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Text Part Number: 78EE117C99-1073295479

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## Contents

### **1.1 gnupg 1.4.20 1ubuntu3.3**

1.1.1 Available under license

### **1.2 findutils 4.6.0+git+20161106 2**

1.2.1 Available under license

### **1.3 mawk 1.3.3-17+b3**

1.3.1 Available under license

### **1.4 less 481 2.1ubuntu0.2**

1.4.1 Available under license

### **1.5 sudo 1.8.16-0ubuntu1.9**

1.5.1 Available under license

### **1.6 libuv 1.14.1**

1.6.1 Available under license

### **1.7 php 7.4.10**

1.7.1 Available under license

### **1.8 gzip 1.6 4ubuntu1**

1.8.1 Available under license

### **1.9 python 3.5.2-2ubuntu0~16.04.10**

1.9.1 Available under license

### **1.10 mtr 0.86 1ubuntu0.1**

1.10.1 Available under license

### **1.11 usbutils 007 4**

1.11.1 Available under license

### **1.12 lshw 02.17 1.1ubuntu3.4**

1.12.1 Available under license

### **1.13 iconv 2.24**

1.13.1 Available under license

- 1.14 xz 5.2.2 1.2+b1**
  - 1.14.1 Available under license
- 1.15 gnupg 2.1.11-6ubuntu2.1**
  - 1.15.1 Available under license
- 1.16 patch 2.7.5-1+deb9u1**
  - 1.16.1 Available under license
- 1.17 ed 1.15**
- 1.18 traceroute 2.0.21-1**
  - 1.18.1 Available under license
- 1.19 findutils 4.6.0+git+20160126 2**
  - 1.19.1 Available under license
- 1.20 dash 0.5.8 2.1ubuntu2**
  - 1.20.1 Available under license
- 1.21 mawk 1.3.3-17ubuntu2**
  - 1.21.1 Available under license
- 1.22 c-ares 1.14.1**
  - 1.22.1 Available under license
- 1.23 gperftools 2.5**
  - 1.23.1 Available under license
- 1.24 node.js 11.12.0**
  - 1.24.1 Notifications
  - 1.24.2 Available under license
- 1.25 v8 6.0.287.53**
  - 1.25.1 Available under license
- 1.26 git 2.11.0-3+deb9u5**
  - 1.26.1 Available under license
- 1.27 lua 5.4.1**
  - 1.27.1 Available under license
- 1.28 make 4.1 9.1**
  - 1.28.1 Available under license
- 1.29 pkg-config 0.29-4+b1**
  - 1.29.1 Available under license
- 1.30 vim 7.4.1689-3ubuntu1.4**
  - 1.30.1 Available under license
- 1.31 dpkg 1.18.4ubuntu1.2**
  - 1.31.1 Available under license
- 1.32 grep 2.25 1~16.04.1**
  - 1.32.1 Available under license
- 1.33 at 3.1.18 2ubuntu1**

- 1.33.1 Available under license
- 1.34 iconv 2.23**
  - 1.34.1 Available under license
- 1.35 git 2.7.4-0ubuntu1.9**
  - 1.35.1 Available under license
- 1.36 icu 48**
  - 1.36.1 Available under license
- 1.37 grep 2.27 2**
  - 1.37.1 Available under license
- 1.38 sed 4.4 1**
  - 1.38.1 Available under license
- 1.39 net-tools 1.60 26ubuntu1**
  - 1.39.1 Available under license
- 1.40 eject 2.1.5+deb1+cvs20081104 13.1ubuntu0.16.04.1**
  - 1.40.1 Available under license
- 1.41 tar 1.29b 1.1**
  - 1.41.1 Available under license
- 1.42 shared-mime-info 1.5 2ubuntu0.1**
  - 1.42.1 Available under license
- 1.43 gzip 1.6 5+b1**
  - 1.43.1 Available under license
- 1.44 iputils 20121221 5ubuntu2**
  - 1.44.1 Available under license
- 1.45 ltrace 0.7.3 5.1ubuntu4**
  - 1.45.1 Available under license
- 1.46 procps 3.3.12-3+deb9u1**
  - 1.46.1 Available under license
- 1.47 perl 5.22.1-9ubuntu0.6**
  - 1.47.1 Available under license
- 1.48 dash 0.5.8 2.4**
  - 1.48.1 Available under license
- 1.49 procps 3.3.10-4ubuntu2.4**
  - 1.49.1 Available under license
- 1.50 kmod 22 1ubuntu5**
  - 1.50.1 Available under license
- 1.51 lvm2 2.02.173**
  - 1.51.1 Available under license
- 1.52 gawk 4.1.3+dfsg-0.1**
  - 1.52.1 Available under license

### **1.53 libgpg-error 1.2**

1.53.1 Available under license

### **1.54 netcat-openbsd 1.105-7ubuntu1**

1.54.1 Available under license

### **1.55 groff 1.22.3 7**

1.55.1 Available under license

### **1.56 systemd 229-4ubuntu21.27**

1.56.1 Available under license

### **1.57 c-ares 1.10.1 DEV**

1.57.1 Available under license

### **1.58 less 481 2.1**

1.58.1 Available under license

### **1.59 time 1.7-25.1**

1.59.1 Available under license

### **1.60 mgetty 1.1.36-2.1+deb8u1build0.16.04.1**

1.60.1 Available under license

### **1.61 bzip2 1.0.7**

1.61.1 Available under license

### **1.62 shadow 4.6**

1.62.1 Available under license

### **1.63 dpkg 1.18.25**

1.63.1 Available under license

### **1.64 squashfs-tools 4.3 3ubuntu2**

1.64.1 Available under license

### **1.65 pkg-config 0.29.1-0ubuntu1**

1.65.1 Available under license

### **1.66 redis 3.0.6-1ubuntu0.4**

1.66.1 Available under license

### **1.67 m4 1.4.17 5**

1.67.1 Available under license

### **1.68 psmisc 22.21-2.1build1**

1.68.1 Available under license

### **1.69 xz 5.1.1alpha+20120614 2ubuntu2**

1.69.1 Available under license

### **1.70 v8 4.6.85.31**

1.70.1 Available under license

### **1.71 openssh 7.4p1-10+deb9u7**

1.71.1 Available under license

### **1.72 sed 4.2.2 7**

1.72.1 Available under license  
**1.73 apparmor 2.10.95 0ubuntu2.11**  
1.73.1 Available under license  
**1.74 libuv 1.8.0**  
1.74.1 Available under license  
**1.75 libpng 1.6.37**  
1.75.1 Available under license  
**1.76 lsof 4.89+dfsg 0.1**  
**1.77 m4 1.4.18 1**  
1.77.1 Available under license  
**1.78 openssl 1.1.1g**  
1.78.1 Available under license  
**1.79 rsync 3.1.1-3ubuntu1.3**  
1.79.1 Available under license  
**1.80 psmisc 23.2 1**  
1.80.1 Available under license  
**1.81 tinyxml-2 7.0.1**  
1.81.1 Available under license  
**1.82 cpio 2.11+dfsg 5ubuntu1.1**  
1.82.1 Available under license  
**1.83 mlocate 0.26 1ubuntu2**  
1.83.1 Available under license  
**1.84 nano 2.5.3 2ubuntu2**  
1.84.1 Available under license  
**1.85 yara 3.10.0**  
1.85.1 Available under license  
**1.86 make 4.1 6**  
1.86.1 Available under license  
**1.87 strace 4.11-1ubuntu3**  
1.87.1 Available under license  
**1.88 diffutils 3.5-3**  
1.88.1 Available under license  
**1.89 python 2.7.12-1ubuntu0~16.04.11**  
1.89.1 Available under license  
**1.90 lua-cjson 2.1.0**  
1.90.1 Available under license  
**1.91 diffutils 3.3-3**  
1.91.1 Available under license  
**1.92 boost 1.60.0**

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Version 3, 29 June 2007

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
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## 1.2 findutils 4.6.0+git+20161106 2

### 1.2.1 Available under license :

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```
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Less

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## 1.5 sudo 1.8.16-0ubuntu1.9

### 1.5.1 Available under license :

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to [sudo@sudo.ws](mailto:sudo@sudo.ws).

Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie

Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, YOSHIFUJI  
Hieb, Dave

Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
Pele Jorge, Joel  
Juhani, Timo  
KIKUCHI, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin

Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
SATO, Yuichi  
Snchez, Wilfredo  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven  
Spangler, Aaron  
Spradling, Cloyce D.  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles



Toft, Martin  
Torek, Chris  
Tucker, Darren  
Uhl, Robert  
Uzel, Petr  
Valery, Reznic  
Van Dinter, Theo  
Venckus, Martynas  
de Vries, Maarten  
Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario  
Bogusz, Jakub  
Casagrande, Milo  
Castro, Felipe  
Chornoivan, Yuri  
Diguez, Francisco  
Ferreira, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric  
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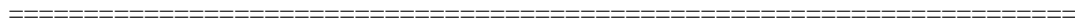
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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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.)

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.

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## 1.8 gzip 1.6 4ubuntu1

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## 1.9 python 3.5.2-2ubuntu0~16.04.10

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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
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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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2.3	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
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2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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2.4.3	2.4.2	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
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2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
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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
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Mersenne Twister

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The ``_random'` module includes code based on a download from ``http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
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<http://www.math.keio.ac.jp/matumoto/emt.html>

email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

## Sockets

-----

The `'socket'` module uses the functions, `'getaddrinfo'`, and `'getnameinfo'`, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/about/index.html>.

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
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-----

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

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

```
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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GNU General Public License for more details.
```

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```

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



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

```
<program> Copyright (C) <year> <name of author>  
This program 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, your program's commands might be different; for a GUI interface, you would use an "about box".

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```
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Ty Coon, President of Vice

That's all there is to it!

## 1.14 xz 5.2.2 1.2+b1

### 1.14.1 Available under license :

XZ Utils Licensing

=====

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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.

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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.

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## 1.16 patch 2.7.5-1+deb9u1

### 1.16.1 Available under license :

This is Debian's prepackaged version of patch, Larry Wall's program that allows you to apply diffs to a file automatically.

The current maintainer for this package is Laszlo Boszormenyi (GCS) <gcs@debian.org>.

Previous maintainers were Bill Mitchell <mitchell@mdd.comm.mot.com>, Darren Stalder <torin@daft.com>, Adrian Bunk <bunk@fs.tum.de>, Michael Fedrowitz <michaelf@debian.org> and Christoph Berg <myon@debian.org>.

The upstream source is available at 'ftp://ftp.gnu.org/gnu/patch/', resp. 'ftp://alpha.gnu.org/gnu/diffutils/'.

Upstream Maintainer: Paul Eggert <eggert@twinsun.com>

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## 1.17 ed 1.15

## 1.18 traceroute 2.0.21-1

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```

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```

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

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### Installation

#### Package managers

##### [npm](https://www.npmjs.com/)

```
```sh
```

```
npm install spdx-license-ids
```

```
```
```

```
##### [bower](http://bower.io/)
```

```
```sh
```

```
bower install spdx-license-ids
```

```
```
```

```
##### [Duo](http://duajs.org/)
```

```
```javascript
```

```
const spdxLicenseIds = require('shinmn/spdx-license-ids');
```

```
```
```

```
#### Standalone
```

[Download the script file directly.](<https://raw.githubusercontent.com/shinmn/spdx-license-ids/master/spdx-license-ids-browser.js>)

```
### API
```

```
#### spdxLicenseIds
```

```
Type: `Array` of `String`
```

It returns an array of SPDX license identifiers.

```
```javascript
```

```
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

```
```
```

```
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```

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell [inexorable@lindenlab.com](mailto:inexorable@lindenlab.com)

// <https://github.com/inexorable/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

// Variations:

// \* Allows `typed_array.get/set()` as alias for subscripts (`typed_array[]`)

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```
```javascript
var parse = require('spdx-expression-parse')
var assert = require('assert')

var firstAST = {
  left: { license: 'LGPL-2.1' },
  conjunction: 'or',
  right: {
    left: { license: 'BSD-3-Clause' },
    conjunction: 'and',
    right: { license: 'MIT' } } }

assert.deepEqual(
  parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
  firstAST)

var secondAST = {
  left: { license: 'MIT' },
  conjunction: 'and',
  right: {
    left: {
      license: 'LGPL-2.1',
```

```

    plus: true },
    conjunction: 'and',
    right: { license: 'BSD-3-Clause' } } }

assert.deepEqual(
  parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
  secondAST)

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
  assert.deepEqual(
    parse(id),
    { license: id })
  require('spdx-exceptions').forEach(function(e) {
    assert.deepEqual(
      parse(id + ' WITH ' + e),
      { license: id, exception: e } ) ) })
  ...
  ---

```

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```

var test = require('tap').test
var init = require('./')
var rimraf = require('rimraf')
var common = require('./lib/common')

test('license', function (t) {
  init(__dirname, "", {}, function (er, data) {
    if (er)
      throw er

    var wanted = {
      name: 'the-name',
      version: '1.0.0',
      description: "",
      scripts: { test: 'echo "Error: no test specified" && exit 1' },
      license: 'Apache-2.0',
      author: "",
      main: 'basic.js'
    }
    console.log("")
    t.has(data, wanted)
    t.end()
  })
})

```

```
common.drive([
  'the-name\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  'Apache\n',
  'Apache-2.0\n',
  'yes\n'
])
})
```

```
test('teardown', function (t) {
  rimraf(__dirname + '/package.json', t.end.bind(t))
})
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```

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```
{
  "_args": [
    [
      "spdx-expression-parse@~1.0.0",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
    ]
  ],
  "_from": "spdx-expression-parse@>=1.0.0 <1.1.0",
  "_id": "spdx-expression-parse@1.0.2",
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```

"_inCache": true,
"_installable": true,
"_location": "/validate-npm-package-license/spdx-expression-parse",
"_nodeVersion": "5.0.0",
"_npmUser": {
  "email": "kyle@kemitchell.com",
  "name": "kemitchell"
},
"_npmVersion": "3.3.6",
"_phantomChildren": {},
"_requested": {
  "name": "spdx-expression-parse",
  "raw": "spdx-expression-parse@~1.0.0",
  "rawSpec": "~1.0.0",
  "scope": null,
  "spec": ">=1.0.0 <1.1.0",
  "type": "range"
},
"_requiredBy": [
  "/validate-npm-package-license"
],
"_resolved": "https://registry.npmjs.org/spdx-expression-parse/-/spdx-expression-parse-1.0.2.tgz",
"_shasum": "d52b14b5e9670771440af225bcb563122ac452f6",
"_shrinkwrap": null,
"_spec": "spdx-expression-parse@~1.0.0",
"_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license",
"author": {
  "email": "kyle@kemitchell.com",
  "name": "Kyle E. Mitchell",
  "url": "http://kemitchell.com"
},
"bugs": {
  "url": "https://github.com/kemitchell/spdx-expression-parse.js/issues"
},
"dependencies": {
  "spdx-exceptions": "^1.0.4",
  "spdx-license-ids": "^1.0.0"
},
"description": "parse SPDX license expressions",
"devDependencies": {
  "defence-cli": "^1.0.1",
  "jison": "^0.4.15",
  "replace-require-self": "^1.0.0",
  "uglify-js": "^2.4.24"
},
"directories": {},
"dist": {
  "shasum": "d52b14b5e9670771440af225bcb563122ac452f6",

```

```

"tarball": "http://registry.npmjs.org/spdx-expression-parse/-/spdx-expression-parse-1.0.2.tgz"
},
"gitHead": "ffe2fa7272ebf640b18286fc561f17a844d4f06b",
"homepage": "https://github.com/kemitchell/spdx-expression-parse.js#readme",
"keywords": [
  "SPDX",
  "law",
  "legal",
  "license",
  "metadata",
  "package",
  "package.json",
  "standards"
],
"license": "(MIT AND CC-BY-3.0)",
"maintainers": [
  {
    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  }
],
"name": "spdx-expression-parse",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/kemitchell/spdx-expression-parse.js.git"
},
"scripts": {
  "prepublish": "node generate-parser.js | uglifyjs > parser.generated.js",
  "pretest": "npm run prepublish",
  "test": "defence -i javascript README.md | replace-require-self | node"
},
"version": "1.0.2"
}

```

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\*/

```
#ifndef UV_BSD_H
#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS \
uv__io_t event_watcher; \

#define UV_IO_PRIVATE_PLATFORM_FIELDS \
int rcount; \
int wcount; \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */
(The MIT License)
```

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
```

```
<title>ICU License - moved to LICENSE</title>
```

```
</head>
```

```
<body BGCOLOR="#ffffff">
```

```
<p>
```

```
The ICU license is now in plain text format, see <a href="/LICENSE">LICENSE</a>.
```

Update links and software appropriately.

</p>

<i>Copyright (c) 1995-2016 International Business Machines Corporation and others</i>

</body>

</html>

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Felix Geisendrfer (felix@debuggable.com)

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    "name": "Kyle E. Mitchell",
    "url": "https://kemitchell.com"
  },
  "bugs": {
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    "name": "othiym23",
    "email": "ogd@aoaioxxysz.net"
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"version": "1.0.2"

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{
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  "version": "3.0.1",
  "author": {
    "name": "Kyle E. Mitchell",
    "email": "kyle@kemitchell.com",
    "url": "https://kemitchell.com"
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      "email": "kyle@kemitchell.com"
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      "email": "ogd@aoaiioxxysz.net"
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}

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      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
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  "_npmUser": {
    "email": "kyle@kemitchell.com",
    "name": "kemitchell"
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  "_phantomChildren": {},
  "_requested": {
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  "author": {
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  },
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  },
  "contributors": [
    {
      "name": "Kyle E. Mitchell",

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    "email": "kyle@kemitchell.com",
    "url": "https://kemitchell.com/"
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],
"dependencies": {},
"description": "list of SPDX standard license exceptions",
"devDependencies": {},
"directories": {},
"dist": {
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    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  }
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"readme": "ERROR: No README data found!",
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},
"scripts": {},
"version": "1.0.4"
}

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"WXwindows"  
]

```
````javascript
var correct = require('spdx-correct');
var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
````
Copyright (c) 2015 TJ Holowaychuk <tj@vision-media.ca>
```

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```
var spdparse=function(){var o=function(k,v,o,l){for(o=o||{};l=k.length;l--;o[k[l]]=v);return o},$V0=[1,5],$V1=[1,6],$V2=[1,7],$V3=[1,4],$V4=[1,9],$V5=[1,10],$V6=[5,14,15,17],$V7=[5,12,14,15,17];var parser={trace:function trace(){},yy:{},symbols_: {error:2,start:3,expression:4,EOS:5,simpleExpression:6,LICENSE:7,PLUS:8,LICENSEREF:9,DOCUMENTREF:10,COLON:11,WITH:12,EXCEPTION:13,AND:14,OR:15,OPEN:16,CLOSE:17,$accept:0,$end:1},terminals_: {2:"error",5:"EOS",7:"LICENSE",8:"PLUS",9:"LICENSEREF",10:"DOCUMENTREF",11:"COLON",12:"WITH",13:"EXCEPTION",14:"AND",15:"OR",16:"OPEN",17:"CLOSE"},productions_: [0,[3,2],[6,1],[6,2],[6,1],[6,3],[4,1],[4,3],[4,3],[4,3],[4,3]],performAction:function anonymous(yytext,yyleng,yylineno,yy,yystate,$$,$_){var $0=$$.length-1;switch(yystate){case 1:return this.$=$$[$0-1];break;case 2:case 4:case 5:this.$={license:yytext};break;case 3:this.$={license:$[$0-1],plus:true};break;case 6:this.$=$$[$0];break;case 7:this.$={exception:$[$0]};this$.license=$$[$0-2].license;if($$[$0-2].hasOwnProperty("plus")){this$.plus=$$[$0-2].plus}break;case 8:this.$={conjunction:"and",left:$[$0-2],right:$[$0]};break;case 9:this.$={conjunction:"or",left:$[$0-2],right:$[$0]};break;case 10:this.$=$$[$0-1];break}},table:[{3:1,4:2,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{1:[3]},{5:[1,8],14:$V4,15:$V5},o($V6,[2,6]},{12:[1,11]},{4:12,6:3,7:$V0,9:$V1,10:$V2,16:$V3},o($V7,[2,2]},{8:[1,13]},{11:[1,14]},{1:[2,1]},{4:15,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{4:16,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{13:[1,17]},{14:$V4,15:$V5,17:[1,18]},o($V7,[2,3]},{9:[1,19]},o($V6,[2,8]),o([5,15,17],[2,9]},{14:$V4},o($V6,[2,7]),o($V6,[2,10]),o($V7,[2,5])],defaultActions:{8:[2,1]},parseError:function parseError(str,hash){if(hash.recoverable){this.trace(str)}else{throw new Error(str)}},parse:function parse(input){var self=this,stack=[0],tstack=[],vstack=[null],lstack=[],table=this.table,yytext="",yylineno=0,yyleng=0,recovering=0,TERMINAL_ERROR=2,EOF=1;var args=lstack.slice.call(arguments,1);var lexer=Object.create(this.lexer);var sharedState={yy:{}};for(var k in this.yy){if(Object.prototype.hasOwnProperty.call(this.yy,k)){sharedState.yy[k]=this.yy[k]}}lexer.setInput(input,sharedState.yy);sharedState.yy.lexer=lexer;sharedState.yy.parser=this;if(typeof lexer.yylloc=="undefined"){lexer.yylloc={}}var yyloc=lexer.yylloc;lstack.push(yyloc);var ranges=lexer.options&&lexer.options.ranges;if(typeof sharedState.yy.parseError=="function"){this.parseError=sharedState.yy.parseError}else{this.parseError=Object.getPrototypeOf(this).parseError}function popStack(n){stack.length=stack.length-2*n;vstack.length=vstack.length-n;lstack.length=lstack.length-n}_token_stack:function lex(){var token;token=lexer.lex()||EOF;if(typeof token!="number"){token=self.symbols_[token]||token}return token}var
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symbol,preErrorSymbol,state,action,a,r,yyval={ },p,len,newState,expected;while(true){ state=stack[stack.length-1];if(this.defaultActions[state]){ action=this.defaultActions[state]}else{ if(symbol===null||typeof symbol=="undefined"){ symbol=lex()} action=table[state]&&table[state][symbol]}if(typeof action==="undefined"||!action.length||!action[0]){ var errStr="";expected=[];for(p in table[state]){ if(this.terminals_[p]&&p>TERROR){ expected.push(""+this.terminals_[p]+"")} }if(lexer.showPosition){ errStr="Parse error on line "+(yylineno+1)+"\n"+lexer.showPosition()+"\nExpecting "+expected.join(",")+", got "+(this.terminals_[symbol]||symbol)+""}else{ errStr="Parse error on line "+(yylineno+1)+"\nUnexpected "+(symbol===EOF?"end of input":"")+this.parseError(errStr,{ text:lexer.match,token:this.terminals_[symbol]||symbol,line:lexer.yylineno,loc:yyloc,expected:expected})}if(action[0]instanceof Array&&action.length>1){ throw new Error("Parse Error: multiple actions possible at state: "+state+", token: "+symbol)}switch(action[0]){ case 1:stack.push(symbol);vstack.push(lexer.yytext);lstack.push(lexer.yylloc);stack.push(action[1]);symbol=null;if(!preErrorSymbol){ yytext=lexer.yytext;yylineno=lexer.yylineno;yyloc=lexer.yylloc;if(recovering>0){ recovering-- }else{ symbol=preErrorSymbol;preErrorSymbol=null}break;case 2:len=this.productions_[action[1]][1];yyval.$=vstack[vstack.length-len];yyval._$={ first_line:lstack[lstack.length-(len||1)].first_line,last_line:lstack[lstack.length-1].last_line,first_column:lstack[lstack.length-(len||1)].first_column,last_column:lstack[lstack.length-1].last_column};if(ranges){ yyval._$.range=[lstack[lstack.length-(len||1)].range[0],lstack[lstack.length-1].range[1]}r=this.performAction.apply(yyval,[yytext,yytext.length,yylineno,sharedState.yy,action[1],vstack,lstack].concat(args));if(typeof r!="undefined"){ return r}if(len){ stack=stack.slice(0,-1*len*2);vstack=vstack.slice(0,-1*len);lstack=lstack.slice(0,-1*len)}stack.push(this.productions_[action[1]][0]);vstack.push(yyval.$);lstack.push(yyval._$);newState=table[stack[stack.length-2]][stack[stack.length-1]];stack.push(newState);break;case 3:return true}}return true}}var lexer=function(){ var lexer={ EOF:1,parseError:function parseError(str,hash){ if(this.yy.parser){ this.yy.parser.parseError(str,hash)}else{ throw new Error(str)}},setInput:function(input,yy){ this.yy=yy||this.yy||{};this._input=input;this._more=this._backtrack=this.done=false;this.yylineno=this.yyleng=0;this.yytext=this.matched=this.match="";this.conditionStack=["INITIAL"];this.yylloc={ first_line:1,first_column:0,last_line:1,last_column:0};if(this.options.ranges){ this.yylloc.range=[0,0]}this.offset=0;return this},input:function(){ var ch=this._input[0];this.yytext+=ch;this.yyleng++;this.offset++;this.match+=ch;this.matched+=ch;var lines=ch.match(/(?:\r\n?|\n).*/g);if(lines){ this.yylineno++;this.yylloc.last_line++}else{ this.yylloc.last_column++}if(this.options.ranges){ this.yylloc.range[1]++}this._input=this._input.slice(1);return ch},unput:function(ch){ var len=ch.length;var lines=ch.split(/(?:\r\n?|\n)/g);this._input=ch+this._input;this.yytext=this.yytext.substr(0,this.yytext.length-len);this.offset-=len;var oldLines=this.match.split(/(?:\r\n?|\n)/g);this.match=this.match.substr(0,this.match.length-1);this.matched=this.matched.substr(0,this.matched.length-1);if(lines.length-1){ this.yylineno-=lines.length-1}var r=this.yylloc.range;this.yylloc={ first_line:this.yylloc.first_line,last_line:this.yylineno+1,first_column:this.yylloc.first_column,last_column:lines?(lines.length===oldLines.length?this.yylloc.first_column+oldLines[oldLines.length-lines.length].length-lines[0].length:this.yylloc.first_column-len)};if(this.options.ranges){ this.yylloc.range=[r[0],r[0]+this.yyleng-len]}this.yyleng=this.yytext.length;return this},more:function(){ this._more=true;return this},reject:function(){ if(this.options.backtrack_lexer){ this._backtrack=true}else{ return this.parseError("Lexical error on line "+(this.yylineno+1)+"\n. You can only invoke reject() in the lexer when the lexer is of the backtracking persuasion (options.backtrack_lexer = true).\n"+this.showPosition(),{ text:"",token:null,line:this.yylineno})}return this},less:function(n){ this.unput(this.match.slice(n))},pastInput:function(){ var past=this.matched.substr(0,this.matched.length-this.match.length);return(past.length>20?"...":"")+past.substr(-20).replace(/\n/g,"")},upcomingInput:function(){ var

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next=this.match;if(next.length<20){next+=this._input.substr(0,20-
next.length)}return(next.substr(0,20)+(next.length>20?"...":"").replace(/\n/g,"")),showPosition:function(){var
pre=this.pastInput();var c=new Array(pre.length+1).join("-");return
pre+this.upcomingInput()+"\n"+c+"^"},test_match:function(match,indexed_rule){var
token,lines,backup;if(this.options.backtrack_lexer){backup={yylineno:this.yylineno,yylloc:{first_line:this.yylloc.fir
st_line,last_line:this.last_line,first_column:this.yylloc.first_column,last_column:this.yylloc.last_column},yytext:this
.yytext,match:this.match,matches:this.matches,matched:this.matched,yyleng:this.yyleng,offset:this.offset,_more:this
._more,_input:this._input,yy:this.yy,conditionStack:this.conditionStack.slice(0),done:this.done};if(this.options.range
s){backup.yylloc.range=this.yylloc.range.slice(0)}lines=match[0].match(/(?:\r\n?\n).*/g);if(lines){this.yylineno+=l
ines.length}this.yylloc={first_line:this.yylloc.last_line,last_line:this.yylineno+1,first_column:this.yylloc.last_colum
n,last_column:lines?lines[lines.length-1].length-lines[lines.length-
1].match(/^\r?\n?/)[0].length:this.yylloc.last_column+match[0].length};this.yytext+=match[0];this.match+=match[0];
this.matches=match;this.yyleng=this.yytext.length;if(this.options.ranges){this.yylloc.range=[this.offset,this.offset+=
this.yyleng]}this._more=false;this._backtrack=false;this._input=this._input.slice(match[0].length);this.matched+=m
atch[0];token=this.performAction.call(this,this.yy,this,indexed_rule,this.conditionStack[this.conditionStack.length-
1]);if(this.done&&this._input){this.done=false}if(token){return token}else if(this._backtrack){for(var k in
backup){this[k]=backup[k]}return false}return false},next:function(){if(this.done){return
this.EOF}if(!this._input){this.done=true}var
token,match,tempMatch,index;if(!this._more){this.yytext="";this.match=""}var rules=this._currentRules();for(var
i=0;i<rules.length;i++){tempMatch=this._input.match(this.rules[rules[i]]);if(tempMatch&&(!match||tempMatch[0].l
ength>match[0].length)){match=tempMatch;index=i;if(this.options.backtrack_lexer){token=this.test_match(tempM
atch,rules[i]);if(token!==false){return token}else if(this._backtrack){match=false;continue}else{return false}}else
if(!this.options.flex){break}}if(match){token=this.test_match(match,rules[index]);if(token!==false){return
token}return false}if(this._input====""){return this.EOF}else{return this.parseError("Lexical error on line
"+(this.yylineno+1)+" . Unrecognized
text.\n"+this.showPosition(),{text:"",token:null,line:this.yylineno})}},lex:function lex(){var
r=this.next();if(r){return r}else{return this.lex()}},begin:function
begin(condition){this.conditionStack.push(condition)},popState:function popState(){var
n=this.conditionStack.length-1;if(n>0){return this.conditionStack.pop()}else{return
this.conditionStack[0]}},_currentRules:function
_currentRules(){if(this.conditionStack.length&&this.conditionStack[this.conditionStack.length-1]){return
this.conditions[this.conditionStack[this.conditionStack.length-1]].rules}else{return
this.conditions["INITIAL"].rules}},topState:function topState(n){n=this.conditionStack.length-1-
Math.abs(n||0);if(n>=0){return this.conditionStack[n]}else{return"INITIAL"}},pushState:function
pushState(condition){this.begin(condition)},stateStackSize:function stateStackSize(){return
this.conditionStack.length},options:{},performAction:function
anonymous(yy,yy_,$avoiding_name_collisions,YY_START){var
YYSTATE=YY_START;switch($avoiding_name_collisions){case 0:return 5;break;case 1:break;case 2:return
8;break;case 3:return 16;break;case 4:return 17;break;case 5:return 11;break;case 6:return 10;break;case 7:return
9;break;case 8:return 14;break;case 9:return 15;break;case 10:return 12;break;case 11:return 7;break;case 12:return
7;break;case 13:return 7;break;case 14:return 13;break;case 15:return 13;break;case 16:return 13;break;case
17:return 13;break;case 18:return 13;break;case 19:return 13;break;case 20:return 13;break;case 21:return
13;break;case 22:return 7;break;case 23:return 7;break;case 24:return 13;break;case 25:return 13;break;case
26:return 13;break;case 27:return 7;break;case 28:return 13;break;case 29:return 13;break;case 30:return
13;break;case 31:return 7;break;case 32:return 7;break;case 33:return 13;break;case 34:return 13;break;case
35:return 13;break;case 36:return 7;break;case 37:return 13;break;case 38:return 7;break;case 39:return 7;break;case
40:return 7;break;case 41:return 7;break;case 42:return 7;break;case 43:return 7;break;case 44:return 7;break;case
45:return 7;break;case 46:return 7;break;case 47:return 7;break;case 48:return 7;break;case 49:return 7;break;case

```



271:return 7;break;case 272:return 7;break;case 273:return 7;break;case 274:return 7;break;case 275:return 7;break;case 276:return 7;break;case 277:return 7;break;case 278:return 7;break;case 279:return 7;break;case 280:return 7;break;case 281:return 7;break;case 282:return 7;break;case 283:return 7;break;case 284:return 7;break;case 285:return 7;break;case 286:return 7;break;case 287:return 7;break;case 288:return 7;break;case 289:return 7;break;case 290:return 7;break;case 291:return 7;break;case 292:return 7;break;case 293:return 7;break;case 294:return 7;break;case 295:return 7;break;case 296:return 7;break;case 297:return 7;break;case 298:return 7;break;case 299:return 7;break;case 300:return 7;break;case 301:return 7;break;case 302:return 7;break;case 303:return 7;break;case 304:return 7;break;case 305:return 7;break;case 306:return 7;break;case 307:return 7;break;case 308:return 7;break;case 309:return 7;break;case 310:return 7;break;case 311:return 7;break;case 312:return 7;break;case 313:return 7;break;case 314:return 7;break;case 315:return 7;break;case 316:return 7;break;case 317:return 7;break;case 318:return 7;break;case 319:return 7;break;case 320:return 7;break;case 321:return 7;break;case 322:return 7;break;case 323:return 7;break;case 324:return 7;break;case 325:return 7;break;case 326:return 7;break;case 327:return 7;break;case 328:return 7;break;case 329:return 7;break;case 330:return 7;break;case 331:return 7;break;case 332:return 7;break;case 333:return 7;break;case 334:return 7;break;case 335:return 7;break;case 336:return 7;break;case 337:return 7;break;case 338:return 7;break; }},rules:[/^(?:\$)/,^(?:\s+)/,^(?:\+),^(?:\()/,^(?:\:)/,^(?:DocumentRef-([0-9A-Za-z-+.]+))/,^(?:LicenseRef-([0-9A-Za-z-+.]+))/,^(?:AND)/,^(?:OR)/,^(?:WITH)/,^(?:MPL-2.0-no-copyleft-exception)/,^(?:CNRI-Python-GPL-Compatible)/,^(?:BSD-3-Clause-Attribution)/,^(?:WxWindows-exception-3\1)/,^(?:Classpath-exception-2\0)/,^(?:gnu-javamail-exception)/,^(?:freertos-exception-2\0)/,^(?:i2p-gpl-java-exception)/,^(?:Autoconf-exception-2\0)/,^(?:Nokia-Qt-exception-1\1)/,^(?:Autoconf-exception-3\0)/,^(?:zlib-acknowledgement)/,^(?:BSD-2-Clause-FreeBSD)/,^(?:u-boot-exception-2\0)/,^(?:Bison-exception-2\2)/,^(?:CLISP-exception-2\0)/,^(?:BSD-2-Clause-NetBSD)/,^(?:FLTK-exception-2\0)/,^(?:eCos-exception-2\0)/,^(?:Font-exception-2\0)/,^(?:BSD-3-Clause-Clear)/,^(?:BSD-3-Clause-LBNL)/,^(?:GCC-exception-3\1)/,^(?:Qwt-exception-1\0)/,^(?:GCC-exception-2\0)/,^(?:Artistic-1\0-Perl)/,^(?:Libtool-exception)/,^(?:Artistic-1\0-cl8)/,^(?:CC-BY-NC-SA-4\0)/,^(?:CC-BY-NC-SA-1\0)/,^(?:CC-BY-NC-ND-4\0)/,^(?:CC-BY-NC-SA-3\0)/,^(?:CC-BY-NC-ND-3\0)/,^(?:CC-BY-NC-SA-2\5)/,^(?:CC-BY-NC-ND-2\0)/,^(?:CC-BY-NC-ND-1\0)/,^(?:CC-BY-NC-SA-2\0)/,^(?:MIT-advertising)/,^(?:BSD-4-Clause-UC)/,^(?:CC-BY-NC-ND-2\5)/,^(?:FLTK-exception)/,^(?:SugarCRM-1\1\3)/,^(?:CrystalStacker)/,^(?:BSD-Protection)/,^(?:LZMA-exception)/,^(?:BitTorrent-1\1)/,^(?:BitTorrent-1\0)/,^(?:Frameworkx-1\0)/,^(?:mif-exception)/,^(?:Interbase-1\0)/,^(?:389-exception)/,^(?:HaskellReport)/,^(?:CC-BY-NC-3\0)/,^(?:CC-BY-ND-4\0)/,^(?:CC-BY-NC-1\0)/,^(?:CC-BY-NC-2\0)/,^(?:CC-BY-NC-2\5)/,^(?:CC-BY-SA-4\0)/,^(?:CC-BY-NC-4\0)/,^(?:W3C-19980720)/,^(?:BSD-4-Clause)/,^(?:Artistic-1\0)/,^(?:BSD-3-Clause)/,^(?:CC-BY-ND-1\0)/,^(?:BSD-2-Clause)/,^(?:CC-BY-ND-2\0)/,^(?:CC-BY-ND-2\5)/,^(?:CC-BY-ND-3\0)/,^(?:Artistic-2\0)/,^(?:CC-BY-SA-1\0)/,^(?:CC-BY-SA-2\0)/,^(?:CC-BY-SA-2\5)/,^(?:CC-BY-SA-3\0)/,^(?:XFree86-1\1)/,^(?:OLDAP-2\0\1)/,^(?:bzip2-1\0\6)/,^(?:OLDAP-2\2\1)/,^(?:ImageMagick)/,^(?:Unicode-TOU)/,^(?:Adobe-Glyph)/,^(?:CUA-OPL-1\0)/,^(?:CNRI-Jython)/,^(?:CNRI-Python)/,^(?:bzip2-1\0\5)/,^(?:OLDAP-2\2\2)/,^(?:PostgreSQL)/,^(?:Apache-1\1)/,^(?:CECILL-1\0)/,^(?:Apache-2\0)/,^(?:Zimbra-1\4)/,^(?:CECILL-1\1)/,^(?:Zimbra-1\3)/,^(?:Adobe-2006)/,^(?:JasPer-2\0)/,^(?:CECILL-2\0)/,^(?:TORQUE-1\1)/,^(?:CECILL-2\1)/,^(?:Watcom-1\0)/,^(?:Intel-ACPI)/,^(?:ClArtistic)/,^(?:Spencer-99)/,^(?:Condor-1\1)/,^(?:Spencer-94)/,^(?:gSOAP-1\3b)/,^(?:EUDatagrid)/,^(?:Spencer-86)/,^(?:Python-2\0)/,^(?:RHeCos-1\1)/,^(?:CATOSL-1\1)/,^(?:Apache-1\0)/,^(?:FreeImage)/,^(?:SGI-B-1\1)/,^(?:SGI-B-1\0)/,^(?:SimPL-2\0)/,^(?:Sleepycat)/,^(?:Crossword)/,^(?:EriPL-1\1)/,^(?:CPOL-1\02)/,^(?:OLDAP-2\8)/,^(?:OLDAP-2\7)/,^(?:OLDAP-2\6)/,^(?:CC-BY-1\0)/,^(?:OLDAP-2\5)/,^(?:OLDAP-2\4)/,^(?:OLDAP-2\3)/,^(?:SISSL-1\2)/,^(?:Unlicense)/,^(?:SGI-B-2\0)/,^(?:OLDAP-2\2)/,^(?:OLDAP-2\1)/,^(?:CC-BY-2\5)/,^(?:D-FSL-1\0)/,^(?:LPPL-1\3a)/,^(?:LPPL-1\3c)/,^(?:OLDAP-2\0)/,^(?:CC-BY-3\0)/,^(?:Leptonica)/,^(?:OLDAP-1\4)/,^(?:OLDAP-1\3)/,^(?:OLDAP-1\2)/,^(?:OLDAP-1\1)/,^(?:MakeIndex)/,^(?:CC-BY-4\0)/,^(?:NPOSL-3\0)/,^(?:CC-BY-2\0)/,^(?:PHP-3\01)/,^(?:ANTLR-PD)/,^(?:APSL-1\0)/,^(?:MIT-enna)/,^(?:IBM-pibs)/,^(?:APSL-1\1)/,^(?:APSL-

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```
var parse = require('spdx-expression-parse');
```

```
var correct = require('spdx-correct');
```

```
var genericWarning = (  
  'license should be ' +  
  'a valid SPDX license expression (without "LicenseRef"), ' +  
  "'UNLICENSED', or ' +  
  "'SEE LICENSE IN <filename>'"  
);
```

```
var fileReferenceRE = /^SEE LICEN[CS]E IN (.+)\$/;
```

```
function startsWith(prefix, string) {  
  return string.slice(0, prefix.length) === prefix;  
}
```

```
function usesLicenseRef(ast) {  
  if (ast.hasOwnProperty('license')) {  
    var license = ast.license;  
    return (  
      startsWith('LicenseRef', license) ||  
      startsWith('DocumentRef', license)  
    );  
  } else {  
    return (  

```

```

    usesLicenseRef(ast.left) ||
    usesLicenseRef(ast.right)
  );
}
}

module.exports = function(argument) {
  var ast;

  try {
    ast = parse(argument);
  } catch (e) {
    var match
    if (
      argument === 'UNLICENSED' ||
      argument === 'UNLICENCED'
    ) {
      return {
        validForOldPackages: true,
        validForNewPackages: true,
        unlicensed: true
      };
    } else if (match = fileReferenceRE.exec(argument)) {
      return {
        validForOldPackages: true,
        validForNewPackages: true,
        inFile: match[1]
      };
    } else {
      var result = {
        validForOldPackages: false,
        validForNewPackages: false,
        warnings: [genericWarning]
      };
      var corrected = correct(argument);
      if (corrected) {
        result.warnings.push(
          'license is similar to the valid expression "' + corrected + '"'
        );
      }
      return result;
    }
  }

  if (usesLicenseRef(ast)) {
    return {
      validForNewPackages: false,
      validForOldPackages: false,

```

```
    spdx: true,
    warnings: [genericWarning]
  };
} else {
  return {
    validForNewPackages: true,
    validForOldPackages: true,
    spdx: true
  };
}
};
```

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```
var parser = require('./parser.generated.js').parser
```

```
module.exports = function(argument) {  
  return parser.parse(argument) }  
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```

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```
{
  "_args": [
    [
      "spdx-license-ids@^1.0.2",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
    ]
  ],
  "_from": "spdx-license-ids@>=1.0.2 <2.0.0",
  "_id": "spdx-license-ids@1.2.0",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-correct/spdx-license-ids",
  "_nodeVersion": "5.4.0",
  "_npmUser": {
    "email": "snnskwtnb@gmail.com",
    "name": "shinnn"
  },
  "_npmVersion": "3.5.2",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-license-ids",
    "raw": "spdx-license-ids@^1.0.2",
    "rawSpec": "^1.0.2",
```

```

"scope": null,
"spec": ">=1.0.2 <2.0.0",
"type": "range"
},
"_requiredBy": [
  "/validate-npm-package-license/spdx-correct"
],
"_resolved": "https://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz",
"_shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
"_shrinkwrap": null,
"_spec": "spdx-license-ids@^1.0.2",
"_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct",
"author": {
  "name": "Shinnosuke Watanabe",
  "url": "https://github.com/shinnn"
},
"bugs": {
  "url": "https://github.com/shinnn/spdx-license-ids/issues"
},
"dependencies": {},
"description": "A list of SPDX license identifiers",
"devDependencies": {
  "@shinnc/eslintc": "^1.0.0",
  "each-async": "^1.1.1",
  "eslint": "^0.24.0",
  "got": "^3.3.0",
  "istanbul": "^0.3.17",
  "require-bower-files": "^2.0.0",
  "rimraf": "^2.4.1",
  "stringify-object": "^2.2.0",
  "tape": "^4.0.0"
},
"directories": {},
"dist": {
  "shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
  "tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},
"files": [
  "spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinnc/spdx-license-ids#readme",
"keywords": [
  "array",
  "browser",
  "client-side",
  "id",
  "identifier",

```

```

    "identifiers",
    "json",
    "license",
    "licenses",
    "oss",
    "spdx"
  ],
  "license": "Unlicense",
  "main": "spdx-license-ids.json",
  "maintainers": [
    {
      "name": "shinnn",
      "email": "snnskwtbn@gmail.com"
    }
  ],
  "name": "spdx-license-ids",
  "optionalDependencies": {},
  "readme": "ERROR: No README data found!",
  "repository": {
    "type": "git",
    "url": "git+https://github.com/shinnn/spdx-license-ids.git"
  },
  "scripts": {
    "build": "node --harmony_arrow_functions build.js",
    "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
    "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
    "lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",
    "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
    "test": "node --harmony_arrow_functions test.js"
  },
  "version": "1.2.0"
}

```

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation

=====  
Copyright (C) 2012 by Jun Woong.

This package is a JavaScript porting of `wcwidth()` implementation [by Markus Kuhn](<http://www.cl.cam.ac.uk/~mgk25/ucs/wcwidth.c>).

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```
{
  "_args": [
    [
      "spdx-license-ids@^1.0.0",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
    ],
    [
      "spdx-license-ids@^1.0.2",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
    ]
  ],
  "_from": "spdx-license-ids@>=1.0.0 <2.0.0",
  "_id": "spdx-license-ids@1.2.0",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-expression-parse/spdx-license-ids",
  "_nodeVersion": "5.4.0",
  "_npmUser": {
    "email": "snnskwtnb@gmail.com",
    "name": "shinnn"
  },
  "_npmVersion": "3.5.2",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-license-ids",
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    "scope": null,
    "spec": ">=1.0.0 <2.0.0",
    "type": "range"
  },
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    "/validate-npm-package-license/spdx-expression-parse"
  ],
  "_shrinkwrap": null,
  "_spec": "spdx-license-ids@^1.0.0",
  "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse",
  "author": {
    "name": "Shinnosuke Watanabe",
    "url": "https://github.com/shinnn"
  },
}
```

```

"bugs": {
  "url": "https://github.com/shinnn/spdx-license-ids/issues"
},
"dependencies": {},
"description": "A list of SPDX license identifiers",
"devDependencies": {
  "@shinnn/eslintrc": "^1.0.0",
  "each-async": "^1.1.1",
  "eslint": "^0.24.0",
  "got": "^3.3.0",
  "istanbul": "^0.3.17",
  "require-bower-files": "^2.0.0",
  "rimraf": "^2.4.1",
  "stringify-object": "^2.2.0",
  "tape": "^4.0.0"
},
"directories": {},
"dist": {
  "shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
  "tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},
"files": [
  "spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinnn/spdx-license-ids#readme",
"keywords": [
  "array",
  "browser",
  "client-side",
  "id",
  "identifier",
  "identifiers",
  "json",
  "license",
  "licenses",
  "oss",
  "spdx"
],
"license": "Unlicense",
"main": "spdx-license-ids.json",
"maintainers": [
  {
    "name": "shinnn",
    "email": "snnskwtnb@gmail.com"
  }
],
"name": "spdx-license-ids",

```

```

"optionalDependencies": { },
"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/shinmn/spdx-license-ids.git"
},
"scripts": {
  "build": "node --harmony_arrow_functions build.js",
  "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
  "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
  "lint": "eslint --config node_modules/@shinmn/eslintrc/rc.json --ignore-path .gitignore .",
  "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
  "test": "node --harmony_arrow_functions test.js"
},
"version": "1.2.0"
}

```

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```

SOFTWARE.**
var licenseIDs = require('spdx-license-ids');

function valid(string) {
  return licenseIDs.indexOf(string) > -1;
}

// Common transpositions of license identifier acronyms
var transpositions = [
  ['APGL', 'AGPL'],
  ['Gpl', 'GPL'],
  ['GLP', 'GPL'],
  ['APL', 'Apache'],
  ['ISD', 'ISC'],
  ['GLP', 'GPL'],
  ['IST', 'ISC'],
  ['Claude', 'Clause'],
  [' or later', '+'],
  [' International', ''],
  ['GNU', 'GPL'],
  ['GUN', 'GPL'],
  ['+', ''],
  ['GNU GPL', 'GPL'],
  ['GNU/GPL', 'GPL'],
  ['GNU GLP', 'GPL'],
  ['GNU General Public License', 'GPL'],
  ['Gnu public license', 'GPL'],
  ['GNU Public License', 'GPL'],
  ['GNU GENERAL PUBLIC LICENSE', 'GPL'],
  ['MTI', 'MIT'],
  ['Mozilla Public License', 'MPL'],
  ['WTH', 'WTF'],
  ['-License', '']
];

var TRANSPOSED = 0;
var CORRECT = 1;

// Simple corrections to nearly valid identifiers.
var transforms = [
  // e.g. 'mit'
  function(argument) {
    return argument.toUpperCase();
  },
  // e.g. 'MIT '
  function(argument) {
    return argument.trim();
  },
];

```

```

// e.g. 'M.I.T.'
function(argument) {
  return argument.replace(/\./g, "");
},
// e.g. 'Apache- 2.0'
function(argument) {
  return argument.replace(/\s+/g, "");
},
// e.g. 'CC BY 4.0'
function(argument) {
  return argument.replace(/\s+/g, '-');
},
// e.g. 'LGPLv2.1'
function(argument) {
  return argument.replace('v', '-');
},
// e.g. 'Apache 2.0'
function(argument) {
  return argument.replace(/,\?\s*(\d)/, '-$1');
},
// e.g. 'GPL 2'
function(argument) {
  return argument.replace(/,\?\s*(\d)/, '-$1.0');
},
// e.g. 'Apache Version 2.0'
function(argument) {
  return argument.replace(/,\?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2');
},
// e.g. 'Apache Version 2'
function(argument) {
  return argument.replace(/,\?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2.0');
},
// e.g. 'ZLIB'
function(argument) {
  return argument[0].toUpperCase() + argument.slice(1);
},
// e.g. 'MPL/2.0'
function(argument) {
  return argument.replace('/', '-');
},
// e.g. 'Apache 2'
function(argument) {
  return argument
    .replace(/\s*\V\s*(\d)/, '-$1')
    .replace(/(\d)$/, '$1.0');
},
// e.g. 'GPL-2.0-'
function(argument) {

```

```

    return argument.slice(0, argument.length - 1);
  },
  // e.g. 'GPL2'
  function(argument) {
    return argument.replace(/(\d)$/, '-$1.0');
  },
  // e.g. 'BSD 3'
  function(argument) {
    return argument.replace(/(-)?(\d)$/, '-$2-Clause');
  },
  // e.g. 'BSD clause 3'
  function(argument) {
    return argument.replace(/(-) clause(-) (\d)/, '-$3-Clause');
  },
  // e.g. 'BY-NC-4.0'
  function(argument) {
    return 'CC-' + argument;
  },
  // e.g. 'BY-NC'
  function(argument) {
    return 'CC-' + argument + '-4.0';
  },
  // e.g. 'Attribution-NonCommercial'
  function(argument) {
    return argument
      .replace('Attribution', 'BY')
      .replace('NonCommercial', 'NC')
      .replace('NoDerivatives', 'ND')
      .replace(/ (\d)/, '-$1')
      .replace(/ ?International/, "");
  },
  // e.g. 'Attribution-NonCommercial'
  function(argument) {
    return 'CC-' +
      argument
      .replace('Attribution', 'BY')
      .replace('NonCommercial', 'NC')
      .replace('NoDerivatives', 'ND')
      .replace(/ (\d)/, '-$1')
      .replace(/ ?International/, "") +
      '-4.0';
  }
];

// If all else fails, guess that strings containing certain substrings
// meant to identify certain licenses.
var lastResorts = [
  ['UNLI', 'Unlicense'],

```

```

['WTF', 'WTFPL'],
['2 CLAUSE', 'BSD-2-Clause'],
['2-CLAUSE', 'BSD-2-Clause'],
['3 CLAUSE', 'BSD-3-Clause'],
['3-CLAUSE', 'BSD-3-Clause'],
['AFFERO', 'AGPL-3.0'],
['AGPL', 'AGPL-3.0'],
['APACHE', 'Apache-2.0'],
['ARTISTIC', 'Artistic-2.0'],
['Affero', 'AGPL-3.0'],
['BEER', 'Beerware'],
['BOOST', 'BSL-1.0'],
['BSD', 'BSD-2-Clause'],
['ECLIPSE', 'EPL-1.0'],
['FUCK', 'WTFPL'],
['GNU', 'GPL-3.0'],
['LGPL', 'LGPL-3.0'],
['GPL', 'GPL-3.0'],
['MIT', 'MIT'],
['MPL', 'MPL-2.0'],
['X11', 'X11'],
['ZLIB', 'Zlib']
];

var SUBSTRING = 0;
var IDENTIFIER = 1;

var validTransformation = function(identifier) {
  for (var i = 0; i < transforms.length; i++) {
    var transformed = transforms[i](identifier);
    if (transformed !== identifier && valid(transformed)) {
      return transformed;
    }
  }
  return null;
};

var validLastResort = function(identifier) {
  var upperCased = identifier.toUpperCase();
  for (var i = 0; i < lastResorts.length; i++) {
    var lastResort = lastResorts[i];
    if (upperCased.indexOf(lastResort[SUBSTRING]) > -1) {
      return lastResort[IDENTIFIER];
    }
  }
  return null;
};

```

```

var anyCorrection = function(identifier, check) {
  for (var i = 0; i < transpositions.length; i++) {
    var transposition = transpositions[i];
    var transposed = transposition[TRANSPOSED];
    if (identifier.indexOf(transposed) > -1) {
      var corrected = identifier.replace(
        transposed,
        transposition[CORRECT]
      );
      var checked = check(corrected);
      if (checked !== null) {
        return checked;
      }
    }
  }
  return null;
};

module.exports = function(identifier) {
  identifier = identifier.replace(/^+$/, "");
  if (valid(identifier)) {
    return identifier;
  }
  var transformed = validTransformation(identifier);
  if (transformed !== null) {
    return transformed;
  }
  transformed = anyCorrection(identifier, function(argument) {
    if (valid(argument)) {
      return argument;
    }
    return validTransformation(argument);
  });
  if (transformed !== null) {
    return transformed;
  }
  transformed = validLastResort(identifier);
  if (transformed !== null) {
    return transformed;
  }
  transformed = anyCorrection(identifier, validLastResort);
  if (transformed !== null) {
    return transformed;
  }
  return null;
};
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```



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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript

var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +

```

```

    "UNLICENSED", or ' +
    "SEE LICENSE IN <filename>",
    'license is similar to the valid expression "Apache-2.0"
  ]
}
);
...

```

SPDX expressions are valid, too ...

```

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('(GPL-3.0 OR BSD-2-Clause)'),
  validSPDXExpression
);
...

```

... except if they contain `LicenseRef`:

```

```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef")', ' +
    "UNLICENSED", or ' +
    "SEE LICENSE IN <filename>",
  ]
};

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
...

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript

```



```
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);
```

```
assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```
```

If there aren't any licensing terms, use `UNLICENSED`:

```
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
```
```

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- PCRE test suite, located in `test/mjsunit/third_party/regexp-pcre/regexp-pcre.js`. This is based on the test suite from PCRE-7.3, which is copyrighted by the University of Cambridge and Google, Inc. The copyright notice and license

are embedded in `regexp-pcre.js`.

- Layout tests, located in `test/mjsunit/third_party/object-keys`. These are based on layout tests from `webkit.org` which are copyrighted by Apple Computer, Inc. and released under a 3-clause BSD license.
- Strongtalk assembler, the basis of the files `assembler-arm-inl.h`, `assembler-arm.cc`, `assembler-arm.h`, `assembler-ia32-inl.h`, `assembler-ia32.cc`, `assembler-ia32.h`, `assembler-x64-inl.h`, `assembler-x64.cc`, `assembler-x64.h`, `assembler-mips-inl.h`, `assembler-mips.cc`, `assembler-mips.h`, `assembler.cc` and `assembler.h`. This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.
- Valgrind client API header, located at `src/third_party/valgrind/valgrind.h`. This is released under the BSD license.
- The Wasm C/C++ API headers, located at `third_party/wasm-api/wasm.{h,hh}`. This is released under the Apache license. The API's upstream prototype implementation also formed the basis of V8's implementation in `src/wasm/c-api.cc`.

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Tests included here are based on build output generated by the six-speed benchmark suite.

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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.

#### THE BASIC LIBRARY FUNCTIONS

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Email local part: ph10  
Email domain: cam.ac.uk

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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## 1.29 pkg-config 0.29-4+b1

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

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

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

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

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

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

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

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

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

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## 1.30 vim 7.4.1689-3ubuntu1.4

### 1.30.1 Available under license :

\*uganda.txt\* For Vim version 7.4. Last change: 2013 Jul 06

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 ===

#### VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:



- 1) This license text must be included unmodified.
- 2) The modified Vim must be distributed in one of the following five ways:
  - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
  - b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
  - c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
  - d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
    - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
    - You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
    - You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
  - e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
- 3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned

under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

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.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. 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>

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

=== 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.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

=====  
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. Furthermore, 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  
IBAN: NL95 INGB 0004 5487 74

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: NL95 INGB 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:

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:

README.txt for version 7.4 of Vim: Vi IMproved.

## WHAT IS VIM?

Vim is a greatly improved version of the good old UNIX editor Vi. Many new features have been added: multi-level undo, syntax highlighting, command line history, on-line help, spell checking, filename completion, block operations, script language, etc. There is also a Graphical User Interface (GUI) available. Still, Vi compatibility is maintained, those who have Vi "in the fingers" will feel at home. See "runtime/doc/vi\_diff.txt" for differences with Vi.

This editor is very useful for editing programs and other plain text files. All commands are given with normal keyboard characters, so those who can type with ten fingers can work very fast. Additionally, function keys can be mapped to commands by the user, and the mouse can be used.

Vim runs under MS-Windows (NT, 2000, XP, Vista, 7, 8, 10), Macintosh, VMS and almost all flavours of UNIX. Porting to other systems should not be very difficult. Older versions of Vim run on MS-DOS, MS-Windows 95/98/Me, Amiga DOS, Atari MiNT, BeOS, RISC OS and OS/2. These are no longer maintained.

## DISTRIBUTION

You can often use your favorite package manager to install Vim. On Mac and Linux a small version of Vim is pre-installed, you still need to install Vim if you want more features.

There are separate distributions for Unix, PC, Amiga and some other systems. This README.txt file comes with the runtime archive. It includes the documentation, syntax files and other files that are used at runtime. To run Vim you must get either one of the binary archives or a source archive. Which one you need depends on the system you want to run it on and whether you want or must compile it yourself. Check "<http://www.vim.org/download.php>" for an overview of currently available distributions.

## COMPILING

If you obtained a binary distribution you don't need to compile Vim. If you obtained a source distribution, all the stuff for compiling Vim is in the "src" directory. See src/INSTALL for instructions.

## INSTALLATION

See one of these files for system-specific instructions. Either in the READMEdir directory (in the repository) or the top directory (if you unpack an archive):

README\_ami.txt Amiga  
README\_unix.txt Unix  
README\_dos.txt MS-DOS and MS-Windows  
README\_mac.txt Macintosh  
README\_vms.txt VMS

There are more README\_\*.txt files, depending on the distribution you used.

## DOCUMENTATION

The Vim tutor is a one hour training course for beginners. Often it can be started as "vimtutor". See ":help tutor" for more information.

The best is to use ":help" in Vim. If you don't have an executable yet, read "runtime/doc/help.txt". It contains pointers to the other documentation files. The User Manual reads like a book and is recommended to learn to use Vim. See ":help user-manual".

## COPYING

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation to help orphans in Uganda. Please read the file "runtime/doc/uganda.txt" for details (do ":help uganda" inside Vim).

Summary of the license: There are no restrictions on using or distributing an unmodified copy of Vim. Parts of Vim may also be distributed, but the license text must always be included. For modified versions a few restrictions apply. The license is GPL compatible, you may compile Vim with GPL libraries and distribute it.

## SPONSORING

Fixing bugs and adding new features takes a lot of time and effort. To show your appreciation for the work and motivate Bram and others to continue working on Vim please send a donation.

Since Bram is back to a paid job the money will now be used to help children in Uganda. See `runtime/doc/uganda.txt`. But at the same time donations increase Bram's motivation to keep working on Vim!

For the most recent information about sponsoring look on the Vim web site:

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

## CONTRIBUTING

If you would like to help making Vim better, see the `CONTRIBUTING.md` file.

## INFORMATION

The latest news about Vim can be found on the Vim home page:

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

If you have problems, have a look at the Vim documentation or tips:

<http://www.vim.org/docs.php>

[http://vim.wikia.com/wiki/Vim\\_Tips\\_Wiki](http://vim.wikia.com/wiki/Vim_Tips_Wiki)

If you still have problems or any other questions, use one of the mailing lists to discuss them with Vim users and developers:

<http://www.vim.org/maillist.php>

If nothing else works, report bugs directly:

Bram Moolenaar <[Bram@vim.org](mailto:Bram@vim.org)>

## MAIN AUTHOR

Send any other comments, patches, flowers and suggestions to:

Bram Moolenaar E-mail: [Bram@vim.org](mailto:Bram@vim.org)

/\*

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\*

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## 1.32 grep 2.25 1~16.04.1

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## 1.33 at 3.1.18 2ubuntu1

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This is the Debian GNU/Linux prepackaged version of the deferred execution scheduler called `at`.

This package was debianized by its author Thomas Koenig [ig25@rz.uni-karlsruhe.de](mailto:ig25@rz.uni-karlsruhe.de), taken over and re-packaged first by Martin Schulze [joey@debian.org](mailto:joey@debian.org) and then by Siggy Brentrup [bsb@winnegan.de](mailto:bsb@winnegan.de), and then taken over by Ryan Murray [rmurray@debian.org](mailto:rmurray@debian.org).

In August 2009 the upstream development and Debian packaging were taken over by Ansgar Burchardt [ansgar@debian.org](mailto:ansgar@debian.org) and Cyril Brulebois [kibi@debian.org](mailto:kibi@debian.org).

In August 2015 the upstream development and Debian packaging were taken over by Jose M Calhariz [jose@calhariz.com](mailto:jose@calhariz.com)

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```
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## 1.34 iconv 2.23

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Description: Don't warn for `_BSD_SOURCE` || `_SVID_SOURCE`, drop post-vivid

Author: Adam Conrad <adconrad@ubuntu.com>

```
--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
     transitioned to use the new macro. */
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
    && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
# undef _DEFAULT_SOURCE
# define _DEFAULT_SOURCE 1
#endif
```

This is the Debian prepackaged version of the GNU C Library version 2.23.

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## 1.36 icu 48

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```
## *-makefile*-
```

```
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
```

```
## Copyright (c) 1999-2009, International Business Machines Corporation and
```

```
## others. All Rights Reserved.
```

```
## Commands to generate dependency files
```

```
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
```

```
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

```
## Flags for position independent code
```

```
SHAREDLIBCFLAGS = -fPIC
```

```
SHAREDLIBCXXFLAGS = -fPIC
```

```
SHAREDLIBCPPFLAGS = -DPIC
```

```
## Additional flags when building libraries and with threads
```

```
THREADSCPPFLAGS = -D_REENTRANT
```

```
LIBCPPFLAGS =
```

```
## Compiler switch to embed a runtime search path
```

```
LD_RPATH=
```

```
LD_RPATH_PRE= -Wl,-rpath,
```

```
## Compiler switch to embed a library name
```

```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

```
## Shared library options
```

```
LD_SOOPTIONS= -Wl,-Bsymbolic
```

```
## Shared object suffix
```

```
SO = so
```

```
## Non-shared intermediate object suffix
```

```
STATIC_O = ao
```

```
## Compilation rules
```

```

%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

```

### ## Dependency rules

```

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*/1.o $@ : /g\'" > $@; \
[ -s $@ ] || rm -f $@'

```

```

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*/1.o $@ : /g\'" > $@; \
[ -s $@ ] || rm -f $@'

```

### ## Versioned libraries rules

```

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

```

### ## End FreeBSD-specific setup

```

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<title>ICU License - ICU 1.8.1 and later</title>
</head>

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## 1.37 grep 2.27 2

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Version 3, 29 June 2007

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## 1.39 net-tools 1.60 26ubuntu1

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```
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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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## 1.40 eject 2.1.5+deb1+cvcs20081104

## 13.1 ubuntu0.16.04.1

### 1.40.1 Available under license :

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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 3, 29 June 2007

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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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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Ty Coon, President of Vice

That's all there is to it!

## 1.47 perl 5.22.1-9ubuntu0.6

### 1.47.1 Available under license :

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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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The End

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abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

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```
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```

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```

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```

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```
Gnomovision version 69, Copyright (C) 19xx 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.
```

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

That's all there is to it!  
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

```
use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}
```

```
my ($opt) = @ARGV;
```

```
my $readme_year = readme_year();
my $v_year = v_year();
```

```
# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
```

```

if ($opt eq '--now')
{
my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

open my $readme, '<', './README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = "";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

$year;
}

```

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```

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## 1.48 dash 0.5.8 2.4

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

<signature of Ty Coon>, 1 April 1989

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That's all there is to it!

## 1.50 kmod 22 1ubuntu5

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## 1.52 gawk 4.1.3+dfsg-0.1

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```
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Ty Coon, President of Vice
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## 1.53 libgpg-error 1.2

### 1.53.1 Available under license :

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Source: <http://www.openbsd.org/cgi-bin/cvsweb/src/usr.bin/nc/>

Files: netcat.c

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## 1.55 groff 1.22.3 7

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. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

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```
src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp
```

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

```
src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
```

src/devices/xditview/parse.c  
src/devices/xditview/xdit.bm  
src/devices/xditview/xdit\_mask.bm  
src/devices/xditview/xditview.c

src/include/DviChar.h  
src/include/XFontName.h

src/libs/libxutil/DviChar.c  
src/libs/libxutil/XFontName.c

## Macro Packages

-----

. The -mdoc macro set, using the BSD license.

tmac/doc.tmac  
tmac/doc-old.tmac  
tmac/doc-common  
tmac/doc-ditroff  
tmac/doc-nroff  
tmac/doc-syms  
tmac/groff\_mdoc.man

. The -me macro set, using the BSD license.

tmac/e.tmac  
tmac/groff\_me.man  
doc/meintro.me  
doc/meintro\_fr.me  
doc/meref.me

## Hyphenation Patterns

-----

. The file ``tmac/hyphen.us'` is identical to the file ``hyphen.tex'`, part of the TeX system written by Donald E. Knuth; the master file can be found at

`ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex` .

It has been renamed for consistency, i.e., to make patterns available under the filenames ``hyphen.<language>'`, e.g. ``hyphen.de'` or ``hyphen.uk'`.

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. The file ``tmac/hyphen.fr'` contains the same patterns as the file ``frhyph.tex'` (for TeX), which can be found at

<http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex> .

The patterns have been converted to a format groff can understand.

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. The file ``tmac/hyphen.sv'` is identical to the file ``svhyph.tex'`, which can be found at

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. The files ``tmac/hyphen.det'` and ``tmac/hyphen.den'` contain the same patterns as the files ``dehyph-x-2017-03-31.pat'` and ``dehyphn-x-2017-03-31.pat'` (for TeX), respectively, which can be found at

<http://ctan.org/tex-archive/language/hyphenation/dehyph-exptl>

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. The file ``tmac/hyphen.cs'` contains the same patterns as the file ``czhyphen.tex'` (for TeX), which can be found in the archive

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-\*- text -\*-

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```

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

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Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,

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Version 3, 29 June 2007

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## 1.69 xz 5.1.1alpha+20120614 2ubuntu2

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=====

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## THE BASIC LIBRARY FUNCTIONS

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Email domain: cam.ac.uk

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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```
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;
```

```

typedef unsigned int nfd_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
This file is part of the OpenSSH software.

```

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```

[Tatu continues]

```

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\*/

#ifndef HAVE\_SETRESGID

int setresgid(gid\_t, gid\_t, gid\_t);

#endif

#ifndef HAVE\_SETRESUID

int setresuid(uid\_t, uid\_t, uid\_t);

#endif

/\*

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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

```

## 1.72 sed 4.2.2 7

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Version 3, 29 June 2007

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```

```
*/
```

```
#ifndef UV_BSD_H
```

```
#define UV_BSD_H
```

```
#define UV_PLATFORM_FS_EVENT_FIELDS \  
uv__io_t event_watcher; \
```

```
#define UV_IO_PRIVATE_PLATFORM_FIELDS \  
int rcount; \  
int wcount; \
```

```
#define UV_HAVE_KQUEUE 1
```

```
#endif /* UV_BSD_H */
```

```
Files: *
```

```
=====
```

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Files: getopt.c

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## 1.75 libpng 1.6.37

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-----  
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```
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```

```
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```

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```
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```

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```
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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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The End

## 1.79 rsync 3.1.1-3ubuntu1.3

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Version 3, 29 June 2007

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## 1.83 mlocate 0.26 1ubuntu2

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```

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dnl gives unlimited permission to copy and/or distribute it,
dnl with or without modifications, as long as this notice is preserved.

AC_DEFUN([gl_CANONICALIZE_LGPL],
[
dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
if test $ac_cv_func_canonicalize_file_name = no; then
  AC_LIBOBJ(canonicalize-lgpl)
  AC_DEFINE([realpath], [rpl_realpath],
    [Define to a replacement function name for realpath().])
  gl_PREREQ_CANONICALIZE_LGPL
fi
])

# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  gl_PREREQ_CANONICALIZE_LGPL
])

# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
  AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
  AC_CHECK_FUNCS_ONCE(getcwd readlink)
])

```

## 1.84 nano 2.5.3 2ubuntu2

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## 1.88 diffutils 3.5-3

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

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

software.

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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## 1.90 lua-cjson 2.1.0

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

@c End:

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```

```
#include <boost/mpl/push_back.hpp>
```

```
#include <boost/mpl/quote.hpp>
```

```
#include <boost/mpl/transform.hpp>
```

```
#include <boost/mpl/vector.hpp>
```

```
template <typename X>
```

```
struct f { using type = X; };
```

```

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title>License &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="../../_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="../../_static/pygments.css" type="text/css" />

  <script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT:    './..',
  VERSION:    '0.6',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
  HAS_SOURCE: true,
  SOURCELINK_SUFFIX: '.txt'
};
</script>
<script type="text/javascript" src="../../_static/jquery.js"></script>
<script type="text/javascript" src="../../_static/underscore.js"></script>
<script type="text/javascript" src="../../_static/doctools.js"></script>
<link rel="index" title="Index" href="../../genindex.html" />
<link rel="search" title="Search" href="../../search.html" />
<link rel="prev" title="Acknowledgements" href="acknowledgements.html" />
</head>
<body role="document">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" href="acknowledgements.html"></a>
<a accesskey="u" href="../../index.html"></a>

```



```
<a accesskey="h" href="../index.html"></a>
<a accesskey="n" ></a>
</div>
```

```
<div class="document">
<div class="chapter">
  <div class="body" role="main">
```

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```

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--><div class="section" id="license">
```

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<h1>License<a class="headerlink" href="#license" title="Permalink to this headline"></a></h1>
```

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ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER</p>
</div>
```

```
</div>
```

```
</div>
```

```
<div class="clearer"></div>
```

```
</div>
```

```
<div class="footer" role="contentinfo">
```

```
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
```

```
<td align="left"></td>
```

```
<td align="right"><div class="copyright-footer">
```

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  Created using Sphinx 1.5.6.
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```
</p>
</div></td>
</tr></table>
</div>
</body>
</html>
<!DOCTYPE html>
<html>
<head></head>
<body>
<h3>
  Copyright Test
</h3>
<p class="copyright">
  1963, 1964, 1965 Jane Doe
</p>
<p class="copyright">
  2018 Joe Blow, John Coe
</p>
<p class="copyright">
  1977, 1985 Someone else
</p>
</body>
</html>
```

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//

// See <http://www.boost.org/libs/intrusive> for documentation.

//

////////////////////////////////////

#ifndef BOOST\_INTRUSIVE\_DETAIL\_MPL\_HPP

#define BOOST\_INTRUSIVE\_DETAIL\_MPL\_HPP

```

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;

```

```

using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME) \
template <typename T> \
struct boost_intrusive_has_type_ ## TNAME \
{ \
    template <typename X> \
    static char test(int, typename X::TNAME*); \
 \
    template <typename X> \
    static int test(...); \
 \
    static const bool value = (1 == sizeof(test<T>(0, 0))); \
}; \
 \
template <typename T, typename DefaultType> \
struct boost_intrusive_default_type_ ## TNAME \
{ \
    struct DefaultWrap { typedef DefaultType TNAME; }; \
 \
    typedef typename \
        :boost::intrusive::detail::if_c \
        < boost_intrusive_has_type_ ## TNAME<T>::value \
        , T, DefaultWrap>::type::TNAME type; \
}; \
//

```

```

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) \
    INSTANTIATION_NS_PREFIX \
        boost_intrusive_has_type_ ## TNAME< T >::value \
//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)\
template <typename T, typename DefaultType> \
struct boost_intrusive_eval_default_type_ ## TNAME \
{ \
    template <typename X> \
    static char test(int, typename X::TNAME*); \
\
    template <typename X> \
    static int test(...); \
\
    struct DefaultWrap \
    { typedef typename DefaultType::type TNAME; }; \
\
    static const bool value = (1 == sizeof(test<T>(0, 0))); \
\
    typedef typename \
        ::boost::intrusive::detail::eval_if_c \
            < value \
            , ::boost::intrusive::detail::identity<T> \
            , ::boost::intrusive::detail::identity<DefaultWrap> \
            >::type::TNAME type; \
}; \
//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_eval_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX,
TYPEDEF_TO_FIND) \
template <class T> \
struct TRAITS_PREFIX##_bool \
{ \
    template<bool Add> \
    struct two_or_three {yes_type _[2 + Add];}; \
}

```

```

template <class U> static yes_type test(...);\
template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);\
static const std::size_t value = sizeof(test<T>(0));\
};\
\
template <class T>\
struct TRAITS_PREFIX##_bool_is_true\
{\
static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;\
};\
//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME,\
FUNC_NAME) \
template <typename U, typename Signature> \
class TRAITS_NAME \
{ \
private: \
template<Signature> struct helper;\
template<typename T> \
static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*); \
template<typename T> static ::boost::intrusive::detail::no_type test(...); \
public: \
static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \
template <typename Type> \
struct TRAITS_NAME \
{ \
struct BaseMixin \
{ \
void FUNC_NAME(); \
}; \
struct Base : public Type, public BaseMixin { Base(); }; \
template <typename T, T t> class Helper{}; \
template <typename U> \
static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); \
static ::boost::intrusive::detail::yes_type test(...); \
static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME,\
FUNC_NAME) \
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME) \
\

```

```

\
template <typename Type, class> \
struct TRAITS_NAME \
  : public TRAITS_NAME##_ignore_signature<Type> \
{ }; \
//

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#ifdef BOOST_INTRUSIVE_DETAIL_MPL_HPP
=====

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3) Examples -> might take sole copyright
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```



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```
[/  
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http://www.boost.org/LICENSE\_1\_0.txt).  
]
```

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [[@../.../libs/mpl/doc/refmanual/integral-constant.html](http://@../.../libs/mpl/doc/refmanual/integral-constant.html) Integral Constant type].

Please note that these types no longer inherit from ``mpl::true_`` or ``mpl::false_`` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from ``integral_constant`` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.

```
[endsect]  
[article Invalid copyright years  
[quickbook 1.5]  
[copyright 2010-2001 Timequake man]  
]  
Copyright Louis Dionne 2013-2017
```

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This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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```
/+\
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\+/
```

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[article Copyright Test

[quickbook 1.5]

[copyright 1963-1965 Jane Doe, 2018 Joe Blow, John Coe]

[copyright 1977,1985 Someone else]

]

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">

<title>MPL Interoperability</title>

<link rel="stylesheet" href="../../doc/src/boostbook.css" type="text/css">

<meta name="generator" content="DocBook XSL Stylesheets V1.79.1">

<link rel="home" href="../../index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">

<link rel="up" href="../../index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">

<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsic">

<link rel="next" href="examples.html" title="Examples">

</head>

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<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
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accesskey="u" href="../../index.html"></a><a accesskey="h"
href="../../index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
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<a name="boost_typetraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a href="../../../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>.
</p>
<p>
Please note that these types no longer inherit from <code class="computeroutput"><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code> or
<code class="computeroutput"><span class="identifier">mpl</span><span class="special">::</span><span
class="identifier">false_</span></code> etc, and the library will no longer
implicitly include any MPL header. However there is an implicit conversion
from <code class="computeroutput"><span class="identifier">integral_constant</span></code> to the
corresponding MPL types, therefore tag-dispatching that uses MPL types in function
overloads will still work as before.
</p>
</div>
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<td align="left"></td>
<td align="right"><div class="copyright-footer">Copyright &#169; 2000, 2011 Adobe Systems Inc, David
Abrahams,
Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant,
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Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven
Watanabe<p>
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target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
</p>

```

```

</div></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="index.html"></a><a accesskey="h"
href="index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
</body>
</html>

```

```

[/
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```

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```

var group__group_ext_mpl =
[
  [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
  [ "list", "structboost_1_1mpl_1_1list.html", null ],
  [ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];

```

```

// Copyright Louis Dionne 2013-2017
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

int main() { }
////////////////////////////////////
//
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// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/container for documentation.
//
////////////////////////////////////

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <boost/intrusive/detail/mpl.hpp>

#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

```

```

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

```

```

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    { return x.first; }

    template<class T>
    type& operator()(T& x)
    { return const_cast<type&>(x.first); }
};

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;

```

```

};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{
};

} //namespace dtl {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#ifdef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
////////////////////////////////////////////////////////////////
//
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// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/interprocess for documentation.
//
////////////////////////////////////////////////////////////////
#endif BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifdef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
#
#ifdef BOOST_HAS_PRAGMA_ONCE
# pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {

```

```

namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_>
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template<
    bool C
    , typename T1
    , typename T2
    >
struct if_c
{

```



```

    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#!/usr/bin/env python
from subprocess import check_output as run

```

```

from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
              '--date=short', '--format=%aN%x09% ad', filename],
              universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('\t')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year == end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
    return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
    for i, line in enumerate(content[:15]):
        m = re.match(r'^(?P<prefix>\W*)(\c)?\s*?copyright\s*(\c)?\s+\d{4}(\s*\s*\d{4})?\s+(?P<name>.+?)\s*$',
line, re.IGNORECASE)
        if m:
            d = m.groupdict()
            prefix.add(d['prefix'])
            lines.append(i)
            names.append(d['name'].strip())
    if len(prefix) != 1:
        print 'Not found:', filename

```

```

    return
    prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
    with open(filename, 'w') as f:
        for i, line in enumerate(content):
            if i in lines:
                for repl in new:
                    print >>f, prefix + repl
            else:
                print >>f, line,
    pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)
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```

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```

[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]

```

Maybe this should pass?

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<!-- Copyright (c) 2001-2006 CrystalClear Software, Inc.
```

```
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```

```
(See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE\_1\_0.txt)
```

```
-->
```

```
<section id="date_time.license">
```

```
<title>Boost Date-Time Library License</title>
```

```
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
```

```
<!--
```

```
<ulink url="../../index.htm">
```

```
<imagedata align="left"
```

```
format="GIF"
```

```
fileref="../../boost.png"
```

```
alt="C++ Boost" />
```

```
</ulink>-->
```

```
<!--hr /-->
```

```
<para>
```

The following is the overall license for the boost date\_time library. This notice is found in all source files related to the library.

```
</para>
```

```
<para>
```

Copyright © 2002 CrystalClear Software, Inc.

```
</para>
```

```
<para>
```

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```
</para>
```

```
<!--hr / -->
```

```
<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
```

```
&#169; 2000-2002
```

```
</section>
```

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.)  
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Aleksey Gurtovoy (agurtovoy@meta-comm.com)

Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)

Andrew Lumsdaine ()

Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)

Beman Dawes (bdawes@acm.org)

Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)

Brian Osman (osman -at- vvisions.com) (See CVS log)

Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)

Bruno da Silva de Oliveira (bruno - at - esss.com.br)

Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)

Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)

Dan Gohman (djg -at- cray.com) (See Boost list message of Sat, 21 Aug 2004 10:54:59 +0100)

Dan Nuffer (dan -at- nuffer.name)

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Daniel Nuffer (dan -at- nuffer.name)

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Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)

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Fernando Luis Cacciola Carballal (fernando\_cacciola@ciudad.com.ar)

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Gottfried Ganauge (Gottfried.Ganssaue -at- HAUFE.DE) (Alternative spelling of Gottfried Ganssaue)

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Gregory Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)

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Herv Brnnimann (hbr -at- poly.edu)

Housemarque Oy (Ilari Kuittinen ilari.kuittinen -at- housemarque.fi)

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Kresimir Fresl (fresl -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)  
Lars Gullik Bjnnes (larsbj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)  
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Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)  
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Ralf W. Grosse-Kunsteleve (RWGrosse-Kunsteleve@lbl.gov)  
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Robert Ramey (ramey@www.rrsd.com)  
Roland Richter (roland -at- flll.jku.at) (See Boost list post of Mon, 16 Aug 2004 22:16:55 +0200)  
Roland Schwarz (roland.schwarz -at- chello.at)  
Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)  
Samuel Krempp (krempp -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)  
Stefan Seefeld (seefeld -at- sympatico.ca)  
Stephen Cleary (sccleary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)  
Steve Cleary (Variant of Stephen Cleary)  
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William E. Kempf () (email to Beman Dawes, 9/14/2006 4:18 PM)  
Joerg Walter (jhr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)  
Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

--- end ---

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title>&lt;no title&gt; &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="_static/pygments.css" type="text/css" />

  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT: './',
      VERSION: '0.6',
      COLLAPSE_INDEX: false,
      FILE_SUFFIX: '.html',
      HAS_SOURCE: true,
      SOURCELINK_SUFFIX: '.txt'
    };
  </script>
  <script type="text/javascript" src="_static/jquery.js"></script>
  <script type="text/javascript" src="_static/underscore.js"></script>
  <script type="text/javascript" src="_static/doctools.js"></script>
  <link rel="index" title="Index" href="genindex.html" />
  <link rel="search" title="Search" href="search.html" />
</head>
<body role="document">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" ></a>
<a accesskey="u" href="doc/index.html"></a>
<a accesskey="h" href="doc/index.html"></a>
<a accesskey="n" ></a>
</div>

  <div class="document">
    <div class="chapter">
      <div class="body" role="main">

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        this license (the &#8220;Software&#8221;) to use, reproduce, display, distribute,

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```
</div>
</div>
<div class="clearer"></div>
</div>
<div class="footer" role="contentinfo">
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left">
<td align="right"><div class="copyright-footer">
    © Copyright 2016, Paul Fultz II.

    Created using <a href="http://sphinx-doc.org">Sphinx</a> 1.5.6.
    <p>Distributed under the Boost Software License, Version 1.0.
    (See accompanying file <code class="filename">LICENSE_1_0.txt</code> or copy at
    <a href="http://www.boost.org/LICENSE_1_0.txt"
    target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
    </p>
</div></td>
</tr></table>
</div>
</body>
</html>
<!--
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-->
<!-- boost-no-inspect -->
<!-- HTML header for doxygen 1.8.9.1-->
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/xhtml;charset=UTF-8"/>
<meta http-equiv="X-UA-Compatible" content="IE=9"/>
<meta name="generator" content="Doxygen 1.8.11"/>
<title>Boost.Hana: Boost.MPL adapters</title>
<link href="tabs.css" rel="stylesheet" type="text/css"/>
<script type="text/javascript" src="jquery.js"></script>
<script type="text/javascript" src="dynsections.js"></script>
<link href="navtree.css" rel="stylesheet" type="text/css"/>
<script type="text/javascript" src="resize.js"></script>
<script type="text/javascript" src="navtreedata.js"></script>
<script type="text/javascript" src="navtree.js"></script>
<script type="text/javascript">
$(document).ready(initResizable);
$(window).load(resizeHeight);
</script>
<link href="search/search.css" rel="stylesheet" type="text/css"/>
<script type="text/javascript" src="search/searchdata.js"></script>
<script type="text/javascript" src="search/search.js"></script>
<script type="text/javascript">
$(document).ready(function() { init_search(); });
</script>
<script type="text/x-mathjax-config">
MathJax.Hub.Config({
  extensions: ["tex2jax.js"],
  jax: ["input/TeX","output/HTML-CSS"],
});
// Copyright Louis Dionne 2013-2017
// Distributed under the Boost Software License, Version 1.0.
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MathJax.Hub.Config({
  "HTML-CSS": {
    linebreaks: {
      automatic: true,
      width: "75% container"
    }
  }
});
</script><script type="text/javascript" src="https://cdn.mathjax.org/mathjax/latest/MathJax.js"></script>
<link href="doxygen.css" rel="stylesheet" type="text/css" />
<!-- Additional javascript for drawing charts. -->
<script type="text/javascript" src="highcharts.js"></script>
<script type="text/javascript" src="highcharts-data.js"></script>
<script type="text/javascript" src="highcharts-exporting.js"></script>
<script type="text/javascript" src="chart.js"></script>
<script type="text/javascript" src="hana.js"></script>

```

```

</head>
<body>
<div id="top"><!-- do not remove this div, it is closed by doxygen! -->
<div id="titlearea">
<table cellspacing="0" cellpadding="0">
<tbody>
<tr style="height: 56px;">
<td id="projectlogo"></td>
<td style="padding-left: 0.5em;">
<div id="projectname">Boost.Hana
&#160;<span id="projectnumber">1.5.0</span>
</div>
<div id="projectbrief">Your standard library for metaprogramming</div>
</td>
<td>
<div id="MSearchBox" class="MSearchBoxInactive">
<span class="left">

<input type="text" id="MSearchField" value="Search" accesskey="S"
onfocus="searchBox.OnSearchFieldFocus(true)"
onblur="searchBox.OnSearchFieldFocus(false)"
onkeyup="searchBox.OnSearchFieldChange(event)"/>
</span><span class="right">
<a id="MSearchClose" href="javascript:searchBox.CloseResultsWindow()"></a>
</span>
</div>
</td>
</tr>
</tbody>
</table>
</div>
<!-- end header part -->
<!-- Generated by Doxygen 1.8.11 -->
<script type="text/javascript">
var searchBox = new SearchBox("searchBox", "search",false,'Search');
</script>
</div><!-- top -->
<div id="side-nav" class="ui-resizable side-nav-resizable">
<div id="nav-tree">
<div id="nav-tree-contents">
<div id="nav-sync" class="sync"></div>
</div>
</div>
<div id="splitbar" style="-moz-user-select:none;"
class="ui-resizable-handle">

```

```

</div>
</div>
<script type="text/javascript">
$(document).ready(function(){initNavTree('group__group-ext-mpl.html','');});
</script>
<div id="doc-content">
<!-- window showing the filter options -->
<div id="MSearchSelectWindow"
  onmouseover="return searchBox.OnSearchSelectShow()"
  onmouseout="return searchBox.OnSearchSelectHide()"
  onkeydown="return searchBox.OnSearchSelectKey(event)">
</div>

<!-- iframe showing the search results (closed by default) -->
<div id="MSearchResultsWindow">
<iframe src="javascript:void(0)" frameborder="0"
  name="MSearchResults" id="MSearchResults">
</iframe>
</div>

<div class="header">
<div class="summary">
<a href="#nested-classes">Classes</a> </div>
<div class="headertitle">
<div class="title">Boost.MPL adapters<div class="ingroups"><a class="el" href="group__group-ext.html">External adapters</a></div></div> </div>
</div><!--header-->
<div class="contents">
<a name="details" id="details"></a><h2 class="groupheader">Description</h2>
<p>Adapters for Boost.MPL containers. </p>
<table class="memberdecls">
<tr class="heading"><td colspan="2"><h2 class="groupheader"><a name="nested-classes"></a>
Classes</h2></td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1integral__c.html">boost::mpl::integral_c&lt; T, v &gt;</a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for IntegralConstants
from the Boost.MPL. <a href="structboost_1_1mpl_1_1integral__c.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1list.html">boost::mpl::list&lt; T &gt;</a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL lists.
<a href="structboost_1_1mpl_1_1list.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1vector.html">boost::mpl::vector&lt; T &gt;</a></td></tr>

```

```
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL
vectors. <a href="structboost_1_1mpl_1_1vector.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
</table>
</div><!-- contents -->
</div><!-- doc-content -->
<!--
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-->
<!-- boost-no-inspect -->
<!-- HTML footer for doxygen 1.8.9.1-->
<!-- start footer part -->
<div id="nav-path" class="navpath"><!-- id is needed for treeview function! -->
<ul>
</ul>
</div>
</body>
</html>
<!-- Copyright 2018 Paul Fultz II
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-->
```

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=====

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
    </copyright>
    <copyright>
      <year>2018</year> <holder>Joe Blow, John Coe</holder>
    </copyright>
    <copyright>
      <year>1977</year> <year>1985</year> <holder>Someone else</holder>
    </copyright>
  </articleinfo>
</article>
http_parser.c is based on src/http/nginx_http_parse.c from NGINX copyright
Igor Sysoev.
```

Additional changes are licensed under the same terms as NGINX and copyright Joyent, Inc. and other Node contributors. All rights reserved.

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```

```
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```

```
#include <boost/mpl/fold.hpp>
```

```
#include <boost/mpl/push_back.hpp>
```

```
#include <boost/mpl/quote.hpp>
```

```
#include <boost/mpl/vector.hpp>
```

```
template <typename State, typename X>
```

```
struct f { using type = X; };
```

```
struct state { };
```

```
template <int i>
```

```
struct t { };
```

```
using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;
```

```
using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;
```

```
int main() { }
```

```
////
```

```
Copyright 2017 Peter Dimov
```

```
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```

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[http://www.boost.org/LICENSE\\_1\\_0.txt](http://www.boost.org/LICENSE_1_0.txt)  
////

```
[#mpl]
# MPL Support, <boost/mp11/mpl.hpp>
:toc:
:toc-title:
:idprefix:
```

The header ``<boost/mp11/mpl.hpp>``, when included, defines the necessary support infrastructure for ``mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.`

NOTE: ``mpl.hpp` is not included by `boost/mp11.hpp`.`

```
[/=====
Boost.Geometry (aka GGL, Generic Geometry Library)
```

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Copyright (c) 2008-2013 Bruno Lalande, Paris, France.  
Copyright (c) 2009-2013 Mateusz Loskot, London, UK.

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```
=====/]
/*
*
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* Boost Software License, Version 1.0. (See accompanying file
* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
*
*/
```

```
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <string>
#include <string_view>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>
```

```
//
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// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=\"\" << (p.root / p.file).string() << \">\" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.";
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
}

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}
os <<
"<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">\n"
"<html>\n"
"<head>\n"
"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
os << " for " << *(m_module_list.begin());
}
os <<
"</title>\n"
"</head>\n"
"<body>\n"
"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
os << " for " << *(m_module_list.begin());
}
os <<
"</H1>\n"
"<H2>Contents</h2>\n"
"<pre><a href=\"#input\">Input Information</a>\n";
if(!m_bsl_summary_mode)
os << "<a href=\"#summary\">Licence Summary</a>\n";
os << "<a href=\"#details\">Licence Details</a>\n";

while(i != j)
{
// title:
os << " <A href=\"#\" << make_link_target(licenses.first[i->first].license_name)
<< "\">" << licenses.first[i->first].license_name << "</a>\n";
++i;
}

os << "<a href=\"#files\">Files with no recognised license</a>\n"
"<a href=\"#authors\">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
os <<
"Moving to the Boost Software License...\n"
" <a href=\"#bsl-converted\">Files that can be automatically converted to the Boost Software License</a>\n"
" <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
" <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
" <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"
"<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<

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"<a href=\"#depend\">File Dependency Information</a>\n"
"</pre>";

//
// input Information:
//
os << "<a name=\"input\"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[:blank:]]*#[[:blank:]]*define[[:blank:]]+BOOST_VERSION[[:blank:]]+(\d+)");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
<< "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:
    //
    os << "<a name=\"summary\"></a><h2>Licence Summary</h2>\n";
    while(i != j)

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{
    // title:
    os <<
        "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    // Copyright holders:
    os << "<P>This license is used by " << i->second.authors.size()
        << " authors and " << i->second.files.size()
        << " files <a href=\"#\" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
    os << "</P></BLOCKQUOTE>\n";
    ++i;
}
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
while(i != j)
{
    // title:
    os <<
        "<H3><A name=\"\" << make_link_target(licenses.first[i->first].license_name)
        << "\"></a>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
        os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
        std::set<std::string>::const_iterator x, y;
        x = i->second.authors.begin();
        y = i->second.authors.end();
        while(x != y)
        {
            os << *x << "<BR>\n";
            ++x;
        }
        os << "</P></BLOCKQUOTE>\n";
        // Files using this license:
        os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
        std::set<fs::path, path_less>::const_iterator m, n;
        m = i->second.files.begin();

```

```

n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>\n";
    ++m;
}
os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
    "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P></BLOCKQUOTE><P>\n";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n</BLOCKQUOTE><P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    //

```

```

// Output list of files that have been moved over to the Boost
// Software License, along with enough information for human
// verification.
//
os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
    << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
if (!m_converted_to_bsl.empty())
{
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
        os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
            << "</tt><br>\n<table border=\"1\">\n <tr>\n <td><pre>"
            << i->second.first << "</pre></td>\n <td><pre>"
            << i->second.second << "</pre></td>\n </tr>\n</table>\n";
        ++i;
        ++file_num;
    }
}
//
// Output list of files that could be moved over to the Boost Software License
//
os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
    "<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost
Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
    "<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software
License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();

```



```

while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
    "<P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>\n"));
os << "</p></BLOCKQUOTE>";
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
    os << "</td></tr>\n";
    ++ad;
}
os << "</table>\n";
}

//
// output file dependency information:
//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();

```

```

// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
                break; // circular dependency!!!
            }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
            if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                break;
        }
}

```

```
os << "\n";
++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>\n";

if(!os)
{
std::string msg("Error writing to ");
msg += m_dest_path.string();
msg += ".";
std::runtime_error e(msg);
boost::throw_exception(e);
}

}
```

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