

# Lumada Data Integration

## v1.0.0 (Draft)

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Hitachi Vantara LLC  
2535 Augustine Dr.  
Santa Clara CA 95054

Component	Version	License	Modified
@uirouter/core	5.0.23	MIT License	
[ini4j]	0.5.1	Apache License 2.0	
A Java library for reading/writing Excel (JExcelApi)	3/24/2010	GNU Lesser General Public License v2.1 only	
A Swiss Army Knife for OSGi (bndlib)	2.3.0	Apache License 2.0	
abstract-operator	0.6.14	Apache License 2.0	
ActiveMQ Artemis JMS Client OSGi	2.5.0	Apache License 2.0	
Advanced Linux Sound Architecture (ALSA)	1.1.8	GNU Lesser General Public License v2.1 only	
aircompressor	0.1	Apache License 2.0	
aircompressor	0.3	Apache License 2.0	
alpine-baselayout	3.1.0	GNU General Public License v2.0 only	
alpine-keys	2.1	MIT License	
An open source Java toolkit for Amazon S3	0.9.0	Apache License 2.0	
An open source Java toolkit for Amazon S3	0.9.4	Apache License 2.0	
Angular	1.8.0	MIT License	
angular-animate	1.8.0	MIT License	
angular-bootstrap	1.3.3	MIT License	
angular-i18n	1.8.0	MIT License	
angular-route	v1.8.0	MIT License	
angular-sanitize	1.8.0	MIT License	
angular-translate	2.18.1	MIT License	
Annotation 1.0	1.1.1	Apache License 2.0	
antler:commons-io	2.2.0	Eclipse Public License 1.0	
ANTLR	3.5	BSD 3-clause "New" or "Revised" License	
ANTLR	3.5.2	BSD 3-clause "New" or "Revised" License	
ANTLR 3 Complete	3.5.2	BSD 3-clause "New" or "Revised" License	

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antlr-gunit	3.5.2	BSD 3-clause "New" or "Revised" License	
AOP Alliance (Java/J2EE AOP standard)	1	Public Domain	
Aopalliance Version 1.0 Repackaged As A Module	2.6.1	Sun GPL With Classpath Exception v2.0	
Apache :: JSTL module	9.3.20.v20170531	Apache License 2.0	
Apache ActiveMQ	2.5.0	Apache License 2.0	
Apache ActiveMQ	5.13.3	Apache License 2.0	
Apache Ant	1.9.1	Apache License 2.0	
Apache Aries	org.apache.aries.jmx.whiteboard-1.2.0	Apache License 2.0	
Apache Aries	spifly-1.2	Apache License 2.0	
Apache Aries Blueprint API	1.0.1	Apache License 2.0	
Apache Aries Blueprint CM	1.3.1	Apache License 2.0	
Apache Aries Blueprint Core	1.10.2	Apache License 2.0	
Apache Aries Blueprint Core Compatibility Fragment Bundle	1.0.0	Apache License 2.0	
Apache Aries Blueprint Parser	1.6.0	Apache License 2.0	
Apache Aries JMX API	1.1.5	Apache License 2.0	
Apache Aries JMX Blueprint API	1.2.0	Apache License 2.0	
Apache Aries JMX Blueprint Core	1.2.0	Apache License 2.0	
Apache Aries JMX Core	1.1.8	Apache License 2.0	
Apache Aries Proxy	1.0.1	Apache License 2.0	
Apache Aries Proxy Bundle	1.1.4	Apache License 2.0	
Apache Aries SPI Fly Dynamic Weaving Bundle	1.2	Apache License 2.0	
Apache Aries Transaction Blueprint	1.1.1	Apache License 2.0	
Apache Aries Transaction Blueprint	2.2.0	Apache License 2.0	
Apache Aries Transaction Manager	1.1.1	Apache License 2.0	
Apache Aries Transaction Manager	1.3.2	Apache License 2.0	
Apache Aries Util	1.0.0	Apache License 2.0	
Apache Aries Util	1.1.3	Apache License 2.0	
Apache Aries Whiteboard support for JMX DynamicMBean services	1.2.0	Apache License 2.0	
Apache Avro	1.6.2	Apache License 2.0	

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Apache Avro	1.8.0	Apache License 2.0	
Apache Avro IPC	1.8.0	Apache License 2.0	
Apache Avro Mapred API	1.8.0	Apache License 2.0	
Apache Bahir - Spark Streaming MQTT	2.3.2	Apache License 2.0	
Apache Calcite Avatica	1.11.0	Apache License 2.0	
Apache Calcite Avatica Metrics	1.14.0	Apache License 2.0	
Apache Camel	2.17.7	Apache License 2.0	
Apache Commons BeanUtils	1.7.0	Apache License 2.0	
Apache Commons BeanUtils	1.8.0	Apache License 2.0	
Apache Commons BeanUtils	1.9.3	Apache License 2.0	
Apache Commons CLI	1.2	Apache License 2.0	
Apache Commons Codec	1.1	Apache License 2.0	
Apache Commons Codec	1.14	Apache License 2.0	
Apache Commons Collections	3.2.2	Apache License 2.0	
Apache Commons Collections	4.1	Apache License 2.0	
Apache Commons Compress	1.2	Apache License 2.0	
Apache Commons Configuration	1.6	Apache License 2.0	
Apache Commons Configuration	1.9	Apache License 2.0	
Apache Commons Configuration	2.1.1	Apache License 2.0	
Apache Commons Crypto	1.0.0	Apache License 2.0	
Apache Commons Daemon	1.0.13	Apache License 2.0	
Apache Commons Daemon	1.1.0	Apache License 2.0	
Apache Commons DBCP	1.4	Apache License 2.0	
Apache Commons Digester	1.8	Apache License 1.1	
Apache Commons FileUpload	1.3.2	Apache License 2.0	
Apache Commons FileUpload	commons-fileupload-1.4	Apache License 2.0	
Apache Commons IO (for Apache Directory Studio)	2.1	Apache License 2.0	
Apache Commons Lang	2.6	Apache License 2.0	
Apache Commons Lang	3	Apache License 2.0	
Apache Commons Lang	3.3.2	Apache License 2.0	
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Apache Commons Net	3.1	Apache License 2.0	
Apache Commons Net	3.6	Apache License 2.0	
Apache Commons Pool	1.5.7	Apache License 2.0	
Apache Commons Validator	1.3.1	Apache License 2.0	
Apache Commons VFS Jackrabbit 1	2.5.0	Apache License 2.0	
Apache CXF	3.3.1	Apache License 2.0	
Apache CXF Karaf Commands	3.3.1	Apache License 2.0	
Apache Derby	10.10.2.0	Apache License 2.0	
Apache Derby	10.14.2.0	Apache License 2.0	
Apache Derby Client JDBC Driver	10.2.1.6	Apache License 2.0	
Apache Derby Tools	10.2.1.6	Apache License 2.0	
Apache Directory API ASN.1 API	1.0.0-M19	Apache License 2.0	
Apache Directory LDAP API Client All	1.0.0-M31	Apache License 2.0	
Apache Directory LDAP API Utilities	1.0.0-M20	Apache License 2.0	
Apache Directory Studio	2.0.0-M15	Apache License 2.0	
Apache Extras Companion for log4j 1.2.	1.2.17	Apache License 2.0	
Apache Felix Configuration Admin Service	1.9.14	Apache License 2.0	
Apache Felix Coordinator Service	1.0.2	Apache License 2.0	
Apache Felix Declarative Services	2.1.16	Apache License 2.0	
Apache Felix EventAdmin	1.5.0	Apache License 2.0	
Apache Felix File Install	3.6.4	Apache License 2.0	
Apache Felix File Install	3.6.6	Apache License 2.0	
Apache Felix Framework	5.6.12	Apache License 2.0	
Apache Felix Gogo Command	1.0.0	Apache License 2.0	
Apache Felix Gogo JLine Shell	1.1.4	Apache License 2.0	
Apache Felix Http Api	3.0.0	Apache License 2.0	
Apache Felix Http Base	4.0.6	Apache License 2.0	

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Apache Felix HTTP Service	3.4.4	Apache License 2.0	
Apache Felix Inventory	1.0.4	Apache License 2.0	
Apache Felix Metatype Service	1.2.2	Apache License 2.0	
Apache Felix Resolver	1.14.0	Apache License 2.0	
Apache Felix Resolver	1.16.0	Apache License 2.0	
Apache Felix Utils	1.11.2	Apache License 2.0	
Apache Felix Utils	1.9.0	Apache License 2.0	
Apache Felix Web Console Event Plugin	1.1.8	Apache License 2.0	
Apache Felix Web Console Service Component Runtime/Declarative Services Plugin	2.1.0	Apache License 2.0	
Apache Geronimo Annotation Spec 1.3	1.3	Apache License 2.0	
Apache Geronimo JAX-WS 2.2 API	2.9.0	Apache License 2.0	
Apache Geronimo JCache Spec 1.0	1.0-alpha-1	Apache License 2.0	
Apache Groovy	2.4.8	Apache License 2.0	
Apache Hadoop	2.7.3.2.6.5.3014-12	Apache License 2.0	
Apache Hadoop	2.8.5	Apache License 2.0	
Apache Hadoop	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop Amazon Web Services support	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop Annotations	2.8.5	Apache License 2.0	
Apache Hadoop Annotations	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop Auth	2.8.5	Apache License 2.0	
Apache Hadoop Auth	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop Client	2.7.4	Apache License 2.0	
Apache Hadoop Client	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop Distributed Copy	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache Hadoop HDFS Client	2.8.5	Apache License 2.0	
Apache Hadoop HDFS Client	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase - HTTP	2.0.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase - MapReduce	2.0.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase - Metrics API	1.4.8	Apache License 2.0	

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Apache HBase - Metrics API	2.0.0.3.0.0.0-1574	Apache License 2.0	
Apache HBase - Metrics Implementation	1.4.8	Apache License 2.0	
Apache HBase - Metrics Implementation	2.0.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase - Replication	2.0.0.3.0.0.0-1574	Apache License 2.0	
Apache HBase - Shaded Protocol	2.0.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase - Zookeeper	2.0.0.3.0.0.0-1634	Apache License 2.0	
Apache HBase Patched & Relocated (Shaded) Protobuf	2.1.0	Apache License 2.0	
Apache HBase Relocated (Shaded) Netty Libs	2.1.0	Apache License 2.0	
Apache HBase Relocated (Shaded) Third-party Miscellaneous Libs	2.1.0	Apache License 2.0	
Apache Hive	2.3.4	Apache License 2.0	
Apache Hive	3.1.0.3.0.0.0-1634	Apache License 2.0	
Apache HttpClient	4.0.2	Apache License 2.0	
Apache HttpClient	4.5.4	Apache License 2.0	
Apache HttpClient	4.5.9	Apache License 2.0	
Apache HttpComponents Core	4.4.10	Apache License 2.0	
Apache HttpComponents Core	4.4.11	Apache License 2.0	
Apache HttpComponents Core	4.4.8	Apache License 2.0	
Apache HttpMime	4.5.6	Apache License 2.0	
Apache Kafka	0.10.2.2	Apache License 2.0	
Apache Kafka	1.0.2	Apache License 2.0	
Apache Karaf :: Assemblies :: Features :: Base	4.2.6	Apache License 2.0	
Apache Karaf :: Assembly	4.2.6	Apache License 2.0	
Apache Karaf :: Blueprint Deployer	4.2.6	Apache License 2.0	
Apache Karaf :: Bundle :: BlueprintStateService	4.2.6	Apache License 2.0	
Apache Karaf :: Bundle :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Bundle :: SpringStateService	4.2.6	Apache License 2.0	
Apache Karaf :: Client	4.2.6	Apache License 2.0	
Apache Karaf :: ConfigAdmin :: Core	4.2.6	Apache License 2.0	

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Apache Karaf :: Deployer :: Karaf Archive (.kar)	4.2.6	Apache License 2.0	
Apache Karaf :: Deployer :: Wrap Non OSGi Jar	2.4.0.redhat-621107	Apache License 2.0	
Apache Karaf :: Deployer :: Wrap Non OSGi Jar	4.2.6	Apache License 2.0	
Apache Karaf :: Diagnostic :: Boot	4.2.6	Apache License 2.0	
Apache Karaf :: Diagnostic :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Features :: Command	4.2.6	Apache License 2.0	
Apache Karaf :: Features :: Extension	4.2.6	Apache License 2.0	
Apache Karaf :: Features :: Extension	4.2.8	Apache License 2.0	
Apache Karaf :: Features :: Extension (Hitachi patched version)	4.2.6-R1	Apache License 2.0	
Apache Karaf :: Features Core	4.2.6	Apache License 2.0	
Apache Karaf :: Features Deployer	4.2.6	Apache License 2.0	
Apache Karaf :: HTTP :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Instance :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: JAAS :: Blueprint :: Config	4.2.6	Apache License 2.0	
Apache Karaf :: Jaas :: Command	4.2.6	Apache License 2.0	
Apache Karaf :: JAAS Boot	4.2.6	Apache License 2.0	
Apache Karaf :: JAAS Config	4.2.6	Apache License 2.0	
Apache Karaf :: JAAS Modules	4.2.6	Apache License 2.0	
Apache Karaf :: KAR :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Log :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Main	4.2.6	Apache License 2.0	
Apache Karaf :: Management	4.2.6	Apache License 2.0	
Apache Karaf :: OSGi Services :: Event	4.2.6	Apache License 2.0	
Apache Karaf :: OSGi Services :: EventAdmin	4.2.6	Apache License 2.0	
Apache Karaf :: Package :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: SCR :: Bundle State	4.2.6	Apache License 2.0	
Apache Karaf :: SCR :: Management MBeans	4.2.6	Apache License 2.0	
Apache Karaf :: Service :: Core	4.2.6	Apache License 2.0	

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Apache Karaf :: Shell :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Shell :: Table	4.2.6	Apache License 2.0	
Apache Karaf :: Shell Console	4.2.6	Apache License 2.0	
Apache Karaf :: Shell SSH	4.2.6	Apache License 2.0	
Apache Karaf :: Shell Various Commands	4.2.6	Apache License 2.0	
Apache Karaf :: Specs :: Activator	4.2.6	Apache License 2.0	
Apache Karaf :: Specs :: Locator	4.2.6	Apache License 2.0	
Apache Karaf :: Spring Deployer	4.2.6	Apache License 2.0	
Apache Karaf :: System :: Core	4.2.0.fuse-710024-redhat-00002	Apache License 2.0	
Apache Karaf :: System :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: System :: Core	4.2.6.fuse-760032-redhat-00001	Apache License 2.0	
Apache Karaf :: Util	4.2.6	Apache License 2.0	
Apache Karaf :: Web :: Core	4.2.6	Apache License 2.0	
Apache Karaf :: Web Console :: HTTP Plugin	4.2.6	Apache License 2.0	
Apache Karaf :: Wrapper :: Core	4.2.6	Apache License 2.0	
Apache log4j	1.2.17	Apache License 2.0	
Apache log4j	2.8.2	Apache License 2.0	
Apache MINA Core API	2.0.9	Apache License 2.0	
Apache Mina SSHD :: Core	1.7.0	Apache License 2.0	
Apache Oltu - OAuth 2.0 - Client	1.0.2	Apache License 2.0	
Apache Oltu - OAuth 2.0 - Common	1.0.2	Apache License 2.0	
Apache Oozie Client	3.1.3-incubating	Apache License 2.0	
Apache Oozie Client	4.3.1	Apache License 2.0	
Apache Oozie Client	5.0.0	Apache License 2.0	
Apache Oozie Core	3.1.3-incubating	Apache License 2.0	
Apache Oozie Hadoop Auth hadoop-1-4.2.0	hadoop-2-4.3.1	Apache License 2.0	
Apache ORO	2.0.8	Apache License 1.1	
Apache Parquet Column	1.10.0.3.0.0.0-1574	Apache License 2.0	
Apache Parquet Column	1.8.1	Apache License 2.0	
Apache Parquet Format (Incubating)	2.3.0-incubating	Apache License 2.0	
Apache Parquet Format (Incubating)	2.4.0	Apache License 2.0	



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Apache Parquet Hadoop	1.8.1	Apache License 2.0	
Apache Parquet Hadoop Bundle	1.10.0.3.1.0.235-10	Apache License 2.0	
Apache Parquet Hadoop Bundle	1.8.1	Apache License 2.0	
Apache Parquet Jackson	1.10.0.3.0.0.0-1634	Apache License 2.0	
Apache Parquet Jackson	1.8.1	Apache License 2.0	
Apache Pig	0.16.0.2.6.1.5-1	Apache License 2.0	
Apache Pig	0.17.0	Apache License 2.0	
Apache POI	3.17	Apache License 2.0	
Apache POI: OOXML	3.17	Apache License 2.0	
Apache POI: OOXML-schemas	3.17	Apache License 2.0	
Apache Santuario (Java)	1.3.1	Apache License 2.0	
Apache ServiceMix	4.4.0	Apache License 2.0	
Apache ServiceMix :: Bundles :: FastInfoset	1.2.16_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: javax.inject	1_2	Apache License 2.0	
Apache ServiceMix :: Bundles :: jaxb-runtime	2.3.1_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: jaxb-xjc	2.3.1_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: not-yet-commons-ssl	0.3.11_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-aop	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-aop	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-beans	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-beans	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-context	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-context	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-context-support	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-context-support	4.3.23.RELEASE_1	Apache License 2.0	

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Apache ServiceMix :: Bundles :: spring-core	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-core	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-expression	3.2.18.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-expression	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-messaging	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Bundles :: spring-tx	4.3.23.RELEASE_1	Apache License 2.0	
Apache ServiceMix :: Specs :: JAX-RS API 2.1	2.9.1	Apache License 2.0	
Apache ServiceMix :: Specs :: JAXB API 2.2	2.6.0	Apache License 2.0	
Apache ServiceMix :: Specs :: JAXB API 2.2	2.9.0	Apache License 2.0	
Apache ServiceMix Bundles: aopalliance-1.0	1.0_6	Apache License 2.0	
Apache ServiceMix Bundles: cglib-2.1_3	3.2.4_1	Apache License 2.0	
Apache ServiceMix Bundles: xmlresolver-1.2	1.2_5	Apache License 2.0	
Apache ServiceMix Bundles: xstream-1.3	1.4.9_1	Apache License 2.0	
Apache ServiceMix Specs :: ACTIVATION API 1.4	2.6.0	Apache License 2.0	
Apache ServiceMix Specs :: ACTIVATION API 1.4	2.9.0	Apache License 2.0	
Apache ServiceMix Specs :: JAXWS API 2.1	2.9.0	Apache License 2.0	
Apache ServiceMix Specs :: Locator	2.10.0.fuse-000110-redhat-1	Apache License 2.0	
Apache ServiceMix Specs :: Locator	2.6.0	Apache License 2.0	
Apache ServiceMix Specs :: SAAJ API 1.3	2.9.0	Apache License 2.0	
Apache ServiceMix Specs :: STAX API 1.0	2.6.0	Apache License 2.0	
Apache ServiceMix Specs :: STAX API 1.0	2.9.0	Apache License 2.0	
Apache Standard Taglib Implementation	1.2.5	Apache License 2.0	

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Apache Standard Taglib Implementation	1.2.6-RC1	Apache License 2.0	
Apache Taglibs	1.2.5	Apache License 2.0	
Apache Thrift	0.6.1	Apache License 2.0	
Apache Thrift	0.9.3	Apache License 2.0	
Apache Tomcat	5.5.23	Apache License 2.0	
Apache Tomcat	8.0.33	Apache License 2.0	
Apache Tomcat	8.5.27	Apache License 2.0	
Apache Tomcat	8.5.41	Apache License 2.0	
Apache Velocity	1.7	Apache License 2.0	
Apache XBean :: ASM 4 Util	4.9	Apache License 2.0	
Apache XBean OSGI Bundle Utilities	4.12	Apache License 2.0	
Apache Xerces2 J	2.12.0	Apache License 2.0	
Apache XML Commons	1.4.01	Apache License 2.0	
Apache XML Graphics Commons	2.2	Apache License 2.0	
Apache Yetus - Audience Annotations	0.5.0	Apache License 2.0	
Apache ZooKeeper	3.4.6	Apache License 2.0	
Apache ZooKeeper	3.4.6.3.0.0.0-1574	Apache License 2.0	
ApacheDS Protocol Kerberos Codec	2.0.0-M15	Apache License 2.0	
args4j	2.33	MIT License	
Arrow Format	0.8.0.3.0.0.0-1574	Apache License 2.0	
Arrow Memory	0.8.0.3.0.0.0-1634	Apache License 2.0	
Arrow Vectors	0.8.0.3.0.0.0-1634	Apache License 2.0	
ASM	3.1	BSD 3-clause "New" or "Revised" License	
ASM	3.2	BSD 3-clause "New" or "Revised" License	
ASM	5.0.4	BSD 3-clause "New" or "Revised" License	
ASM	7.1	BSD 3-clause "New" or "Revised" License	
ASM based accessors helper used by json-smart	1.1	Apache License 2.0	
ASM based accessors helper used by json-smart	1.2	Apache License 2.0	

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ASM Commons	7.0-beta	BSD 3-clause "New" or "Revised" License	
ASM Commons	7.1	BSD 3-clause "New" or "Revised" License	
ASM Tree	3.1	BSD 3-clause "New" or "Revised" License	
ASM Tree	5.0.1	BSD 3-clause "New" or "Revised" License	
ASM Tree	7.1	BSD 3-clause "New" or "Revised" License	
ASM Util	7.0-beta	BSD 3-clause "New" or "Revised" License	
ASM Util	7.1	BSD 3-clause "New" or "Revised" License	
asm-analysis	7	BSD 3-clause "New" or "Revised" License	
asm-analysis	7.1	BSD 3-clause "New" or "Revised" License	
Automaton	1.11-8	BSD 3-clause "New" or "Revised" License	
Avalon Framework API	4.3	Apache License 2.0	
avalon-framework	4.1.5	Apache License 1.0	
AWS Java SDK for Amazon EMR	1.11.275	Apache License 2.0	
AWS Java SDK for Amazon S3	1.11.275	Apache License 2.0	
AWS Java SDK for AWS IAM	1.11.275	Apache License 2.0	
AWS Java SDK for AWS Pricing	1.11.275	Apache License 2.0	
AWS SDK for Java	1.11.275	Apache License 2.0	
AWS SDK for Java - Bundle	1.11.271	Apache License 2.0	
AWS SDK for Java - Core	1.11.275	Apache License 2.0	
Axis2 (Java)	1.5	Apache License 2.0	
barbecue	1.5-beta1	BSD 3-clause "New" or "Revised" License	
Barcode4J	2	Apache License 2.0	
Bash	4.4.12	GNU General Public License v3.0 only	
Batik XML utility library	1.9.1	Apache License 2.0	

Component	Version	License	Modified
Bean Validation API	2.0.2	Apache License 2.0	
BeanShell	1.3.0	GNU Lesser General Public License v2.1 or later	
beanvalidation-api	1.0.0.GA	Apache License 2.0	
Blueprints: A Property Graph Model Interface	2.6.0	BSD 3-clause "New" or "Revised" License	
bnd Annotations Library	2.3.0	Apache License 2.0	
BoneCP	0.8.0.RELEASE	Apache License 2.0	
Bootstrap (Twitter)	3.0.0	Apache License 2.0	
Bouncy Castle	1.65	MIT License	
Bouncy Castle	138	MIT License	
Bouncy Castle PKIX, CMS, EAC, TSP, PKCS, OCSP, CMP, and CRMF APIs	1.56	MIT License	
Brooklyn REST JavaScript Web GUI	0.6.0-rc.3	Apache License 2.0	
bsf	2.4.0	Apache License 1.1	
BSON	3.10.1	Apache License 2.0	
Bundled Oracle Java JRE	8.0.242	GNU General Public License v2.0 w/Classpath exception	
BusyBox	1_32_0	GNU General Public License v2.0 or later	
ca-certificates	20190108	Mozilla Public License 2.0	
Calcite Core	1.10.0	Apache License 2.0	
Calcite Core	1.16.0.3.0.0.0-1634	Apache License 2.0	
Calcite Druid	1.10.0	Apache License 2.0	
Calcite Druid	1.16.0.3.0.0.0-1634	Apache License 2.0	
Calcite Linq4j	1.10.0	Apache License 2.0	
Calcite Linq4j	1.16.0.3.0.0.0-1634	Apache License 2.0	
Camel :: Platforms :: Apache Karaf :: Commands	2.17.7	Apache License 2.0	
cde-osgi-impl	8.1.0.4-595	Apache License 2.0	
CDI APIs	1.2	Apache License 2.0	
cglib	2.2	Apache License 2.0	
cglib	3.2.4	Apache License 2.0	
Closure Compiler	v20161201	Apache License 2.0	
Closure Compiler Externs	v20161201	Apache License 2.0	

Component	Version	License	Modified
codehaus-jackson-mapper-asl	1.9.2	Apache License 2.0	
Codemodel Core	2.3.1	Common Development and Distribution License 1.1	
com.liferay.commerce.openapi.core.impl	1.0.7	GNU Lesser General Public License v2.1 only	
com.liferay.rss.util	1.0.18	GNU Lesser General Public License v2.1 only	
com.springsource.com.sun.syndication	1.0.0	Apache License 2.0	
com.springsource.org.apache.commons.cli	1.2.0	Apache License 2.0	
com.springsource.org.apache.commons.io	1.4.0	Apache License 2.0	
com.yahoo.datasketches:memory	0.9.0	Apache License 2.0	
com.yahoo.datasketches:sketches-core	0.9.0	Apache License 2.0	
Commands	3.3.0	Eclipse Public License 1.0	
Common Eclipse Runtime	3.3.0.v20070426	Eclipse Public License 2.0	
common-ui-impl-client-config-folder-enabler	8.2.0.0-342	Apache License 2.0	
Commons Compiler	2.7.6	BSD 3-clause "New" or "Revised" License	
Commons Compiler	3.0.8	BSD 3-clause "New" or "Revised" License	
Commons IO	1.4	Apache License 2.0	
Commons IO	2.1	Apache License 2.0	
Commons IO	2.2	Apache License 2.0	
Commons IO	2.4	Apache License 2.0	
Commons IO	2.5	Apache License 2.0	
Commons IO	2.6	Apache License 2.0	
Commons XPath	1.3	Apache License 2.0	
Commons VFS Core	2.3	Apache License 2.0	
commons-io	1.4.0	Apache License 2.0	
commons-lang	3.3.0	Apache License 2.0	
commons.io.wso2	1.4.0.wso2v1	Apache License 2.0	
Concourse CI	v5.4.1	Apache License 2.0	
core-commands	3.3.0	Eclipse Public License 2.0	

Component	Version	License	Modified
Curator Client	2.12.0	Apache License 2.0	
Curator Client	2.7.1	Apache License 2.0	
Curator Framework	2.12.0	Apache License 2.0	
Curator Framework	2.7.1	Apache License 2.0	
Curator Recipes	2.12.0	Apache License 2.0	
Curator Recipes	2.7.1	Apache License 2.0	
DataNucleus	4.1.17	Apache License 2.0	
DataNucleus	4.1.19	Apache License 2.0	
DataNucleus	4.2.4	Apache License 2.0	
dataquality-semantic	1.5.0	Apache License 2.0	
datatables.net	1.10.12	MIT License	
datatables.net-bs	1.10.12	MIT License	
datatables.net-colreorder	1.3.2	MIT License	
datatables.net-colreorder-bs	1.3.2	MIT License	
datatables.net-fixedheader	3.1.1	MIT License	
datatables.net-fixedheader-bs	3.1.1	MIT License	
datatables.net-scroller	1.4.2	MIT License	
datatables.net-scroller-bs	1.4.2	MIT License	
dijit	1.9.2	BSD 3-clause "New" or "Revised" License	
Disruptor Framework	3.3.0	Apache License 2.0	
Disruptor Framework	3.3.6	Apache License 2.0	
Dojo Toolkit	1.9.2	BSD 3-clause "New" or "Revised" License	
dom4j: flexible XML framework for Java	2.1.1	BSD 3-clause "New" or "Revised" License	
Eclipse ECJ	4.4.2	Eclipse Public License 1.0	
Eclipse ECJ	4.5.1	Eclipse Public License 1.0	
Eclipse ECJ	4.6.3	Eclipse Public License 1.0	
Eclipse IDE for Java	4.6	Eclipse Public License 1.0	
Eclipse Jetty	7.6.0.v20120127	Apache License 2.0	
Eclipse Jetty	9.3.20.v20170531	Apache License 2.0	
edtFTPj	2.1.0	GNU Lesser General Public License v2.1 only	

Component	Version	License	Modified
Ehcache	2.5.1	Apache License 2.0	
Ehcache	2.8.3	Apache License 2.0	
Ehcache	3.3.1	Apache License 2.0	
Ehcache JCache Implementation	1.0.0	Apache License 2.0	
Ehcache Size-Of Agent	1.0.1	Apache License 2.0	
eigenbase-properties	1.1.2	Apache License 2.0	
eigenbase-properties	1.1.5	Apache License 2.0	
eigenbase-resgen	1.3.1	Apache License 2.0	
eigenbase-xom	1.3.5	Apache License 2.0	
Elasticsearch Kubernetes cloud plugin	4.6.2	Apache License 2.0	
Elasticsearch Kubernetes cloud plugin	4.7.1	Apache License 2.0	
Enunciate - Core Annotations	1.27	Apache License 2.0	
Enunciate - Core Annotations	1.28	Apache License 2.0	
Enunciate - Jersey Runtime	1.27	Apache License 2.0	
Expression Language 3.0	3.0.1-b11	Common Development and Distribution License 1.1	
Expression Language 3.0	3.0.2	Eclipse Public License 2.0	
Expression Language 3.0 API	3.0.2	Eclipse Public License 2.0	
Expression Language 3.0 API	3.0.3	Eclipse Public License 2.0	
Expression Language API	3.0.0	Common Development and Distribution License 1.1	
Expression Language API	3.0.1-b06	Common Development and Distribution License 1.1	
external-objenesis	1.0.4	Apache License 2.0	
Fabric8 :: Kubernetes Model	4.6.2	Apache License 2.0	
Fabric8 :: Kubernetes Model	4.7.1	Apache License 2.0	
Fabric8 :: Kubernetes Model :: Admission Registration, Authentication and Authorization	4.10.1	Apache License 2.0	
Fabric8 :: Kubernetes Model :: Common	4.6.2	Apache License 2.0	
Fabric8 :: Kubernetes Model :: Common	4.7.1	Apache License 2.0	
Fast Infoset	1.2.13	Apache License 2.0	
fast-serialization	2.5	Apache License 2.0	
fastutil	6.5.6	Apache License 2.0	



Component	Version	License	Modified
feed4j	1	GNU Lesser General Public License v2.1 only	
FindBugs jsr305	3.0.0	Apache License 2.0	
FindBugs-Annotations	3.0.0	GNU Lesser General Public License v2.1 or later	
Firebird	2.1.6	GNU Lesser General Public License v2.1 or later	
FlatBuffers Java API	1.2.0-3f79e055	Apache License 2.0	
Flexjson	2.1	Apache License 2.0	
Flexjson	3.3	Apache License 2.0	
ftp4che	0.7.1	GNU Lesser General Public License v2.0	
gateway-shell	1.0.0.3.0.0.0-1634	Apache License 2.0	
Generex	1.0.2	Apache License 2.0	
geometry-api-java	2.0.0	Apache License 2.0	
georss-rome	0.9.8	Apache License 2.0	
Geronimo OSGi-enable spec bundle locator	1	Apache License 2.0	
Geronimo TxManager :: Transaction	3.1.1	Apache License 2.0	
Geronimo TxManager :: Transaction	3.1.4	Apache License 2.0	
geronimo-spec-j2ee-management	1.0-rc3	Apache License 2.0	
GlassFish High Availability APIs and SPI	3.1.10	Common Development and Distribution License 1.1	
gmbal	3.1.0-b001	Common Development and Distribution License 1.1	
GNU Ncurses	6.1_p20190420	MIT v2 with Ad Clause License	
Google Guice	3	Apache License 2.0	
Google Guice	4	Apache License 2.0	
google-gson	2.2.4	Apache License 2.0	
google-gson	2.7	Apache License 2.0	
Gremlin-Java: Gremlin for the Java Language	2.6.0	BSD 3-clause "New" or "Revised" License	
grizzly-framework	2.3.25	Common Development and Distribution License 1.1	
grizzly-http	2.3.25	Common Development and Distribution License 1.1	
grizzly-http-server	2.3.25	Common Development and Distribution License 1.1	

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Component	Version	License	Modified
guava	24.3	Apache License 2.0	
Guava: Google Core Libraries for Java	11.0.2	Apache License 2.0	
Guava: Google Core Libraries for Java	17	Apache License 2.0	
Guava: Google Core Libraries for Java	19	Apache License 2.0	
Guava: Google Core Libraries for Java	20	Apache License 2.0	
Guava: Google Core Libraries for Java	21	Apache License 2.0	
GWT (formerly Google Web Toolkit)	2.5.0	Apache License 2.0	
gwt-servlet	2.5.1	Google Web Toolkit Terms License	
H2 Database Engine	1.2.131	Mozilla Public License 1.1	
Hadoop Cluster Plugin UI	9.1.0.0-313	Apache License 2.0	
Hadoop Metrics2 Reporter for Dropwizard Metrics	0.1.2	Apache License 2.0	
hadoop-mapreduce-client-app	2.7.4	Apache License 2.0	
hadoop-mapreduce-client-common	2.7.4	Apache License 2.0	
hadoop-mapreduce-client-common	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-mapreduce-client-core	2.8.5	Apache License 2.0	
hadoop-mapreduce-client-core	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-mapreduce-client-jobclient	2.7.4	Apache License 2.0	
hadoop-mapreduce-client-jobclient	3.1.0.3.0.0.0-1574	Apache License 2.0	
hadoop-mapreduce-client-shuffle	2.7.4	Apache License 2.0	
hadoop-yarn-api	2.8.5	Apache License 2.0	
hadoop-yarn-api	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-yarn-client	2.7.4	Apache License 2.0	
hadoop-yarn-client	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-yarn-common	2.8.5	Apache License 2.0	
hadoop-yarn-common	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-yarn-registry	2.7.1	Apache License 2.0	
hadoop-yarn-server-applicationhistory service	2.7.2	Apache License 2.0	
hadoop-yarn-server-applicationhistory service	3.1.0.3.0.0.0-1634	Apache License 2.0	

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Component	Version	License	Modified
hadoop-yarn-server-common	2.7.4	Apache License 2.0	
hadoop-yarn-server-common	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-yarn-server-resourcemanager	2.7.2	Apache License 2.0	
hadoop-yarn-server-resourcemanager	3.1.0.3.0.0.0-1634	Apache License 2.0	
hadoop-yarn-server-web-proxy	2.7.2	Apache License 2.0	
hadoop-yarn-server-web-proxy	3.1.0.3.0.0.0-1634	Apache License 2.0	
HawtBuf	1.11	Apache License 2.0	
HawtJNI Runtime	1.17	Apache License 2.0	
HawtJNI Runtime	1.9	Apache License 2.0	
HBase - Annotations	1.4.8	Apache License 2.0	
HBase - Client	1.4.8	Apache License 2.0	
HBase - Client	2.0.0.3.0.0.0-1634	Apache License 2.0	
HBase - Common	1.4.8	Apache License 2.0	
HBase - Common	2.0.0.3.0.0.0-1634	Apache License 2.0	
HBase - Hadoop Compatibility	1.4.8	Apache License 2.0	
HBase - Hadoop Compatibility	2.0.0.3.0.0.0-1634	Apache License 2.0	
HBase - Hadoop Two Compatibility	1.4.8	Apache License 2.0	
HBase - Hadoop Two Compatibility	2.0.0.3.0.0.0-1574	Apache License 2.0	
HBase - Prefix Tree	1.4.8	Apache License 2.0	
HBase - Procedure	1.4.8	Apache License 2.0	
HBase - Procedure	2.0.0.3.0.0.0-1574	Apache License 2.0	
HBase - Protocol	1.4.8	Apache License 2.0	
HBase - Protocol	2.0.0.3.0.0.0-1634	Apache License 2.0	
HBase - Server	1.4.8	Apache License 2.0	
HBase - Server	2.0.0.3.0.0.0-1634	Apache License 2.0	
Hibernate Commons Annotations	3.2.0.Final	GNU Lesser General Public License v2.1 or later	
Hibernate ORM	3.6.9	GNU Lesser General Public License v2.1 or later	
Hibernate Validator	6.0.17.Final	Apache License 2.0	
high_scale_lib.wso2	1.1.2.wso2v1	Public Domain	
Highly Scalable Java	1.1.2	Public Domain	
HikariCP	2.4.12	Apache License 2.0	

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HikariCP	2.5.1	Apache License 2.0	
Hive Classifications	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Llap Client	2.3.4	Apache License 2.0	
Hive Llap Client	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Llap Common	2.3.4	Apache License 2.0	
Hive Llap Common	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Llap Server	2.3.4	Apache License 2.0	
Hive Llap Server	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Llap Tez	2.3.4	Apache License 2.0	
Hive Llap Tez	3.1.0.3.0.0.0-1574	Apache License 2.0	
Hive Service RPC	2.3.4	Apache License 2.0	
Hive Service RPC	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Shims 0.23	2.3.4	Apache License 2.0	
Hive Shims 0.23	3.1.0.3.1.0.235-10	Apache License 2.0	
Hive Shims Common	2.3.4	Apache License 2.0	
Hive Shims Common	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Shims Scheduler	2.3.4	Apache License 2.0	
Hive Shims Scheduler	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Standalone Metastore	3.1.0.3.0.0.0-1634	Apache License 2.0	
Hive Storage API	2.2.1	Apache License 2.0	
Hive Storage API	2.3.0.3.0.0.0-1634	Apache License 2.0	
Hive Vector-Code-Gen Utilities	2.3.4	Apache License 2.0	
Hive Vector-Code-Gen Utilities	3.1.0.3.0.0.0-1574	Apache License 2.0	
hive-cli	2.3.4	Apache License 2.0	
hive-cli	3.1.0.3.0.0.0-1634	Apache License 2.0	
hive-jdbc	2.3.4	Apache License 2.0	
hive-jdbc	3.1.0.3.0.0.0-1634	Apache License 2.0	
hive-jdbc	3.1.0.3.1.0.111-1	Apache License 2.0	
hive-metastore	2.3.4	Apache License 2.0	
hive-metastore	3.1.0.3.0.0.0-1634	Apache License 2.0	
hive-serde	2.3.4	Apache License 2.0	
hive-serde	3.1.0.3.0.0.0-1634	Apache License 2.0	

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hive-service	2.3.4	Apache License 2.0	
hive-service	3.1.0.3.0.0.0-1634	Apache License 2.0	
hive-shims	2.3.4	Apache License 2.0	
hive-shims	3.1.0.3.1.0.235-10	Apache License 2.0	
HK2 API module	2.6.1	Eclipse Public License 2.0	
HK2 Implementation Utilities	2.6.1	Eclipse Public License 2.0	
HOWL logger	1.0.1-1	BSD 3-clause "New" or "Revised" License	
HPPC	0.7.2	Apache License 2.0	
htrace-core	3.1.0-incubating	Apache License 2.0	
htrace-core	3.2.0-incubating	Apache License 2.0	
htrace-core	4.0.1-incubating	Apache License 2.0	
htrace-core	4.1.0-incubating	Apache License 2.0	
HyperSQL Database Engine	2.3.2	BSD 3-clause "New" or "Revised" License	
ICU4J	54.1.1	ICU License	
infobright-core	3.4	MIT License	
istack common utility code runtime	2.16	Common Development and Distribution License 1.1	
istack common utility code runtime	2.22	Common Development and Distribution License 1.1	
istack common utility code runtime	3.0.7	Common Development and Distribution License 1.1	
istack-commons-tools	3.0.7	Common Development and Distribution License 1.1	
iText, a JAVA-PDF library	2.1.7	Mozilla Public License 1.1	
J2EE Management 1.0	1.0.1	Apache License 2.0	
Jackson Integration for Metrics	3.1.0	Apache License 2.0	
Jackson JSON processor	1.9.13	GNU Lesser General Public License v2.1 or later	
jackson-annotations	2.9.10.redhat-00002	Apache License 2.0	
jackson-annotations	2.9.4	Apache License 2.0	
jackson-core	1.9.13	Apache License 2.0	
jackson-core	2.9.10	Apache License 2.0	
jackson-databind	2.9.10.2	Apache License 2.0	
jackson-dataformat-yaml	2.9.10	Apache License 2.0	

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Jackson-JAXRS-base	2.9.10	Apache License 2.0	
jackson-jaxrs-json-provider	2.9.10	Apache License 2.0	
jackson-module-jaxb-annotations	1.9.13	BSD 3-clause "New" or "Revised" License	
jackson-module-jaxb-annotations	2.9.10	Apache License 2.0	
Jakarta Annotations API	1.3.5	Eclipse Public License 2.0	
jakarta.activation	1.0.12.0-jre8	GNU General Public License v3.0 or later	
jakarta.jws API	2.1.0	Eclipse Distribution License - v 1.0	
jakarta.xml.bind-api	2.3.2	Eclipse Distribution License - v 1.0	
jamon-runtime	2.4.1	Mozilla Public License 2.0	
Janino	3.0.8	Janino License	
jansi	1.18	Apache License 2.0	
jansi-native	1.8	Apache License 2.0	
Java API for Processing JSON (JSON-P)	1.0.4	Common Development and Distribution License 1.1	
Java API for XML Based RPC	1.1	GNU Lesser General Public License v2.1 or later	
Java API for XML Processing	1.4	Apache License 2.0	
Java API for XML Web Services	2.2.11	Common Development and Distribution License 1.1	
Java API for XML Web Services 2.2	2.0.4.Final	Common Development and Distribution License 1.1	
Java Architecture for XML Binding	2.2.11	Common Development and Distribution License 1.1	
Java Architecture for XML Binding	2.2.2-promoted-b98	Common Development and Distribution License 1.1	
Java Architecture for XML Binding	2.3.0	Common Development and Distribution License 1.1	
Java Authentication SPI for Containers	1	Apache License 2.0	
Java Authentication SPI for Containers	1.1	Apache License 2.0	
Java Native Access (JNA)	4.4.0	Apache License 2.0	
Java Platform Standard Edition (JRE) (J2RE)	8u171	Oracle Java SE and JavaFX License	
Java SemVer	0.9.0	MIT License	
Java Servlet API	2.1	Common Development and Distribution License 1.0	

Component	Version	License	Modified
Java Servlet API	2.5	Common Development and Distribution License 1.1	
Java Servlet API	3.1.0	Common Development and Distribution License 1.1	
Java Transaction API	1.1	Common Development and Distribution License 1.0	
Java Uuid Generator	2.0.0	Apache License 2.0	
Java(TM) API for XML-Based Web Services 2.3	2.0.0.Final	Eclipse Distribution License - v 1.0	
java-classmate	1.3.4	Apache License 2.0	
java-util	1.9.0	Apache License 2.0	
java-xmlbuilder	0.4	Apache License 2.0	
JavaBeans Activation Framework	1.1	Common Development and Distribution License 1.0	
JavaBeans Activation Framework fork for Android	1.6.2	Common Development and Distribution License 1.0	
javacc	5	BSD 3-clause "New" or "Revised" License	
javacup	10k	CUP Parser Generator Copyright Notice, License and Disclaimer	
javadb	20081125	GNU Lesser General Public License v2.1 only	
JavaMail	1.4.1	Common Development and Distribution License 1.0	
JavaMail	1.4.4	Common Development and Distribution License 1.1	
JavaMail	1.4.7	Common Development and Distribution License 1.1	
JavaMail	1.6.1	Common Development and Distribution License 1.1	
JavaMail API imap provider	1.6.1	Common Development and Distribution License 1.0	
JavaMail API pop3 provider	1.4.4	Common Development and Distribution License 1.0	
JavaMail API pop3 provider	1.4.7	Common Development and Distribution License 1.0	
JavaMail API pop3 provider	1.6.1	Common Development and Distribution License 1.0	
JavaMail API smtp provider	1.4.4	Common Development and Distribution License 1.0	
JavaMail API smtp provider	1.4.7	Common Development and Distribution License 1.0	

Component	Version	License	Modified
JavaMail API smtp provider	1.6.1	Common Development and Distribution License 1.0	
JavaServer Pages (TM) TagLib Implementation	1.2-impl	Common Development and Distribution License 1.1	
JavaServer Pages(TM) API	2.3.1	Common Development and Distribution License 1.1	
Javassist	3.20.0-GA	Apache License 2.0	
Javassist	rel_3_25_0_ga	Apache License 2.0	
javax	4.0-b33	Common Development and Distribution License 1.1	
javax Inject from the JSR-330 Expert Group	1	Apache License 2.0	
javax.annotation API	1.3	Common Development and Distribution License 1.1	
javax.annotation API	1.3.1	Common Development and Distribution License 1.1	
javax.inject:1 as OSGi bundle	2.6.1	Eclipse Public License 2.0	
javax.interceptor API	1.2	Common Development and Distribution License 1.1	
javax.transaction API	1.2	Common Development and Distribution License 1.1	
javax.ws.rs-api	2.0.1	Common Development and Distribution License 1.1	
javax.ws.rs-api	2.1.1	Common Development and Distribution License 1.1	
javax.ws.rs-api	2.1.6	Eclipse Public License 2.0	
javax.wSDL	1.6.1	Common Public License 1.0	
javax.xml.soap API	1.3.7	Common Development and Distribution License 1.1	
javolution	5.5.1	BSD 2-clause "Simplified" License	
JAX-RPC API OSGi Bundle	1.1-b01	Common Development and Distribution License 1.1	
JAX-RS provider for JSON content type	1.9.13	Apache License 2.0	
JAX-WS (JSR-224) Reference Implementation Tools	2.2.10	Common Development and Distribution License 1.1	
JAX-WS RI Fast Infoset Support (rt-fi)	2.2.10-b140803.1500	Common Development and Distribution License 1.1	
JAX-WS RI HTTP SPI (httpspi-servlet)	2.2.10-b140803.1500	Common Development and Distribution License 1.1	



Component	Version	License	Modified
JAX-WS RI Servlet Support (servlet)	2.2.10-b140803.1500	Common Development and Distribution License 1.1	
JAXB CORE	2.2.10-b140802.1033	Common Development and Distribution License 1.1	
JAXB CORE	2.2.11	Common Development and Distribution License 1.1	
JAXB OSGi bundle for GlassFish V3	2.2.10-b140802.1033	Common Development and Distribution License 1.1	
JAXB Runtime	2.2.10-b140802.1033	Common Development and Distribution License 1.1	
JAXB Runtime	2.2.11	Common Development and Distribution License 1.1	
JAXB XML Binding Code Generator Package	2.2	Common Development and Distribution License 1.0	
JAXB XML Binding Code Generator Package	2.2.1	Common Development and Distribution License 1.1	
JAXB XML Binding Code Generator Package	2.2.11_1	Apache License 2.0	
JAXB XML Binding Code Generator Package	2.2.3-1	Common Development and Distribution License 1.1	
jaxen	1.1.6	BSD 3-clause "New" or "Revised" License	
jaxrpc-impl	1.1.3_01	Common Development and Distribution License 1.0	
jaxrpc-spi	1.1.3_01	Common Development and Distribution License 1.0	
JBoss Logging 3	3.3.1.Final	Apache License 2.0	
JBoss Logging 3	3.3.2.Final	Apache License 2.0	
jcifs	1.3.3	GNU Lesser General Public License v2.1 or later	
JCIP Annotations under Apache License	1.0-1	Apache License 2.0	
JCIP Annotations under Apache License	1.3.9-1	Apache License 2.0	
jcodings	1.0.18	MIT License	
jcodings	1.0.8	MIT License	
JCommander Library	1.3	Apache License 2.0	
JCommon	1.0.14	GNU Lesser General Public License v2.1 or later	
JCommon	1.0.16	GNU Lesser General Public License v2.1 or later	

Component	Version	License	Modified
jcommon	1.0.16	GNU Lesser General Public License v2.1 or later	
JDO API	3.0.1	Apache License 2.0	
JDO API	3.2.0-m3	Apache License 2.0	
JDOM	1	Jdom License	
Jersey	1.18.3	Common Development and Distribution License 1.1	
Jersey	1.19	Common Development and Distribution License 1.1	
Jersey	1.19.1	Common Development and Distribution License 1.1	
Jersey	1.9	Common Development and Distribution License 1.1	
Jersey	2.30.1	Public Domain	
Jersey Apache HTTP Client 4.x	1.19.1	Common Development and Distribution License 1.1	
Jersey Inject HK2	2.30.1	Apache License 2.0	
jersey-atom	1.19.1	Common Development and Distribution License 1.1	
jersey-bundle	1.19.1	Common Development and Distribution License 1.1	
jersey-container-servlet	2.30.1	Eclipse Public License 2.0	
jersey-container-servlet-core	2.30.1	Eclipse Public License 2.0	
jersey-core-server	2.30.1	Eclipse Public License 2.0	
jersey-ext-bean-validation	2.30.1	MIT License	
jersey-ext-entity-filtering	2.30.1	Apache License 2.0	
jersey-fastinfoset	1.19.1	Common Development and Distribution License 1.1	
jersey-grizzly	1.19.1	Common Development and Distribution License 1.1	
jersey-json	1.18.3	Common Development and Distribution License 1.1	
jersey-json	1.19	Common Development and Distribution License 1.1	
jersey-json	1.9	Common Development and Distribution License 1.1	
jersey-media-jaxb	2.30.1	Public Domain	
jersey-media-json-jackson	2.30.1	Apache License 2.0	

Component	Version	License	Modified
jersey-multipart	1.19.1	Common Development and Distribution License 1.1	
jersey-server	1.19	Common Development and Distribution License 1.1	
jersey-server	1.19.2	Common Development and Distribution License 1.1	
jersey-server	1.9	Common Development and Distribution License 1.1	
jersey-servlet	1.11-b01	Common Development and Distribution License 1.1	
jersey-servlet	1.19	Common Development and Distribution License 1.1	
jersey-servlet	1.19.1	Common Development and Distribution License 1.1	
jerseyguice	1.19	Common Development and Distribution License 1.1	
jerseyguice	1.9	Common Development and Distribution License 1.1	
Jettison - Json Stax implementation	1.1	Apache License 2.0	
Jettison - Json Stax implementation	1.3.8	Apache License 2.0	
Jettison - Json Stax implementation	1.4.0	Apache License 2.0	
jetty	6.1.26	Apache License 2.0	
Jetty :: Apache JSP	9.3.20.v20170531	Apache License 2.0	
Jetty :: Asynchronous HTTP Client	7.6.1.v20120215	Apache License 2.0	
Jetty :: Asynchronous HTTP Client	9.3.20.v20170531	Apache License 2.0	
Jetty :: Asynchronous HTTP Client	9.4.18.v20190429	Apache License 2.0	
Jetty :: JAAS	9.3.20.v20170531	Apache License 2.0	
Jetty :: JAAS	9.4.18.v20190429	Apache License 2.0	
Jetty :: Runner	9.3.20.v20170531	Apache License 2.0	
Jetty :: Servlet Handling	7.6.1.v20120215	Apache License 2.0	
Jetty :: Servlet Handling	9.3.19.v20170502	Apache License 2.0	
Jetty :: Servlet Handling	9.4.18.v20190429	Apache License 2.0	
Jetty :: Utility Servlets and Filters	7.6.1.v20120215	Apache License 2.0	
Jetty :: Utility Servlets and Filters	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket	7.6.0.v20120127	Apache License 2.0	
Jetty :: Websocket :: API	9.3.20.v20170531	Apache License 2.0	
Jetty :: Websocket :: API	9.4.18.v20190429	Apache License 2.0	

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Jetty :: Websocket :: Client	9.3.20.v20170531	Apache License 2.0	
Jetty :: Websocket :: Client	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket :: Common	9.3.20.v20170531	Apache License 2.0	
Jetty :: Websocket :: Common	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket :: javax.websocket :: Client Implementation	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket :: javax.websocket.server :: Server Implementation	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket :: Server	9.3.20.v20170531	Apache License 2.0	
Jetty :: Websocket :: Server	9.4.18.v20190429	Apache License 2.0	
Jetty :: Websocket :: Servlet Interface	9.3.20.v20170531	Apache License 2.0	
Jetty :: Websocket :: Servlet Interface	9.4.18.v20190429	Apache License 2.0	
Jetty Orbit :: Servlet API	3.0.0.v201112011016	Apache License 2.0	
Jetty Toolchain	2.3.3	Apache License 2.0	
Jetty Toolchain	3.1	Apache License 2.0	
jetty-util	6.1.26	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	2.5-20081211	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	6.1.14	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	6.1.26	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	7.6.0.v20120127	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	9.3.19.v20170502	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	9.3.20.v20170531	Apache License 2.0	
Jetty: Java based HTTP/1.x, HTTP/2, Servlet, WebSocket Server	jetty-9.4.18.v20190429	Apache License 2.0	
JFace	3.3.0	Eclipse Public License 1.0	
JFreeChart	1.0.13	GNU Lesser General Public License v2.1 or later	
JGroups	3.6.13.Final	Apache License 2.0	
JLine	3.11.0	BSD 3-clause "New" or "Revised" License	
JLine - Java Console input Library	0.9.94	BSD 3-clause "New" or "Revised" License	

Component	Version	License	Modified
JLine Builtins	3.11.0	BSD 3-clause "New" or "Revised" License	
JLine JANSI Terminal	3.11.0	BSD 3-clause "New" or "Revised" License	
JLine JNA Terminal	3.10.0	BSD 3-clause "New" or "Revised" License	
JLine Reader	3.11.0	BSD 3-clause "New" or "Revised" License	
JLine Remote SSH	3.11.0	BSD 3-clause "New" or "Revised" License	
JLine Style	3.8.1	BSD 3-clause "New" or "Revised" License	
JLine Terminal	3.11.0	BSD 3-clause "New" or "Revised" License	
jmi	20030918	Common Development and Distribution License 1.1	
jmiutils	20050711	Common Development and Distribution License 1.1	
JMS 1.1	1.1.1	Apache License 2.0	
JMS API	2.0.1	Common Development and Distribution License 1.1	
Joda Time	2.8.1	Apache License 2.0	
Joda Time	2.9.2	Apache License 2.0	
Joda Time	2.9.4	Apache License 2.0	
Joda Time	2.9.9	Apache License 2.0	
Joda Time	v2.10.2	Apache License 2.0	
Johnzon :: Core	0.9.5	Apache License 2.0	
joni	2.1.11	MIT License	
joni	2.1.2	MIT License	
jOOL	0.9.13	Apache License 2.0	
jpam	1.1	Apache License 2.0	
jQuery	3.4.1	MIT License	
JSch	0.1.54	BSD 3-clause "New" or "Revised" License	
jsendnsca	2.0.1	Apache License 2.0	
json-io	2.5.1	Apache License 2.0	
JSON-java	20140107	JSON License	
json-path	2.1.0	Apache License 2.0	

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json-path	2.4.0	Apache License 2.0	
json-simple	1.1	Apache License 2.0	
json-simple	1.1.1	Apache License 2.0	
json-smart-v1	2.2	Apache License 2.0	
json-smart-v1	2.3	Apache License 2.0	
jsonpath	1	GNU Lesser General Public License v2.1 only	
JSP implementation v\${jsp-impl.version}	2.3.2	Common Development and Distribution License 1.1	
JSR-250 Common Annotations for the Java™ Platform	1	Common Development and Distribution License 1.0	
JSR105 Implementation	1.0.2	Apache License 2.0	
jsr107	1.0.0	Apache License 2.0	
jsr311-api	1.1.1	Common Development and Distribution License 1.0	
JT400	6.1	IBM Public License v1.0	
JTA 1.1	1.1.1	Apache License 2.0	
jug-lgpl	2.0.0	GNU Lesser General Public License v2.1 only	
JVM Integration for Metrics	3.1.0	Apache License 2.0	
jxl	2.6.12	GNU Library General Public License v2 or later	
Jython	2.5.3	Jython License	
JZlib	1.0.7	BSD 3-clause "New" or "Revised" License	
k3s	v1.17.4-alpha1+k3s1	Apache License 2.0	
Kerb Simple Kdc	1.0.1	Apache License 2.0	
Kerberos	1.15.5	BSD 2-clause "Simplified" License	
Kerberos	1.15.5	MIT License	
Kerberos WSS Extension	1	Common Development and Distribution License 1.1	
Kerby ASN1 Project	1.0.1	Apache License 2.0	
Kerby Config	1.0.1	Apache License 2.0	
Kerby PKIX Project	1.0.1	Apache License 2.0	
Kerby Util	1.0.1	Apache License 2.0	
Kerby XDR Project	1.0.1	Apache License 2.0	

Component	Version	License	Modified
Kerby-kerb Admin	1.0.1	Apache License 2.0	
Kerby-kerb Client	1.0.1	Apache License 2.0	
Kerby-kerb Common	1.0.1	Apache License 2.0	
Kerby-kerb core	1.0.1	Apache License 2.0	
Kerby-kerb Crypto	1.0.1	Apache License 2.0	
Kerby-kerb Identity	1.0.1	Apache License 2.0	
Kerby-kerb Server	1.0.1	Apache License 2.0	
Kerby-kerb Util	1.0.1	Apache License 2.0	
keycloak	3.4.1.Final	Apache License 2.0	
Keycloak Adapter SPI	3.4.10.Final-redhat-1	Apache License 2.0	
Keycloak AS7 Integration	3.4.6.Final-redhat-1	Apache License 2.0	
Keycloak Authz: Client API	3.4.3.Final	Apache License 2.0	
Keycloak Jetty Adapter SPI	3.4.12.Final-redhat-2	Apache License 2.0	
Keycloak Jetty Core Integration	3.4.10.Final-redhat-1	Apache License 2.0	
ldapjdk	20000524	Netscape Public License v1.1	
leveldb-api	0.6	Apache License 2.0	
leveldbjni	1.8	BSD 3-clause "New" or "Revised" License	
leveldbjni-all	1.8	BSD 3-clause "New" or "Revised" License	
libthrift	0.6.0-2	Apache License 2.0	
libX11	1.6.5	MIT License	
Log4J API	2.8.0	Apache License 2.0	
log4jdbc JDBC proxy driver	1.2	Apache License 2.0	
Logback	1.2.2	Eclipse Public License 1.0	
Logback Classic Module	1.2.2	Eclipse Public License 1.0	
LucidDbClient-minimal	0.9.4	GNU Lesser General Public License v2.1 only	
LZ4 and xxHash	1.4	Apache License 2.0	
management-api	3.2.1-b001	Common Development and Distribution License 1.1	
mdrapi	2.00507E+11	Common Development and Distribution License 1.1	
Metrics Core	3.1.2	Apache License 2.0	
Metrics Core	3.2.1	Apache License 2.0	

Component	Version	License	Modified
Metrics Core Library	2.2.0	Apache License 2.0	
Metro Common Utilities and Classes	2.3-b100	Common Development and Distribution License 1.1	
Metro Configuration Implementation	2.3-b240	Common Development and Distribution License 1.1	
Metro Configuration Management API	2.3.1-b411	Common Development and Distribution License 1.1	
Metro OSGi API bundle for GlassFish V3	2.4.2	Common Development and Distribution License 1.1	
Metro Runtime API	2.3.1-b411	Common Development and Distribution License 1.1	
Metro Web Services API non-OSGi Bundle	2.3.1	Common Development and Distribution License 1.1	
Metro Web Services Interoperability Technology Implementation Bundle	2.3.1-b411	Common Development and Distribution License 1.1	
Metro Web Services Runtime non-OSGi Bundle	2.3.1	Common Development and Distribution License 1.1	
Microsoft JDBC Driver for SQL Server	6.2.1.jre7	MIT License	
MIME streaming extension	1.9.3	Common Development and Distribution License 1.1	
MIME streaming extension	1.9.4	Common Development and Distribution License 1.1	
mof	2.00507E+11	Common Development and Distribution License 1.1	
monetdb-jdbc	2.8	Mozilla Public License 2.0	
Mongo Java Driver	3.10.2	Apache License 2.0	
MongoDB Driver	3.10.2	Apache License 2.0	
MortBay :: Apache Jasper :: JSP Implementation	8.0.33	Apache License 2.0	
Mousetrap	1.6.1	Apache License 2.0	
Mozilla Rhino	1.7R3	Mozilla Public License 1.1	
Mozilla Rhino	1.7r4	Mozilla Public License 2.0	
mstor	0.9.13	BSD 3-clause "New" or "Revised" License	
nbmdr	200507110943-custom	Common Development and Distribution License 1.1	
NekoHTML	1.9.15	Apache License 2.0	
Netty Project	3.10.5.Final	Apache License 2.0	
Netty Project	3.6.2.Final	Apache License 2.0	



Component	Version	License	Modified
Netty Project	4.0.23.Final	Apache License 2.0	
Netty Project	4.0.52.Final	Apache License 2.0	
Netty Project	4.1.17.Final	Apache License 2.0	
Netty Project	4.1.22.Final	Apache License 2.0	
Netty/Transport/Native/KQueue	4.1.22.Final	Apache License 2.0	
Netty/Transport/Native/Unix/Common	4.1.22.Final	Apache License 2.0	
Nimbus-JOSE-JWT	4.41.1	Apache License 2.0	
objenesis	1	MIT License	
ODFDOM	0.8.6	Apache License 2.0	
ognl	2.6.9	BSD 3-clause "New" or "Revised" License	
OkHttp	2.4.0	Apache License 2.0	
OkHttp	2.7.5	Apache License 2.0	
OkHttp	3.12.6	Apache License 2.0	
OkHttp Logging Interceptor	3.12.5	Apache License 2.0	
OkHttp Logging Interceptor	3.12.6	Apache License 2.0	
OkIO	1.15.0	Apache License 2.0	
OkIO	1.4.0	Apache License 2.0	
OkIO	1.6.0	Apache License 2.0	
olap4j	1.2.0	Apache License 2.0	
olap4j-xmla	1.2.0	Apache License 2.0	
Open JSON	1.8	Apache License 2.0	
opencsv	2.3	Apache License 2.0	
OpenEJB :: Dependencies :: JavaEE API	6.0-4	Apache License 2.0	
openide-util	20050711	Common Development and Distribution License 1.1	
OpenJDK	1.8.0.201	GNU General Public License v2.0 w/Classpath exception	
OpenJDK	1.8.0.212	GNU General Public License v2.0 w/Classpath exception	
OpenJDK	1.8.0.212.b04	GNU General Public License v2.0 w/Classpath exception	
OpenJDK	8.201.08	GNU General Public License v2.0 w/Classpath exception	

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OpenJDK	8.212.04	GNU General Public License v2.0 w/Classpath exception	
OpenJDK ORB	8.1.2.Final	GNU General Public License v2.0 w/Classpath exception	
OpenJDK8 javabeans for android.	1.0.2	GNU General Public License v2.0 w/Classpath exception	
OPS4J Base - Lang	1.5.0	Apache License 2.0	
OPS4J Base - Net	1.5.0	Apache License 2.0	
OPS4J Base - Service Provider Access	1.5.0	Apache License 2.0	
OPS4J Base - Util - Property	1.5.1	Apache License 2.0	
OPS4J Pax Logging - API	1.10.2	Apache License 2.0	
OPS4J Pax Logging - Log4j v2	1.10.2	Apache License 2.0	
OPS4J Pax Logging - Logback Service	1.10.2	Apache License 2.0	
OPS4J Pax Swissbox - Bnd Utils	1.8.3	Apache License 2.0	
OPS4J Pax Swissbox - Extender	1.8.1	Apache License 2.0	
OPS4J Pax Swissbox - Lifecycle	1.8.1	Apache License 2.0	
OPS4J Pax Swissbox - Optional JCL	1.8.1	Apache License 2.0	
OPS4J Pax Swissbox - OSGi Core	1.8.1	Apache License 2.0	
OPS4J Pax Swissbox - Tracker	1.8.1	Apache License 2.0	
OPS4J Pax Url - aether:	2.6.1	Apache License 2.0	
OPS4J Pax Url - obr:	2.6.2	Apache License 2.0	
OPS4J Pax Url - war:, war-i:	2.6.1	Apache License 2.0	
OPS4J Pax Url - wrap:	2.6.1	Apache License 2.0	
OPS4J Pax Web - API	7.2.10	Apache License 2.0	
OPS4J Pax Web - Deployment Descriptor Model	7.2.10	Apache License 2.0	
OPS4J Pax Web - Extender - WAR	7.2.10	Apache License 2.0	
OPS4J Pax Web - Extender - Whiteboard	7.2.10	Apache License 2.0	
OPS4J Pax Web - FileInstall Deployer	7.2.10	Apache License 2.0	
OPS4J Pax Web - Jetty Bundle	7.2.10	Apache License 2.0	
OPS4J Pax Web - Jsp Support	7.2.10	Apache License 2.0	
OPS4J Pax Web - Runtime	7.2.10	Apache License 2.0	
OPS4J Pax Web - Service SPI	7.2.1	Apache License 2.0	

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OPS4J Pax Web - Service SPI	7.2.10	Apache License 2.0	
ORC Core	1.3.3	Apache License 2.0	
ORC Core	1.5.1.3.0.0.0-1634	Apache License 2.0	
ORC Shims	1.5.1.3.0.0.0-1634	Apache License 2.0	
org-netbeans-libs-commons_fileuploa d	RELEASE121	Apache License 2.0	
org.apache.xmlgraphics:batik-constan ts	1.9.1	Apache License 2.0	
org.apache.xmlgraphics:batik-i18n	1.9.1	Apache License 2.0	
org.eclipse.osgi	3.12.1.v20170821-1548	Eclipse Public License 1.0	
Org.eclipse.paho.client.mqttv3	1.2.2	Eclipse Public License 2.0	
org.osgi:org.osgi.resource	1.0.0	Apache License 2.0	
org.osgi:org.osgi.service.component	1.4.0	Apache License 2.0	
org.osgi:org.osgi.service.http.whiteboa rd	1.1.0	Apache License 2.0	
org.osgi:org.osgi.service.url	1.0.0	Apache License 2.0	
org.osgi:org.osgi.util.function	1.0.0	Apache License 2.0	
org.osgi:org.osgi.util.promise	1.0.0	Apache License 2.0	
OSGi factory registry	1.1	Apache License 2.0	
OSGi LogService implemented over SLF4J	1.7.12	MIT License	
OSGi resource locator bundle - used by various API providers that rely on META-INF/services mechanism to locate providers.	1.0.3	Eclipse Public License 2.0	
OSGi System Bundle	3.12.100	Eclipse Public License 1.0	
org.osgi.core	6.0.0	Apache License 2.0	
OWASP Java Encoder Project	1.2	BSD 3-clause "New" or "Revised" License	
ParaNamer Core	2.7	BSD 3-clause "New" or "Revised" License	
pax-keycloak-core	0.2.0	Apache License 2.0	
pax-keycloak-jetty	0.2.0	Apache License 2.0	
pax-transx-tm-api	0.4.2	Apache License 2.0	
pax-transx-tm-api	0.4.3	Apache License 2.0	
pax-transx-tm-geronimo	0.4.2	Apache License 2.0	

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pax-transx-tm-geronimo	0.4.3	Apache License 2.0	
policy	2.4	Common Development and Distribution License 1.0	
PostgreSQL JDBC Driver (pgjdbc)	42.2.5	BSD 2-clause "Simplified" License	
Protocol Buffer Java API	2.5.0	BSD 3-clause "New" or "Revised" License	
Protocol Buffer Java API	3.11.4	BSD 3-clause "New" or "Revised" License	
QName	1.6.1	Common Public License 1.0	
RabbitMQ amqp-client	5.9.0	Apache License 2.0	
re2j	1.1	BSD 3-clause "New" or "Revised" License	
reactive-streams	1.0.2	Creative Commons Zero v1.0 Universal	
REDHAWK	2.1.2	Eclipse Public License 1.0	
Redux JS	3.6.0	MIT License	
redux-thunk	2.1.0	MIT License	
require-css	0.1.8	MIT License	
requirejs-text	2.0.10	MIT License	
reselect	3.0.1	MIT License	
resolver	20050927	Apache License 2.0	
RichFaces	4.5.0.Final	GNU Lesser General Public License v2.1 or later	
rome	1	Apache License 2.0	
ROME, RSS and atOM utilitiEs for Java	1	Apache License 2.0	
rsyntaxtextarea	1.3.2	GNU Lesser General Public License v3.0 with Exceptions	
rxjava	2.2.3	Apache License 2.0	
saaj-impl	1.3.25	Common Development and Distribution License 1.1	
sac	1.3	W3C IPR License	
sapdbc	7.4.4	GNU Lesser General Public License v2.1 only	
SassyReader	0.5	GNU Lesser General Public License v2.1 or later	
Saxon-B	9.1.0.8	Mozilla Public License 1.0	
Scannotation	1.0.2	Apache License 2.0	

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SecondString	0.1	University of Illinois/NCSA Open Source License	
ServiceLocator Default Implementation	2.6.1	Eclipse Public License 2.0	
Simditor	v2.0.1	MIT License	
Simple JNDI with bug fixes	1.0.3	Apache License 2.0	
Sisu - Guice	3.0.0	Apache License 2.0	
SLF4J API Module	1.7.11	MIT License	
SLF4J API Module	1.7.12	MIT License	
SLF4J API Module	1.7.27	MIT License	
SLF4J LOG4J-12 Binding	1.7.12	MIT License	
SLF4J Simple Binding	1.6.6	MIT License	
Slider Core	0.90.2-incubating	Apache License 2.0	
SnakeYAML	1.23	Apache License 2.0	
SnakeYAML	1.7	Apache License 2.0	
SnakeYAML	snakeyaml-1.25	Apache License 2.0	
snappy-java	1.1.0	Apache License 2.0	
snappy-java	1.1.1.3	Apache License 2.0	
snappy-java	1.1.4	Apache License 2.0	
Sniffy Core	3.1.0-RC5	MIT License	
SNMP4J Agent	1.11.5	Apache License 2.0	
SNMP4J Agent	1.9.3d	Apache License 2.0	
SOAP over TCP Transport API	2.2-b07	Common Development and Distribution License 1.1	
Spark Integration for Kafka 0.10	2.3.2	Apache License 2.0	
spark-avro	4.0.0	Apache License 2.0	
spark-operator	1.0.4	Apache License 2.0	
Spring Framework	3.2.18.RELEASE_OSGI	Apache License 2.0	
Spring Framework	4.3.22.RELEASE	Apache License 2.0	
Spring Framework	v4.3.25.RELEASE	Apache License 2.0	
Spring Kafka Support	1.3.10.RELEASE	Apache License 2.0	
Spring OSGi Annotations	1.2.1	Apache License 2.0	
Spring OSGi Core	1.2.1	Apache License 2.0	
Spring OSGi Extender	1.2.1	Apache License 2.0	

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Spring OSGi IO	1.2.1	Apache License 2.0	
Spring Security	4.2.9	Apache License 2.0	
Spring Transaction	4.3.22.RELEASE	Apache License 2.0	
spring-aopalliance	1	Apache License 2.0	
spring-boot-container-bundle	3.4.10.Final-redhat-1	Apache License 2.0	
spring-context-velocity	1.4.3.18.RELEASE	Apache License 2.0	
spring-retry	1.2.2.RELEASE	Apache License 2.0	
sqoop	1.4.7	Apache License 2.0	
Standard Widget Toolkit for GTK	3.108.0	Eclipse Public License 1.0	
StAX	1	Apache License 2.0	
StAX	1.0-2	Common Development and Distribution License 1.0	
StAX	1.0.1	Apache License 2.0	
StAX Utilities Project	20060502	BSD 3-clause "New" or "Revised" License	
stax-ex	1.7.7	Common Development and Distribution License 1.1	
Stax2 API	3.1.1	BSD 3-clause "New" or "Revised" License	
Stax2 API	3.1.4	BSD 3-clause "New" or "Revised" License	
streambuffer	1.5.3	Common Development and Distribution License 1.1	
SWT (Standard Widget Toolkit)	4.6	Eclipse Public License 1.0	
swtlibs	4.6	Eclipse Public License 2.0	
syslog4j	0.9.46	GNU Lesser General Public License v2.1 or later	
Tephra API	0.6.0	Apache License 2.0	
Tephra Core	0.6.0	Apache License 2.0	
Tephra HBase 0.96 Compatibility	0.6.0	Apache License 2.0	
Tephra HBase 1.0 Compatibility	0.6.0	Apache License 2.0	
The Legacy MongoDB Driver	3.12.5	Apache License 2.0	
The Timeline Component for ZK	2.3.1_50	Apache License 2.0	
tinkerpop's pipes	2.6.0	BSD 3-clause "New" or "Revised" License	
Token provider	1.0.1	Apache License 2.0	

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track-bi	1.0.0	Apache License 2.0	
Trilead SSH2 Library	build213	BSD 3-clause "New" or "Revised" License	
trivy	v0.1.7	Apache License 2.0	
Twill API	0.6.0-incubating	Apache License 2.0	
Twill common library	0.6.0-incubating	Apache License 2.0	
Twill core library	0.6.0-incubating	Apache License 2.0	
Twill discovery service API	0.6.0-incubating	Apache License 2.0	
Twill discovery service implementations	0.6.0-incubating	Apache License 2.0	
Twill ZooKeeper client library	0.6.0-incubating	Apache License 2.0	
txw2	20110809	Common Development and Distribution License 1.1	
TXW2 Runtime	2.2.10-b140310.1920	Common Development and Distribution License 1.1	
Tyrus Client	1.13.1	Common Development and Distribution License 1.1	
Tyrus Container SPI	1.9	Common Development and Distribution License 1.1	
Tyrus Core	1.13.1	Common Development and Distribution License 1.1	
Tyrus Grizzly Client Container	1.13.1	Common Development and Distribution License 1.1	
Tyrus Standalone Client	1.13.1	Common Development and Distribution License 1.1	
underscore	1.8.3	MIT License	
vent	v0.3.1	Apache License 2.0	
Web Services Metadata 2.0	1.1.3	Apache License 2.0	
WebSocket API jar	1	Common Development and Distribution License 1.1	
WebSocket API jar	1.1	Common Development and Distribution License 1.1	
whatwg-fetch	2.0.1	MIT License	
Woodstox	3.2.4	Apache License 2.0	
Woodstox	4.2.0	Apache License 2.0	
Woodstox	4.4.1	Apache License 2.0	
Woodstox	5.0.3	Apache License 2.0	

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WS-MakeConnection API	2.3-b55	Common Development and Distribution License 1.1	
WS-ReliableMessaging API	2.3.1-b419	Common Development and Distribution License 1.1	
WS-RX Common Utilities and Classes	2.3.1-b411	Common Development and Distribution License 1.1	
WS-SX API	2.3-b100	Common Development and Distribution License 1.1	
WS-TX API	2.3-b202	Common Development and Distribution License 1.1	
WSDL4J	1.6.2	Common Public License 1.0	
WSIT XML Document Filtering Project	2.3	Common Development and Distribution License 1.1	
XBean :: Classpath Resource Finder	4.12	Apache License 2.0	
XBean :: Reflect	4.12	Apache License 2.0	
Xerial SQLite JDBC	3.27.2.1	Apache License 2.0	
xipki/xipki	v5.3.3	Apache License 2.0	
XML Commons External Components XML APIs Extensions	1.3.04	Apache License 2.0	
XMLBeans	2.6.0	Apache License 2.0	
xmlenc	0.52	BSD 3-clause "New" or "Revised" License	
xmlpull	1.1.3.1	Public Domain	
XmlSchema Core	2.2.4	Apache License 2.0	
xpp3_xpath	1.1.4c	Public Domain	
XStream	1.4.11.1	BSD 3-clause "New" or "Revised" License	
xws-security	3	Common Development and Distribution License 1.0	
XZ for Java	1.5	Public Domain	
zjsonpatch	0.2.3	Apache License 2.0	
zjsonpatch	0.3.0	Apache License 2.0	

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HTTP 2.0.0.3.0.0.0-1634, Apache HBase - MapReduce 2.0.0.3.0.0.0-1634, Apache HBase - Metrics API 1.4.8, Apache HBase - Metrics API 2.0.0.3.0.0.0-1574, Apache HBase - Metrics Implementation 1.4.8, Apache HBase - Metrics Implementation 2.0.0.3.0.0.0-1634, Apache HBase - Replication 2.0.0.3.0.0.0-1574, Apache HBase - Shaded Protocol 2.0.0.3.0.0.0-1634, Apache HBase - Zookeeper 2.0.0.3.0.0.0-1634, Apache HBase Patched & Relocated (Shaded) Protobuf 2.1.0, Apache HBase Relocated (Shaded) Netty Libs 2.1.0, Apache HBase Relocated (Shaded) Third-party Miscellaneous Libs 2.1.0, Apache Hive 2.3.4, Apache Hive 3.1.0.3.0.0.0-1634, Apache HttpClient 4.0.2, Apache HttpClient 4.5.4, Apache HttpClient 4.5.9, Apache HttpComponents Core 4.4.10, Apache HttpComponents Core 4.4.11, Apache HttpComponents Core 4.4.8, Apache HttpMime 4.5.6, Apache Kafka 0.10.2.2, Apache Kafka 1.0.2, Apache Karaf :: Assemblies :: Features :: Base 4.2.6, Apache Karaf :: Assembly 4.2.6, Apache Karaf :: Blueprint Deployer 4.2.6, Apache Karaf :: Bundle :: BlueprintStateService 4.2.6, Apache Karaf :: Bundle :: Core 4.2.6, Apache Karaf :: Bundle :: SpringStateService 4.2.6, Apache Karaf :: Client 4.2.6, Apache Karaf :: ConfigAdmin :: Core 4.2.6, Apache Karaf :: Deployer :: Karaf Archive (.kar) 4.2.6, Apache Karaf :: Deployer :: Wrap Non OSGi Jar 2.4.0.redhat-621107, Apache Karaf :: Deployer :: Wrap Non OSGi Jar 4.2.6, Apache Karaf :: Diagnostic :: Boot 4.2.6, Apache Karaf :: Diagnostic :: Core 4.2.6, Apache Karaf :: Features :: Command 4.2.6, Apache Karaf :: Features :: Extension 4.2.6, Apache Karaf :: Features :: Extension 4.2.8, Apache

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Version 3, 29 June 2007

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