List of Open Source Software Used in ESB-1090

acl
2.2.52
LGPLv2.1+ & GPLv2+
Utilities for managing POSIX Access Control Lists.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

alsa-lib
1.1.3
LGPLv2.1 & GPLv2+
ALSA sound library.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

alsa-utils
1.1.0
GPLv2+
ALSA sound utilities.
http://www.gnu.org/licenses/gpl-2.0.html

android-tools-adbd
4.2.2+git20130218-3ubuntu13
Apache-2.0 & GPL-2.0 & BSD-2-Clause & BSD-3-Clause
Different utilities from Android - based on the corresponding ubuntu package
http://www.gnu.org/licenses/gpl-2.0.html
http://www.apache.org/licenses/LICENSE-2.0
https://opensource.org/licenses/BSD-2-Clause
https://opensource.org/licenses/BSD-3-Clause

attr
2.4.47
LGPLv2.1+ & GPLv2+
Utilities for manipulating filesystem extended attributes.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
http://www.gnu.org/licenses/gpl-2.0.html

Autoconf
2.69
GPLv3+
Autoconf is an extensible package of M4 macros that produce shell
http://www.gnu.org/licenses/gpl-3.0.html

automake
1.15
GPLv2+
A makefile generator
http://www.gnu.org/licenses/gpl-2.0.html

base-files
3.0.14
GPLv2
The base-files package creates the basic system directory structure and provides a small set of key configuration files for the system.
http://www.gnu.org/licenses/gpl-2.0.html

base-passwd
3.5.29
GPLv2+
The master copies of the user database files (/etc/passwd and /etc/group). The update-passwd tool is also provided to keep the system databases synchronized with these master files.
http://www.gnu.org/licenses/gpl-2.0.html

bash
3.2.57
GPLv2+
An sh-compatible command language interpreter.
http://www.gnu.org/licenses/gpl-2.0.html

bash-completion
2.5
GPLv2
Programmable Completion for Bash 4.
http://www.gnu.org/licenses/gpl-2.0.html

bc
1.06
GPLv2
bc is an arbitrary precision numeric processing language.
http://www.gnu.org/licenses/gpl-2.0.html

bind
9.10.3-P3
ISC & BSD
ISC Internet Domain Name Server.
https://www.isc.org/licenses/
https://www.freebsd.org/copyright/freebsd-license.html

bison
3.0.4
GPLv3
http://www.gnu.org/licenses/gpl-3.0.html

Boa
0.94.13
GPL1.0
Boa is a single-tasking HTTP server.
https://www.gnu.org/licenses/old-licenses/gpl-1.0.html

busybox
1.24.1
GPLv2 & bzip2
BusyBox combines tiny versions of many common UNIX utilities into a single small executable. It provides minimalist replacements for most of the utilities you usually find in GNU fileutils, shellutils, etc. The utilities in BusyBox generally have fewer options than their full-featured GNU cousins; however, the options that are included provide the expected functionality and behave very much like their GNU counterparts. BusyBox provides a fairly complete POSIX environment for any small or embedded system.
http://www.gnu.org/licenses/gpl-2.0.html
https://spdx.org/licenses/bzip2-1.0.6.html

bzip2
1.0.6
bzip2 compresses files using the Burrows-Wheeler block-sorting text compression algorithm, and Huffman coding. Compression is generally considerably better than that achieved by more conventional LZ77/LZ78-based compressors, and approaches the performance of the PPM family of statistical compressors.
https://spdx.org/licenses/bzip2-1.0.6.html

c-ares
1.12.0
MIT
c-ares, an asynchronous resolver library
https://opensource.org/licenses/MIT

check
0.10.0
Check is a unit testing framework for C
https://libcheck.github.io/check/

cmake
3.7.2
BSD
CMake is a cross-platform, open-source build system generator.
https://www.freebsd.org/copyright/freebsd-license.html

coreutils
6.9
GPLv2+
The GNU Core Utilities provide the basic file, shell and text manipulation utilities. These are the core utilities which are expected to exist on every system.
http://www.gnu.org/licenses/gpl-2.0.html

cracklib
2.9.5
LGPLv2.1+
Password strength checker library.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

cryptodev-linux
1.8
GPLv2
A /dev/crypto device driver header file.
http://www.gnu.org/licenses/gpl-2.0.html

curl
7.53.1
MIT
Command line tool and library for client-side URL transfers.
https://opensource.org/licenses/MIT

db
5.3.28
Sleepycat
Berkeley Database v5.
https://www.oracle.com/database/technologies/related/berkeleydb.html

dbus
1.10.14
AFL-2 | GPLv2+
D-Bus is a message bus system, a simple way for applications to talk to one another. In addition to interprocess communication, D-Bus helps coordinate process lifecycle; it makes it simple and reliable to code a single instance application or daemon, and to launch applications and daemons on demand when their services are needed.
https://licenses.opensource.jp/AFL-2.0/AFL-2.0.html
http://www.gnu.org/licenses/gpl-2.0.html

dhcp
4.3.5
ISC
DHCP (Dynamic Host Configuration Protocol) is a protocol which allows individual devices on an IP network to get their own network configuration information from a server. DHCP helps make it easier to administer devices.
https://www.isc.org/

dhcpcd
6.11.3
BSD-2-Clause
dhcpcd runs on your machine and silently configures your computer to work on the attached networks without trouble and mostly without configuration.
https://www.freebsd.org/copyright/freebsd-license.html

dnsmasq
2.80
GPLv2 | GPLv3
Lightweight, easy to configure DNS forwarder and DHCP server.
http://www.gnu.org/licenses/gpl-2.0.html
http://www.gnu.org/licenses/gpl-3.0.html

e2fsprogs
1.43.4
GPLv2 & LGPLv2 & BSD & MIT
The Ext2 Filesystem Utilities (e2fsprogs) contain all of the standard utilities for creating, fixing, configuring, and debugging ext2 filesystems.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.0.html
https://www.freebsd.org/copyright/freebsd-license.html
https://opensource.org/licenses/MIT

elfutils
0.168
GPLv2 | GPLv3
The elfutils project provides libraries and tools for ELF files and DWARF data.
http://www.gnu.org/licenses/gpl-2.0.html
http://www.gnu.org/licenses/gpl-3.0.html

expat
2.2.0
MIT
Expat is an XML parser library written in C. It is a stream-oriented parser in which an application registers handlers for things the parser might find in the XML document (like start tags)
https://opensource.org/licenses/MIT

faad2-xmms2
2.7
GPL-v2
mpeg4 and mpeg2/aac decoder
http://www.gnu.org/licenses/gpl-2.0.html

Ffmpeg
3.2.2
LGPLv2.1
FFmpeg codebase is mainly LGPL-licensed with optional components licensed under GPL.
FFmpeg is a collection of libraries and tools to process multimedia content such as audio, video, subtitles and related metadata.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

flac
1.3.2
GFDL-1.2 & GPLv2+ & LGPLv2.1+ & BSD
FLAC stands for Free Lossless Audio Codec, a lossless audio compression format.
https://www.gnu.org/licenses/old-licenses/fdl-1.2.html
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
https://www.freebsd.org/copyright/freebsd-license.html

flex
2.6.0
BSD
Flex is a fast lexical analyser generator. Flex is a tool for generating programs that recognize lexical patterns in text.
https://www.freebsd.org/copyright/freebsd-license.html

fuse
2.9.4
GPLv2 & LGPLv2
FUSE (Filesystem in Userspace) is a simple interface for userspace programs to export a virtual filesystem to the Linux kernel. FUSE also aims to provide a secure method for non privileged users to create and mount their own filesystem implementations.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.0.html

gcc-runtime
6.3.0
GPL-3.0-with-GCC-exception
Runtime libraries from GCC.
http://www.gnu.org/licenses/gpl-3.0.html

gdbm
1.8.3
GPLv2+
Key/value database library with extensible hashing.
http://www.gnu.org/licenses/gpl-2.0.html

gettext
0.19.8.1
GPLv2
GNU gettext is a set of tools that provides a framework to help other programs produce multi-lingual messages. These tools include a set of conventions about how programs should be written to support message catalogs, a directory and file naming organization for the message catalogs themselves, a runtime library supporting the retrieval of translated messages, and a few stand-alone programs to massage in various ways the sets of translatable and already translated strings.
http://www.gnu.org/licenses/gpl-2.0.html

glib
2.50.3
GPLv2 & LGPLv2.1
The GNU C Library is used as the system C library in most systems with the Linux kernel.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

gmp
6.1.2
GPLv2+ | LGPLv3+
GMP is a free library for arbitrary precision arithmetic, operating on signed integers, rational numbers, and floating point numbers
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/lgpl-3.0.html

gnutls
3.5.9
GPLv3+ & LGPLv2.1+
GNU Transport Layer Security Library.
http://www.gnu.org/licenses/gpl-3.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

GObject Introspection
1.50.0
LGPLv2+ & GPLv2+
https://www.gnu.org/licenses/old-licenses/lgpl-2.0.html
http://www.gnu.org/licenses/gpl-2.0.html

gperf
3.0.4
GPLv3
generates perfect hash functions for sets of key words.
http://www.gnu.org/licenses/gpl-3.0.html

gpgme
1.8.0
GPLv2
a C language library that allows to add support for cryptography to a program.
http://www.gnu.org/licenses/gpl-2.0.html

gtk-doc
1.25
GPLv2
GTK-Doc is used to document C code.
http://www.gnu.org/licenses/gpl-2.0.html

hostapd
2.6
GPLv2 | BSD
User space daemon for extended IEEE 802.11 management.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.freebsd.org/copyright/freebsd-license.html

iniparse
0.4
MIT
iniparse is a INI parser for Python
https://opensource.org/licenses/MIT

intltool-0.51.0
0.51.0
GPLv2
http://www.gnu.org/licenses/gpl-2.0.html

iptables
1.6.1
GPLv2+
iptables is the userspace command line program used to configure and control network packet filtering code in Linux.
http://www.gnu.org/licenses/gpl-2.0.html

jansson
2.9
MIT
is a C library for encoding, decoding and manipulating JSON data.
https://opensource.org/licenses/MIT

libarchive
3.2.2
BSD
Multi-format archive and compression library
https://www.freebsd.org/copyright/freebsd-license.html

libassuan
2.4.3
LGPLv2.1+
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

libcap
2.25
BSD | GPLv2
Library for getting/setting POSIX.1e capabilities.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.freebsd.org/copyright/freebsd-license.html

libcgroup
0.41
LGPLv2.1
libcgroup is a library that abstracts the control group file system in Linux. Control groups allow you to limit, account and isolate resource usage (CPU, memory, disk I/O, etc.) of groups of processes.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

libdrm
2.4.75
MIT
The runtime library for accessing the kernel DRM services. DRM stands for Direct Rendering Manager, which is the kernel portion of the Direct Rendering Infrastructure(DRI). DRI is required for many hardware accelerated OpenGL drivers.
https://opensource.org/licenses/MIT

libevent
2.0.22
BSD
An asynchronous event notification library.
https://www.freebsd.org/copyright/freebsd-license.html

libffi
3.2.1
MIT
The `libffi' library provides a portable, high level programming interface to various calling conventions. This allows a programmer to call any function specified by a call interface description at run time. FFI stands for Foreign Function Interface. A foreign function interface is the popular name for the interface that allows code written in one language to call code written in another language. The `libffi' library really only provides the lowest, machine dependent layer of a fully featured foreign function interface. A layer must exist above `libffi' that handles type conversions for values passed between the two languages.
https://opensource.org/licenses/MIT

libgcrypt
1.7.6
GPLv2+ & LGPLv2.1+ & GPLv3+
General purpose cryptographic library based on the code from GnuPG.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
http://www.gnu.org/licenses/gpl-3.0.html

libgpg-error
1.26
GPLv2+ & LGPLv2.1+
Small library that defines common error values for all GnuPG components.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

libidn
1.33
(LGPLv2.1+ | LGPLv3) & GPLv3+
Implementation of the Stringprep, Punycode and IDNA specifications defined by the IETF Internationalized Domain Names (IDN) working group.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
https://www.gnu.org/licenses/lgpl-3.0.html
http://www.gnu.org/licenses/gpl-3.0.html

Libmad
0.15.1
GPLv2+
libmad - MPEG audio decoder library
http://www.gnu.org/licenses/gpl-2.0.html

libnl
3.2.29
LGPLv2.1
A library for applications dealing with netlink sockets.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

libogg
1.3.2
BSD
libogg is the bitstream and framing library for the Ogg project. It provides functions which are necessary to codec libraries like libvorbis.
https://www.freebsd.org/copyright/freebsd-license.html

libpcap
1.8.1
BSD
Libpcap provides a portable framework for low-level network monitoring. Libpcap can provide network statistics collection, security monitoring and network debugging.
https://www.freebsd.org/copyright/freebsd-license.html

libpciaccess
0.13.4
MIT
libpciaccess provides functionality for X to access the PCI bus and devices in a platform-independent way.
https://opensource.org/licenses/MIT

libpng-1.6.28
1.6.28
PNG Reference Library License version 2
http://www.libpng.org/pub/png/src/libpng-LICENSE.txt

libpthread-stubs
0.3
MIT
This library provides weak aliases for pthread functions not provided in libc or otherwise available by default.
https://opensource.org/licenses/MIT

libsamplerate0
0.1.9
BSD-2-Clause
Audio Sample Rate Conversion library.
https://www.freebsd.org/copyright/freebsd-license.html

libsndfile1
1.0.27
LGPLv2.1
Audio format Conversion library.
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

libtheora
1.1.1
BSD
publicly released video codec
https://www.freebsd.org/copyright/freebsd-license.html

libtool
2.4.6
GPLv2
http://www.gnu.org/licenses/gpl-2.0.html

libunistring
0.9.7
LGPLv3+ | GPLv2
Text files are nowadays usually encoded in Unicode, and may consist of very different scripts from Latin letters to Chinese Hanzi with many kinds of special characters accents, right-to-left writing marks, hyphens, Roman numbers, and much more. But the POSIX platform APIs for text do not contain adequate functions for dealing with particular properties of many Unicode characters. In fact, the POSIX APIs for text have several assumptions at their base which don't hold for Unicode text. This library provides functions for manipulating Unicode strings and for manipulating C strings according to the Unicode standard. This package contains documentation.
https://www.gnu.org/licenses/lgpl-3.0.html
http://www.gnu.org/licenses/gpl-2.0.html

libvorbis
1.3.5
BSD
Ogg Vorbis is a high-quality lossy audio codec that is free of intellectual property restrictions. libvorbis is the main vorbis codec library.
https://www.freebsd.org/copyright/freebsd-license.html

libxml2-2.9.4
2.9.4
MIT
Libxml2 is the XML C parser
https://opensource.org/licenses/MIT

linux-libc-headers
4.10
GPLv2
Sanitized set of kernel headers for the C library's use.
http://www.gnu.org/licenses/gpl-2.0.html

Linux-PAM
1.3.0
GPLv2
http://www.gnu.org/licenses/gpl-2.0.html

live555
2012.02.04
LGPL-3.0 license
This code forms a set of C++ libraries for multimedia streaming, using open standard protocols
https://www.gnu.org/licenses/lgpl-3.0.html

lzo
2.09
GPLv2+
Lossless data compression library.
http://www.gnu.org/licenses/gpl-2.0.html

lzop-1.03
1.03
GPLv2
a very fast file compressor
http://www.gnu.org/licenses/gpl-2.0.html

m4
1.4.18
GPLv2
GNU m4 is an implementation of the traditional Unix macro processor. It is mostly SVR4 compatible although it has some extensions (for example, handling more than 9 positional parameters to macros). GNU M4 also has built-in functions for including files, running shell commands, doing arithmetic, etc.
http://www.gnu.org/licenses/gpl-2.0.html

mDNSResponder
320.10.80
Apache
The mDNSResponder project is a component of Bonjour
http://www.apache.org/licenses/LICENSE-2.0

mpc
1.0.3
GPLv3
http://www.gnu.org/licenses/gpl-3.0.html

mpfr
3.1.5
GPLv3
http://www.gnu.org/licenses/gpl-3.0.html

netbase
5.4
GPLv2
This package provides the necessary infrastructure for basic TCP/IP based networking
http://www.gnu.org/licenses/gpl-2.0.html

nettle
3.3
LGPLv3+ | GPLv2+
A low level cryptographic library.
https://www.gnu.org/licenses/lgpl-3.0.html
http://www.gnu.org/licenses/gpl-2.0.html

nghttp2
1.26.0
MIT
This is an implementation of the Hypertext Transfer Protocol version 2 in C
https://opensource.org/licenses/MIT

nspr
4.13.1
Mozilla Public License Version 2.0
http://mozilla.org/MPL/2.0/

nss
3.28.1
Mozilla Public License Version 2.0
http://mozilla.org/MPL/2.0/

ntp
4.2.8p10
NTP
The Network Time Protocol (NTP) is used to synchronize the time of a computer client or server to another server or reference time source, such as a radio or satellite receiver or modem.
https://www.eecis.udel.edu/~mills/ntp/html/copyright.html

openssl
1.0.2k
openssl
Secure Socket Layer (SSL) binary and related cryptographic tools.
https://www.openssl.org/

opkg
0.3.4
GPLv2
Opkg is a lightweight package management system based on Ipkg.
http://www.gnu.org/licenses/gpl-2.0.html

pcre
8.4.0
BSD
Perl-compatible regular expression library
https://www.freebsd.org/copyright/freebsd-license.html

perl
5.24.1
Artistic-1.0 | GPL-1.0+
Perl scripting language.
http://www.perl.org/
https://www.gnu.org/licenses/old-licenses/gpl-1.0.html

pigz
2.3.4
Pigz license
pigz, which stands for Parallel Implementation of GZip
http://zlib.net/pigz/
https://github.com/madler/pigz/blob/master/README

pixman
0.34.0
MIT
Pixman is a library that provides low-level pixel manipulation feature
https://opensource.org/licenses/MIT

platform-tools
26.0.2
Apache-2.0
http://www.apache.org/licenses/LICENSE-2.0

popt
1.16
GNU Free Documentation License
command line option parsing library
https://static.fsf.org/nosvn/directory/fdl-1.3-standalone.html

pseudo
1.8.2
an analogue to sudo
LGPLv2.1
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

pygpgme
0.3
LGPLv2
A Python binding for the gpgme library
https://www.gnu.org/licenses/old-licenses/lgpl-2.0.html

python
2.7.13
PSFv2
The Python Programming Language.
https://www.python.org/

python3
3.5.2
PSFv2
The Python Programming Language.
https://www.python.org/

qemu
2.8.0
GPLv2
QEMU is a generic and open source machine & userspace emulator and virtualizer.
http://www.gnu.org/licenses/gpl-2.0.html

quilt
0.65
GPLv2
http://www.gnu.org/licenses/gpl-2.0.html

readline
7.0
GPLv2+
The GNU Readline library provides a set of functions for use by applications that allow users to edit command lines as they are typed in. Both Emacs and vi editing modes are available. The Readline library includes additional functions to maintain a list of previously-entered command lines, to recall and perhaps reedit those lines, and perform csh-like history expansion on previous commands.
http://www.gnu.org/licenses/gpl-2.0.html

rsync-3.1.2
3.1.2
GPLv3
Rsync is a fast and extraordinarily versatile file copying tool for both remote and local files.
http://www.gnu.org/licenses/gpl-3.0.html

setuptools
32.1.1
MIT
https://opensource.org/licenses/MIT

shadow
4.2.1
BSD | Artistic-1.0
Tools to change and administer password and group data.
https://www.freebsd.org/copyright/freebsd-license.html
https://opensource.org/licenses/Artistic-1.0

shadow-securetty
4.2.1
MIT
Provider of the machine specific securetty file.
https://opensource.org/licenses/MIT

shadow-sysroot
4.2.1
BSD | Artistic-1.0
Shadow utils requirements for useradd.bbclass.
https://www.freebsd.org/copyright/freebsd-license.html
https://opensource.org/licenses/Artistic-1.0

six
1.10.0
MIT
Copyright (c) 2010-2015 Benjamin Peterson
It provides utility functions for smoothing over the differences between the Python versions with the goal of writing Python code that is compatible on both Python versions.
https://opensource.org/licenses/MIT

sqlite3
3.17.0
PD
Embeddable SQL database engine.
https://www.sqlite.org/copyright.html

swig
3.0.12
GPLv3
Simplified Wrapper and Interface Generator
http://www.gnu.org/licenses/gpl-3.0.html

tcpdump
4.9.0
BSD
A sophisticated network protocol analyzer.
https://www.freebsd.org/copyright/freebsd-license.html

unifdef
2.11
BSD
https://www.freebsd.org/copyright/freebsd-license.html

unzip60
6.0
Info-ZIP license
http://infozip.sourceforge.net/license.html

util-linux
2.29.1
GPLv2+ & LGPLv2.1+ & BSD
Util-linux includes a suite of basic system administration utilities commonly found on most Linux systems. Some of the more important utilities include disk partitioning, kernel message management, filesystem creation, and system login.
http://www.gnu.org/licenses/gpl-2.0.html
https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
https://www.freebsd.org/copyright/freebsd-license.html

util-macros
1.19.1
MIT
M4 autotools macros used by various X.org programs.
https://opensource.org/licenses/MIT

Wget
1.20
GPLv2+
GNU Wget is a free software package for retrieving files using HTTP, HTTPS, FTP and FTPS the most widely-used Internet protocols.
http://www.gnu.org/licenses/gpl-2.0.html

wireless-tools

30.pre9

GPLv2 & (LGPLv2.1 | MPL-1.1 | BSD)

Tools for the Linux Standard Wireless Extension Subsystem.

http://www.gnu.org/licenses/gpl-2.0.html

https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

https://www.mozilla.org/en-US/MPL/1.1/

https://www.freebsd.org/copyright/freebsd-license.html

wpa-supplicant

2.6

BSD

Client for Wi-Fi Protected Access (WPA).

https://www.freebsd.org/copyright/freebsd-license.html

xz

5.2.3

GPLv2+ & GPL-3.0-with-autoconf-exception & LGPLv2.1+

Utilities for managing LZMA compressed files.

http://www.gnu.org/licenses/gpl-2.0.html

http://www.gnu.org/licenses/gpl-3.0.html

https://www.gnu.org/licenses/old-licenses/lgpl-2.1.html

yasm-1.3.0

1.3.0

GPLv2

http://www.gnu.org/licenses/gpl-2.0.html

zip

3.0

Info-ZIP license.

Zip 3.0 is the first Zip update adding large file support.

http://infozip.sourceforge.net/license.html

zlib

1.2.11

Zlib

Zlib is a general-purpose, patent-free, lossless data compression library which is used by many different programs.

http://www.zlib.net/