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X-dock

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Components

acl 2.2.52

Utilities for managing POSIX Access Control Lists

Homepage: <http://savannah.nongnu.org/projects/acl/>

License: LGPLv2.1+ & GPLv2+

at91bootstrap 3.9.0

Initial bootstrap for AT91 ARM MPUs

Homepage: <http://www.at91.com/linux4sam/bin/view/Linux4SAM/AT91Bootstrap>

License: ATMEL

Copyright 2006 Atmel Corporation

at91bootstrap-sam-ba 3.9.0

Initial bootstrap for AT91 ARM MPUs

Homepage: <http://www.at91.com/linux4sam/bin/view/Linux4SAM/AT91Bootstrap>

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attr 2.4.47

Utilities for manipulating filesystem extended attributes

Homepage: <http://savannah.nongnu.org/projects/attr/>

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autoconf-archive 2019.01.06

a collection of freely re-usable Autoconf macros

Homepage: <http://www.gnu.org/software/autoconf-archive/>

License: GPL-3.0-with-autoconf-exception

base-files 3.0.14

Miscellaneous files for the base system

Homepage:
License: GPLv2

base-passwd 3.5.29

Base system master password/group files
Homepage:
License: GPLv2+

bash 5.0

An sh-compatible command language interpreter
Homepage: <http://tiswww.case.edu/php/chet/bash/bashtop.html>
License: GPLv3+

bash-completion 2.9

Programmable Completion for Bash 4
Homepage: <http://bash-completion.alioth.debian.org/>
License: GPLv2

bc 1.07.1

Arbitrary precision calculator language
Homepage: <http://www.gnu.org/software/bc/bc.html>
License: GPLv3+
Copyright 1991-1994, 1997, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
Copyright 1994, 1997, 1998, 2008 Free Software Foundation, Inc.
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binutils-cross-arm 2.32.0

License: GPLv3

binutils-cross-canadian-arm 2.32.0

License: GPLv3

binutils-crosssdk-x86_64-pokysdk-linux 2.32.0

License: GPLv3

bluez5 5.50

Linux Bluetooth Stack Userland V5

Homepage: <http://www.bluez.org>

License: GPLv2+ & LGPLv2.1+

Copyright 2000-2001 Qualcomm Incorporated

Copyright 2002-2003 Maxim Krasnyansky

Copyright 2002-2010 Marcel Holtmann

bridge-utils 1.6

Tools for ethernet bridging

Homepage: <http://www.linuxfoundation.org/collaborate/workgroups/networking/bridge>

License: GPLv2

btrfs-tools 5.2.2

Checksumming Copy on Write Filesystem utilities

Homepage: <https://btrfs.wiki.kernel.org>

License: GPLv2

busybox 1.31.0

Tiny versions of many common UNIX utilities in a single small executable

Homepage: <https://www.busybox.net>

License: GPLv2 & bzip2

Copyright 1989, 1991 Free Software Foundation, Inc.

bzip2 1.0.8

Very high-quality data compression program

Homepage: <https://sourceware.org/bzip2/>

License: bzip2

Copyright 1996-2019 Julian R Seward

ca-certificates

Common CA certificates

Homepage: <http://packages.debian.org/sid/ca-certificates>

License: GPL-2.0+ & MPL-2.0

coreutils 8.31

The basic file, shell and text manipulation utilities

Homepage: <http://www.gnu.org/software/coreutils/>

License: GPLv3+

Copyright 1985-2019 Free Software Foundation, Inc.

cpplint 1.3.0

CPPLint - a static code analyzer for C/C++

Homepage: <https://github.com/cpplint/cpplint>

License: BSD-3-Clause

Copyright 2009 Google Inc.

cpputest 3.8

License: BSD

cppzmq 4.4.1

Homepage: <http://www.zeromq.org>

License: MIT

cracklib 2.9.5

Password strength checker library

Homepage: <http://sourceforge.net/projects/cracklib>

License: LGPLv2.1+

cronie 1.5.4

Cron daemon for executing programs at set times

Homepage: <https://github.com/cronie-crond/cronie/>

License: ISC & BSD-3-Clause & BSD-2-Clause & GPLv2+

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cups 2.2.12

An Internet printing system for Unix
Homepage: <https://www.cups.org/>
License: GPLv2 & LGPLv2
Copyright 2007-2016 Apple Inc.
Copyright 2006 Jelmer Vernooij

cups-filters 1.22.3

Homepage: <http://www.linuxfoundation.org/collaborate/workgroups/openprinting/cups-filters>
License: GPLv2 & LGPLv2 & MIT & GPLv2+ & GPLv3 & BSD-4-clause

db 5.3.28

Berkeley Database v5
Homepage: <https://www.oracle.com/database/technologies/related/berkeleydb.html>
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Copyright 1995, 1996 The President and Fellows of Harvard University
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dbus 1.12.16

D-Bus message bus
Homepage: <https://dbus.freedesktop.org>
License: AFL-2.1 | GPLv2+

dbus-glib 0.110

High level language (GLib) binding for D-Bus
Homepage: <https://www.freedesktop.org/Software/dbus>

License: AFL-2.1 | GPLv2+

dbus-test 1.12.16

D-Bus test package (for D-bus functionality testing only)

Homepage: <http://dbus.freedesktop.org>

License: AFL-2.1 | GPLv2+

depmodwrapper-cross 1.0

Wrapper script for the Linux kernel module dependency indexer

Homepage:

License: MIT

devmem2 1.0

Simple program to read/write from/to any location in memory

Homepage:

License: GPLv2+

Copyright 2000 Jan-Derk Bakker

dhcpcd 8.0.2

dhcpcd - a DHCP client

Homepage: <http://roy.marples.name/projects/dhcpcd/>

License: BSD-2-Clause

Copyright 2006-2019 Roy Marples

diffutils 3.7

Diffutils contains tools used for finding differences between files

Homepage: <https://www.gnu.org/software/diffutils/diffutils.html>

License: GPLv3+

dos2unix 7.4.0

Convert text file line endings between CRLF and LF

Homepage: <http://waterlan.home.xs4all.nl/dos2unix.html>

License: BSD-2-Clause

[dosfstools 4.1](#)

DOS FAT Filesystem Utilities

Homepage: <https://github.com/dosfstools/dosfstools>

License: GPLv3

[doxygen 1.8.15](#)

Homepage: <http://www.doxygen.org/>

License: GPL-2.0

[dropbear 2019.78](#)

A lightweight SSH and SCP implementation

Homepage: <http://matt.ucc.asn.au/dropbear/dropbear.html>

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Copyright 1997-2003 Simon Tatham

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[e2fsprogs 1.45.3](#)

Ext2 Filesystem Utilities

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

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[eudev 3.2.8](#)

eudev is a fork of systemd's udev

Homepage: <https://wiki.gentoo.org/wiki/Eudev>

License: GPLv2.0+ & LGPL-2.1+

[flex 2.6.0](#)

Flex (The Fast Lexical Analyzer)

Homepage: <http://sourceforge.net/projects/flex/>

License: BSD

[gawk 5.0.1](#)

GNU awk text processing utility

Homepage: <https://www.gnu.org/software/gawk/>

License: GPLv3

[gcc-cross-arm 9.2.0](#)

License: GPL-3.0-with-GCC-exception & GPLv3

[gcc-cross-canadian-arm 9.2.0](#)

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[gcc-runtime 9.2.0](#)

Runtime libraries from GCC

Homepage: <http://www.gnu.org/software/gcc/>

License: GPL-3.0-with-GCC-exception

[gdbm 1.18.1](#)

Key/value database library with extensible hashing

Homepage: <http://www.gnu.org/software/gdbm/>

License: GPLv3

[glib-2.0 2.60.7](#)

A general-purpose utility library

Homepage: <https://developer.gnome.org/glib/>

License: LGPLv2.1+ & BSD & PD

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[glibc 2.30](#)

GLIBC (GNU C Library)

Homepage: <http://www.gnu.org/software/libc/libc.html>

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[glibc-locale 2.30](#)

Locale data from glibc

Homepage: <http://www.gnu.org/software/libc/libc.html>

License: GPLv2 & LGPLv2.1

[gmp 6.1.2](#)

GNU multiprecision arithmetic library

Homepage: <http://gmplib.org/>

License: GPLv2+ | LGPLv3+

[gnome-desktop-testing 2018.1](#)

Test runner for GNOME-style installed tests

Homepage: <https://wiki.gnome.org/GnomeGoals/InstalledTests>

License: LGPLv2+

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gnutls 3.6.13

GNU Transport Layer Security Library
Homepage: <http://www.gnu.org/software/gnutls/>
License: GPLv3+ & LGPLv2.1+

gobject-introspection 1.60.2

Middleware layer between GObject-using C libraries and language bindings
Homepage: <https://wiki.gnome.org/action/show/Projects/GObjectIntrospection>
License: LGPLv2+ & GPLv2+
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Copyright 2008 Johan Dahlin

googletest 1.10

Homepage: <https://github.com/google/googletest>
License: BSD-3-Clause
Copyright 2008 Google Inc.

grep 3.3

GNU grep utility
Homepage: <http://savannah.gnu.org/projects/grep/>
License: GPLv3

i2c-tools 4.1

Set of i2c tools for linux
Homepage: https://i2c.wiki.kernel.org/index.php/I2C_Tools
License: GPLv2+

icu 64.2

International Component for Unicode libraries

Homepage: <http://site.icu-project.org/>

License: ICU

Copyright 1991-2019 Unicode, Inc.

Copyright 1995-2016 International Business Machines Corporation and others

Copyright 2006-2008 Google Inc.

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init-ifupdown 1.0

Basic TCP/IP networking init scripts and configuration files

Homepage: <http://packages.debian.org/ifupdown>

License: GPLv2

initscripts 1.0

SysV init scripts

Homepage: <https://github.com/fedora-sysv/initscripts>

License: GPLv2

ipp-usb 0.9.23

License: BSD-2-clause

Copyright 2020 Alexander Pevzner

iproute2 5.2.0

TCP / IP networking and traffic control utilities

Homepage: <http://www.linuxfoundation.org/collaborate/workgroups/networking/iproute2>

License: GPLv2+

iptables 1.8.3

Tools for managing kernel packet filtering capabilities

Homepage: <http://www.netfilter.org/>

License: GPLv2+

kmod 26

Tools for managing Linux kernel modules

Homepage: <http://packages.profusion.mobi/kmod/>

License: GPL-2.0+ & LGPL-2.1+

libcap 2.27

Library for getting/setting POSIX.1e capabilities

Homepage: <http://sites.google.com/site/fullycapable/>

License: BSD | GPLv2

libcap-ng 0.7.9

An alternate posix capabilities library

Homepage: <http://freecode.com/projects/libcap-ng>

License: GPLv2+ & LGPLv2.1+

libdaemon 0.14

Lightweight C library which eases the writing of UNIX daemons

Homepage: <http://0pointer.de/lennart/projects/libdaemon/>

License: LGPLv2.1+

libdate 3.0.1

License: MIT

libevent 2.1.11

An asynchronous event notification library

Homepage: <http://libevent.org/>

License: BSD & MIT

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Copyright 1996 David Mazieres

Copyright 2008 Damien Miller

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libffi 3.3

A portable foreign function interface library

Homepage: <http://sourceware.org/libffi/>

License: MIT

Copyright 1996-2014 Anthony Green, Red Hat, Inc and others

libgcc 9.2.0

GNU cc and gcc C compilers

Homepage: <http://www.gnu.org/software/gcc/>

License: GPL-3.0-with-GCC-exception & GPLv3

libgcc-initial 9.2.0

GNU cc and gcc C compilers

Homepage: <http://www.gnu.org/software/gcc/>

License: GPL-3.0-with-GCC-exception

libgcrypt 1.8.4

General purpose cryptographic library based on the code from GnuPG

Homepage: <http://directory.fsf.org/project/libgcrypt/>

License: GPLv2+ & LGPLv2.1+ & GPLv3+

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Copyright 2013 Stephan Mueller
Copyright 1994 X Consortium

libgpg-error 1.36

Small library that defines common error values for all GnuPG components
Homepage: http://www.gnupg.org/related_software/libgpg-error/
License: GPLv2+ & LGPLv2.1+
Copyright 2001-2019 g10 Code GmbH
Copyright 2005, 2010 g10 Code GmbH

libical 3.0.6

iCal and scheduling (RFC 2445, 2446, 2447) library
Homepage: <https://github.com/libical/libical>
License: LGPLv2.1 | MPL-2.0
Copyright 2010-2017 Klarälvdalens Datakonsult AB

libidn2 2.2.0

Internationalized Domain Name support library
Homepage: <http://www.gnu.org/software/libidn/>
License: (GPLv2+ | LGPLv3) & GPLv3+
Copyright 2011-2019 Simon Josefsson, Tim Ruehsen
Copyright 2011-2017 Simon Josefsson

libmnl 1.0.4

Minimalistic user-space Netlink utility library
Homepage: <https://www.netfilter.org/projects/libmnl/index.html>
License: LGPLv2.1+

libnsl2 1.2.0

Library containing NIS functions using TI-RPC (IPv6 enabled)
Homepage: <https://github.com/thkukuk/libnsl>
License: LGPL-2.1

libnss-mdns 0.10

Name Service Switch module for Multicast DNS (zeroconf) name resolution

Homepage: <http://0pointer.de/lennart/projects/nss-mdns/>

License: LGPLv2.1+

libpam 1.3.1

Linux-PAM (Pluggable Authentication Modules)

Homepage: <https://fedorahosted.org/linux-pam/>

License: GPLv2+ | BSD

libpcre 8.43

Perl Compatible Regular Expressions

Homepage: <http://www.pcre.org>

License: BSD

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libtirpc 1.1.4

Transport-Independent RPC library

Homepage: <http://sourceforge.net/projects/libtirpc/>

License: BSD

Copyright 2009 Sun Microsystems, Inc.

libtool 2.4.6

Generic library support script

Homepage: <http://www.gnu.org/software/libtool/libtool.html>

License: GPLv2 & LGPLv2.1

libtool-cross 2.4.6

Generic library support script

Homepage: <http://www.gnu.org/software/libtool/libtool.html>

License: GPLv2 & LGPLv2.1

libunistring 0.9.10

Library for manipulating C and Unicode strings

Homepage: <http://www.gnu.org/software/libunistring/>

License: LGPLv3+ | GPLv2

Copyright 2001-2018 Free Software Foundation, Inc.

liburcu 0.11.1

Userspace RCU (read-copy-update) library

Homepage: <http://lttng.org/urcu>

License: LGPLv2.1+ & MIT-style

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libusb1 1.0.22

Userspace library to access USB (version 1.0)

Homepage: <http://libusb.sf.net>

License: LGPLv2.1+

libxcrypt 4.4.8

Extended cryptographic library (from glibc)

Homepage: <https://github.com/besser82/libxcrypt>

License: LGPLv2.1

libxml2 2.9.9

XML C Parser Library and Toolkit

Homepage: <http://www.xmlsoft.org/>

License: MIT

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[linux-at91 4.4.302-ci](#)

Linux kernel for Atmel ARM SoCs (aka AT91)

Homepage:

License: GPLv2

[linux-libc-headers 5.2](#)

Sanitized set of kernel headers for the C library's use

Homepage:

License: GPLv2

[logrotate 3.15.1](#)

Rotates, compresses, removes and mails system log files

Homepage: <https://github.com/logrotate/logrotate/issues>

License: GPLv2

[lttng-ust 2.10.5](#)

Linux Trace Toolkit Userspace Tracer 2.x

Homepage: <http://lttng.org/ust>

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[lzo 2.10](#)

Lossless data compression library

Homepage: <http://www.oberhumer.com/opensource/lzo/>

License: GPLv2+

Copyright 1996-2017 Markus Franz Xavier Johannes Oberhumer

[m4 1.4.18](#)

Traditional Unix macro processor

Homepage: <https://www.gnu.org/software/m4/m4.html>

License: GPLv3

make 4.2.1

GNU tool that controls the build process

Homepage: <http://www.gnu.org/software/make/>

License: GPLv3 & LGPLv2

mdadm 4.1

Tool for managing software RAID under Linux

Homepage: <http://www.kernel.org/pub/linux/utils/raid/mdadm/>

License: GPLv2 & GPLv2+

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modutils-initscripts 1.0

Initscript for auto-loading kernel modules on boot

Homepage:

License: PD

mtd-utils 2.1.1

Tools for managing memory technology devices

Homepage: <http://www.linux-mtd.infradead.org/>

License: GPLv2+

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ncurses 6.1+

The New Curses library

Homepage: <http://www.gnu.org/software/ncurses/ncurses.html>

License: MIT

Copyright 1999-2004,2005 Free Software Foundation, Inc.

netbase 5.6

Basic TCP/IP networking support

Homepage: <http://packages.debian.org/netbase>

License: GPLv2

nettle 3.5.1

A low level cryptographic library

Homepage: <http://www.lysator.liu.se/~nisse/nettle/>

License: LGPLv3+ | GPLv2+

openssh 8.0

A suite of security-related network utilities based on the SSH protocol including the ssh client and sshd server

Homepage: <http://www.openssh.com/>

License: BSD & ISC & MIT

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opkg-utils 0.4.2

Additional utilities for the opkg package manager

Homepage: <http://git.yoctoproject.org/cgit/cgit.cgi/opkg-utils>

License: GPLv2+

Copyright 2001 Alexander S. Guy, Andern Research Labs

parted 3.2

Disk partition editing/resizing utility

Homepage: <http://www.gnu.org/software/parted/parted.html>

License: GPLv3+

perl 5.30.1

Perl scripting language

Homepage: <http://www.perl.org/>

License: Artistic-1.0 | GPL-1.0+

[pixman 0.38.4](#)

Pixman: Pixel Manipulation library

Homepage: <http://www.x.org>

License: MIT & MIT-style & PD

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[pm-utils 1.4.1](#)

Utilities and scripts for power management

Homepage: <http://pm-utils.freedesktop.org/wiki/>

License: GPLv2

Copyright 2006 Red Hat, Inc.

[pointercal 0.0](#)

Touchscreen calibration data

Homepage:

License: MIT

[popt 1.16](#)

Library for parsing command line options

Homepage: <http://rpm5.org/>

License: MIT

[pps-tools 1.0.2](#)

User-space tools for LinuxPPS

Homepage: <http://linuxpps.org>

License: GPLv2

[procps 3.3.15](#)

System and process monitoring utilities

Homepage: <https://gitlab.com/procps-ng/procps>

License: GPLv2+ & LGPLv2+

psplash 0.1

Userspace framebuffer boot logo based on usplash

Homepage: <http://git.yoctoproject.org/cgit/cgit.cgi/psplash>

License: GPLv2+

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ptest-runner 2.3.2

A C program to run all installed ptests

Homepage: <http://git.yoctoproject.org/cgit/cgit.cgi/ptest-runner2/about/>

License: GPLv2

python 2.7.18

The Python Programming Language

Homepage: <http://www.python.org>

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python-setuptools 41.2.0

Download, build, install, upgrade, and uninstall Python packages

Homepage: <https://pypi.python.org/pypi/setuptools>

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python3 3.7.8

The Python Programming Language

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[python3-dbus 1.2.12](#)

Python bindings for the DBus inter-process communication system

Homepage: <http://www.freedesktop.org/Software/dbus>

License: MIT

[python3-pyobject 3.34.0](#)

Python GObject bindings

Homepage:

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[qemuwrapper-cross 1.0](#)

QEMU wrapper script

Homepage: <http://qemu.org>

License: MIT

[qpdf 8.4.0](#)

Homepage: <http://qpdf.sourceforge.net>

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[qt4-embedded 4.8.7](#)

Cross-platform UI toolkit and application framework (framebuffer version)

Homepage: <http://qt-project.org/>

License: LGPLv2.1 | GPLv3

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[readline 8.0](#)

Library for editing typed command lines

Homepage: <https://cnswww.cns.cwru.edu/php/chet/readline/rltop.html>

License: GPLv3+

rng-tools 6.7

Random number generator daemon

Homepage: <https://github.com/nhorman/rng-tools>

License: GPLv2

rsync 3.1.3

File synchronization tool

Homepage: <http://rsync.samba.org/>

License: GPLv3+

run-postinsts 1.0

Runs postinstall scripts on first boot of the target device

Homepage:

License: MIT

sed 4.2.2

Stream EDitor (text filtering utility)

Homepage: <http://www.gnu.org/software/sed/>

License: GPLv3+

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setserial 2.17

Controls the configuration of serial ports

Homepage: <http://setserial.sourceforge.net>

License: GPLv2.0

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shadow 4.6

Tools to change and administer password and group data

Homepage: <http://pkg-shadow.alioth.debian.org>

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[shadow-securetty 4.6](#)

Provider of the machine specific securetty file

Homepage:

License: MIT

[shadow-sysroot 4.6](#)

Shadow utils requirements for useradd.bbclass

Homepage: <http://pkg-shadow.alioth.debian.org>

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[shared-mime-info 1.10](#)

Shared MIME type database and specification

Homepage: <http://freedesktop.org/wiki/Software/shared-mime-info>

License: GPLv2

[socat 1.7.3.3](#)

Multipurpose relay for bidirectional data transfer

Homepage: <http://www.dest-unreach.org/socat/>

License: GPL-2.0-with-OpenSSL-exception

[strace 5.3](#)

System call tracing tool

Homepage: <http://strace.io>

License: LGPL-2.1+ & GPL-2+

[sudo 1.8.27](#)

Provide limited super user privileges to specific users

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[sysfsutils 2.1.0](#)

Tools for working with sysfs

Homepage: <http://linux-diag.sourceforge.net/Sysfsutils.html>

License: GPLv2 & LGPLv2.1

[syslog-ng 3.19.1](#)

Alternative system logger daemon

Homepage: <http://www.balabit.com/network-security/syslog-ng/opensource-logging-system>

License: GPLv2 & LGPLv2.1

[sysvinit 2.88dsf](#)

System-V like init

Homepage: <http://savannah.nongnu.org/projects/sysvinit/>

License: GPLv2+

[sysvinit-inittab 2.88dsf](#)

Inittab configuration for SysVinit

Homepage:

License: GPLv2

[tcl 8.6.9](#)

Tool Command Language

Homepage: <http://tcl.sourceforge.net>

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[tcp-wrappers 7.6](#)

Security tool that is a wrapper for TCP daemons

Homepage: http://www.softpanorama.org/Net/Network_security/TCP_wrappers/

License: BSD

[tiff 4.0.10](#)

Provides support for the Tag Image File Format (TIFF)

Homepage:

License: BSD-2-Clause

tslib 1.16

An abstraction layer for touchscreen panel events

Homepage: <http://tslib.org/>

License: LGPLv2+ & GPLv2+

tzdata 2021e

Timezone data

Homepage: <http://www.iana.org/time-zones>

License: PD & BSD & BSD-3-Clause

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u-boot-at91 v2019.04-at91

Homepage: <http://www.denx.de/wiki/U-Boot/WebHome>

License: GPLv2+

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u-boot-fw-utils 2019.07

U-Boot bootloader fw_printenv/setenv utilities

Homepage: <http://www.denx.de/wiki/U-Boot/WebHome>

License: GPLv2+

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udev-extraconf 1.1

Extra machine specific configuration files

Homepage: <https://wiki.gentoo.org/wiki/Eudev>

License: MIT

unzip 6.0

Utilities for extracting and viewing files in .zip archives

Homepage: <http://www.info-zip.org>

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update-rc.d 0.8

manage symlinks in /etc/rcN.d

Homepage: <http://github.com/philb/update-rc.d/>

License: GPLv2+

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usbutils 012

Host side USB console utilities

Homepage: <http://www.linux-usb.org>

License: GPLv2+ & (GPLv2 | GPLv3)

util-linux 2.34

A suite of basic system administration utilities

Homepage: <http://userweb.kernel.org/~kzak/util-linux/>

License: GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4-Clause

util-macros 1.19.2

X autotools macros

Homepage: <http://www.x.org>

License: MIT & MIT-style

vlan 1.9

VLAN provides vconfig utility

Homepage: <http://www.candelatech.com/~greear/vlan.html>

License: GPLv2

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which 2.21

Displays the full path of shell commands

Homepage: <http://carlo17.home.xs4all.nl/which/>

License: GPLv3+

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[x-dock-fonts 1.0](#)

License: GPLv2 & OFL-1.1

[xinetd 2.3.15](#)

Socket-based service activation daemon

Homepage: <https://github.com/xinetd-org/xinetd>

License: BSD

[xz 5.2.4](#)

Utilities for managing LZMA compressed files

Homepage: <https://tukaani.org/xz/>

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```
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```

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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision` (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

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

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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 for everyone's free use or not licensed at all.

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.

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

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

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

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

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

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

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

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- 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

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signature of Ty Coon, 1 April 1990

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LGPLv2

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Version 2.1, February 1999

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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.

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bzip2

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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