Hitachi NAS V. 13.5
Open Source Software Packages

Contact Information:
Hitachi NAS
Project Manager
Hitachi Vantara LLC
2535 Augustine Drive
Santa Clara, California 95054

Name of Product/Product Component	Version	License
AES (in refcopy/cornet/9.6400/libs/kerberos/krb5.mit/src/lib/crypto/aes/)	1.3.6 and 1.12.1	MIT and others
Ant	1.7.0	Apache 2
Ant-contrib	1.0b3	Apache 1.1
Antlr	2.7.7	BSD
apt	0.7.20.2+lenny2	GPLv2
apt	0.9.7.9+deb7u7	GPLv2
Arcfour RC4 (in refcopy/cornet/9.6400/libs/kerberos/krb5.mit/src/lib/crypto/arcfour/)	1.3.5	MIT and others
Aspectjrt Aspectjweaver	1.8.2	EPL 1.0
attr	2.4.43	LGPL 2.1
avalon framework	4.3, 4.1.5	Apache2
avalon logkit	2.1, 2.0	Apache2

Name of Product/Product Component	Version	License
AWS SDK	1.11.262	Apache2
aws-swf-build-tool	1.1	Apache2
Axis2/Java	1.5.4	Apache2
Azure Storage Java SDK	8.0.0	Apache2
backport-util-concurrent-java60	3.1	public domain
Base64	2.2.1	public domain
base-passwd	3.5.2	GPL2
Bash	3.2	GPL-2+, GFDL-1.1, Various, see http://sources.debian.net/src/bash/3.2-4/debian/copyright/
Bastille	1:2.1.1_19	GPLv2
Big Number	Revision 2	See info.txt in download
bison parser framework	2.3	GPL Bison v2.2
bitstring.h	5.2	BSD
Boost library	1.61.0	The Boost Software License
Bouncy Castle Crypto APIs	1.44	Adaptation of MIT X11 License
C library strptime	1997	BSD

Name of Product/Product Component	Version	License
C3p0	0.9.1.2, 0.9.5-pre10, 0.9.5.2	LGPL 2.1
CentOS	6.2	GPL
Commons beanutils	1.8.0	Apache2
Commons CLI	1.2	Apache2
Commons codec	1.4, 1.6, 1.8, 1.9	Apache2
Commons collections	3.2	Apache2
Commons compress	1.0	Apache2
Commons configuration	1.6, 1.8, 1.9	Apache2
Commons dbcp	1.2.2	Apache2
Commons digester	1.8.1	Apache2
Commons email	1.1	Apache2
Commons File Upload	1.2.1, 1.2.2	Apache2
Commons io	1.4, 2.4	Apache2
Commons lang	2.4+3.0.1, 2.6	Apache2
commons lang3	3.1, 3.4	Apache2

Name of Product/Product Component	Version	License
Commons logging	1.1.1, 1.1.3, 1.2	Apache2
Commons net	2.0	Apache2
Commons pool	1.5.6	Apache2
Concurrent	1.3.4	Public Domain
Crypto layer from MIT Kerberos	Version 5, Release 1.2.6	MIT and others
Curl	7.41.0	http://curl.haxx.se/docs/copyright.html
Dce_guid	October 2002	Free License
Debian	Various from Lenny (5.x) and Squeeze (6.x)	see /usr/share/doc/*/copyright on Mercury or https://www.debian.org/legal/licenses/
Debian	Wheezy (7.x)	see /usr/share/doc/*/copyright on VSP-G/VSP-F or https://www.debian.org/legal/licenses/
Debian	Stretch (9.x)	see /usr/share/doc/*/copyright on VSP-N, or https://www.debian.org/legal/licenses/
debsigs	0.1.14	GPL
dejavu-fonts	2.30	Bitstream Vera & Arev copyright
dnsjava	2.1.6	BSD
dojo	1.8	http://dojotoolkit.org/license/

Name of Product/Product Component	Version	License
dom4j	2.1.1	BSD style
dpkg	1.14.31	GPL2
ECS	1.4.2	Apache 1.1
ehcache	2.10.0	Apache 2
excalibur (instrument, pool and component)	2.1	Apache 2
FastInfoSet	1.2.2	Apache 2
freemarker	2.3.9	Apache 2
Fulcrum yaafi	1.0.5	Apache 2
FUSE	2.8.4	GPLv2, LGPL 2.1
gettimeofday.c	2003	public domain
Glass Fish	3.0?	CDDL + GPLv2
glob	1.3	public domain
GNU Crypto	2.0.1	GPL with "library exception"
grub	0.97-47lenny2	GPL2
Guava	14.0 rc1, 14.0.1, 15.0, 20.0	Apache 2.0

Name of Product/Product Component	Version	License
Henry Spencer's regex library (BSD version)	alpha3.8	Henry Spencer's regex library license
Hibernate	5.2.6	LGPL 2.1
Hibernate Tools	5.1.0	LGPL 2.1
http.jar	20070405	CDDL 1.0
HttpComponents	3.1 (Client), 4.2.3 (Client and Core), 4.5 (httpclient, httpmime, httpclient-cache, fluent-hc), 4.4.1 (Core)	Apache 2.0
HttpComponents	httpclient-4.5.2, httpcore-4.4.4, httpmime-4.2.5, httpmime-4.3.3	Apache 2.0
http-tiny	1.2	http://www.demailly.com/~dl/http-tiny-1.2.tar.gz
ICU	55.1	http://source.icu-project.org/repos/icu/icu/trunk/license.html
Inno Setup	5.3.4 [2]	Inno License
ion-java	1.0.2	Apache 2.0
Jackson JSON Parser	1.9.8, 2.2.1	Apache 2.0

Name of Product/Product Component	Version	License
Jackson JSON Parser	jackson-annotations-2.6.0.jar jackson-core-2.6.6.jar jackson-databind-2.6.6.jar jackson-dataformat-cbor-2.6.6.jar	Apache 2.0
Jackson JSON Parser	jackson-annotations-2.6.0.jar jackson-core-2.6.7.jar jackson-databind-2.6.7.1.jar jackson-dataformat-cbor-2.6.7.jar	Apache 2.0
Jackson JSON Parser	jackson-core-2.9.4.jar jackson-core-asl-1.9.8.jar jackson-mapper-asl-1.9.8.jar	Apache 2.0
Javassist	3.9.0	Mozilla Public License (MPL)
javax.mail-api	1.4.6	CDDL GPL 2.0

Name of Product/Product Component	Version	License
javax.servlet	3.0.0	CDDL GPL 2.0
JAX-RS	1.17	CDDL + GPLv2
JAXB	2.1.6	jaxb-impl - EDL 1.0 jaxb-core - CDDL 1.1 GPL 2
Jaxen	1.1 beta-7	Jaxen license
JCache (JSR107)	1.0	Apache License 2.0
jclouds	1.7.1	Apache 2.0
JCommon	1.0.16	LGPL 2.1
JCS	1.3	Apache 2
Jetty	8.1.4	Apache 2
Jetty	6.0	Apache 2
Jfreechart	1.0.13	LGPL 2.1
jmespath-java	1.11.262	Apache 2.0
joda-time	2.8.1	Apache 2.0
JPam	1.1	Apache License 2.0
jQuery	1.6.2	MIT

Name of Product/Product Component	Version	License
jQuery UI	1.10.0	MIT
JRadius (core, dictionary, extended)	1.1.4	LGPL 2.1
JSON-RPC library (Now JAbsorb)	1.0	Apache License 2.0
JSP Standard Tag Library	1.2	Common Development and Distribution License (CDDL) version 1.0 + GNU General Public License (GPL) version 2
Junit	4.7, 4.8.1	Common Public License v1
Jython	2.1	Python Software Foundation License2
kernel-package	2.6.32-amd64	GPL2
libbzip2	1.0.3	The bzip2 license
libc6 dns resolver files	2.7-18lenny7	LGPL 2.1
libc6	2.7-18lenny7+0hnas1	LGPL 2.1
libc6 pthread-2.7.so	2.7-18lenny7 with cvs-dlopen-tls-memleak.patch	LGPL 2.1
libgcc1	1:4.3.2-1.1	GPLv2 with exception
libpcap	1.3.0	Sourceforge BSD
libssh2	1.4.3	http://www.libssh2.org/license.html

Name of Product/Product Component	Version	License
libssh2	0.18	http://www.libssh2.org/license.html
libstdc++ (cf SGI STL)	gcc 4.9.2-11	GPL 3 with GCC Runtime Library Exception, version 3.1
libunwind	1.4-rc1	X11 (often incorrectly referred to as MIT, there are several different MIT licenses)
locale.gen generated by ./debian/debhelper.in/locales.config from glibc	2.7-18lenny7	LGPL 2.1
Log4j	1.2.15	Apache 2
Log4cplus	1.0.4	Apache 2
logkit	2.0	Apache 2
Loki	Dates from 2002	MIT
Lua (ported by Matthewh)	5.1.3	MIT
marsaglia-c (in refcopy/cornet/9.6400/libs/random/random2.c thence in refcopy/cornet/9.6400/libs/random/Randomiser32.h)	Tue, 30 Sep 1997 05:29:35 - 0700	Not specified
mcelog	0.8~pre-8	GPL2
mchange-commons-java	0.2.8	LGPL 2.1
memtest86+	4.20	GPLv3
mingwm10.dll	3.13-1	public domain

Name of Product/Product Component	Version	License
mingwm10.dll	3.9-4	public domain
MD4.java	Revision 1.4 (was part of Cryptix 3.2.0)	Cryptix General License
munin	1.4	GPLv2
Ndmjob (sic)	1998,1999,2000	Sourceforge BSD
NDMPcopy	1999	The ndmpcopy license
NDMP SDK (tools/ndmprecover/aruba/)	NDMP SDK April 30, 2002	NDMP SDK license
Net::SSH2 Perl module (Support for the SSH 2 protocol via libssh2)	0.18.0-20071110	Copyright (C) 2005 - 2010 by David B. Robins; all rights reserved. This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself, either Perl version 5.8.0 or, at your option, any later version of Perl 5 you may have available.
net-ldap	0.8.0+hnas1	MIT
Net-SNMP	5.7.2.1	BSD-style license (see COPYING in source download)
Net-SNMP's OpenSSL embedded copy	5.7.2.1 (OpenSSL 1.0.0.beta5)	OpenSSL license (see OPENSSL-LICENSE in source download)
net-tools	1.60-22	GPL2
netbase	4.34	GPL2

Name of Product/Product Component	Version	License
netty-buffer netty-codec netty-codec-http netty-hadler netty-resolver netty-transport	4.1.17	Apache 2
NFSv4 constants	1998-2002	BSD-style
ntp	4.2.8 (2014/12/29)	http://www.eecis.udel.edu/~mills/ntp/html/copyright.html
nis	3.17-17	GPL2
Nutch	0.6	Apache 2
OpenJDK for JNI	1.8.0_102	GPLv2+ce copyright
OpenJDK for embedded SMU, HNAS Java apps on Mercury, VSP-F/G/N, Cape Horn	1.8.0-jre8u71-b00	GPLv2+ce
OpenJDK for SMU	1.8.0-jre8u212-b03-20190626	GPLv2+ce
OpenLDAP	2.2.18	The OpenLDAP Public License
OpenSSL	0.9.8k	Jttp://doc.docs.sk/mysql-refman-5.5/license-openssl-0-9-8o.html
OpenSSL	1.0.2o	OpenSSL License
org.jessies.terminator	6.83.3228	LGPL 2.1
Oro	2.0.8	Apache 2
PAM	1.0.1	BSD-style copyright (see COPYING in source download)

Name of Product/Product Component	Version	License
POCO	1.7.2.1	https://pocoproject.org/about.html#license
POCO	1.9.0	https://pocoproject.org/about.html#license
pam_radius_auth.so	1.3.17	GPL, version 2
Perl regular expression (a specific example)	0.03	See Copyright Text
Postgresql	9.6.5	BSD
Postgresql-jdbc	9.4	BSD
Prototype	1.7	MIT
PySocks	1.6.5	https://github.com/Anorov/PySocks/blob/master/LICENSE
qTip	2.0.0	MIT
Quartz	1.6.5	Apache 2
rand from eg The Single UNIX ® Specification	Version 2	https://pubs.opengroup.org/onlinepubs/007908799/copyr.html
regexp	1.3-dev	Apache 1.1
Requests	2.9.1	Apache2
rrdtool	1.3	GPL 2
ruby-ldap	0.9.7-10	3-clause BSD

Name of Product/Product Component	Version	License
ruby-net-ldap	0.8.0-1+hnas1	Expat
rsyslog	5.8.11	GPL3. Apache 2, LGPL
Schematics	2.0.0a1	BSD
screenrc from screen	4.0.3-11+lenny1	GPL 2
servletapi	2.4	Apache 2.0
Simpleyaml	1.0	MIT
SLF4J	1.5.11, 1.6.6, 1.7.7 (api), 1.7.5 (log4j12)	MIT
SLF4J	1.6.6 1.7.12 (log4j12-1.6.6)	MIT
Solnlib	Add-on builder v2.2.0	https://www.splunk.com/en_us/legal/splunk-app-end-user-license-agreement.html
SortedContainers	1.5.2	Apache2
splunk_aoblib	Add-on builder v2.2.0	https://www.splunk.com/en_us/legal/splunk-app-end-user-license-agreement.html
splunktaucclib	3.0.1	https://www.splunk.com/en_us/legal/splunk-app-end-user-license-agreement.html
splunk-sdk-python	1.6.1	Apache2
SQLite	3.7.2	copyright disclaimed

Name of Product/Product Component	Version	License
spring-beans spring-context spring-core spring-test	3.0.7	Apache 2.0
strlcpy, strlcat	1.13	BSD
sysvinit	2.86.ds1-61	GPL2
stdint.h (mingw32only variant)	3.13-1	Public domain
syslog-ng.conf from syslog-ng	2.0.9-4.1	GPL 2
Threadpool	0.2.5	The Boost Software License
Tigra Calendar	5.2	Public Domain
Tomcat	8.5.16	Apache 2.0
Texen	1.0	Apache 2.0
Torque (and Village)	3.3	Apache 2.0
Turbine	2.3.3	Apache 2.0
tzdata and tzdata-java	2014h	http://sources.debian.net/src/tzdata/2014h-1/debian/copyright/, https://github.com/eggert/tz/blob/master/README
tzdata and tzdata-java	2016j	http://sources.debian.net/src/tzdata/2016j-0%2Bdeb8u1/debian/copyright/, https://github.com/eggert/tz/blob/master/README
ua.js	1.10	BSD-style
udev /dev/ and hotplug management daemon	0.125-7+lenny3	GPL 2

Name of Product/Product Component	Version	License
udis86	pre-1.8-2014-12-25	2-clause "Simplified BSD License"
UnboundID LDAP SDK	2.3.8	LGPL, version 2.1
util-linux	2.13.1.1-1	Many
Velocity	1.6.2	Apache 2
Velocity Tools Generic	1.4	Apache 2
wsimport tool, JAX-WS RI	2.3.2	BSD-3-Clause
XDR library	1984-1990	The Sun RPC license
xbDOM.js	1.7	LGPL 2.1
Xerces	2.6.2, 2.10.0	Apache 2
Xml rpc	2.0	Apache 2
Zlib library	1.2.1	The zlib license

The text of the open source software licenses listed in this document is provided in the Open Source Software License Terms document on www.hitachivantara.com. If the open source package has been modified, an asterisk (*) appears next to the name of the package.

Note that the source code for packages licensed under the GNU General Public License or similar type of license that requires the licensor to make the source code publicly available ("GPL Software") may be available for download as indicated. If the source code for GPL Software is not included in the software or available for download, please send requests for source code for GPL Software to the contact person listed above for this product.