

UNRAVEL DATA SYSTEMS VERSION 4.5

Component name	Component version name	License names
Cherry	1.8.2	MIT License
Apache Tomcat	5.5.23	Apache License 2.0
Yachin Project FSM	0.8.2	Apache License 2.0
Apache Directory LDAP API Model	1.0.0-M20	Apache License 2.0
apache/incubator-heron	0.6.5.1	Apache License 2.0
Micro Plugins API	3.0.4	Apache License 2.0
ApacheDS Authentication Interceptor	2.0.0-M15	Apache License 2.0
Apache Directory LDAP API Extras ACI	1.0.0-M20	Apache License 2.0
Apache HZCommons Core	4.3.2	Apache License 2.0
Spark Project Tags	2.0.0-preview	Apache License 2.0
Curator Testing	3.3.0	Apache License 2.0
Apache HZCommons Core	4.4.5	Apache License 2.0
Apache Commons Daemon	1.0.15	Apache License 2.0
classloader		2.4 Apache License 2.0
alibaba TreadLayout Core	1.0.1	BSD 3-clause "New" or "Revised" License
lucene-core	2.8.6	Apache License 2.0
Lucene Join	6.6.1	Apache License 2.0
Apache Commons CLI	1.3-Cloudera-pre-14193998	Apache License 2.0
hive-apache		0.5 Apache License 2.0
testcontainers-combinators	1.0.4	BSD 3-clause "New" or "Revised" License
com.springsource.javas.xml.bind	2.1.7	Common Development and Distribution License 1.0
SnakeYAML		1.15 Apache License 2.0
hive		4.12 Common Public License 1.0
ApacheDS Protocol Kerberos	2.0.0-M12	Apache License 2.0
Apache Geronimo	2.4.6	Apache License 2.0
Grizzly - Core	1.2.0	(GNU Lesser General Public License v2.1 or later AND Eclipse Public License 1.0)
chill-java	0.5.0	Apache License 2.0
Apache Commons Logging		1.2 Apache License 2.0
OpenCensus	0.12.3	Apache License 2.0
ApacheDS Protocol Shared	2.0.0-M11	Apache License 2.0
infinitest Embedded	7.0.0.CR1	Apache License 2.0
Client Transport	5.6.2	Apache License 2.0
Maven Model	3.0.4	Apache License 2.0
Apache Commons Logging	1.1.3	Apache License 2.0
Java Servlet API	1.1.0	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Guice - Plexus binders	2.3.0	Eclipse Public License 1.0
Apache Commons Beanutils	1.9.2	Apache License 2.0
t-digest		3 Apache License 2.0
Apache HZCommons Core	4.1.3	1 Apache License 2.0
jersey		1.9 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Apache Log4j SLF4J Adapter	2.9.1	Apache License 2.0
kylin		2.21 BSD 3-clause "New" or "Revised" License
License Generator	1.6.0rc3	Apache License 2.0
Apache XBean - ASM 5 shaded (repackage)	10.4.2.0	Apache License 2.0
jaxrs		4.4 BSD 3-clause "New" or "Revised" License AND Apache License 2.0
lang-groovy	5.6.2	Apache License 2.0
h2JC	0.7.1	Apache License 2.0
Apache Avro IPC	1.7.1	Apache License 2.0
Netty Project	4.1.31.Final	Apache License 2.0
Java Concurrency Tools Core Library	2.0.2	Apache License 2.0
joda Time	2.9.5	Apache License 2.0
joon-simple	1.2.10	Apache License 2.0
SLAM	1.0-2	(Common Development and Distribution License 1.0 OR GNU General Public License v2.0/Classpath exception)
Apache HZCommons Client	4.1.3	Apache License 2.0
testcontainers-servert-core		2.24 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
AsyncHttpClient	1.8.16	Apache License 2.0
transport-netty4-client	5.6.2	Apache License 2.0
Apache Kafka	0.11.0.1	Apache License 2.0
Metrics Core	1.1.2	Apache License 2.0
zkclient		0.1 Apache License 2.0
Slua - JMeter(Plexus bean support)	2.3.0	Eclipse Public License 1.0
Apache Hive	0.12.0	Apache License 2.0
ApacheDS Scheme Interceptor	2.0.0-M11	Apache License 2.0
License Sandbox	6.6.1	Apache License 2.0
Jackson-JAXRS-base	2.8.5	Apache License 2.0
jackson-databind	2.8.5	Apache License 2.0
Cursor Keepers	2.4.0	Apache License 2.0
io/fluxx/java bindings		2.9 MIT License
Apache Avro Mapped API	1.7.1	Apache License 2.0
Maven Antifact	3.0.4	Apache License 2.0
ASM	5.0.4	BSD 3-clause "New" or "Revised" License
MyBatis	1.3.5	Apache License 2.0
Jettison - JUnit SaaS implementation	1.4.4	Apache License 2.0
error-prone annotations	2.2.0	Apache License 2.0
tez-common	0.9.1	Apache License 2.0
ApacheDS Core API	2.0.0-M15	Apache License 2.0
Jetty Java based HTTP, Servlet, SPDY, WebS	9.2.15.20160210	Apache License 2.0
parent-join	0.6.2	Apache License 2.0
resteasy-core	1.0.0	Creative Commons Zero v1.0 Universal
Tachyon Under File System - HDFS	1.8.2	Apache License 2.0
Rollout	2.3.0	Apache License 2.0
ANTLR		3.4 BSD 3-clause "New" or "Revised" License
jackson-module-jaxb-annotations	2.8.5	Apache License 2.0
grizzly-rcm	1.9.6	Common Development and Distribution License 1.1
config - com.typesafe.config	1.2.1	Apache License 2.0
Spark Project Networking	1.8.0	Apache License 2.0
lang-spring	1.6.4	Apache License 2.0
Default Plexus Container	1.0-beta-3.0.5	Apache License 2.0
SLF4J LOG4J-12 Binding	1.6.1	MIT License
Apache Directory LDAP API Schema Converter	1.0.0-M19	Apache License 2.0
Checkstyle	6.1.1	GNU Lesser General Public License v2.1 or later
Moshi		1.7 MIT License
Jetty - Servlet Handling	9.2.15.20160210	Apache License 2.0 AND Eclipse Public License 1.0
Apache Directory LDAP API DSM4 Parser	1.0.0-M20	Apache License 2.0
License Queries	6.6.1	Apache License 2.0
JAXB XML Binding Code Generator Package	2.1.32	(Common Development and Distribution License 1.0 OR Sun GPL With Classpath Exception v2.0)
software.amazon.iom-ion-java	1.0.2	Apache License 2.0
Log4j API	2.8.1	Apache License 2.0
Data Exporter	1.0.4	Apache License 2.0
Jetty Project from the JBR-310 Expert Group	1.0.0	1 Apache License 2.0
Apache Commons Math	2.2	Apache License 2.0
Apache Commons Configuration	1.6	1 Apache License 2.0
HelmClient	2.12.0	BSD 3-clause "New" or "Revised" License
JimfsTrans - utils	1.3.0	260 MIT License
rest	5.6.2	Apache License 2.0
javaMailAPI	0.5.2	Apache License 2.0
vertx-auth-common	3.5.2.CR1	(Apache License 2.0 AND Eclipse Public License 1.0)
Apache Commons Lang	2.6	Apache License 2.0
ApacheDS Substitution Interceptor	2.0.0-M15	Apache License 2.0
Apache Kafka	0.8.1.1	Apache License 2.0
Jetty Java based HTTP, Servlet, SPDY, WebS	9.2.15.20160210	Apache License 2.0 AND Eclipse Public License 1.0
Disruptor	3.2.2	Apache License 2.0
jersey-join	1.1.3.1	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
joon	1.2.4	Apache License 2.0
Apache Avro Mapped API	1.7.7	Apache License 2.0
reflectasm		1.0.7 BSD 3-clause "New" or "Revised" License
jersey-join		1.9 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
JavaMail API smtp provider	1.5.6	(Common Development and Distribution License 1.0 AND GNU General Public License v2.0/Classpath exception)
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JUnit - Java Console Input Library	0.9.4	BSD 3-clause "New" or "Revised" License
Inspector API (JBR 310 version 1) repackage	2.5.0-005	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
XZ for Java		1.4 Public Domain
Commons IO	2.1	Apache License 2.0
commons-jsp	6.0.13	MIT License
Checkin	6.0.13	MIT License
Lucene Grouping	6.6.1	Apache License 2.0
spatial4j	0.5.2	Apache License 2.0
compiler - com.github.spullara.mustache	0.9.3	Apache License 2.0
jackson-core	2.9.8	Apache License 2.0
jackson-annotations	2.8.5	Apache License 2.0
lang-mustache-client	5.6.2	Apache License 2.0
lang-mustache	1.2.0	Apache License 2.0
spark-streaming-1.20	1.1.1	Apache License 2.0
JBoss Logging 3	1.1.1	GNU Lesser General Public License v2.1 or later
JCommander Library		1.48 Apache License 2.0
Java Servlet API	3.0.0	(Common Development and Distribution License 1.0)
jackson-module-scala	2.4.4	Apache License 2.0
Jetty OSGi - Servlet API	3.0.0.20111201016	(Apache License 2.0 AND Eclipse Public License 1.0)
Apache Commons Compress	1.8.1	Apache License 2.0
stream-lib	2.7.0	Apache License 2.0
Maven Compatibility Layer	3.0-alpha-2	Apache License 2.0
org.eclipse.kubernetes	0.0.0.M0	Eclipse Public License 1.0
krypton-library	5.1.0-rc.1	Apache License 2.0
ANTLR	4.5.1-1	BSD 3-clause "New" or "Revised" License
JPM Integration for Metrics	3.1.2	Apache License 2.0
Protocol Buffer Java API	1.6.1	BSD 3-clause "New" or "Revised" License
Apache Directory API ASN.1 BER	1.0.0-M19	Apache License 2.0
objenesis	1.2	Apache License 2.0
Ning-compress-LZF	1.0.3	Apache License 2.0
eternity	1.0.0	Apache License 2.0
Metrics Core Library	2.2.0	Apache License 2.0
jersey-server	1.13.1	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
AWSSDKS for Amazon EMR	1.11.1.113	Apache License 2.0
AWS CloudTrail Processing Library for Java	1.1.1	Apache License 2.0
javax.ws.rs-api	2.0.1	(Sun GPL With Classpath Exception v2.0 AND Common Development and Distribution License 1.1)
hibernate-validator	6.0.5.Final	Apache License 2.0
Apache Directory LDAP API Utilities	1.0.0-M20	Apache License 2.0
joon4-ast	1.2.10	Apache License 2.0
ApacheDS Subtree Interceptor	2.0.0-M15	Apache License 2.0
pyrolta	1.8.3	4.9 MIT License
Apache Commons Beanutils	1.8.0	Apache License 2.0
Lucene Query Parser	6.6.1	GNU Lesser General Public License v2.1 only
java-lib	1.0.5	Apache License 2.0
joon-simple	1.2.17	Apache License 2.0
joon-simple	1.2.17	0.95 GNU General Public License v2.0 w/Classpath exception
Apache log4j	1.2.15	Apache License 2.0
hk2-webservices-utilities	2.5.0-005	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Parquet Hadoop	1.6.0rc3	Apache License 2.0
jersey-repackager-guava		2.24 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Spark Project Core	1.6.0	Apache License 2.0
JOSE Simple	5.0.2	MIT License
Apache Directory Studio	2.0.0-M15	Apache License 2.0
Guice - Bean Location	2.3.0	Apache License 2.0 AND Eclipse Public License 1.0
Plexus Interpolation API		1.1 Apache License 2.0
curator-framework	1.3.3	Apache License 2.0
Lucene Spatial	6.6.1	Apache License 2.0
argparse4j	0.7.0	MIT License
percolator-client	5.6.1	Apache License 2.0
joon4-jvm	1.5.0	Apache License 2.0
ApacheDS Generalized IO DBM Partition	2.0.0-M15	Apache License 2.0
Lucene Analyzers	6.6.1	Apache License 2.0
hadoop-shim	0.9.1	Apache License 2.0
jackson-module-jaxb-annotations	1.8.8	(BSD 3-clause "New" or "Revised" License AND Apache License 2.0 AND GNU Lesser General Public License v2.1 or later)
Bootstrap (Pattern)	2.3.2	Apache License 2.0
akka-remote	2.3.11	Apache License 2.0
SLF4J LOG4J-12 Binding	1.7.2	1.2 BSD 3-clause "New" or "Revised" License
Hazelcast		MIT License
transport-netty4-client		1.3 BSD 3-clause "New" or "Revised" License
Hadoop Runtime		Apache License 2.0
ApacheDS Protocol Kerberos Codec	2.0.0-M15	1.9 (Apache License 2.0 AND Eclipse Public License 1.0)
pb - java Foreign Function Interface	1.2.2.15	Apache License 2.0
Spark Project External Kafka	1.3.1	Apache License 2.0
Java Native Access (JNA)	4.4.0	Apache License 2.0
Parquet Encodings	1.6.0rc3	Apache License 2.0 AND GNU Lesser General Public License v2.1 or later)
ApacheDS Triggers Interceptor	2.0.0-M16	Apache License 2.0
joon4ast		264 MIT License
joda Time		2.1 Apache License 2.0
Elasticsearch	5.6.2	Apache License 2.0
Apache log4j	1.2.18	Apache License 2.0
Parquet Column	1.6.0rc3	Apache License 2.0
Spring Framework	3.2.3.RELEASE	Apache License 2.0
Maven Enforcer	1.5.1	Apache License 2.0 AND Eclipse Public License 1.0
anynet	0.2.8	MIT License
curator-client	1.3.3	Apache License 2.0
ASM	2.1.9	3.1 BSD 3-clause "New" or "Revised" License
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Apache OSGi	2.0.8	Apache License 1.1
Apache Kafka	0.11.0.1	Apache License 2.0
JAXB XML Binding Code Generator Package	2.1.32	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Apache ZooKeeper	1.4.10	Apache License 2.0
ApacheDS Protocol Ldap	2.0.0-M15	Apache License 2.0
Guice - Plexus metadata	2.3.2	(Sun GPL With Classpath Exception v2.0 AND Eclipse Public License 1.0)
Apache Directory LDAP API Extras Codec	1.0.0-M20	Apache License 2.0
joon-api	2.1.5	(GNU General Public License v2.0 or later AND Common Development and Distribution License 1.1)
snappy		0.2 Apache License 2.0
javax.servlet-api-2.5	3.1-041	2.5 (Common Development and Distribution License 1.0 OR GNU General Public License v2.0/Classpath exception)
Guice - Plexus Inactors	2.3.0	(Common Development and Distribution License 1.0)
Apache Directory LDAP API Extras Trigger	1.0.0-M20	Apache License 2.0
Alluio Under File System - GCS	1.3.0	Apache License 2.0
OKIO	1.13.0	Apache License 2.0
JavaMail	1.5.6	(GNU General Public License v2.0 w/Classpath exception OR Common Development and Distribution License 1.1)
Maven Antifact	3.0.0-alpha-1	Apache License 2.0
Apache Directory LDAP API Client All	1.0.0-M27	Apache License 2.0
BTTrace	20181202-snapshot-0ff7ca3	Unknown License
vertx-web	3.5.4	Apache License 2.0 AND Eclipse Public License 1.0
Apache Lucene	6.6.1	Apache License 2.0
JimfsTrans - Core		260 MIT License
Apache HZCommons Client	4.3.6	Apache License 2.0
Apache Directory LDAP API Schema Data	1.0.0-M20	Apache License 2.0
JAXB XML Binding Code Generator Package	2.1.32	2.2 (Common Development and Distribution License 1.0)
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SLF4J API Module	1.7.25-alpha-2	Apache License 2.0
JOSE Java	5.0.2	MIT License
Hadoop Engine	10.4.191	20090211 (GNU License v2.0 OR Eclipse Public License 1.0)
jodogs	1.0.12	MIT License
Apache Commons Net	3.1	2.2 Apache License 2.0
parquet-format-metadata	2.3.0-rc1	Apache License 2.0
Apache HZCommons Client	4.5.2	Apache License 2.0
Guice - Bean Reflection	2.4.0	Apache License 2.0 AND Eclipse Public License 1.0
bootstrap-stomp	1.1.0.Final	Apache License 2.0
ingest-common	5.6.2	BSD 3-clause "New" or "Revised" License
PHJ	0.10.0	Apache License 2.0
Apache log4j	1.2.15	Apache License 2.0
Spark Project Catalyst	1.3.1	Apache License 2.0
OSGI resource locator bundle - used by vertx	9.11.6.0	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
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Apache Avro IPC	1.7.7	Apache License 2.0
joon-dataprovider	1.10.0	Apache License 2.0
tez-mapreduce	0.9.1	Apache License 2.0
SL4J		Apache License 2.0
Apache Directory LDAP API Codec Core	1.0.0-M20	Apache License 2.0
jackson-datatype-guava	2.7.4	Apache License 2.0
jackson-core	2.8.5	Apache License 2.0
paradise	2.0.1	BSD 3-clause "New" or "Revised" License
JFS Topology Suite	1.1.0	1.13 (GNU Lesser General Public License v2.1 or later)
joon		MIT License
com.google.api.grpc-proto-google	1.0.0	Apache License 2.0
akka-actor	2.3.11	Apache License 2.0
jersey-container-servlet		2.24 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Rajhail	min	MIT License
Parquet Common	1.6.0rc3	Apache License 2.0
JOSEy	1.9.0	(BSD 3-clause "New" or "Revised" License AND Do What The F*ck You Want To Public License)
org.apache.jmlet/jmlet-core	0.9.1	MIT License
grizzly-http-servlet	1.9.8	Common Development and Distribution License 1.1
Apache Commons Compress	1.4.1	Apache License 2.0
ANTLR	2.7.2	ANTLR Software Rights Notice
grizzly-portunif	1.9.8	Common Development and Distribution License 1.1
google-gson	1.2.4	Apache License 2.0
javolution	5.5.1	BSD 2-clause "Simplified" License
Curator Client	2.7.1	Apache License 2.0
lang-expression	5.6.1	Apache License 2.0
ZT Process Executor		1.1 Apache License 2.0
scalap	2.10.0	BSD 3-clause "New" or "Revised" License
ApacheDS DBM Original Implementation	2.0.0-M2	Apache License 2.0
Apache Tomcat	6.0.37	Apache License 2.0
jackson-datatype-smile	2.8.6	Apache License 2.0
License Sandbox Extras	6.6.1	Apache License 2.0
tez2		20110809 (Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Netty Project		4.1.31.Final
ServiceLocator Default Implementation	2.5.0-005	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
infinitest SaaS implementation	1.0.0	Apache License 2.0
Lucene Expressions	1.1.1.111	Apache License 2.0
Apache HZCommons Client		3.1 Apache License 2.0
cglib		2.2 Apache License 2.0
AWS SDK for Java - Core	1.11.127	Apache License 2.0
AWS Java SDK for Amazon S3	1.11.127	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
Java Architecture for XML Binding	2.2.2	Apache License 2.0
hibernate-utils	5.5.6	Apache License 2.0 AND Eclipse Public License 1.0
Guice - Bean Injection	2.3.0	Apache License 2.0
Apache Avro RPC	1.9.0	Apache License 2.0
Cloudera CDI	5.9.1	Apache License 2.0
Javaassist	3.21.0-GA	(Apache License 2.0 OR GNU Lesser General Public License v2.1 or later OR Mozilla Public License 1.1)
Tachyon Under File System - FS	1.4.0	Apache License 2.0
Moshi		1.4.0 Apache License 2.0
Google Guice		4 Apache License 2.0
Beam/millstep	0.5.11	Apache License 2.0
vert.x	1.5.4	(Apache License 2.0 AND Eclipse Public License 2.0)
Apache Commons Math	3.6.1	Apache License 2.0
jackson-jaxrs-providers	2.8.5	(Sun GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1)
jersey-repackager-guava	2.2.1	Apache License 2.0
ivy-client-ship	0.3.0.2.8.2.63-6	Apache License 2.0
OSGI Logging Interceptor	1.9.1	Apache License 2.0
joon4-core	1.5.0	Apache License 2.0
Scala		2.10.4 Apache License 2.0
joda Time	2.9.4	Apache License 2.0
scala-compiler	2.10.4	BSD 3-clause "New" or "Revised" License
jakarta-remoting for J2SE common type	1.0.0	(Creative Commons "New" or "Revised" License AND Apache License 2.0 AND GNU Lesser General Public License v2.1 or later)
Lucene Memory	6.6.1	Apache License 2.0
Apache Parquet Format (incubating)	2.3.0-incubating	Apache License 2.0
joon4	1.9.2	Apache License 2.0
DruidFP	2.13.11	GNU Lesser General Public License v2.0 or later
Jackson Module: Guice	2.7.4	Apache License 2.0
htrace-core	1.0.2	Unknown License
grizzly-framework	1.9.8	Common Development and Distribution License 1.0
Tachyon Under File System - Local FS		