
/*
```

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\*\*  
\*\* uuid.h: library API definition  
\*/

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\*\*  
\*\* uuid++.cc: library C++ API implementation

\*/

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\*\*

\*\* uuid\_ac.c: auto-configuration

\*/

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**
** uuid_prng.h: PRNG API definition
*/
```

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\*\* uuid.c: library API implementation

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\* /opt/cola/permits/105632424\_1695285081.5201023/0/osspp-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid.c

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\*\* OSSP uuid - Universally Unique Identifier

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\*\* of UUIDs which can found at <http://www.osspp.org/pkg/lib/uuid/>

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\*\*

\*\* uuid\_time.c: Time Management

\*/

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**
** uuid.c: PostgreSQL Binding (C part)
*/
```

Found in path(s):

```
* /opt/cola/permits/105632424_1695285081.5201023/0/oss-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/pgsql/uuid.c
```

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```
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##
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##
## uuid.pod: manual page
##
```

=pod

=head1 NAME

B<OSSP uuid> - B<Universally Unique Identifier>

=head1 VERSION

OSSP uuid UUID\_VERSION\_STR

=head1 DESCRIPTION

B<OSSP uuid> is a ISO-C:1999 application programming interface (API) and corresponding command line interface (CLI) for the generation of DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 compliant I<Universally Unique Identifier> (UUID). It supports DCE 1.1 variant UUIDs of version 1 (time and node based), version 3 (name based, MD5), version 4 (random number based) and version 5 (name based, SHA-1). Additional API bindings are provided for the languages ISO-C++:1998, Perl:5 and PHP:4/5. Optional backward compatibility exists for the ISO-C DCE-1.1 and Perl Data::UUID APIs.

UUIDs are 128 bit numbers which are intended to have a high likelihood of uniqueness over space and time and are computationally difficult to guess. They are globally unique identifiers which can be locally generated without contacting a global registration authority. UUIDs are intended as unique identifiers for both mass tagging objects with an extremely short lifetime and to reliably identifying very persistent objects across a network.

This is the ISO-C application programming interface (API) of B<OSSP uuid>.

=head2 UUID Binary Representation

According to the DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 standards, a DCE 1.1 variant UUID is a 128 bit number defined out of 7 fields, each field a multiple of an octet in size and stored in network byte order:



An example of a UUID binary representation is the octet stream C<0xF8 0x1D 0x4F 0xAE 0x7D 0xEC 0x11 0xD0 0xA7 0x65 0x00 0xA0 0xC9 0x1E 0x6B 0xF6>. The binary representation format is exactly what the B<OSSP uuid> API functions B<uuid\_import>() and B<uuid\_export>()

deal with under  
C<UUID\_FMT\_BIN>.

#### =head2 UUID ASCII String Representation

According to the DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 standards, a DCE 1.1 variant UUID is represented as an ASCII string consisting of 8 hexadecimal digits followed by a hyphen, then three groups of 4 hexadecimal digits each followed by a hyphen, then 12 hexadecimal digits. Formally, the string representation is defined by the following grammar:

```
uuid          = <time_low> "-"
               <time_mid> "-"
               <time_high_and_version> "-"
               <clock_seq_high_and_reserved>
               <clock_seq_low> "-"
               <node>
time_low      = 4*<hex_octet>
time_mid      = 2*<hex_octet>
time_high_and_version = 2*<hex_octet>
clock_seq_high_and_reserved = <hex_octet>
clock_seq_low = <hex_octet>
node          =
6*<hex_octet>
hex_octet     = <hex_digit> <hex_digit>
hex_digit     = "0"|"1"|"2"|"3"|"4"|"5"|"6"|"7"|"8"|"9"
               |"a"|"b"|"c"|"d"|"e"|"f"
               |"A"|"B"|"C"|"D"|"E"|"F"
```

An example of a UUID string representation is the ASCII string "C<f81d4fae-7dec-11d0-a765-00a0c91e6bf6>". The string representation format is exactly what the B<OSSP uuid> API functions B<uuid\_import>() and B<uuid\_export>() deal with under C<UUID\_FMT\_STR>.

Notice: a corresponding URL can be generated out of a ASCII string representation of an UUID by prefixing with "C<urn:uuid:>" as in "C<urn:uuid:f81d4fae-7dec-11d0-a765-00a0c91e6bf6>".

#### =head2 UUID Single Integer Value Representation

According to the ISO/IEC 11578:1996 and ITU-T Rec. X.667 standards, a DCE 1.1 variant UUID can be also represented as a single integer value consisting of a decimal number with up to 39 digits.

An example of a UUID single integer value representation is the decimal number "C<329800735698586629295641978511506172918>". The string

representation format is exactly what the B<OSSP uuid> API functions B<uuid\_import>() and B<uuid\_export>() deal with under C<UUID\_FMT\_SIV>.

Notice: a corresponding ISO OID can be generated under the "{joint-iso-itu-t(2) uuid(25)}" arc out of a single integer value representation of a UUID by prefixing with "C<2.25.>". An example OID is "C<2.25.329800735698586629295641978511506172918>". Additionally, an URL can be generated by further prefixing with "C<urn:oid:>" as in "C<urn:oid:2.25.329800735698586629295641978511506172918>".

## =head2 UUID Variants and Versions

A UUID has a variant and version. The variant defines the layout of the UUID. The version defines the content of the UUID. The UUID variant supported in B<OSSP uuid> is the DCE 1.1 variant only. The DCE 1.1 UUID variant versions supported in B<OSSP uuid> are:

=over 4

=item B<Version 1> (time and node based)

These are the classical UUIDs, created out of a 60-bit system time, a 14-bit local clock sequence and 48-bit system MAC address. The MAC address can be either the real one of a physical network interface card (NIC) or a random multi-cast MAC address. Version 1 UUIDs are usually used as one-time global unique identifiers.

=item B<Version 3> (name based, MD5)

These are UUIDs which are based on the 128-bit MD5 message digest of the concatenation of a 128-bit namespace UUID and a name string of arbitrary length. Version 3 UUIDs are usually used for non-unique but repeatable message digest identifiers.

=item B<Version 4> (random data based)

These are UUIDs which are based on just 128-bit of random data. Version 4 UUIDs are usually used as one-time local unique identifiers.

=item B<Version 5> (name based, SHA-1)

These are UUIDs which are based on the 160-bit SHA-1 message digest of the concatenation of a 128-bit namespace UUID and a name string of arbitrary length. Version 5 UUIDs are usually used for non-unique but repeatable message digest identifiers.

=back

=head2 UUID Uniqueness

Version 1 UUIDs are guaranteed to be unique through combinations of hardware addresses, time stamps and random seeds. There is a reference in the UUID to the hardware (MAC) address of the first network interface card (NIC) on the host which generated the UUID -- this reference is intended to ensure the UUID will be unique in space as the MAC address of every network card is assigned by a single global authority (IEEE) and is guaranteed to be unique. The next component in a UUID is a timestamp which, as clock always (should) move forward, will be unique in time. Just in case some part of the above goes wrong (the hardware address cannot be determined or the clock moved steps backward), there is a random clock sequence component placed into the UUID as a "catch-all" for uniqueness.

Version 3 and version 5 UUIDs are guaranteed to be inherently globally unique if the combination of namespace and name used to generate them is unique.

Version

4 UUIDs are not guaranteed to be globally unique, because they are generated out of locally gathered pseudo-random numbers only. Nevertheless there is still a high likelihood of uniqueness over space and time and that they are computationally difficult to guess.

=head2 Nil UUID

There is a special I<Nil> UUID consisting of all octets set to zero in the binary representation. It can be used as a special UUID value which does not conflict with real UUIDs.

=head1 APPLICATION PROGRAMMING INTERFACE

The ISO-C Application Programming Interface (API) of B<OSSP uuid> consists of the following components.

=head2 CONSTANTS

The following constants are provided:

=over 4

=item B<UUID\_VERSION>

The hexadecimal encoded B<OSSP uuid> version. This allows compile-time checking of the B<OSSP uuid> version. For run-time checking use



B<uuid\_version>() instead.

The hexadecimal encoding for a version "\$I<v>.\$I<r>\$I<t>\$I<l>" is calculated with the B<GNU shtool> B<version> command and is (in Perl-style

for concise description) "sprintf('0x%x%02x%d%02x', \$I<v>, \$I<r>, {qw(s 9 . 2 b 1 a 0)}->{\$I<t>}, (\$I<t> eq 's' ? 99 : \$I<l>))", i.e., the version 0.9.6 is encoded as "0x009206".

=item B<UUID\_LEN\_BIN>, B<UUID\_LEN\_STR>, B<UUID\_LEN\_SIV>

The number of octets of the UUID binary and string representations.

Notice that the lengths of the string representation (B<UUID\_LEN\_STR>) and the lengths of the single integer value representation

(B<UUID\_LEN\_SIV>) does I<not> include the necessary C<NUL> termination character.

=item B<UUID\_MAKE\_V1>, B<UUID\_MAKE\_V3>, B<UUID\_MAKE\_V4>, B<UUID\_MAKE\_V5>, B<UUID\_MAKE\_MC>

The I<mode> bits for use with B<uuid\_make>(). The B<UUID\_MAKE\_V>I<N> specify which UUID version to generate. The B<UUID\_MAKE\_MC> forces the use of a random multi-cast MAC address instead of the real physical MAC address in version 1 UUIDs.

=item B<UUID\_RC\_OK>, B<UUID\_RC\_ARG>, B<UUID\_RC\_MEM>, B<UUID\_RC\_SYS>, B<UUID\_RC\_INT>, B<UUID\_RC\_IMP>

The possible numerical return-codes of API functions.

The C<UUID\_RC\_OK> indicates success, the others indicate errors.

Use B<uuid\_error>() to translate them into string versions.

=item B<UUID\_FMT\_BIN>, B<UUID\_FMT\_STR>, B<UUID\_FMT\_SIV>, B<UUID\_FMT\_TXT>

The I<fmt> formats for use with B<uuid\_import>() and B<uuid\_export>().

The B<UUID\_FMT\_BIN> indicates the UUID binary representation (of length B<UUID\_LEN\_BIN>), the B<UUID\_FMT\_STR> indicates the UUID string representation (of length B<UUID\_LEN\_STR>), the B<UUID\_FMT\_SIV> indicates the UUID single integer value representation (of maximum length B<UUID\_LEN\_SIV>) and the B<UUID\_FMT\_TXT> indicates the textual description (of arbitrary length) of a UUID.

=back

=head2 FUNCTIONS

The following functions are provided:

=over 4

=item uuid\_rc\_t B<uuid\_create>(uuid\_t \*\*I<uuid>);

Create a new UUID object and store a pointer to it in C<\*>I<uuid>.  
A UUID object consists of an internal representation of a UUID, the internal PRNG and MD5 generator contexts, and cached MAC address and timestamp information. The initial UUID is the I<Nil> UUID.

=item uuid\_rc\_t B<uuid\_destroy>(uuid\_t \*I<uuid>);

Destroy UUID object I<uuid>.

=item uuid\_rc\_t B<uuid\_clone>(const uuid\_t \*I<uuid>, uuid\_t \*\*I<uuid\_clone>);

Clone UUID object I<uuid> and store new UUID object in I<uuid\_clone>.

=item uuid\_rc\_t B<uuid\_isnil>(const uuid\_t \*I<uuid>, int \*I<result>);

Checks whether the UUID in I<uuid> is the I<Nil> UUID.  
If this is the case, it returns I<true> in C<\*>I<result>.  
Else it returns I<false> in C<\*>I<result>.

=item uuid\_rc\_t B<uuid\_compare>(const uuid\_t \*I<uuid>, const uuid\_t \*I<uuid2>, int \*I<result>);

Compares the order of the two UUIDs in I<uuid1> and I<uuid2>  
and returns the result in C<\*>I<result>: C<-1> if I<uuid1> is smaller than I<uuid2>, C<0> if I<uuid1> is equal to I<uuid2> and C<+1> if I<uuid1> is greater than I<uuid2>.

=item uuid\_rc\_t B<uuid\_import>(uuid\_t \*I<uuid>, uuid\_fmt\_t I<fmt>, const void \*I<data\_ptr>, size\_t I<data\_len>);

Imports a UUID I<uuid> from an external representation of format I<fmt>.  
The data is read from the buffer at I<data\_ptr> which contains at least I<data\_len> bytes.

The format of the external representation is specified by I<fmt> and the minimum expected length in I<data\_len> depends on it. Valid values for I<fmt> are B<UUID\_FMT\_BIN>, B<UUID\_FMT\_STR> and B<UUID\_FMT\_SIV>.

=item uuid\_rc\_t B<uuid\_export>(const uuid\_t \*I<uuid>, uuid\_fmt\_t I<fmt>, void \*I<data\_ptr>, size\_t \*I<data\_len>);

Exports a UUID I<uuid> into an external representation of format

I<fmt>. Valid values for I<fmt> are B<UUID\_FMT\_BIN>, B<UUID\_FMT\_STR>, B<UUID\_FMT\_SIV> and B<UUID\_FMT\_TXT>.

The data is written to the buffer whose location is obtained by dereferencing I<data\_ptr> after a "cast" to the appropriate pointer-to-pointer type. Hence the generic pointer argument I<data\_ptr> is expected to be a pointer to a "pointer of a particular type", i.e., it has to be of type "C<unsigned char \*\*>" for B<UUID\_FMT\_BIN> and "C<char \*\*>" for B<UUID\_FMT\_STR>, B<UUID\_FMT\_SIV> and B<UUID\_FMT\_TXT>.

The buffer has to be room for at least C<\*>I<data\_len> bytes. If the value of the pointer after "casting" and dereferencing I<data\_ptr> is C<NULL>, I<data\_len> is ignored as input and a new buffer is allocated and returned in the pointer after "casting" and dereferencing I<data\_ptr> (the caller has to free(3) it later on).

If I<data\_len> is not C<NULL>, the number of available bytes in the buffer has to be provided in C<\*>I<data\_len> and the number of actually written bytes are returned in C<\*>I<data\_len> again. The minimum required buffer length depends on the external representation as specified by I<fmt> and is at least B<UUID\_LEN\_BIN> for B<UUID\_FMT\_BIN>, B<UUID\_LEN\_STR> for B<UUID\_FMT\_STR> and B<UUID\_LEN\_SIV> for B<UUID\_FMT\_SIV>. For B<UUID\_FMT\_TXT> a buffer of unspecified length is required and hence it is recommended to allow B<OSSP uuid> to allocate the buffer as necessary.

```
=item uuid_rc_t B<uuid_load>(uuid_t *I<uuid>, const char *I<name>);
```

#### Loads

a pre-defined UUID value into the UUID object I<uuid>. The following I<name> arguments are currently known:

```
=over 4
```

```
=item I<name>    I<UUID>
```

```
=item nil      00000000-0000-0000-0000-000000000000
```

```
=item ns:DNS   6ba7b810-9dad-11d1-80b4-00c04fd430c8
```

```
=item ns:URL   6ba7b811-9dad-11d1-80b4-00c04fd430c8
```

```
=item ns:OID   6ba7b812-9dad-11d1-80b4-00c04fd430c8
```

```
=item ns:X500  6ba7b814-9dad-11d1-80b4-00c04fd430c8
```

```
=back
```

The "C<ns:>I<XXX>" are names of pre-defined name-space UUIDs for use in the generation of DCE 1.1 version 3 and version 5 UUIDs.

```
=item uuid_rc_t B<uuid_make>(uuid_t *I<uuid>, unsigned int I<mode>, ...);
```

Generates a new UUID in I<uuid> according to I<mode> and optional arguments (dependent on I<mode>).

If I<mode> contains the C<UUID\_MAKE\_V1> bit, a DCE 1.1 variant UUID of version 1 is generated. Then optionally the bit C<UUID\_MAKE\_MC> forces the use of random multi-cast MAC address instead of the real physical MAC address (the default). The UUID is generated out of the 60-bit current system time, a 12-bit clock sequence and the 48-bit MAC address.

If I<mode> contains the C<UUID\_MAKE\_V3> or C<UUID\_MAKE\_V5> bit, a DCE 1.1 variant UUID of version 3 or 5 is generated and two additional arguments are expected: first, a namespace UUID object (C<uuid\_t \*>). Second, a name string of arbitrary length (C<const char \*>). The UUID is generated out of the 128-bit MD5 or 160-bit SHA-1 from the concatenated octet stream of namespace UUID and name string.

If I<mode> contains the C<UUID\_MAKE\_V4> bit, a DCE 1.1 variant UUID of version 4 is generated. The UUID is generated out of 128-bit random data.

```
=item char *B<uuid_error>(uuid_rc_t I<rc>);
```

Returns a constant string representation corresponding to the return-code I<rc> for use in displaying B<OSSP uuid> errors.

```
=item unsigned long B<uuid_version>(void);
```

Returns the hexadecimal encoded B<OSSP uuid> version as compiled into the library object files. This allows run-time checking of the B<OSSP uuid> version.

For compile-time checking use C<UUID\_VERSION> instead.

```
=back
```

```
=head1 EXAMPLE
```

The following shows an example usage of the API. Error handling is omitted for code simplification and has to be re-added for production code.

```
/* generate a DCE 1.1 v1 UUID from system environment */
```

```

char *uuid_v1(void)
{
    uuid_t *uuid;
    char *str;

    uuid_create(&uuid);
    uuid_make(uuid, UUID_MAKE_V1);
    str = NULL;
    uuid_export(uuid, UUID_FMT_STR, &str, NULL);
    uuid_destroy(uuid);
    return str;
}

/* generate a DCE 1.1 v3 UUID from an URL */
char *uuid_v3(const char *url)
{
    uuid_t *uuid;
    uuid_t *uuid_ns;
    char *str;

    uuid_create(&uuid);
    uuid_create(&uuid_ns);
    uuid_load(uuid_ns, "ns:URL");
    uuid_make(uuid, UUID_MAKE_V3, uuid_ns, url);
    str = NULL;
    uuid_export(uuid, UUID_FMT_STR, &str, NULL);
    uuid_destroy(uuid_ns);
    uuid_destroy(uuid);
    return str;
}

```

=head1 SEE ALSO

The following are references to B<UUID> documentation and specifications:

=over 4

=item

B<A Universally Unique Identifier (UUID) URN Namespace>, P. Leach, M. Mealling, R. Salz, IETF RFC-4122, July 2005, 32 pages, <http://www.ietf.org/rfc/rfc4122.txt>

=item

Information Technology -- Open Systems Interconnection (OSI),  
B<Procedures for the operation of OSI Registration Authorities:  
Generation and Registration of Universally Unique Identifiers (UUIDs)  
and their Use as ASN.1 Object Identifier Components>,  
ISO/IEC 9834-8:2004 / ITU-T Rec. X.667, 2004,  
December 2004, 25 pages,  
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=item

B<DCE 1.1: Remote Procedure Call>,  
appendix B<Universally Unique Identifier>,  
Open Group Technical Standard  
Document Number C706, August 1997, 737 pages,  
(supersedes C309 DCE: Remote Procedure Call 8/1994,  
which was basis for ISO/IEC 11578:1996 specification),  
<http://www.opengroup.org/publications/catalog/c706.htm>

=item

Information technology -- Open Systems Interconnection (OSI),  
B<Remote Procedure  
Call (RPC)>,  
ISO/IEC 11578:1996,  
August 2001, 570 pages, (CHF 340,00),  
<http://www.iso.ch/cate/d2229.html>

=item

B<HTTP Extensions for Distributed Authoring (WebDAV)>,  
section B<6.4.1 Node Field Generation Without the IEEE 802 Address>,  
IETF RFC-2518,  
February 1999, 94 pages,  
<http://www.ietf.org/rfc/rfc2518.txt>

=item

B<DCE 1.1 compliant UUID functions>,  
FreeBSD manual pages uuid(3) and uuidgen(2),  
<http://www.freebsd.org/cgi/man.cgi?query=uuid&manpath=FreeBSD+6.0-RELEASE>

=back

=head1 HISTORY

B<OSSP uuid> was implemented in January 2004 by Ralf S. Engelschall  
E<lt>rse@engelschall.comE<gt>. It was prompted by the use of UUIDs  
in the B<OSSP as> and B<OpenPKG> projects. It is a clean room

implementation intended to be strictly standards compliant and maximum portable.

=head1 SEE ALSO

uuid(1), uuid-config(1), OSSP::uuid(3).

=cut

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/oss-p-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid.pod

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\*\* This file is part of OSSP ui64, a 64-bit arithmetic library

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\*\* ui64.c: implementation of 64-bit unsigned integer arithmetic

\*/

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\* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/configure.ac

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##

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##

## uuid.pod: Perl Binding (Perl/POD part)

##

=pod

=head1 NAME

OSSP::uuid - B<OSSP uuid> Perl Binding

=head1 DESCRIPTION

B<OSSP uuid> is a ISO-C:1999 application programming interface (API)

and corresponding command line interface (CLI) for the generation of

DCE 1.1, ISO/IEC 11578:1996 and RFC 4122 compliant I<Universally Unique



Identifier> (UUID). It supports DCE 1.1 variant UUIDs of version 1 (time and node based), version 3 (name based, MD5), version 4 (random number based) and version 5 (name based, SHA-1). Additional API bindings are provided for the languages ISO-C++:1998, Perl:5 and PHP:4/5. Optional backward compatibility exists for the ISO-C DCE-1.1 and Perl Data::UUID APIs.

B<OSSP::uuid> is the Perl binding to the B<OSSP uuid> API. Three variants are provided:

=head2 TIE-STYLE API

The TIE-style API is a functionality-reduced wrapper around the OO-style API and intended for very high-level convenience programming:

=over 4

=item C<use OSSP::uuid;>

=item B<tie>C< my \$uuid, 'OSSP::uuid::tie', \$mode, ...;>

=item C<\$uuid = [ \$mode, ... ];>

=item C<print "UUID=\$uuid\n";>

=item C<untie \$uuid;>

=back

=head2 OO-STYLE API

The OO-style API is a wrapper around the C-style API and intended for high-level regular programming.

=over 4

=item C<use OSSP::uuid;>

=item C<my \$uuid = >B<new>C< OSSP::uuid;>

=item C<\$uuid-E<gt>>B<load>C<(\$name);>

=item C<\$uuid-E<gt>>B<make>C<(\$mode, ...);>

=item C<\$result = \$uuid-E<gt>>B<isnil>C<();>

=item C<\$result = \$uuid-E<gt>>B<compare>C<(\$uuid2);>

=item C<\$uuid-E<gt>>B<import>C<(\$fmt, \$data\_ptr);>

=item C<\$data\_ptr  
= \$uuid-E<gt>>B<export>C<(\$fmt);>

=item C<[(\$str[, \$rc)] = \$uuid-E<gt>>B<error>C<();>

=item C<\$ver = \$uuid-E<gt>>B<version>C<();>

=item C<undef \$uuid;>

=back

Additionally, the strings C<"v1">, C<"v3">, C<"v4">, C<"v5"> and C<"mc"> can be used in C<\$mode> and the strings C<"bin">, C<"str">, and C<"txt"> can be used for C<\$fmt>.

=head2 C-STYLE API

The C-style API is a direct mapping of the B<OSSP uuid> ISO-C API to Perl and is intended for low-level programming. See `uuid(3)` for a description of the functions and their expected arguments.

=over 4

=item C<use OSSP::uuid qw(:all);>

=item C<my \$uuid; \$rc = >B<uuid\_create>C<(\$uuid);>

=item C<\$rc = >B<uuid\_load>C<(\$uuid, \$name);>

=item C<\$rc = >B<uuid\_make>C<(\$uuid, \$mode, ...);>

=item C<\$rc = >B<uuid\_isnil>C<(\$uuid, \$result);>

=item C<\$rc = >B<uuid\_compare>C<(\$uuid, \$uuid2, \$result);>

=item C<\$rc = >B<uuid\_import>C<(\$uuid, \$fmt, \$data\_ptr, \$data\_len);>

=item C<\$rc = >B<uuid\_export>C<(\$uuid, \$fmt, \$data\_ptr, \$data\_len);>

=item

C<\$str = >B<uuid\_error>C<(\$rc);>

=item C<\$ver = >B<uuid\_version>C<();>

```
=item C<$rc =>B<uuid_destroy>C<($uuid);>
```

```
=back
```

Additionally, the following constants are exported for use in C<\$rc>, C<\$mode>, C<\$fmt> and C<\$ver>:

```
C<UUID_VERSION>,
C<UUID_LEN_BIN>,
C<UUID_LEN_STR>,
C<UUID_RC_OK>,
C<UUID_RC_ARG>,
C<UUID_RC_MEM>,
C<UUID_RC_SYS>,
C<UUID_RC_INT>,
C<UUID_RC_IMP>,
C<UUID_MAKE_V1>,
C<UUID_MAKE_V3>,
C<UUID_MAKE_V4>,
C<UUID_MAKE_V5>,
C<UUID_MAKE_MC>,
C<UUID_FMT_BIN>,
C<UUID_FMT_STR>,
C<UUID_FMT_SIV>,
C<UUID_FMT_TXT>.
```

```
=head1 EXAMPLES
```

The following two examples create the version 3 UUID

C<02d9e6d5-9467-382e-8f9b-9300a64ac3cd>, both via the OO-style and the C-style API. Error handling is omitted here for easier reading, but has to be added for production-quality code.

```
# TIE-style API (very high-level)
use OSSP::uuid;
tie my $uuid, 'OSSP::uuid::tie';
$uuid = [ "v1" ];
print "UUIDs: $uuid, $uuid, $uuid\n";
$uuid = [ "v3", "ns:URL", "http://www.osspl.org/" ];
print "UUIDs:
$uuid, $uuid, $uuid\n";
untie $uuid;

# OO-style API (high-level)
use OSSP::uuid;
my $uuid = new OSSP::uuid;
my $uuid_ns = new OSSP::uuid;
$uuid_ns->load("ns:URL");
$uuid->make("v3", $uuid_ns, "http://www.osspl.org/");
```

```

undef $uuid_ns;
my $str = $uuid->export("str");
undef $uuid;
print "$str\n";

# C-style API (low-level)
use OSSP::uuid qw(:all);
my $uuid;  uuid_create($uuid);
my $uuid_ns;  uuid_create($uuid_ns);
uuid_load($uuid_ns, "ns:URL");
uuid_make($uuid, UUID_MAKE_V3, $uuid_ns, "http://www.oss.org/");
uuid_destroy($uuid_ns);
my $str;  uuid_export($uuid, UUID_FMT_STR, $str, undef);
uuid_destroy($uuid);
print "$str\n";

```

=head1 SEE ALSO

uuid(1), uuid-config(1), uuid(3).

=head1 HISTORY

The Perl binding B<OSSP::uuid> to B<OSSP uuid> was implemented in November 2004 by Ralf S. Engelschall E<lt>rse@engelschall.comE<gt>.

=cut

Found in path(s):

\* /opt/cola/permits/105632424\_1695285081.5201023/0/oss-p-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid.pod  
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**  
** uuid_dce.h: DCE 1.1 compatibility API definition  
*/
```

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**  
** uuid_md5.c: MD5 API implementation  
*/  
/*  
* RSA Data Security, Inc., MD5 message-digest algorithm
```

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- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid.ts
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/php/Makefile.local
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid\_compat.ts
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- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/Makefile.PL
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/uuid-config.in
- \*

- /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/uuid.pm
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/perl/Makefile.PL
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-
- 1.6.2/perl/uuid\_compat.pm
- \* /opt/cola/permits/105632424\_1695285081.5201023/0/ossps-uuid-1-6-2-orig-tar-gz/uuid-1.6.2/php/uuid.ts
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**
** uuid_bm.c: bitmask API implementation
*/
```

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## HOME AND DOCUMENTATION

The documentation and latest release can be found on

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- o <ftp://ftp.ossproject.org/pkg/lib/uuid/>

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**
** uuid_dce.c: DCE 1.1 compatibility API implementation
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```

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Format stream\_if

# 1.142 udev-extraconf 0.0-r3

## 1.143 file 5.11-r1

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## 1.146 pcre 8.21-r1

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-----

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

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Cambridge, England.

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### PCRE JUST-IN-TIME COMPILATION SUPPORT

-----

Written  
by: Zoltan Herczeg  
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## STACK-LESS JUST-IN-TIME COMPILER

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

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## THE C++ WRAPPER FUNCTIONS

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## 1.147 python-setuptools 0.6c11-ml3.1

## 1.148 sudo 1.8.4p4-r3.1

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Matt Ackeret  
Mark Adler  
Russ Allbery  
Nick Andrew  
Dimitry Andric  
Danny Barron



Tom Bates  
Zdenek Behan  
Ray Bellis  
Elias Benali  
Jamie Beverly  
Spider Boardman  
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P.J. Bostley  
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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

## 1.149 libice 1.0.8-r0

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