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1.3 ncurses 6.3

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-- vile: txtmode file-encoding=utf-8

Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: aclocal.m4 package

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-- vile: txtmode file-encoding=utf-8

1.4 alpine-keys 2.4-r1

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1.5 procps 8.0.2

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1.7 libxml2 2.9.14

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1.8 cpp 10.2.0

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

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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language

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Version 3, 29 June 2007

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1.10 expat 2.5.0

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1.11 systemd 0.29.0

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1.13 safestring 2.23

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include/bsd/err.h

include/bsd/stdlib.h

include/bsd/sys/param.h

include/bsd/unistd.h

src/bsd_getopt.c

src/err.c

src/fgetln.c

src/progname.c

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include/bsd/sys/bitstring.h

include/bsd/sys/queue.h

include/bsd/sys/time.h

include/bsd/timeconv.h

include/bsd/vis.h

man/bitstring.3bsd

```
man/errc.3bsd
man/explicit_bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
man/funopen.3bsd
man/getbsize.3bsd
man/heapsort.3bsd
man/nlist.3bsd
man/pwcache.3bsd
man/queue.3bsd
man/radixsort.3bsd
man/reallocarray.3bsd
man/reallocf.3bsd
man/setmode.3bsd
man/strmode.3bsd
man/strnstr.3bsd
man/strtoi.3bsd
man/strtou.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcslcpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
src/nlist.c
src/pwcache.c
src/radixsort.c
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include/bsd/stringlist.h man/fmtcheck.3bsd

```
man/humanize_number.3bsd
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man/fparseln.3bsd

man/tree.3bsd

src/fparseln.c

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man/readpassphrase.3bsd

man/strlcpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random_linux.h

src/arc4random uniform.c

src/arc4random unix.h

src/arc4random_win.h

src/closefrom.c

src/freezero.c

src/getentropy_aix.c

src/getentropy_bsd.c

src/getentropy_hpux.c

src/getentropy_hurd.c

src/getentropy_linux.c

src/getentropy_osx.c

src/getentropy_solaris.c

src/getentropy_win.c

src/readpassphrase.c

```
src/reallocarray.c
src/recallocarray.c
src/strlcat.c
src/strlcpy.c
test/explicit_bzero.c
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot

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fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

use the Lesser General Public License.

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

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

that program using a modified version of the Library.

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

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Library refers to a function or a

table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves.

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entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed

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

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

Because

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

"work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the

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

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

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work with a written offer, valid for at
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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

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Version 3, 29 June 2007

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The

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

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

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

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

that took a week and required the proverbial one-bit fix.

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

Several engineers at Cygnus Solutions have also provided many

small

bug fixes and configuration enhancements.

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

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

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

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

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

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

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

intentionally leaving anyone out.

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1.17 gdb 12.1

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

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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Version 2.1, February 1999

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 Library refers to a function or a
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 is invoked, then you must make a good faith effort to ensure that,
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 table, the facility still operates, and performs whatever part of
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the

Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Section 6 states terms for distribution of such executables.

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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a) Accompany the work with the complete corresponding

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

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Version 3, 29 June 2007

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@setfilename gpl

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@c man begin SEEALSO

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

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1.18 openssl 1.1.1u

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1.19 tre 0.8.0-r2

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1.21 pax-utils 1.3.7-r2

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1.24 pcre 7.8

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

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1.26 zlib 1.2.11

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```
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Ty Coon, President of Vice
```

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1.28 ca-certificates 20240226-r0

1.28.1 Available under license:

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- /* c rehash.c Create hash symlinks for certificates
- * C implementation based on the original Perl and shell versions

*

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*/

Found in path(s):

* /opt/cola/permits/1919538345_1710807720.5754924/0/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c

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#!/usr/bin/env perl

```
# *
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# * furnished to do so, under the terms of the COPYING file.
# * This software is distributed on an "AS IS" basis, WITHOUT
WARRANTY OF ANY
# * KIND, either express or implied.
# ******************************
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
use Encode;
use Getopt::Std;
use MIME::Base64;
use strict;
use warnings;
use vars qw($opt_b $opt_d $opt_f $opt_h $opt_i $opt_k $opt_l $opt_m $opt_n $opt_p $opt_q $opt_s $opt_t $opt_u
$opt v $opt w);
use List::Util;
use Text::Wrap;
use Time::Local;
my $MOD_SHA = "Digest::SHA";
eval "require
$MOD_SHA";
if ($@) {
$MOD_SHA = "Digest::SHA::PurePerl";
eval "require $MOD_SHA";
eval "require LWP::UserAgent";
my %urls = (
'nss' =>
 'https://hg.mozilla.org/projects/nss/raw-file/default/lib/ckfw/builtins/certdata.txt',
'central' =>
 'https://hg.mozilla.org/mozilla-central/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'beta' =>
 'https://hg.mozilla.org/releases/mozilla-beta/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'release' =>
 'https://hg.mozilla.org/releases/mozilla-release/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
```

```
);
$opt_d = 'release';
# If the OpenSSL commandline is not in search path you can configure it here!
my $openssl = 'openssl';
my \$version = '1.27';
# default cert types to include in the output (default is to include CAs which may issue SSL server certs)
my $default_mozilla_trust_purposes = "SERVER_AUTH";
my $default_mozilla_trust_levels
= "TRUSTED_DELEGATOR";
$opt_p = $default_mozilla_trust_purposes . ":" . $default_mozilla_trust_levels;
my @valid mozilla trust purposes = (
"DIGITAL_SIGNATURE",
"NON_REPUDIATION",
"KEY ENCIPHERMENT",
"DATA_ENCIPHERMENT",
"KEY_AGREEMENT",
"KEY_CERT_SIGN",
"CRL_SIGN",
"SERVER AUTH",
"CLIENT_AUTH",
"CODE_SIGNING",
"EMAIL_PROTECTION",
"IPSEC_END_SYSTEM",
"IPSEC_TUNNEL",
"IPSEC_USER",
"TIME_STAMPING",
"STEP_UP_APPROVED"
);
my @valid_mozilla_trust_levels = (
"TRUSTED_DELEGATOR", #CAs
"NOT_TRUSTED",
                       # Don't trust these certs.
"MUST_VERIFY_TRUST", # This explicitly tells us that it ISN'T a CA but is otherwise ok. In other words, this
should tell the app to ignore any other sources that claim this is a CA.
"TRUSTED"
                    # This cert is trusted, but only for itself and not for delegates (i.e. it is not a CA).
);
my $default_signature_algorithms = $opt_s = "MD5";
my @valid_signature_algorithms = (
"MD5",
```

```
"SHA1",
 "SHA256".
"SHA384",
"SHA512"
);
0 = 8@.*(/|\)@@;
$Getopt::Std::STANDARD_HELP_VERSION = 1;
getopts('bd:fhiklmnp:qs:tuvw:');
if(!defined($opt_d)) {
 # to make plain "-d" use not cause warnings, and actually still work
 $opt_d = 'release';
}
# Use predefined URL or else custom URL specified on command line.
my $url;
if(defined($urls{$opt_d})) {
$url = $urls{$opt_d};
if(!$opt_k && $url !~ /^https:\/\//i) {
 die "The URL for '$opt_d' is not HTTPS. Use -k to override (insecure).\n";
}
}
else {
url = pt_d;
}
my $curl = `curl -V`;
if ($opt_i) {
print ("=" x 78 . "\n");
print "Script Version
                              : $version\n";
print "Perl Version
                              : $]\n";
print "Operating System Name
                                    : $^O\n";
print "Getopt::Std.pm Version
                                  : ${Getopt::Std::VERSION}\n";
print "Encode::Encoding.pm Version
                                      : ${Encode::Encoding::VERSION}\n";
print "MIME::Base64.pm Version
                                      : ${MIME::Base64::VERSION}\n";
print "LWP::UserAgent.pm
Version
            : ${LWP::UserAgent::VERSION}\n" if($LWP::UserAgent::VERSION);
                                 : ${LWP::VERSION}\n" if($LWP::VERSION);
print "LWP.pm Version
print "Digest::SHA.pm Version
                                    : ${Digest::SHA::VERSION}\n" if ($Digest::SHA::VERSION);
print "Digest::SHA::PurePerl.pm Version: ${Digest::SHA::PurePerl::VERSION}\n" if
($Digest::SHA::PurePerl::VERSION);
print ("=" x 78 . "\n");
sub warning_message() {
if ( $opt_d =~ m/^risk$/i ) { # Long Form Warning and Exit
```

```
print "Warning: Use of this script may pose some risk:\n";
 print "\n";
 print " 1) If you use HTTP URLs they are subject to a man in the middle attack\n";
 print " 2) Default to 'release', but more recent updates may be found in other trees\n";
 print " 3) certdata.txt file format may change, lag time to update this script\n";
 print " 4) Generally unwise to blindly trust CAs without manual review & verification\n";
 print " 5) Mozilla apps use additional security
checks aren't represented in certdata\n";
 print " 6) Use of this script will make a security engineer grind his teeth and\n";
 print "
           swear at you. ;)\n";
 exit;
} else { # Short Form Warning
 print "Warning: Use of this script may pose some risk, -d risk for more details.\n";
sub HELP_MESSAGE() {
print "Usage:\t${0} [-b] [-d<certdata>] [-f] [-i] [-k] [-l] [-n] [-p<purposes:levels>] [-q] [-s<algorithms>] [-t] [-u] [-
v] [-w<l>] [<outputfile>]\n";
print "\t-b\tbackup an existing version of ca-bundle.crt\n";
print "\t-d\tspecify Mozilla tree to pull certdata.txt or custom URL\n";
print "\t\t Valid names are:\n";
print "\t\t ", join(", ", map { ( $_ =~ m/$opt_d/ ) ? "$_ (default)" : "$_" } sort keys %urls ), "\n";
print "\t-f\tforce rebuild even if certdata.txt is current\n";
print "\t-i\tprint version info about used modules\n";
print "\t-k\tallow URLs other than HTTPS, enable HTTP fallback (insecure)\n";
print "\t-l\tprint license info
about certdata.txt\n";
print "\t-m\tinclude meta data in output\n";
print "\t-n\tno download of certdata.txt (to use existing)\n";
print wrap("\t","\t\t", "-p\tlist of Mozilla trust purposes and levels for certificates to include in output. Takes the
form of a comma separated list of purposes, a colon, and a comma separated list of levels. (default:
$default_mozilla_trust_purposes:$default_mozilla_trust_levels)"), "\n";
print "\t\t Valid purposes are:\n";
print wrap("\t\t ","\t\t ", join(", ", "ALL", @valid_mozilla_trust_purposes ) ), "\n";
print "\t\t Valid levels are:\n";
print wrap("\t\t ","\t\t ", join(", ", "ALL", @valid_mozilla_trust_levels)), "\n";
print "\t-q\tbe really quiet (no progress output at all)\n";
print wrap("\t","\t\t", "-s\tcomma separated list of certificate signatures/hashes to output in plain text mode. (default:
$default_signature_algorithms)\n");
print "\t\t Valid signature algorithms are:\n";
print wrap("\t\t ","\t\t
  ", join(", ", "ALL", @valid_signature_algorithms)), "\n";
print "\t-t\tinclude plain text listing of certificates\n";
print "\t-u\tunlink (remove) certdata.txt after processing\n";
print "\t-v\tbe verbose and print out processed CAs\n";
print "\t-w <l>\twrap base64 output lines after <l> chars (default: ${opt_w})\n";
exit;
```

```
}
sub VERSION_MESSAGE() {
print "\{0\} version \{version\} running Perl \{\} on \{^O\}\n";
}
warning_message() unless (pq \parallel url = m/(ht|f)tps:/i);
HELP_MESSAGE() if ($opt_h);
sub report($@) {
my $output = shift;
print STDERR $output . "\n" unless $opt_q;
}
sub is_in_list($@) {
my $target = shift;
return defined(List::Util::first { $target eq $_ } @_);
}
# Parses $param_string as a case insensitive comma separated list with optional whitespace
# validates that only allowed parameters are supplied
sub parse_csv_param($$@) {
my $description = shift;
my $param_string = shift;
my @valid_values = @_;
my @values = map {
  s/^\s+//; # strip leading spaces
 s/s+$//; # strip trailing spaces
         # return the modified string as upper case
} split( ',', $param_string );
# Find all values which are not in the list of valid values or "ALL"
my @invalid = grep { !is_in_list($_,"ALL",@valid_values) } @values;
if (scalar(@invalid) > 0) {
 # Tell the user which parameters were invalid and print the standard help message which will exit
 print "Error: Invalid ", $description, scalar(@invalid) == 1 ? ": " : "s: ", join( ", ", map { "\"$_\"" } @invalid ),
"\n";
 HELP_MESSAGE();
}
@values = @valid_values if ( is_in_list("ALL",@values) );
return @values;
```

```
sub sha256 {
my $result;
if \ (\$Digest::SHA::VERSION \ || \ \$Digest::SHA::PurePerl::VERSION) \ \{
 open(FILE, $_[0]) or die "Can't open '$_[0]': $!";
 binmode(FILE);
 $result = $MOD SHA->new(256)->addfile(*FILE)->hexdigest;
 close(FILE);
} else {
 # Use OpenSSL command if Perl Digest::SHA modules not available
  $result = `"$openssl" dgst -r -sha256 "$_[0]"`;
 return $result;
sub oldhash {
my $hash = "";
open(C, "<$_[0]") || return 0;
while(\langle C \rangle) {
 chomp;
 if(\$ = \sim /^\# SHA256: (.*)/) {
   hash = 1;
  last;
  }
close(C);
return $hash;
if ( $opt_p !~ m/:/ ) {
print "Error: Mozilla trust identifier list must include both purposes and levels\n";
HELP_MESSAGE();
}
(my $included_mozilla_trust_purposes_string, my $included_mozilla_trust_levels_string) = split(':', $opt_p);
my @included_mozilla_trust_purposes = parse_csv_param( "trust purpose",
$included_mozilla_trust_purposes_string, @valid_mozilla_trust_purposes);
my @included_mozilla_trust_levels = parse_csv_param( "trust level", $included_mozilla_trust_levels_string,
@valid_mozilla_trust_levels );
my @included_signature_algorithms = parse_csv_param( "signature algorithm", $opt_s,
@valid_signature_algorithms);
sub should_output_cert(%) {
my
```

```
%trust_purposes_by_level = @_;
foreach my $level (@included_mozilla_trust_levels) {
 # for each level we want to output, see if any of our desired purposes are included
 return 1 if ( defined( List::Util::first { is_in_list( $_, @included_mozilla_trust_purposes ) }
@{$trust_purposes_by_level{$level}}));
}
return 0;
}
my $crt = $ARGV[0] || 'ca-bundle.crt';
(\text{my } \text{stxt} = \text{surl}) = \ s@(.*/|\?.*)@@g;
my $stdout = $crt eq '-';
my $resp;
my $fetched;
my $oldhash = oldhash($crt);
report "SHA256 of old file: $oldhash";
if(!$opt_n) {
report "Downloading $txt ...";
# If we have an HTTPS URL then use curl
if(\$url = \sim /^https: \lor \lor //i)  {
 if($curl) {
   if(\$curl = \sim /^Protocols:.* https(|\$)/m) {
    report "Get certdata with curl!";
    my $proto = !$opt_k ? "--proto =https" : "";
    my $quiet = $opt_q ? "-s" : "";
    my @out = `curl -w %{response_code} $proto $quiet -o "$txt" "$url"`;
    if(!$? && @out && $out[0] == 200) {
     fetched = 1;
      report "Downloaded $txt";
    }
     report "Failed downloading via HTTPS with curl";
     if(-e $txt && !unlink($txt)) {
      report "Failed to remove '$txt': $!";
      }
    }
   }
   else {
    report "curl lacks https support";
   }
  }
```

```
else {
  report "curl not found";
}
# If nothing was fetched then use LWP
if(!$fetched) {
 if(\$url = \sim /^https: \lor \lor //i) {
   report "Falling back to HTTP";
   \ surl =~ s/^https:\\\//http:\\\//i;
  }
 if(!$opt_k) {
   report "URLs other than HTTPS are disabled by default, to enable use -k";
  exit 1;
 report "Get certdata with LWP!";
 if(!defined(${LWP::UserAgent::VERSION})) {
   report "LWP is not available (LWP::UserAgent not found)";
  exit 1;
  }
 my $ua = new LWP::UserAgent(agent => "$0/$version");
 $ua->env_proxy();
 $resp = $ua->mirror($url, $txt);
 if($resp && $resp->code eq '304') {
   report "Not modified";
   exit 0 if -e $crt && !$opt_f;
 else {
   fetched = 1;
  report "Downloaded $txt";
  }
 if(!$resp || $resp->code !~ /^(?:200|304)$/) {
   report "Unable to download latest data: "
    . ($resp? $resp->code . ' - ' . $resp->message : "LWP failed");
  exit 1 if -e $crt || ! -r $txt;
  }
}
}
my $filedate = $resp ? $resp->last_modified : (stat($txt))[9];
my $datesrc = "as of";
if(!$filedate) {
 # mxr.mozilla.org gave us a time, hg.mozilla.org does not!
 $filedate = time();
 $datesrc="downloaded on";
}
# get the hash from the download file
```

```
my $newhash= sha256($txt);
if(!$opt_f && $oldhash eq $newhash) {
 report "Downloaded file identical to previous run\'s source file. Exiting";
 if($opt_u && -e $txt && !unlink($txt)) {
    report "Failed to remove $txt: $!\n";
  }
 exit;
}
report "SHA256 of new file: $newhash";
my $currentdate = scalar gmtime($filedate);
my $format = $opt_t ? "plain text and " : "";
if($stdout
) {
 open(CRT, '> -') or die "Couldn't open STDOUT: $!\n";
} else {
 open(CRT,">$crt.~") or die "Couldn't open $crt.~: $!\n";
print CRT <<EOT;</pre>
## Bundle of CA Root Certificates
## Certificate data from Mozilla ${datesrc}: ${currentdate} GMT
## This is a bundle of X.509 certificates of public Certificate Authorities
## (CA). These were automatically extracted from Mozilla's root certificates
## file (certdata.txt). This file can be found in the mozilla source tree:
## ${url}
## It contains the certificates in ${format}PEM format and therefore
## can be directly used with curl / libcurl / php_curl, or with
## an Apache+mod_ssl webserver for SSL client authentication.
## Just configure this file as the SSLCACertificateFile.
##
## Conversion done with mk-ca-bundle.pl version $version.
## SHA256: $newhash
##
EOT
report "Processing '$txt' ...";
my $caname;
my $certnum = 0;
my $skipnum = 0;
my $start_of_cert = 0;
```

```
my @precert;
my $cka_value;
my $valid = 1;
open(TXT,"$txt")
  or die "Couldn't open $txt: $!\n";
while (<TXT>) {
  if (/\*\*\*\* BEGIN LICENSE BLOCK \*\*\*\*\/*/ {
       print CRT;
       print if ($opt_l);
       while (<TXT>) {
           print CRT;
           print if ($opt_l);
           last if (/\*\*\*\* END LICENSE BLOCK \*\*\*\*/);
  elsif (/^{\#} \ (Issuer | Serial \ Number | Subject | Not \ Valid \ Before | Not \ Valid \ After \ | Fingerprint \ \setminus (MD5 \setminus )| Fingerprint \ \setminus (MD5
\(SHA1\)):/) {
            push @precert, $_;
            valid = 1;
            next;
  elsif(/^#|^\s*$/) {
            undef @precert;
           next;
  chomp;
  # Example:
  # CKA_NSS_SERVER_DISTRUST_AFTER MULTILINE_OCTAL
  \# \062\060\060\066\061\067\060\060\060\060\060\060\132
  # END
  if (/^CKA_NSS_SERVER_DISTRUST_AFTER (CK_BBOOL CK_FALSE|MULTILINE_OCTAL)/) {
            if($1 eq "MULTILINE_OCTAL") {
                      my @timestamp;
                      while (<TXT>) {
                                last if (/^END/);
                                chomp;
                                my @octets = split(\langle \rangle);
                                shift @octets;
                                for (@octets) {
                                          push
  @timestamp, chr(oct);
                                }
                       }
                       # A trailing Z in the timestamp signifies UTC
                      if($timestamp[12] ne "Z") {
```

```
report "distrust date stamp is not using UTC";
    # Example date: 200617000000Z
    # Means 2020-06-17 00:00:00 UTC
    my $distrustat =
     timegm($timestamp[10] . $timestamp[11], # second
         $timestamp[8]. $timestamp[9], # minute
         $timestamp[6]. $timestamp[7], #hour
         $timestamp[4] . $timestamp[5], # day
         ($timestamp[2] . $timestamp[3]) - 1, # month
         "20" . $timestamp[0] . $timestamp[1]); # year
    if(time >= $distrustat) {
       # not trusted anymore
       $skipnum++;
      report "Skipping: $caname is not trusted anymore" if ($opt_v);
       valid = 0;
    }
    else {
      # still trusted
    }
  }
  next;
}
# this
is a match for the start of a certificate
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE/) {
 start_of_cert = 1
if ($start_of_cert && /^CKA_LABEL UTF8 \"(.*)\"/) {
 caname = $1;
my %trust_purposes_by_level;
if ($start_of_cert && /^CKA_VALUE MULTILINE_OCTAL/) {
 $cka_value="";
 while (<TXT>) {
 last if (/^END/);
  chomp;
  my @octets = split(\langle \rangle);
  shift @octets;
  for (@octets) {
   $cka_value .= chr(oct);
  }
 }
if(/^CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST/ && $valid) {
 # now scan the trust part to determine how we should trust this cert
 while (<TXT>) {
```

```
last if (/^#/);
  if (/^CKA\_TRUST\_([A-Z\_]+)\s+CK\_TRUST\s+CKT\_NSS\_([A-Z\_]+)\s*\$/) 
   if ( !is_in_list($1,@valid_mozilla_trust_purposes) ) {
    report "Warning: Unrecognized trust purpose for cert: $caname. Trust purpose: $1. Trust Level: $2";
   } elsif ( !is_in_list($2,@valid_mozilla_trust_levels) ) {
    report "Warning:
Unrecognized trust level for cert: $caname. Trust purpose: $1. Trust Level: $2";
    push @{$trust_purposes_by_level{$2}}, $1;
   }
  }
 }
if ( !should_output_cert(%trust_purposes_by_level) ) {
  $skipnum ++;
  report "Skipping: $caname" if ($opt_v);
 } else {
  my $data = $cka value;
  $cka_value = "";
  my $encoded = MIME::Base64::encode_base64($data, ");
  =  s/(.\{1, \{opt_w\}\})/\{1/n/g;
  my $pem = "----BEGIN CERTIFICATE----\n"
       . $encoded
       . "-----END CERTIFICATE-----\n";
  print CRT "\n$caname\n";
  print CRT @precert if($opt_m);
  my $maxStringLength = length(decode('UTF-8', $caname, Encode::FB_CROAK | Encode::LEAVE_SRC));
  if ($opt_t) {
   foreach my $key (keys %trust_purposes_by_level) {
     my $string = $key . ": " . join(", ", @{$trust_purposes_by_level{$key}});
     $maxStringLength = List::Util::max( length($string), $maxStringLength
);
     print CRT $string . "\n";
   }
  print CRT ("=" x $maxStringLength . "\n");
  if (!$opt_t) {
   print CRT $pem;
  } else {
   my $pipe = "";
   foreach my $hash (@included_signature_algorithms) {
    $pipe = "|$openssl x509 -" . $hash . " -fingerprint -noout -inform PEM";
    if (!$stdout) {
     $pipe .= " >> $crt.~";
     close(CRT) or die "Couldn't close $crt.~: $!";
    open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
    print TMP $pem;
```

```
close(TMP) or die "Couldn't close openssl pipe: $!";
     if (!$stdout) {
      open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
     }
    $pipe = "|$openssl x509 -text -inform PEM";
    if (!$stdout) {
     $pipe .= " >> $crt.~";
     close(CRT) or die "Couldn't close $crt.~: $!";
    open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
    print TMP
$pem;
    close(TMP) or die "Couldn't close openssl pipe: $!";
    if (!$stdout) {
     open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
    }
   report "Parsing: $caname" if ($opt_v);
   $certnum ++;
   $start_of_cert = 0;
  }
 undef @precert;
close(TXT) or die "Couldn't close $txt: $!\n";
close(CRT) or die "Couldn't close $crt.~: $!\n";
unless($stdout) {
 if ($opt_b && -e $crt) {
    my bk = 1;
    while (-e "$crt.~${bk}~") {
      $bk++;
    }
    rename $crt, "$crt.~${bk}~" or die "Failed to create backup $crt.~$bk}~: $!\n";
  } elsif( -e $crt ) {
    unlink( $crt ) or die "Failed to remove $crt: $!\n";
 rename "$crt.~", $crt or die "Failed to rename $crt.~ to $crt: $!\n";
if($opt_u && -e $txt && !unlink($txt)) {
report "Failed to remove $txt: $!\n";
report "Done ($certnum CA certs processed, $skipnum skipped).";
Found in path(s):
*/opt/cola/permits/1919538345_1710807720.5754924/0/ca-certificates-20230506-tar-bz2/ca-certificates-
20230506/mk-ca-bundle.pl
```

1.29 musl 1.2.5-r0

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Authors/contributors include:

A. Wilcox

Ada Worcester

Alex Dowad

Alex Suykov

Alexander Monakov

Andre McCurdy

Andrew Kelley

Anthony G. Basile

Aric Belsito

Arvid Picciani

Bartosz Brachaczek

Benjamin Peterson

Bobby Bingham

Boris Brezillon

Brent Cook

Chris Spiegel Clment Vasseur Daniel Micay Daniel Sabogal Daurnimator David Carlier David Edelsohn Denys Vlasenko **Dmitry Ivanov** Dmitry V. Levin Drew DeVault **Emil Renner Berthing** Fangrui Song Felix Fietkau Felix Janda Gianluca Anzolin Hauke Mehrtens He X Hiltjo Posthuma Isaac Dunham Jaydeep Patil Jens Gustedt Jeremy Huntwork Jo-Philipp Wich Joakim Sindholt John Spencer Julien Ramseier Justin Cormack Kaarle Ritvanen Khem Raj Kylie McClain Leah Neukirchen Luca Barbato Luka Perkov M Farkas-Dyck (Strake) Mahesh Bodapati Markus Wichmann Masanori Ogino Michael Clark Michael Forney Mikhail Kremnyov Natanael Copa

Natanael Copa
Nicholas J. Kain
orc
Pascal Cuoq
Patrick Oppenlander
Petr Hosek

Petr Skocik

Pierre Carrier

Reini Urban

Rich Felker

Richard Pennington

Ryan Fairfax

Samuel Holland

Segev Finer

Shiz

sin

Solar Designer

Stefan Kristiansson

Stefan O'Rear

Szabolcs Nagy

Timo Ters

Trutz Behn

Valentin Ochs

Will Dietz

William Haddon

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1.30 tre 1.2.5

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Drew DeVault

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Fangrui Song

Felix Fietkau

Felix Janda

Gianluca Anzolin

Hauke Mehrtens

He X

Hiltjo Posthuma

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Julien Ramseier

Justin Cormack

Kaarle Ritvanen

Khem Raj

Kylie McClain

Leah Neukirchen

Luca Barbato

Luka

Perkov

M Farkas-Dyck (Strake)

Mahesh Bodapati

Markus Wichmann

Masanori Ogino

Michael Clark

Michael Forney

Mikhail Kremnyov

Natanael Copa

Nicholas J. Kain

orc

Pascal Cuoq

Patrick Oppenlander

Petr Hosek

Petr Skocik

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Rich Felker

Richard Pennington

Ryan Fairfax

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1.31 zlib 1.3.1-r1

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```
# Automatically generated by apkbuild-cpan, template 3
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=9
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"
build() {
```

```
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
   PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL INSTALLDIRS=vendor
   make
 }
check() {
   export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
   make test
package() {
   make DESTDIR="$pkgdir" install
   find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
 }
sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f663ba417f665ba417f665ba417f665ba417f665ba417f665ba417f665ba417f6665ba417f665ba417f665ba417f665ba417f665ba417f6665ba417f6665ba417f6
8065ba65f4fea16dc9262728b3b6b85
     BSD-Resource-1.2911.tar.gz
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
  cdefs.h
   queue.h
   tree.h
builddir="$srcdir"
options="!check" # just headers
package() {
   mkdir -p "$pkgdir"
   install -Dm644 -t "$pkgdir"/usr/include/sys \
     cdefs.h queue.h tree.h
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2 f 0 d 5 e 6 e 4 d c 3 3 5 0 2 8 5 c f 1700 9 2 6 5 d d d c be 12431 c 111868 e e a 39 b c 8 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 21735 c 4 e 9 d 4 a 1 f d 106 a 8 f c 0 f 8 6 c b 0 38 a b 7 c 1 f 2 a c a c b b 2 f 2 a c a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c b 2 a c
 11ea33987d4faba37dde5ce6da0750 queue.h
 d9 a c 210 d 81 f e b 8 a d 2655 b c 80 f b 065 d 3 f e 20 a e 4417 b 32 b 4 a 1711 e 6738 a 4870140005 c 13373 b 5 d 1846 e f 3 c e 5 a e 6 d a 45 f 2 d a 6456 b c 80 f b 065 d 3 f e 20 a e 4417 b 32 b 4 a 1711 e 6738 a 4870140005 c 13373 b 5 d 1846 e f 3 c e 5 a e 6 d a 45 f 2 d a 6456 b c 80 f b 065 d 3 f e 20 a e 4417 b 32 b 4 a 1711 e 6738 a 4870140005 c 13373 b 5 d 1846 e f 3 c e 5 a e 6 d a 45 f 2 d a 6456 b c 80 f b 065 d 3 f e 20 a e 4417 b 32 b 4 a 1711 e 6738 a 4870140005 c 13373 b 5 d 1846 e f 3 c e 5 a e 6 d a 45 f 2 d a 6456 b c 80 f b 065 d 3 f e 20 a e 4417 b 32 b 4 a 1711 e 6738 a 4870140005 c 13373 b 5 d 1846 e f 3 c e 5 a e 6 d a 45 f 2 d a 6456 b c 80 f 2
```

```
cef 2092881 eded 0a 2e 94f 6a 07752 ef 3 \;\; tree.h
```

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95 http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright

pkgver=0.2.4

pkgrel=2

pkgdesc="Extension for flake8 which checks for copyrights"

options="!check" # No testsuite

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

license="MIT"

depends="py3-flake8 py3-setuptools"

makedepends="py3-gpep517 py3-wheel"

subpackages="\$pkgname-pyc"

source="https://files.pythonhosted.org/packages/source/\${_pkgname:0:1}/\$_pkgname/\$_pkgname-\$pkgver.tar.gz" builddir="\$srcdir"/\$_pkgname-\$pkgver

```
replaces="py-flake8-copyright"
                                     # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility
build() {
gpep517 build-wheel \
 --wheel-dir .dist \
 --output-fd 3 3>&1 >&2
}
package() {
gpep517 install-wheel --destdir "$pkgdir" \
 .dist/*.whl
}
sha512sums="
b316bd503ae7dceed6ca284ccd5a74d
 flake8-copyright-0.2.4.tar.gz
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
_types="html json rdfa rdfnt rdfturtle rdfxml template text"
for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
package() {
mkdir -p "$pkgdir"
}
_subpkg() {
local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname=$pkgver-r$pkgrel"
mkdir -p "$subpkgdir"/usr/share/spdx
```

```
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in "$builddir"/text/*.txt; do
 local
license=${i##*/}
 echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests
build() {
# some GNU autoconf options are ignored, but it works
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr \
 --sysconfdir=/etc \
 --mandir=/usr/share/man \
 --localstatedir=/var/lib # it really shouldn't be in /var
make
package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
```

sha512sums="

aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6 8d3390143e0e62d5e3d210ccfb61294

bsd-games-3.3.tar.gz

"

Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards (EMU Soundfont 2 Format)

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```
# Maintainer:
pkgname=cargo-license
pkgver=0.6.1
pkgrel=0
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"
prepare() {
default_prepare
cargo fetch --target="$CTARGET" --locked
build() {
cargo auditable build --release --frozen
}
check() {
cargo test --frozen
}
package() {
install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
mini_sendmail - accept email on behalf of real sendmail
Copyright 1999,2015 by Jef Poskanzer < jef@mail.acme.com>.
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```

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
builddir="$srcdir"/libart_lgpl-$pkgver
prepare() {
update_config_sub
default_prepare
}
build() {
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr
make
}
package() {
make DESTDIR="$pkgdir" install
}
```

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

```
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"
build() {
gpep517 build-wheel \
 --wheel-dir .dist \
 --output-fd 3 3>&1 >&2
}
check() {
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
}
package() {
python3 -m installer -d "$pkgdir" \
 .dist/*.whl
sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
 license-expression-30.3.0.tar.gz
```

1.32 apk-tools 2.14.4-r0

1.32.1 Available under license:

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- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on

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1.33 alpine-baselayout 3.6.5-r0

1.33.1 Available under license:

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
_types="html json rdfa rdfnt rdfturtle rdfxml template text"
for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
package() {
mkdir -p "$pkgdir"
_subpkg() {
local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname=$pkgver-r$pkgrel"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in "$builddir"/text/*.txt; do
 local
license=${i##*/}
 echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
```

```
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests
build() {
# some GNU autoconf options are ignored, but it works
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr \
 --sysconfdir=/etc \
 --mandir=/usr/share/man \
 --localstatedir=/var/lib # it really shouldn't be in /var
make
}
package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
 bsd-games-3.3.tar.gz
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
```

```
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$ pkgname-$pkgver"
build() {
gpep517 build-wheel \
 --wheel-dir .dist \
 --output-fd 3 3>&1 >&2
}
check() {
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
}
package() {
python3 -m installer -d "$pkgdir" \
 .dist/*.whl
sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
 license-expression-30.3.0.tar.gz
MIT License
```

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste < cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"
build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
 INSTALLDIRS=vendor \
 NO PACKLIST=1 \
 NO_PERLLOCAL=1
make
check() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make test
}
package() {
make DESTDIR="$pkgdir" install
sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
 BSD-Resource-1.2911.tar.gz
Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards
(EMU Soundfont 2 Format)
```

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http://www.geocities.com/SiliconValley/Campus/8645/index.html
http://members.nbci.com/silicon39/
http://www.mp3.com/silicon39
https://analoguesque.x10host.com/
mini_sendmail - accept email on behalf of real sendmail

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Maintainer: Natanael Copa <ncopa@alpinelinux.org> pkgname=libart-lgpl pkgver=2.3.21 pkgrel=8

```
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
builddir="$srcdir"/libart_lgpl-$pkgver
prepare() {
update_config_sub
default_prepare
build() {
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr
make
}
package() {
make DESTDIR="$pkgdir" install
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Automatically generated by apkbuild-cpan, template 3
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=9
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"
```

```
build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL INSTALLDIRS=vendor
make
}
check() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make test
}
package() {
make DESTDIR="$pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
 BSD-Resource-1.2911.tar.gz
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
cdefs.h
queue.h
tree.h
builddir="$srcdir"
options="!check" # just headers
package() {
mkdir -p "$pkgdir"
install -Dm644 -t "$pkgdir"/usr/include/sys \
cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
11ea33987d4faba37dde5ce6da0750 queue.h
```

 $d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2dacef2092881eded0a2e94f6a07752ef3 \ tree.h$

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95 http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

Contributor: Fabian Affolter <fabian@affolter-engineering.ch>

Maintainer: Fabian Affolter < fabian@affolter-engineering.ch>

pkgname=py3-flake8-copyright

_pkgname=flake8-copyright

pkgver=0.2.4

pkgrel=3

pkgdesc="Extension for flake8 which checks for copyrights"

options="!check" # No testsuite

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

license="MIT"

depends="py3-flake8 py3-setuptools"

makedepends="py3-gpep517 py3-wheel"

subpackages="\$pkgname-pyc"

source="https://files.pythonhosted.org/packages/source/\${_pkgname:0:1}/\$_pkgname/\$_pkgname-\$pkgver.tar.gz"

builddir="\$srcdir"/\$_pkgname-\$pkgver

```
replaces="py-flake8-copyright"
                                    # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility
build() {
gpep517 build-wheel \
--wheel-dir .dist \
--output-fd 3 3>&1 >&2
package() {
gpep517 install-wheel --destdir "$pkgdir" \
.dist/*.whl
}
sha512sums="
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"
prepare() {
default_prepare
cargo fetch --target="$CTARGET" --locked
}
build() {
cargo auditable build --release --frozen
check() {
cargo test --frozen
}
package() {
install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}
```

```
sha512sums=" 36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00 272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz "
```

1.34 busybox 1.36.1-r28

1.34.1 Available under license:

```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
builddir="$srcdir"
options="!check" # just headers
package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2daa447b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa45f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2daa5f2
cef2092881eded0a2e94f6a07752ef3 tree.h
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The Kohonen neural network code for color optimization was written by Anthony Dekker.

```
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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick@labri.ubordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95 http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
_types="html json rdfa rdfnt rdfturtle rdfxml template text"
for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
package() {
mkdir -p "$pkgdir"
}
_subpkg() {
```

local type=\${subpkgname/\$pkgname-/}

pkgdesc="\$pkgdesc (\$type)"

```
install_if="$pkgname=$pkgver-r$pkgrel"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in "$builddir"/text/*.txt; do
 local
license=${i##*/}
 echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}
sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests
build() {
# some GNU autoconf options are ignored, but it works
./configure \
 --build=CBUILD \setminus
 --host=$CHOST \
 --prefix=/usr \
 --sysconfdir=/etc \
 --mandir=/usr/share/man \
 --localstatedir=/var/lib # it really shouldn't be in /var
make
}
package() {
make DESTDIR="$pkgdir" install
```

```
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}
sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
 bsd-games-3.3.tar.gz
# Contributor: Fabian Affolter < fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter < fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver
replaces="py-flake8-copyright"
                                    # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility
build() {
gpep517 build-wheel \
--wheel-dir .dist \
 --output-fd 3 3>&1 >&2
package() {
gpep517 install-wheel --destdir "$pkgdir" \
 .dist/*.whl
}
sha512sums="
b316bd503ae7dceed6ca284ccd5a74d
 flake8-copyright-0.2.4.tar.gz
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
```

```
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"
prepare() {
default_prepare
cargo fetch --target="$CTARGET" --locked
build() {
cargo auditable build --release --frozen
}
check() {
cargo test --frozen
}
package() {
install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"
build() {
gpep517 build-wheel \
```

```
--wheel-dir .dist \
 --output-fd 3 3>&1 >&2
check() {
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
package() {
python3 -m installer -d "$pkgdir" \
 .dist/*.whl
}
sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
 license-expression-30.3.0.tar.gz
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http://members.nbci.com/silicon39/
http://www.mp3.com/silicon39
https://analoguesque.x10host.com/
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste < cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
```

```
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"
build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
 INSTALLDIRS=vendor \
 NO_PACKLIST=1 \
 NO_PERLLOCAL=1
make
}
check() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make test
package() {
make DESTDIR="$pkgdir" install
}
sha512sums="
8065ba65f4fea16dc9262728b3b6b85
 BSD-Resource-1.2911.tar.gz
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```

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mini_sendmail - accept email on behalf of real sendmail

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"
```

builddir="\$srcdir"/libart_lgpl-\$pkgver

```
prepare() {
  update_config_sub
  default_prepare
}
build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}
package() {
  make DESTDIR="$pkgdir" install
}
```

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

1.35 busybox 1.36.1-r29

1.35.1 Available under license:

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Julian Seward, Cambridge, UK. jseward@bzip.org bzip2/libbzip2 version 1.0.4 of 20 December 2006 --- A note on GPL versions

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