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EULA OPEN SOURCE SOFTWARE DISCLOSURE FOR THE ANDROID APP

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Horizon Wimba JSpeex
Description: Android audio de/encoder
https://github.com/SourceUtils/jspeex
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Copyright © 2002 Jean-March Valin

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Date: 22nd April 2003

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Polidea RxAndroidBle
Description: Android bluetooth helper
https://github.com/Polidea/RxAndroidBle
Copyright © 2016 Polidea Sp. z o.o
License: Apache License 2.0 (see below)

Android Support Libraries v7
Description: Android support libraries
https://developer.android.com/topic/libraries/support-library/packages#v7
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v7 CardView
Description: Android card view UI
https://developer.android.com/guide/topics/ui/layout/cardview
Copyright (C) 2015 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v7 Design Support Library
Description: Android design tools
https://developer.android.com/topic/libraries/support-library/features
EventBus
Description: Android event bus
https://github.com/greenrobot/EventBus
Copyright (C) 2012-2017 Markus Junginger, greenrobot (http://greenrobot.org)
License: Apache License 2.0 (see below)

Retrofit
Description: Android HTTP communicator
https://github.com/square/retrofit
Copyright 2013 Square, Inc.
License: Apache License 2.0 (see below)

Gson Converter
Description: Android HTTP communicator
https://github.com/square/retrofit/tree/master/retrofit-converters/gson
Copyright 2013 Square, Inc.
License: Apache License 2.0 (see below)

RxAndroidble
Description: Android HTTP communicator
https://github.com/Polidea/RxAndroidBle
Copyright 2016 Polidea Sp. z o.o
License: Apache License 2.0 (see below)

RxRelay
Description: Android HTTP helper
https://github.com/JakeWharton/RxRelay
Copyright 2014 Netflix, Inc.
Copyright 2015 Jake Wharton
License: Apache License 2.0 (see below)

google-gson
Description: Android JSON (de) serializer
https://github.com/google/gson
Copyright 2008 Google Inc.
License: Apache License 2.0 (see below)

Ultimately minimal (yet very convenient) logger for Android and Java
Description: Log is a super-simple drop-in replacement for android.util.Log that can also be used in normal Java projects.
https://github.com/zserge/log
Copyright (c) 2015 zserge
License: MIT (see below)

Logging Interceptor
Description: Android logging helper
https://github.com/square/okhttp/tree/master/okhttp-logging-interceptor
Copyright 2016 Square, Inc.
License: Apache License 2.0 (see below)

PinEntryView
Description: Android pin entry
https://github.com/Philio/PinEntryView
Copyright 2014-2015 Phil Bayfield
License: Apache License 2.0 (see below)

QRGen
Description: Android QR code generator
https://github.com/kenglxn/QRGen
License: Apache License 2.0 (see below)

Android Support Libraries v7 recyclerview library
Description: Android recycler view UI
https://developer.android.com/topic/libraries/support-library/features
Copyright (C) 2015 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v7 appcompat library
Description: Android support compatibility
https://developer.android.com/topic/libraries/support-library/features
Copyright (C) 2015 The Android Open Source Project
License: Apache License 2.0 (see below)
Butter Knife Compiler
Description: Android UI Help
https://github.com/JakeWharton/butterknife/tree/master/butterknife-compiler
Copyright 2013 Jake Wharton
License: Apache License 2.0 (see below)

Butter Knife
Description: Android UI Help
https://github.com/JakeWharton/butterknife
Copyright 2013 Jake Wharton
License: Apache License 2.0 (see below)

Android flow layout
Description: Android UI Help
https://github.com/ApmeM/android-flowlayout
Copyright 2011, Artem Votincev (apmem.org)
License: Apache License 2.0 (see below)

MaterialProgressBar
Description: Android UI Help
https://github.com/DreaminginCodeZH/MaterialProgressBar
Copyright 2015 Hai Zhang
License: Apache License 2.0 (see below)

MaterialEditText
Description: Android UI Help
https://github.com/rengwuxian/MaterialEditText
Copyright 2014 rengwuxian
License: Apache License 2.0 (see below)

JSR-330
Description: Dependency Injection for Java
https://github.com/javax-inject/javax-inject
Copyright (C) 2009 The JSR-330 Expert Group
License: Apache License 2.0 (see below)

Socket.IO-client Java
Description: Full-featured Socket.IO Client Library for Java, which is compatible with Socket.IO v1.0 and later.
https://github.com/socketio/socket.io-client-java
Copyright (c) 2013 Naoyuki Kanezawa
License: MIT (see below)

RxJava
Description: RxJava – Reactive Extensions for the JVM – a library for composing asynchronous and event-based programs using observable sequences for the Java VM.
https://github.com/ReactiveX/RxJava
Copyright (c) 2016-present, RxJava Contributors.
License: Apache License 2.0 (see below)

Commons Lang
Description: The standard Java libraries fail to provide enough methods for manipulation of its core classes. Apache Commons Lang provides these extra methods.
https://commons.apache.org/proper/commons-lang/
Copyright © 2001-2017 The Apache Software Foundation. All Rights Reserved.
License: Apache License 2.0 (see below)

Okio
Description: A modern I/O API for Java.
https://github.com/square/okio
Copyright 2013 Square, Inc.
License: Apache License 2.0 (see below)

OkHttp
Description: An HTTP+HTTP/2 client for Android and Java applications
https://github.com/square/okhttp
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Nine Old Androids
Description: Android library for using the Honeycomb animation API on all versions of the platform back to 1.0
https://github.com/JakeWharton/NineOldAndroids
Copyright 2012 Jake Wharton
License: Apache License 2.0 (see below)
ZXing
Description: ZXing ("Zebra Crossing") barcode scanning library for Java, Android
https://github.com/zxing/zxing
Copyright (C) 2014 ZXing authors
License: Apache License 2.0 (see below)

Dagger 2
Description: A fast dependency injector for Android and Java.
https://github.com/google/dagger
Copyright 2012 The Dagger Authors
License: Apache License 2.0 (see below)

RxJavaProGuardRules
Description: ProGuard rules for RxJava shipped as AAR!
https://github.com/artem-zinnatullin/RxJavaProGuardRules
Copyright 2016 Artem Zinnatullin
License: Apache License 2.0 (see below)

Android Support Libraries v7 transition
Description: A Transition holds information about animations
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries Design
Description: The Design package provides APIs to support adding material design components and patterns to your apps.
https://developer.android.com/topic/libraries/support-library/packages#design
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v4 media-compat library
Description: Backports portions of the media framework, including MediaBrowser and MediaSession.
https://developer.android.com/topic/libraries/support-library/packages#v4-media-compat
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)
Android Support Libraries v4 fragment library
Description: Adds support for encapsulation of user interface and functionality with fragments, enabling applications to provide layouts that adjust between small and large-screen devices. This module has dependencies on compat, core-utils, core-ui, and media-compat.
https://developer.android.com/topic/libraries/support-library/packages#v4-fragment
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v4 core-utils library
Description: Provides a number of utility classes, such as AsyncTaskLoader and PermissionChecker.
https://developer.android.com/topic/libraries/support-library/packages#v4-core-utils
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v4 compat library
Description: Provides compatibility wrappers for a number of framework APIs, such as Context.obtainDrawable() and View.performAccessibilityAction().
https://developer.android.com/topic/libraries/support-library/packages#v4-compat
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries Annotations Support Library
Description: The Annotation package provides APIs to support adding annotation metadata to your apps.
https://developer.android.com/topic/libraries/support-library/packages#annotations
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries v7 recyclerview library
Description: The recyclerview library adds the RecyclerView class. This class provides support for the RecyclerView widget, a view for efficiently displaying large data sets by providing a limited window of data items.
https://developer.android.com/topic/libraries/support-library/packages#v7-recyclerview
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

Android Support Libraries Multidex Support Library
Description: This library provides support for building apps with multiple Dalvik Executable (DEX) files. Apps that reference more than 65536 methods are required to use multidex configurations. For more information about using multidex, see Building Apps with Over 64K Methods.
https://developer.android.com/topic/libraries/support-library-packages#multidex

Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

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Android Support Libraries Vector Drawable Library
Description: Provides support for static vector graphics.
https://developer.android.com/topic/libraries/support-library/packages#vector
Copyright (C) 2012 The Android Open Source Project
License: Apache License 2.0 (see below)

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Android Arch Lifecycle -- consisting of the following
android.arch.lifecycle:viewModel
android.arch.lifecycle:runtime
android.arch.lifecycle:livedata-core
android.arch.lifecycle:common
android.arch.core:runtime
android.arch.core:common
Description: Android architecture components are a collection of libraries that help you design robust, testable, and maintainable apps. Start with classes for managing your UI component lifecycle and handling data persistence.
https://developer.android.com/topic/libraries/architecture/
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LevelUp ZXingObjC
Description: An Objective-C Port of ZXing
https://github.com/TheLevelUp/ZXingObjC
Copyright 2012 ZXing authors
License: Apache License 2.0 (see below)

PromiseKit UIKit
Description: Promises for Swift & ObjC
https://github.com/PromiseKit/UIKit
Copyright © 2016-present, Max Howell; mxcl@me.com
License: MIT (see below)

PromiseKit Foundation Extensions
Description: Promises for Swift & ObjC
https://github.com/PromiseKit/Foundation
Copyright 2018-present, Max Howell; mxcl@me.com
License: MIT (see below)

Nocilla
Description: Testing HTTP requests has never been easier. Nocilla: Stunning HTTP stubbing for iOS and Mac OS X.
https://github.com/luisobo/Nocilla
Copyright (c) 2012 Luis Solano Bonet
License: MIT (see below)

Nanopb
Description: Protocol Buffers with small code size
https://github.com/nanopb/nanopb
Copyright (c) 2011 Petteri Aimonen <jpa at nanopb.mail.kapsi.fi>
License: zlib (see below)

GoogleToolboxForMac
Description: Google Toolbox for Mac
https://github.com/google/google-toolbox-for-mac
Copyright 2008 Google Inc.
License: Apache License 2.0 (see below)
ObjectiveLuhn
Description: Luhn Credit Card Validation Algorithm
https://github.com/maxkramer/ObjectiveLuhn
Copyright (c) 2012 Max Kramer (https://www.maxkramer.co)
License: MIT (see below)

JSONModel
Description: Magical Data Modeling Framework for JSON - allows rapid creation of smart data models. You can use it in your iOS, macOS, watchOS and tvOS apps.
https://github.com/jsonmodel/jsonmodel
Copyright (c) 2012-2016 Marin Todorov and JSONModel contributors
License: MIT (see below)

BSKeyboardControls
Description: Put controls above the keyboard on your iPhone or iPad app.
https://github.com/simonbs/BSKeyboardControls
License: MIT (see below)

Valet
Description: Valet lets you securely store data in the iOS, tvOS, or macOS Keychain without knowing a thing about how the Keychain works. It’s easy. We promise.
https://github.com/square/Valet
Copyright 2015 Square, Inc.
License: Apache License 2.0 (see below)

SZTextView
Description: A drop-in UITextView replacement which gives you: a placeholder.
https://github.com/glaszig/SZTextView
Copyright (c) 2013 glaszig <glaszig@gmail.com>
License: MIT (see below)

RadioButton
Description: Lightweight RadioButton class for iOS
https://github.com/onegray/RadioButton-ios
Copyright (c) 2013-2014 Sergey Nikitenko.
License: MIT (see below)

SIOSocket
Description: Realtime iOS application framework (client)
https://github.com/MegaBits/SIOSocket
Copyright (c) 2014 MegaBits
License: MIT (see below)

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MMMaterialDesignSpinner
Description: An iOS activity spinner modeled after Google's Material Design Spinner
https://github.com/misterwell/MMMaterialDesignSpinner
Copyright (c) 2014 Mike Maxwell <mmaxwell@vertical.com>
License: MIT (see below)

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TransitionKit
Description: An Objective-C library for elegantly implementing state machines.
https://github.com/blakewatters/TransitionKit
Copyright 2013-2014 Blake Watters
License: Apache License 2.0 (see below)

--------------------------------------------------------------------------------------------------------

TPKeyboardAvoiding
Description: A drop-in universal solution for moving text fields out of the way of the keyboard in iOS
https://github.com/michaeltyson/TPKeyboardAvoiding
Copyright (c) 2013 Michael Tyson
License: zlib (see below)
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Boost
Description: Boost provides free peer-reviewed portable C++ source libraries.
https://www.boost.org/
Copyright Beman Dawes, David Abrahams, 1998-2005.
Copyright Rene Rivera 2004-2007
License:
Boost Software License - Version 1.0 - August 17th, 2003

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form of machine-executable object code generated by a source language processor.

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DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN
CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE
OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

7-zip
Description: 7-Zip is a file archiver with a high compression ratio.
https://www.7-zip.org
Copyright (C) 1999-2018 Igor Pavlov.
License: 7-zip license (see below)

7zdec
Version: 16.00
Description: 7z format decoding library
https://sourceforge.net/projects/sevenzip/
aac
Description: Advanced Audio Coding (AAC) is an audio coding standard for lossy digital audio compression.
License: Licensed by Ambarella from Coding Technologies (acquired by Dolby). Licensee may need to obtain additional licenses from holders of intellectual property rights relating to AAC standard.

alsa-lib
Version: 1.1.3
Description: the ALSA library used to access the ALSA sound interface.
License: GNU LGPLv2.1 (see below)

alsa-plugins
Version: 1.1.1
Description: plugins for various audio libraries and sound servers.
ftp://ftp.alsa-project.org/pub/plugins
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

alsa-utils
Version: 1.1.3
Description: utilities for controlling sound card.
ftp://ftp.alsa-project.org/pub/utils
License: GNU GPLv2 (see below)

audiofile
Version: 0.3.6
Description: this library provides an uniform API which abstracts away details of file formats and data formats.
http://audiofile.68k.org
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

avahi
Version: 0.6.32
Description: the Avahi package is a system which facilitates service discovery on a local network.
http://avahi.org/download/
License: GNU LGPLv2.1 (see below)

bind-lite
Version: 9.9.5
Description: lite version of BIND suite libraries which are used by various programs to work with DNS protocol.
http://www.isc.org/products/BIND
License: ISC (see below)

connman
Version: 1.33
Description: ConnMan is a daemon for managing Internet connections within embedded device.
https://01.org/connman
License: GNU GPLv2 (see below)

bluez5
Version: 5.39
Description: the latest version of the Linux bluetooth stack.
https://www.kernel.org/pub/linux/bluetooth/
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

bluez-tools
Version: 0.1.38-662e
Description: A set of tools to manage bluetooth devices for linux.
https://code.google.com/p/bluez-tools
License: GNU GPLv2 (see below)

busybox
Version: 1.24.1
Description: a toolkit provides tiny versions of many common UNIX utilities into a single small executable file.
http://busybox.net/downloads/
License: GNU GPLv2 (see below)

bzip2
Version: 1.0.6
Description: bzip2 is a file compression program.
http://www.bzip.org/
License:

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-
2010 Julian R Seward. All rights reserved.

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DAMAGE.

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

------------------------------------------------------------------------------
------------------------------------------------------------------------------
clearsilver
Version: 0.10.5
Description: clearsilver is fast, powerful, and language-neutral HTML template system.
http://www.clearsilver.net/downloads/
License: BSD 3-clause License (see below)

--------------------------------------------------------------------------------
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Description</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>cyclictest</td>
<td>0.92</td>
<td>cyclictest is one system RT performance benchmark</td>
<td>GNU GPLv2 (see below)</td>
</tr>
<tr>
<td>dbus</td>
<td>1.8.18</td>
<td>dbus is a message bus system for inter-process communication.</td>
<td>GNU GPLv2 (see below)</td>
</tr>
<tr>
<td>dbus-glib</td>
<td>0.104</td>
<td>a library contains GLib interfaces to the DBus API.</td>
<td>GNU GPLv2 (see below)</td>
</tr>
<tr>
<td>dhcp</td>
<td>4.3.0</td>
<td>a dhcp server.</td>
<td>ISC (see below)</td>
</tr>
<tr>
<td>dhcpcd</td>
<td>6.4.3</td>
<td>dhcpcd is an implementation of the DHCP client specified in RFC2131.</td>
<td>BSD License (see below)</td>
</tr>
<tr>
<td>dnsmasq</td>
<td>2.75</td>
<td>a lightweight, easy to configure DNS forwarder and DHCP server</td>
<td>GNU GPLv2 (see below), GNU GPLv3 (see below)</td>
</tr>
<tr>
<td>dosfstools</td>
<td>3.0.28</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Description: utilities for making and checking MS-DOS FAT filesystems.

http://daniel-baumann.ch/files/software/dosfstools/

License: GNU GPLv3 (see below)

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e2fsprogs

Version: 1.42.13

Description: utilities for use with the Ext2 filesystem

http://hivelocity.dl.sourceforge.net/project/e2fsprogs/e2fsprogs/

License: GNU GPLv2 (see below), with exception of lib/ext2fs and lib/e2p which are under GNU LGPLv2 (see below), and lib/uuid which's under BSD license (see below), and lib/et and lib/ss which are under MIT license (see below).

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elfutils

Version: 0.167

Description: utilities and libraries for handling ELF files

https://fedorahosted.org/releases/e/l/elfutils/

License: GNU GPLv2 (see below), GNU GPLv3 (see below), GNU LGPLv3 (see below)

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ethtool

Version: 3.11

Description: utility for controlling network drivers and hardware.

https://www.kernel.org/pub/software/network/ethtool/

License: GNU GPLv2 (see below)

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exfat-utils

Version: 1.2.4

Description: exfat file system utilities

https://github.com/relan/exfat

License: GNU GPLv2 (see below)

---

expat

Version: 2.0.1

Description: an XML parser library written in C

http://iweb.dl.sourceforge.net/project/expat/expat/

License: BSD License (see below)

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f2fs-tools

Version: 1.7.0
Description: tools for Flash-Friendly File System (F2FS).
http://sourceforge.net/projects/f2fs-tools/
License: GNU GPLv2 (see below)

fcgi
Version: 2.4.0
Description: a protocol for interfacing interactive programs with a web server
http://www.fastcgi.com/dist/fcgi.tar.gz
License: Open Market License
Open Market permits you to use, copy, modify, distribute, and license this Software and the Documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this Software and Documentation may be copyrighted by their authors and need not follow the licensing terms described here. If modifications to this Software and Documentation have new licensing terms, the new terms must be clearly indicated on the first page of each file where they apply.
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ffmpeg
Version: 3.2.1
Description: FFmpeg is the leading multimedia framework, able to decode, encode pretty much anything that humans and machines have created
https://www.ffmpeg.org/releases
License: GNU LGPLv2.1 (see below)

freetype
Version: 2.4.10
Description: a free, high-quality and portable font engine
http://ftp.twaren.net/Unix/NonGNU/freetype/
License: FreeType License (see below), GNU GPLv2 (see below)
ftpd
Version: 1.21.1
Description: a ftp server
http://busybox.net/downloads/
License: GNU GPLv2 (see below)

fuse
Version: 2.9.7
Description: a library to implement a fully functional filesystem in a userspace program.
http://hivelocity.dl.sourceforge.net/project/fuse/
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

fuse-exfat
Version: 1.2.4
Description: FUSE module of exfat file system
https://github.com/relan/exfat
License: GNU GPLv2 (see below)

glib2
Version: 2.51.0
Description: a library for providing data structure handling for C, portability wrappers and interfaces for such runtime functionality as an event loop, threads, dynamic loading and an object system.
License: GNU GPLv2 (see below)

gmp
Version: 6.1.1
Description: a library for arbitrary-precision arithmetic, operating on signed integers, rational numbers, and floating point numbers
License: GNU LGPLv3 (see below), GNU GPLv2 (see below), GNU GPLv3 (see below)

gnutls
Version: 3.4.11
Description: a library implementing the SSL, TLS and DTLS protocols and technologies around them
ftp://ftp.gnutls.org/gcrypt/gnutls/v3.2
License: GNU GPLv3 (see below), GNU LGPLv2.1 (see below)
hostapd
Version: 2.4
Description: a user space daemon for access point and authentication servers
http://w1.fi/releases/
License: BSD License (see below)

hostapdv2.0-devel_rtw_r8680
Version: 2.0
Description: a 2.0 version of hostapd
http://w1.fi/releases/
License: BSD License (see below), GNU GPLv2 (see below)

iniparser
Version: 3.1
Description: ini file parsing library
https://github.com/ndevilla/iniparser
License: MIT License (see below)

iozone
Version: 3 release 434
Description: a filesystem benchmark tool
http://www.iozone.org/src/current/
License:

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iperf
Version: 2.0.8
Description: a commonly used network testing tool that create data streams and measure throughput
http://iweb.dl.sourceforge.net/project/iperf/
License: BSD License (see below)

iperf3
Version: 3.1.2
Description: a commonly used network testing tool that create data streams and measure throughput
http://downloads.es.net/pub/iperf/
License: BSD License (see below)

iptables
Version: 1.4.21
Description: A user space application to configure the Linux kernel firewall
License: GNU GPLv2 (see below)

iw
Version: 4.9
Description: a WiFi tool, useful for WiFi setup
https://www.kernel.org/pub/software/network/iw
License: BSD License (see below)

json-c
Version: 0.11-20130402
Description: a C library for working with JSON data
https://codeload.github.com/json-c/json-c/zip/master
License: MIT License (see below)

Kmod
Version: 17
Description: a package contains libraries and utilities for loading kernel modules.
https://www.kernel.org/pub/linux/utils/kernel/kmod
License: GNU GPLv2 (see below)
libacl
Version: 2.2.25
Description: Access control list utilities
http://acl.bestbits.at
License: GNU GPLv2 (see below)

libarchive
Version: 3.2.0
Description: Multi-format archive and compression library.
http://www.libarchive.org/
License: BSD 3-clause License (see below)

libatomic_ops
Version: 7.2alpha6
Description: a package provides implementations for atomic memory update operations on a number of architectures.
http://www.hpl.hp.com/research/linux/atomic_ops/download/
License: GNU GPLv2 (see below)

libattr
Version: 2.4.47
Description: a library for the extended attributes on filesystem objects
URL:http://ftp.twaren.net/Unix/NonGNU/attr
License: GNU LGPLv2.1 (see below), GNU GPLv2 (see below)

Libcap2
Version: 2.22
Description: a package implements the user-space interfaces to the POSIX 1003.1e capabilities available in Linux kernels.
License: GNU GPLv2 (see below)

libcurl
Version: 7.50.1
Description: a URL transfer library
http://curl.haxx.se/download/
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libdaemon
Version: 0.14
Description: a lightweight C library that eases the writing of UNIX daemons
http://0pointer.de/lennart/projects/libdaemon/
License: GNU LGPLv2.1 (see below)

libevent
Version: 2.0.22
Description: The libevent API provides a mechanism to execute a callback function when a specific event occurs on a file descriptor or after a timeout has been reached.
http://libevent.org/
License: BSD 3-clause (see below)

libev
Version: 4.22
Description: A full-featured and high-performance event loop that is loosely modelled after libevent, but without its limitations and bugs.
http://software.schmorp.de/pkg/libev.html
License: BSD License (see below)

libeXosip2
Version: 4.1.0
Description: eXosip is a GPL library that extend the capability of the oSIP library.
http://download.savannah.gnu.org/releases/exosip
License: GNU GPLv2 (see below)

libexif
Version: 0.6.21
Description: Library for extracting extra information from image files.
http://libexif.sourceforge.net
License: GNU LGPLv2.1 (see below)

libffi
Version: 3.1
Description: a library provides a portable, high level programming interface to various calling conventions.
http://pkgs.fedoraproject.org/repo/pkgs/libffi/
License: MIT License (see below)

libg7xx
Version: 0.0.6
Description: a library for G.726.
http://soft-switch.org/downloads/spandsp/
License: GNU LGPLv2.1 (see below)

libgcrypt
Version: 1.6.1
Description: a general purpose cryptographic library based on the code from GnuPG.
http://www.ring.gr.jp/pub/net/gnupg/libgcrypt/
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

libgpg-error
Version: 1.12
Description: a package contains a library that defines common error values for all GnuPG components.
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below)

libical
Version: 0.48
Description: a package contains an implementation of the iCalendar protocols and data formats.
http://iweb.dl.sourceforge.net/project/freeassociation/libical/
libidn
Version: 1.28
License: GNU GPLv2 (see below), GNU LGPLv2.1 (see below), GNU GPLv3 (see below), GNU LGPLv3 (see below)

libjpeg-turbo
Version: 1.5.0
Description: libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. http://sourceforge.net/projects/libjpeg-turbo/files/
License: BSD License (see below)

libmicrohttpd
Version: 0.9.49
Description: a library to run an HTTP server as part of another application http://ftp.gnu.org/gnu/libmicrohttpd
License: GNU LGPLv2.1 (see below)

libmtmp
Version: 1.1.12
Description: A software library for MTP media players http://libmtmp.sourceforge.net
License: GNU LGPLv2.1 (see below)

libNE10
Version: 1.2.1
Description: An open optimized software library project for the ARM architecture https://projectne10.github.io/Ne10
License: BSD 3-clause License (see below)

libndp
Version: 1.3
Description: A library which provides a wrapper for IPv6 Neighbor Discovery Protocol. It also provides a tool named ndptool for sending and receiving NDP messages.
http://www.libndp.org/
License: GNU LGPLv2.1 (see below)

libnl
Version: 3.2.24
Description: a collection of libraries providing APIs to netlink protocol based Linux kernel interfaces
http://www.infradead.org/~tgr/libnl/files/
License: GNU LGPLv2.1 (see below)

libogg
Version: 1.3.1
Description: a library contains necessary functionality to create, decode, and work with Ogg bitstreams.
http://downloads.xiph.org/releases/ogg
License: BSD License (see below)

libosip2
Version: 4.1.0
Description: The GNU oSIP library is an implementation of SIP - rfc3261.
http://ftp.gnu.org/gnu/osip
License: GNU LGPLv2 (see below)

libpcap
Version: 1.8.0
Description: a library provides functions for user-level packet capture, used in low-level network monitoring.
http://www.tcpdump.org/release
License: BSD License (see below)

libpng
Version: 1.6.27
Description: A library of functions for manipulating PNG image format files.
http://www.libpng.org/pub/png/libpng.html
License: zlib License (see below)

libsamplerate
Version: 0.1.8
Description: a library for audio sample rate converter
http://www.mega-nerd.com/SRC
License: GNU GPLv2 (see below)

libselinux
Version: 2.3
Description: a library contains the core library of an SELinux system.
https://github.com/SELinuxProject/selinux
License:
This library (libselinux) is public domain software, i.e. not copyrighted.

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libsepol
Version: 2.3
Description: a library provides an API for the manipulation of SELinux binary policies.
http://userspace.selinuxproject.org/releases/
License: GNU LGPLv2.1 (see below)

libsndfile
Version: 1.0.27
Description: a library for reading and writing files containing sampled sound
http://www.mega-nerd.com/libsndfile/files/
License: GNU LGPLv2.1 (see below)

libsodium
Version: 1.0.2
Description: Sodium is a modern, easy-to-use software library for encryption, decryption, signatures, password hashing and more.  
http://doc.libsodium.org
License: ISC License (see below)
**Version:** 2.9.1  
**Description:** a software library for parsing XML documents  
[http://xmlsoft.org/sources/](http://xmlsoft.org/sources/)  
**License:** MIT License (see below)

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**libyuv**  
**Version:** gitda0c29d  
**Description:** An open source project that includes YUV scaling and conversion functionality.  
[https://chromium.googlesource.com/libyuv/libyuv/](https://chromium.googlesource.com/libyuv/libyuv/)  
**License:** BSD License (see below)

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**libzrtpcpp**  
**Version:** 4.4.0  
**Description:** This package provides a library that adds ZRTP support to the GNU ccRTP stack and serves as library for other RTP stacks (PJSIP, GStreamer). Phil Zimmermann developed ZRTP to allow ad-hoc, easy to use key negotiation to setup Secure RTP (SRTP) sessions. GNU ZRTP works together with GNU ccRTP (1.5.0 or later) and provides a ZRTP implementation that can be directly embedded into client and server applications.  
[https://github.com/wernerd/ZRTPCPP](https://github.com/wernerd/ZRTPCPP)  
**License:** GNU LGPLv3 (see below)

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**Lighttpd**  
**Version:** 1.4.40  
**Description:** a web server optimized for speed-critical environments.  
[http://download.lighttpd.net/lighttpd/](http://download.lighttpd.net/lighttpd/)  
**License:** BSD License (see below)

---

**Ltrace**  
**Version:** 0.7.91  
**Description:** a debugging utility to display the calls a userland application makes to shared libraries.  
**License:** GNU GPLv2 (see below)

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**lua**  
**Version:** 5.3.3  
**Description:** a lightweight multi-paradigm programming language.  
**License:** MIT License (see below)
mxml
Version: 2.8
Description: an XML-based user interface markup language
http://www.msweet.org/files/project3/
License:
   Mini-XML License
   September 18, 2010

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2. You do not have to provide a copy of the Mini-XML license with programs that are linked to the Mini-XML library, nor do you have to identify the Mini-XML license in your program or documentation as required by section 6 of the LGPL2.

ncurses
Version: 6.0-20160709
Description: a library provides an API for programmer to write text-based user interfaces.
License: MIT License (see below)

networkmanager
Version: 1.4.4
Description: a program for providing detection and configuration for systems to automatically connect to network.
http://mirrors.ustc.edu.cn/gnome/sources/NetworkManager/
License: GNU GPLv2 (see below)

nettle3
Version: 3.2
Description: a library contains the low-level cryptographic library.
http://www.lysator.liu.se/~nisse/archive/
License: GNU LGPLv2.1 (see below)

nfs
Version: 1.2.8
Description: utils for NFS which allows a server to share directories and files over network
http://iweb.dl.sourceforge.net/project/nfs/nfs-utils/
License: GNU GPLv2 (see below)

nss-mdns
Version: 0.10
Description: a plugin for the GNU Name Service Switch (NSS) functionality of the GNU C Library (glibc)
http://0pointer.de/lennart/projects/nss-mdns/
License: GNU LGPLv2.1 (see below)

ntp
Version: 4.2.8p4
Description: a networking protocol for clock synchronization
http://www.eecis.udel.edu/~ntp/ntp_spool/ntp4/ntp-4.2/
License: Network Time Protocol Version 4 Distribution (see below)

opencv
Version: 3.1.0
Description: a library of programming functions mainly aimed at real-time computer vision
https://github.com/Itseez/opencv/archive/3.1.0/opencv-3.1.0.tar.gz
License: BSD License (see below)

openssh
Version: 7.1p1
Description: a SSH connectivity tool that technical users of the Internet rely on.
http://openbsd.org.ar/pub/OpenBSD/OpenSSH/portable/
License: BSD License (see below)

openssl
Version: 1.0.2h
Description: an open-source implementation of the SSL and TLS protocols.
https://www.openssl.org/source
License: OpenSSL License (see below)

opus
Version: 1.2-alpha
Description: a lossy audio compression format.
http://www.opus-codec.org/downloads
License: BSD License (see below)

opusfile
Version: 0.6.2
Description: a package provides application developers with a high-level API for decoding and seeking in .opus files.
http://www.opus-codec.org/downloads
License: BSD License (see below)

opus-tools
Version: 0.1.8
Description: a collection of tools for working with opus files currently under development
http://www.opus-codec.org/downloads
License: BSD License (see below), and GNU GPLv2 (see below)

orc
Version: 0.4.17
Description: a just-in-time compiler implemented as a library and set of associated tools for compiling and executing simple programs that operate on arrays of data
http://code.entropywave.com/download/orc
License: BSD License (see below)

pam
Version: 1.3.0
Description: a implementation of flexible mechanism for authenticating users
http://www.linux-pam.org/library
License: BSD License (see below)

parted
Version: 3.1
Description: a free partition editor, used for creating and destroying partitions
pcre
Version: 8.35
Description: a Perl library to implement regular expression pattern matching
http://softlayer-dal.dl.sourceforge.net/project/pcre/pcre/
License: BSD License (see below)

procps-ng
Version: 3.3.10
Description: a package provides command line and full screen utilities for browsing procfs
http://hivelocity.dl.sourceforge.net/project/procps-ng/Production/
License: GNU GPLv2 (see below)

pulseaudio
Version: 9.0
Description: a free cross-platform network sound server.
http://freedesktop.org/software/pulseaudio/releases/
License: GNU LGPLv2.1 (see below)

python
Version: 2.7.12
Description: the interpreter for Python programming language.
https://www.python.org/ftp/python/2.7.12/
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readline
Version: 6.3
Description: a library that allow users to edit command lines as they are typed in.
http://git.savannah.gnu.org/cgit/readline.git/snapshot/readline-master.tar.gz
License: GNU GPLv3 (see below)
sbc
Version: 1.2
Description: a digital audio encoder and decoder used to transfer data to Bluetooth audio output devices like headphones or loudspeakers
http://sbc.cvs.sourceforge.net/viewvc/sbc/
License: GNU GPLv2 (see below), Library is GNU LGPLv2.1 (see below)

soxr
Version: 0.1.2
Description: The SoX Resampler library 'libsoxr' performs one-dimensional sample-rate conversion.
https://sourceforge.net/p/soxr/wiki/Home/
License: GNU LGPLv2.1 (see below)

spawn-fcgi
Version: 1.6.4
Description: an utility to spawn remote and local FastCGI processes
https://codeload.github.com/lighttpd/spawn-fcgi/zip/master
License: BSD License (see below)

speex
Version: 1.2rc2 / 1.2rc3
Description: a lossy audio codec optimized for speech
http://downloads.xiph.org/releases/speex/
License: BSD License (see below)

sqlite
Version: 3.13.0
Description: Library that implements an embeddable SQL database engine
https://www.sqlite.org
License: Public Domain (see below)

sshfs-fuse
Version: 2.5
Description: a filesystem client based on the SSH File Transfer Protocol
http://iweb.dl.sourceforge.net/project/fuse/sshfs-fuse/
License: GNU GPLv2 (see below)
strace
Version: 4.11
Description: a system call tracer
https://sourceforge.net/projects/strace/files/strace
License: BSD License (see below)

systemd
Version: 215
Description: a system management daemon designed exclusively for the Linux kernel API
http://www.freedesktop.org/software/systemd
License: GNU LGPLv2.1 (see below), GNU GPLv2 (see below), MIT License (see below)

tcpdump
Version: 4.7.3
Description: a common packet analyzer that runs under the command line
http://www.tcpdump.org/release/
License: BSD License (see below)

telnet-server
Version: 0.17
Description: a telnet server
https://launchpad.net/netkit-telnet
License: GNU GPLv2 (see below)

ubi-tools
Version: 1.5.2
Description: a tool-kit for various UBI tests
http://git.infradead.org/mtd-utils.git
License: GNU GPLv2 (see below)

udev
Version: 215
Description: a device manager for the Linux kernel.
http://www.freedesktop.org/software/systemd
License: GNU GPLv2 (see below)

util-linux
Version: 2.29
Description: a standard package of the Linux operating system.
https://www.kernel.org/pub/linux/utils/util-linux/v2.29
License: GNU GPLv2 (see below)

util-linux-bin
Version: 2.29
Description: all binaries compiled from util-linux.
https://www.kernel.org/pub/linux/utils/util-linux/v2.29
License: GNU GPLv2 (see below)

valgrind
Version: 3.12.0
Description: a programming tool for memory debugging, memory leak detection, and profiling
http://valgrind.org/downloads
License: GNU GPLv2 (see below)

vtable-dumper
Version: 1.1
Description: Tool to list content of virtual tables in a C++ shared library.
https://github.com/lvc/vtable-dumper
License: GNU LGPLv2.1 (see below)

webrtc-audio-processing
Version: 0.3
Description: This is meant to be a more Linux packaging friendly copy of the AudioProcessing module from the WebRTC project
http://freedesktop.org/software/pulseaudio/webrtc-audio-processing
License: BSD License (see below)

wireless-tools
Version: 29
Description: a set of tools allowing to manipulate the Wireless Extensions
http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html
License: GNU GPLv2 (see below)

wpa_supplicant
Version: 2.5
Description: a free software implementation of an IEEE 802.11i
http://hostap.epitest.fi/wpa_supplicant
License: GNU GPLv2 (see below)

x265
Description: a H.265/HEVC encoder library
Version: 1.9
https://bitbucket.org/multicoreware/x265/get/x265_1.5.tar.gz
License: GNU GPLv2 (see below)

xz
Version: 5.2.2
Description: general-purpose data compression software with high compression ratio
http://tukaani.org/xz
License: Public Domain (see below)

zbar
Version: 0.10
Description: a software suite for reading barcodes from video streams, image files and raw intensity sensors
http://zbar.sourceforge.net/download.html
License: GNU LGPLv2.1 (see below)

zlib
Version: 1.2.9
Description: a software library used for data compression.
http://www.zlib.net
License: zlib License (see below)

Protobuf
Description: Protocol Buffers - Google's data interchange format.
https://github.com/google/protobuf
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Opus Interactive Audio Codec
Description: Opus can handle a wide range of audio applications, including Voice over IP, videoconferencing, in-game chat, and even remote live music performances
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Opus is subject to the royalty-free patent licenses which are specified at:
Xiph.Org Foundation: https://datatracker.ietf.org/ipr/1524/
Microsoft Corporation: https://datatracker.ietf.org/ipr/1914/
Broadcom Corporation: https://datatracker.ietf.org/ipr/1526/

Arm Mbed Mbed TLS
Description: An open source, portable, easy to use, readable and flexible SSL library
Copyright © 2008 - 2016 ARM Limited
License: Apache License 2.0 (see below)

Nanopb
Description: Protocol Buffers with small code size
Copyright © 2011 Petteri Aimonen <jpa at nanopb.mail.kapsi.fi>
License: zlib License (see below)

SPIFFS
Description: Wear-leveled SPI flash file system for embedded devices
https://github.com/pellepl/spiffs
Copyright © 2013-2017 Peter Andersson (pelleplutt1976 at gmail.com)
License: MIT (see below)

Note: The following Open Source packages are use in the ESP32 module. For a brief list of the Open Source packages used see: https://esp-idf.readthedocs.io/en/latest/COPYRIGHT.html
Newlib
Description: Espressif IoT Development Framework. Official development framework for ESP32.
https://github.com/espressif/esp-idf/tree/be81d2c/components/newlib
License: BSD License (see below)

Xtensa header files
Description: Espressif IoT Development Framework. Official development framework for ESP32.
https://github.com/espressif/esp-idf/tree/be81d2c/components/esp32/include/xtensa
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License: MIT License (see below)

FreeRTOS
Description: Market Leading, De-facto Standard and Cross Platform RTOS kernel.
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LWIP
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https://github.com/freebsd/freebsd/tree/master/sys/net80211
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Description: ECDH and ECDSA for 8-bit, 32-bit, and 64-bit processors.
https://github.com/kmackay/micro-ecc
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Bowser
Description: a browser detector
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Description: Responding to idle users in AngularJS applications.
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Description: AngularJS - HTML enhanced for web apps.
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Description: This is a SHA-1 hash generator by JavaScript.
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Description: Google Analytics plugin for Angulartics
https://github.com/angulartics/angulartics-google-analytics
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Description: Realtime application framework (client) http://socket.io
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Description: A jQuery-free general purpose library for building credit card forms, validating inputs and formatting numbers.
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Description: The fully-loaded, responsive jQuery content slider
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colorbox.js
Description: A lightweight customizable lightbox plugin for jQuery.
http://www.jackmoore.com/colorbox/
mobile-detect.js
Description: Device detection (phone, tablet, desktop, mobile grade, os, versions)
http://hgoebl.github.io/mobile-detect.js/
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scrollmagic.js
Description: The javascript library for magical scroll interactions. http://ScrollMagic.io
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invieview.js
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request-frame
Description: The most complete requestAnimationFrame | cancelAnimationFrame polyfill.
https://github.com/julienetie/request-frame
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respond.js
Description: A fast & lightweight polyfill for min/max-width CSS3 Media Queries (for IE 6-8, and more).
https://github.com/scottjehl/Respond
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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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