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GCC Runtime Library Exception 3.1 to GPL 3.0

Version 3.1, 31 March 2009

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Version 2.1, February 1999

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number

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

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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.

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

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3.1.28 OpenSSL - 0.9.8x

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3.1.29 Wpa_supplicant - 2.3

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3.1.30 Pythonpsutil_2.1.3.bb

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3.1.31 Android SupportLibraries - 19.0.0

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3.1.33 axTLS - 1.1.8

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3.1.34 Action - 0.1.1

Home Page: <http://repo1.maven.org/maven2/com/ning/metrics/action/>

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3.1.35 Android - platform - frameworks – base - 4.0.1_r1

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3.1.36 Android - platform - prebuilts – sdk - 4.4_r1

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3.1.37 Android SDK Support Libraries – 19,23.1.1

Home Page: <https://developer.android.com/tools/support-library/index.html>

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3.1.38 Android SDK Support Libraries

Drools:: Scorecards - 5.5.0.Final

Home Page : <http://mirrors.ibiblio.org/maven2/org/drools/drools-scorecards/>

License: Apache License 2.0

3.1.39 Mongolduu - master-20121109

Home Page: <http://github.com/tugstugi/mongolduu/>

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3.1.40 Stan-for-Android - 0.1.0

Home Page: <http://github.com/Label305/Stan-for-Android/>

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3.1.41 doT - 1.0.1

Home Page: <http://github.com/olado/doT/>

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3.1.42 JQuery: 2.0.3

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3.1.43 jquery_mobile_rails - 1.3.2

Home Page: http://rubygems.org/gems/jquery_mobile_rails

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3.1.44 SafeSlinger-Android - 1.8.3-messenger

Home Page: <http://github.com/SafeSlingerProject/SafeSlinger-Android/>

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3.1.45 OpenSSL

Home Page: <http://www.openssl.org/>

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3.1.46 CRC32

Home Page: <http://web.mit.edu/>

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3.1.47 SHA-1 in C


Home Page: <http://www.mirrors.wiretapped.net/security/cryptography/ hashes/sha1>

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3.1.48 SyncML C Toolkit - 4.0.3

Home Page: <http://sourceforge.net/projects/syncml-ctoolkit/>

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3.1.49 CMarkup - 11.05

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3.1.50 Freescale Semiconductor CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers - 2.10 special edition

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3.1.51 LZO real-time data compression library - 2.04

Home Page <http://www.oberhumer.com/opensource/lzo/>

License: Acquired commercial license

3.1.52 UCL Data Compression Library - 1.03

Home Page: <http://www.oberhumer.com/opensource/ucl/>

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3.1.53 Android - platform - bootable – recovery - 4.0.1_r1

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3.1.54 Android - platform - bootable – recovery - 5.0.0_r1

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3.1.55 Android - platform - bootable – recovery - 2.3_r1

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3.1.56 Android - platform - system – core - 4.2

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3.1.57 File system in Userspace - 2.8.7

Home Page: <http://sourceforge.net/projects/fuse/>

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3.1.59 Android -platform - system - core/libmincrypt

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3.1.60 lucy search engine – lucy - 0.6.0

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3.1.63 Bsdiff - 4.3

Home Page: <http://github.com/geraldonetto/bsdiff/>
Home Page: <http://www.daemonology.net/bsdiff/>
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Home Page: <http://www.gnu.org/software/libc/libc.html>
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3.1.65 IGEP Linux Kernel - 2.6.28.10-igep0020b-0

Home Page: <http://www.igep.es/>
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3.1.66 squashfs - a compressed fs for Linux - squashfs4.3

Home Page: <http://sourceforge.net/projects/squashfs/>
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3.1.68 Libdivsufsort - 2.0.0

Home Page: <http://code.google.com/p/libdivsufsort/>

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3.1.69 Test-SQLite-blob - trunk-20120916-svn

Home Page: <http://code.google.com/p/test-sqlite-blob/>

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3.1.70 7 Zip - LZMA SDK - 9.2

Home Page: <http://www.7-zip.org/sdk.html>

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3.1.71 7-Zip - 7-Zip -3.11

Home Page: <http://sourceforge.net/projects/sevenzip/>

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3.1.72 CRC32 MIT.edu

Home Page: <http://web.mit.edu/freebsd/head/sys/libkern/>

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3.1.73 XZ Utils -5.0.7

Home Page: <http://tukaani.org/xz/>

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3.1.74 Zlib - 1.2.3

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3.1.75 Android - platform – dalvik - 2.1_r1

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3.1.76 gpclib

<http://github.com/rdpeng/gpclib/>

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3.1.77 Anti-Grain Geometry

Version Unspecified

<http://sourceforge.net/projects/vector-agg/>

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3.1.78 Android - platform - frameworks - base

Version android-7.0.0_r1

<https://android.googlesource.com/platform/frameworks/base>

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3.1.79 Android - platform - frameworks - base

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3.1.80 Boost C++ Libraries - boost

Version Unspecified

<http://boost.org/>

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3.1.81 gecko-dev

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<http://github.com/mozilla/gecko-dev/>

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<http://opus-codec.org>

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3.1.84 Speex

1.2beta2 dev

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3.1.85 wosh

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3.1.86 jsoncpp

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<http://sourceforge.net/projects/jsoncpp/>

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3.1.88 pugixml

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<https://stjarnhimlen.se/comp/sunriset.c>

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3.1.91 tiny-AES128-C

Version master-20141218

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<http://github.com/kokke/tiny-AES128-C/>

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3.1.92 PVRTC Library

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<https://www.imgtec.com/developers/powervr-sdk-tools/installers/>

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3.1.93 GSM 06.10 Lossy Speech Compression

Version Unspecified

<http://kbs.cs.tu-berlin.de/~jutta/toast.html>

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3.1.94 Curl and Libcurl

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3.1.95 aladdin-md5

Version Unspecified

<https://opensource.apple.com/source/cups/cups-30/cups/md5.h.auto.html>

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3.1.96 OpenGL-Examples

Version master-20141123

<http://github.com/progschj/OpenGL-Examples/>

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3.1.97 SDL

Version 2.0

<http://www.libsdl.org/index.php>

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3.1.96.1 SDL_gfx

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<http://sourceforge.net/projects/sdlgfx/>

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3.1.96.2 zlib

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3.1.98pkgconf

Version Unspecified

<http://github.com/pkgconf/pkgconf/>

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3.1.99 Code Project - C++ Memory Pool

Version 1.0

<http://www.codeproject.com/KB/cpp/MemoryPool.aspx>

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3.1.102 GStreamer

Version Unspecified

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RealVNC has made the following modifications to OpenSSL 0.9.8zf:

- The hard-coding of config options in opensslconf.h.
- The addition of compile-time
-
-
- s to remove dependencies of the C stio library and on Win32 UI.
- The addition of compile-time checks to remove filename strings from release binaries.

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- libzip.vcproj has been added.
- On Windows, in libzip.h and zipint.h, no-op ZIP_EXTERN so that we build for linking statically.
- On Windows, in mkstemp.c, pid_t and S_ISDIR have been defined, and io.h and process.h included.

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3.2.13 GCC libstdc++

This is not in our source delivery, but is statically linked in to our binary deliveries from the specified version of GCC. See <http://gcc.gnu.org/libstdc++> or <http://gcc.gnu.org/releases.html> for more information.

3.2.14 keysymdef

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3.2.18 portaudio

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3.2.19 libxml2

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3.2.19.2 hash.c

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3.2.19.3 list.c

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3.2.19.4 trio.c, trio.h

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3.2.19.5 RealVNC modifications to libxml2

This is libxml2-2.9.1. Some small changes have been made to allow it to build for QNX and Android.

3.2.20 miniupnp

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3.2.20.1 Copyright notice

Project: miniupnp

Project web page: <http://miniupnp.free.fre/> or <http://miniupnp.tuxfamily.org/>

Author: Thomas Bernard

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3.2.20.3 RealVNC modifications to

miniupnpc The following modifications

have been made:

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- Requests have been cancelled.
- MirrorLink-specific functionality has been added.
- Functionality specific to building for different hardware architectures has been added.

3.2.21 LibTomCrypt

LibTomCrypt, modular cryptographic library -- Tom St Denis

LibTomCrypt is a library that provides various cryptographic algorithms in a highly modular and flexible manner.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://libtomcrypt.com>

3.2.22 LibTomMath

LibTomMath, multiple-precision integer library -- Tom St Denis

LibTomMath is a library that provides multiple-precision integer arithmetic as well as number theoretic functionality.

The library was designed directly after the MPI library by Michael Fromberger but has been written from scratch with additional optimizations in place.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://math.libtomcrypt.com>

3.2.23 Base64.java

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Please visit <http://iharder.net/base64> periodically to check for updates or to contribute improvements.

@author Robert Harder

@author rob@iharder.net

@version 2.3.5.2.

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3.2.24 Internal Android OS APIs

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3.2.25 ExtractMpegFramesTest.java

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3.2.26 libupnp (pupnp)

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3.2.27 libudev

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3.2.28.1 RealVNC modifications to WPA Supplicant

RealVNC has applied the following patch:

<http://w1.fi/cgit/hostap/patch/?id=f2b3acc9d5.2.b91fbaccfc9dd8d408>

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3.2.28.2 ath9k_faf1dc64_backport.patch

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3.2.28.3 python-psutil_2.1.3.bb

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3.2.30 VNC Wi-Fi Display i.MX6 sample decoder

The information in this section expands upon that summarized in section 6.2, *VNC Wi-Fi Display i.MX6 sample decoder*.

3.2.31 mxcfb.h

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3.2.32 axTLS

axTLS Embedded SSL

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3.2.32 RealVNC modifications to axTLS

Some unwanted type and function definitions have been removed.


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dbus-native	0.2.0	MIT	https://github.com/sidorares/node-dbus
dbus-proxy	0.0.0-unreleasable	NA	NA
abstract-socket	1.1.0	MIT	https://github.com/saghul/node-abstractsocket
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es6-promise	2.0.1	MIT	NA
es6-promise	2.0.1	MIT	https://github.com/jakearchibald/ES6-Promises
jdataview	2.5.0	WTFPL	http://jDataView.github.io/
request	2.53.0	Apache-2.0	https://github.com/request/request
aws-sign2	0.5.0	NA	https://github.com/mikeal/aws-sign
bl	0.9.4	MIT	https://github.com/rvagg/bl
readable-stream	1.0.33	MIT	https://github.com/isaacs/readable-stream
core-util-is	1.0.1	MIT	https://github.com/isaacs/core-util-is
inherits	2.0.1	ISC	https://github.com/isaacs/inherits
isarray	0.0.1	MIT	https://github.com/juliangruber/isarray
string_decoder	0.10.31	MIT	https://github.com/rvagg/string_decoder
caseless	0.9.0	BSD	https://github.com/mikeal/caseless
combined-stream	0.0.7	NA	https://github.com/felixge/node-combined-stream
delayed-stream	0.0.5	NA	https://github.com/felixge/node-delayed-stream
forever-agent	0.5.2	NA	https://github.com/mikeal/forever-agent
form-data	0.2.0	MIT	https://github.com/felixge/node-form-data
async	0.9.0	MIT	https://github.com/caolan/async
hawk	NA	./LICENSE	NA
hawk	2.3.1	BSD	https://github.com/hueniverse/hawk
boom	2.6.1	BSD	https://github.com/hapijs/boom
cryptiles	2.0.4	BSD	https://github.com/hapijs/cryptiles
hoek	2.11.0	BSD	https://github.com/hapijs/hoek
sntp	1.0.9	BSD	https://github.com/hueniverse/sntp
http-signature	0.10.1	MIT	https://github.com/joyent/node-http-signature/
asn1	0.1.11	NA	NA
assert-plus	0.1.5	NA	https://github.com/mcavage/node-assert-plus
ctype	0.5.3	NA	https://github.com/rmustacc/node-ctype
isstream	0.1.1	MIT	https://github.com/rvagg/isstream
json-stringify-safe	5.0.0	BSD	https://github.com/isaacs/json-stringify-safe
mime-types	2.0.9	MIT	https://github.com/jshttp/mime-types

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mime-db	1.7.0	MIT	https://github.com/jshttp/mime-db
node-uuid	1.4.2	MIT	https://github.com/broofa/node-uuid
oauth-sign	0.6.0	NA	https://github.com/mikeal/oauth-sign
qs	2.3.3	BSD	https://github.com/hapijs/qs
stringstream	0.0.4	MIT	https://github.com/mhart/StringStream
tough-cookie	0.12.1	MIT	https://github.com/goinstant/tough-cookie
punycode	1.3.2	MIT	https://mths.be/punycode
tunnel-agent	0.4.0	NA	https://github.com/mikeal/tunnel-agent
mkdirp	0.5.0	MIT	https://github.com/substack/node-mkdirp
minimist	0.0.8	MIT	https://github.com/substack/minimist
xml2js	0.4.5	MIT	https://github.com/Leonidas-from-XIV/node-xml2js
sax	0.6.1	BSD	https://github.com/isaacs/sax-js
xmlbuilder	2.5.1	MIT	http://github.com/oozcitak/xmlbuilder-js
lodash	3.1.0	MIT	https://lodash.com/