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```
* NTLM is a proprietary authentication scheme developed by Microsoft
* and optimized for Windows platforms
For more information:
https://hc.apache.org/httpcomponents-client-ga/ntlm.html
```

http://download.microsoft.com/download/9/5/E/95EF66AF-9026-4BB0-A41D-A4F81802D92C/[MS-NLMP].pdf

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- * The NTLM authentication scheme is a proprietary Microsoft Windows
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1.4.2.6 NTLM Notice

- * The NTLM scheme is a proprietary Microsoft Windows Authentication
- * protocol (considered to be the most secure among currently supported
- * authentication schemes).

1.4.2.7 Cryptographic Notice

- * Cryptography support MD4. The following class was based loosely on the
- * RFC and on code found at http://www.cs.umd.edu/~harry/jotp/src/md.java.
- * Code correctness was verified by looking at MD4.java from the jcifs
- * library (http://jcifs.samba.org). It was massaged extensively to the
- * final form found here by Karl Wright (kwright@metacarta.com).

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1.8 Jackson Databind 2.10.0

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1.8.1.2 Apache Notice File

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported

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1.9 Java JWT 0.9.0

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1.10 logback-classic 1.1.3

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1.11 logback-core 1.1.3

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1.12 slf4j 1.7.25

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1.18 spring-jcl 5.3.3

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2.1 alsa-lib 1.2.4

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IEC958_AES0_CON_EMPHASIS (7<<3) /**< mask - emphasis */ define

IEC958_AES0_CON_EMPHASIS_NONE (0<<3) /**< no emphasis */ define

IEC958_AES0_CON_EMPHASIS_5015 (1<<3) /**< 50/15us emphasis */ define

IEC958_AES0_CON_MODE (3<<6) /**< m

(c) 2003 - Rear Right */ define EXTOUT_ACENTER 0x11 /* Analog Center */ define

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2.1.2.2 LGPL-2.0+

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2.1.2.3 GPL-2.0-with-Linux-syscall-note

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2.2 apk-tools 2.12.0

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Version 2.1, February 1999

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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.

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2.10.2.4 GPL-2.0-with-Linux-syscall-note

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:
lib/gssapi/generic/gssapi err generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g acquire cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g delete sec context.c
lib/gssapi/mechglue/g_dsp name.c
lib/gssapi/mechglue/g dsp status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g imp name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g inquire context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g inquire names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g rel name.c
lib/gssapi/mechglue/g rel oid set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd pname to uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid ops.c
lib/gssapi/spnego/gssapiP spnego.h
lib/gssapi/spnego/spnego mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:
include/iprop hdr.h
kadmin/server/ipropd svc.c
lib/kdb/iprop.x
lib/kdb/kdb convert.c
lib/kdb/kdb log.c
lib/kdb/kdb log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd rpc.c
kprop/kproplog.c
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include/bsd/timeconv.h
include/bsd/vis.h
man/bitstring.3bsd
man/errc.3bsd
man/explicit bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
man/funopen.3bsd
man/getbsize.3bsd
man/heapsort.3bsd
man/nlist.3bsd
man/queue.3bsd
man/radixsort.3bsd
man/reallocarray.3bsd
man/reallocf.3bsd
man/setmode.3bsd
man/strmode.3bsd
man/strnstr.3bsd
man/strtoi.3bsd
man/strtou.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcslcpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
src/nlist.c
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man/fmtcheck.3bsd
man/humanize_number.3bsd
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man/pidfile.3bsd
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man/strtonum.3bsd
src/arc4random.c
src/arc4random linux.h
src/arc4random openbsd.h
src/arc4random uniform.c
src/arc4random_unix.h
src/arc4random win.h
src/closefrom.c
src/getentropy aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy linux.c
src/getentropy osx.c
src/getentropy solaris.c
src/getentropy_win.c
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2.27 nghttp2 1.42.0

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2.27.2.4 BSL-1.0

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2.27.2.5 Apache-2.0

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2.28 openjdk8-jre-base 8.272.10-r4

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Gallium code	<pre>src/gallium/</pre>	MIT
Ext headers GL/glxext.h GL/wglext.h KHR/khrplatform.h	GL/glext.h Khronos Khronos Khronos	Khronos

include/GL/gl.h:

Mesa 3-D graphics library

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bzip2/libbzip2 version # 1.0.4 of 20 December 2006

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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.

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4.4 Logback Classic 1.2.3

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4.6 slf4j 1.7.25

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Version 2, June 1991

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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

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

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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.

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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5.4.3.14 LGPL-2.0

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Version 2, June 1991

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

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

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Version 2, June 1991

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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5.9 keyutils 1.5.10-r0

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5.10 krb5 1.15.4-r0

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zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.2, October 3rd, 2004

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5.26 libxi 1.7.9-r2

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zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.2, October 3rd, 2004

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5.34.3.47 Zlib

zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.2, October 3rd, 2004

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