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Describes licensing and support for Oracle Big Data Appliance.



Oracle Big Data Appliance Licensing Information User Manual, Release 4 (4.7)

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Preface

This document identifies the licences for the software installed on Oracle Big Data Appliance.

Audience

This document is intended for all owners of Oracle Big Data Appliance.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Documents

For more information, see the Big Data documentation library at

http://www.oracle.com/technetwork/database/bigdata-appliance/
documentation/index.html

Oracle Big Data Appliance Software Licensing

Oracle Big Data Appliance is an engineered system optimized for acquiring, organizing, and analyzing big data. It combines optimized hardware components with new software solutions to deliver a complete big data solution.

This chapter describes the licensing and technical support of software installed on Oracle Big Data Appliance. It contains these topics:

- Big Data Appliance Software Installation
- Software Licensing

1.1 Big Data Appliance Software Installation

Oracle Big Data Appliance software is installed in two stages:

- Factory-Installed Image
- On-Site Software Installation

1.1.1 Factory-Installed Image

The Oracle Linux operating system and various configuration utilities are factoryinstalled on Oracle Big Data Appliance servers. Your license to use them is included with your purchase of the appliance.

1.1.2 On-Site Software Installation

An Oracle Customer Service Representative downloads all applications software for Oracle Big Data Appliance. Some of this software is included in the Oracle Big Data Appliance licensing agreement, while other software is licensed separately.

You must specify whether to install separately licensed and optional software components when completing the Oracle Big Data Appliance Configuration Generation Utility.

1.2 Software Licensing

The software downloaded to Oracle Big Data Appliance is protected by these licenses:

- **Included Software**
- Oracle Big Data SQL Licensing
- Oracle Big Data Connectors

- Oracle Big Data Spatial and Graph
- Separately Licensed Software
- Oracle Big Data Appliance Restrictions on Use as a Condition of Receiving Support

1.2.1 Included Software

This section summarizes the licensing and support of software included with your purchase of Oracle Big Data Appliance. The licenses are only for use of the software on Oracle Big Data Appliance. You cannot move or copy the software to another system.

Operating System

Software	License	Support
Oracle Linux	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems

Integrated Software

Software	License	Support
Cloudera's Distribution including Apache Hadoop	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera BDR	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera Impala	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera Manager	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera Navigator	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera RTD	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera Search	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Apache Spark	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems

Software	License	Support
Apache Kafka	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems

Other Software

Software	License	Support
Java HotSpot Virtual Machine	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
MySQL Enterprise Edition	Restricted use ¹	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Oracle NoSQL Database	GNU Affero General Public	None.
Community Edition	License Version 3 (AGPLv3)	You can purchase support from the Oracle Store at
		http://shop.oracle.com
Oracle R Distribution	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Oracle Perfect Balance	Perpetual for life of hardware	Oracle Premier Support for
(Oracle software for Oracle Big Data Appliance)		Systems or Oracle Premier Support for Operating Systems
Oracle DataSource for Apache Hadoop,	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support
formerly known as		for Operating Systems
Oracle Table Access for Hadoop		
(Oracle software for		
Oracle Big Data Appliance and Oracle		
Big Data Connectors)		

¹ See the Oracle Software License Agreement ("SLA") and Entitlement for Hardware Systems with Integrated Software Options

Note: The Oracle Big Data Appliance Enterprise Manager Plug-In can be installed and used on Oracle Big Data Appliance without additional licensing.

1.2.2 Oracle Big Data SQL Licensing

The licensing for Oracle Big Data SQL is separate from the licensing for other Oracle products.

When you purchase a license for Oracle Big Data SQL, note the following:

A separate license must be procured per disk per Hadoop cluster.

- All nodes within the Hadoop cluster that runs Oracle Big Data SQL must be licensed.
- All disks within every node that is part of a cluster running Oracle Big Data SQL must be licensed. Partial licensing within a node is not available. All nodes in the cluster are included.
- Only the Hadoop cluster side (Oracle Big Data Appliance, or other) of an Oracle Big Data SQL installation is licensed and no additional license is required for the database server side.
- Oracle Copy to Hadoop licensing is included.
- Oracle Super Cluster is not included.

Third Party Licensing for Oracle Shell for Hadoop Loaders

Oracle Shell for Hadoop Loaders is included in the Oracle Big Data SQL installation bundle. The following are third-party projects contained in Oracle Shell for Hadoop Loaders.

- ANTLR 4.5.2
- JLine 2.13
- Apache Commons Exec 1.3
- Apache Commons CLI 1.3.1

Unless otherwise specifically noted, or as required under the terms of the third party license (e.g., LGPL), the licenses and statements herein, including all statements regarding Apache-licensed code, are intended as notices only.

1.2.3 Oracle Big Data Connectors

The licensing for Oracle Big Data Connectors is separate from Oracle Big Data Appliance. You can install Oracle Big Data Connectors on a Hadoop cluster configured on either Oracle Big Data Appliance or commodity hardware.

When you purchase a license for Oracle Big Data Connectors, that license includes all of the following components:

- Oracle Loader for Hadoop
- A restricted use license of Oracle Data Integrator Enterprise Edition
- Oracle R Advanced Analytics for Hadoop
- Oracle SQL Connector for Hadoop Distributed File System
- Oracle XQuery for Hadoop
- Oracle DataSource for Apache Hadoop (formerly named Oracle Table Access for Hadoop)

Oracle Big Data Connectors must be licensed for all processors of a Hadoop cluster. When Oracle Big Data Connectors is installed on a single Hadoop cluster, it must be licensed on all processors. When Oracle Big Data Connectors is installed on multiple Hadoop clusters, it must be licensed on all processors of the clusters where the connectors are used.

For example, you might configure Oracle Big Data Appliance with three, six-node Hadoop clusters:

- Cluster 1 uses the Oracle SQL Connector for HDFS component of Oracle Big Data Connectors.
- Cluster 2 uses the Oracle XQuery for Hadoop component of Oracle Big Data Connectors.
- Cluster 3 does not use any component of Oracle Big Data Connectors.

For this configuration, you must license Oracle Big Data Connectors for the processors on 12 nodes (clusters 1 and 2).

The individual components are available only as part of the Oracle Big Data Connectors license. The components are not licensed individually.

Restricted Use License: Oracle Data Integrator Enterprise Edition as part of Oracle Big Data Connectors is restricted for use on Oracle Big Data Appliance with Cloudera CDH targets or Oracle NoSQL Database targets residing on Oracle Big Data Appliance. Any usage of Oracle Data Integrator outside of Oracle Big Data Appliance requires a full license for Oracle Data Integrator Enterprise Edition.

1.2.4 Oracle Big Data Spatial and Graph

The licensing for Oracle Big Data Spatial and Graph is separate from Oracle Big Data Appliance. When you purchase a license for Oracle Big Data Spatial and Graph that license includes the following components:

- Spatial support for vector and raster services on Hadoop
- Property graph support for data access to Apache HBase and Oracle NoSQL Database with indexing, search, and parallel in-memory analytics services.
- Multimedia support for processing and analyzing video and image data in Hadoop.

The spatial, multimedia, and property graph components are available only as part of Oracle Big Data Spatial and Graph. The components are not licensed individually.

You can install Oracle Big Data Spatial and Graph on a Hadoop cluster configured on either Oracle Big Data Appliance or commodity hardware. Additionally, the property graph component can be installed on an Oracle NoSQL Database Enterprise Edition cluster or on Community Edition with Oracle NoSQL Database Community Support configured on Oracle Big Data Appliance or other supported hardware. The property graph component can also be installed on a non-Hadoop client system in order to access supported Hadoop and Oracle NoSQL Database clusters (with or without Hadoop) as database servers.

Oracle Big Data Spatial and Graph must be licensed for all processors of the Hadoop cluster and/or the Oracle NoSQL Database cluster on which it is installed. All processors of a client system must be licensed for Oracle Big Data Spatial and Graph as

For example, you might configure Oracle Big Data Appliance with two, six-node Hadoop clusters and one Oracle NoSQL Database cluster:

Cluster 1 (Hadoop) uses the spatial services of Oracle Big Data Spatial and Graph.

- Cluster 2 (Hadoop) uses the property graph services of Oracle Big Data Spatial and Graph.
- Cluster 3 (Oracle NoSQL Database) uses the property graph services of Oracle Big Data Spatial and Graph.
- A client system also uses the property graph services of Oracle Big Data Spatial and Graph and accesses property graphs stored on Cluster 2 and/or Cluster 3.

For this configuration, you must license Oracle Big Data Spatial and Graph for the processors on 18 nodes (all three clusters) and on all processors of the client system.

Restricted Use: To read data from Oracle Database "Two Table Format" directly into the Oracle Big Data Spatial and Graph In-Memory Analyst (PGX) requires the following licenses:

1. Oracle Big Data Spatial and Graph license on an Oracle Big Data Appliance,

or,

2. Oracle Big Data Spatial and Graph license on another supported configuration and a license for the Oracle Spatial and Graph option on the Oracle Database Enterprise Edition system.

1.2.5 Separately Licensed Software

This software requires a separate license:

• Oracle NoSQL Database Enterprise Edition

1.2.6 Oracle Big Data Appliance Restrictions on Use as a Condition of Receiving Support

This section describes the restrictions on use of and modification to Oracle Big Data Appliance hardware and software that are conditions of your receiving support for the Oracle Big Data Appliance. These restrictions help to maintain a supportable hardware/software platform. Violating these restrictions can result in the loss of warranty and support.

Be sure to read and understand the restrictions under each of these categories:

- Hardware modifications
- Firmware updates
- Oracle Linux modifications
- Third-party software
- Changes to CDH (Cloudera's Distribution including Apache Hadoop).

Contact Oracle Support if you have questions about these restrictions or about modifications to Oracle Big Data Appliance not discussed in this document.

Restrictions on Hardware Modifications and Replacements

Customers may not modify or replace Oracle Big Data Appliance hardware, with one exception. They may replace the Cisco Ethernet switch that controls the administrative

network. The replacement must provide Gigabit Ethernet and at least 48 ports. These are the options:

- 1U in-rack replacement in the Cisco 4948 slot
- 2U in-rack replacement with a TOR (Top Of Rack) switch that supports both 10 GbE (or 40 GbE) and 1 GbE. In racks without a KVM, the TOR can be installed in the empty slots 41 and 42. The Sun Network 10 GbE Switch 72p is recommended. Note that this particular substitution is not possible in Sun Fire X4270 M2-based racks, which have no empty slots.
- Out-of-rack connections from each node to an external switch or panel. The external device must provide two ports for each server node, plus one for each InfiniBand switch and PDU in the Oracle Big Data Appliance rack.

Oracle does not make any provision for these modifications in the Oracle Big Data Appliance Starter, Full, Factory Upgrade, or Field Upgrade rack configurations. Customers must provide their own replacement hardware, perform the replacement, and support the non-standard switch at their own expense

The Cisco 4948 switch has no purpose other than control of the administrative network and can be turned off and removed if replaced.

Restrictions on Firmware Updates

Oracle Big Data Appliance hardware consists of "managed" and "non-managed" components. Firmware levels of managed components are regulated through Mammoth patches and are under tighter control than non-managed components

Firmware Updates for Managed Components

In general, customers may not update the firmware of the following Oracle Big Data Appliance managed components:

- Each server's ILOM/BIOS
- InfiniBand host channel adapters (HCA)
- Disk controller host bus adapters (HBA)
- Hard drives (HDD)

Customers may update firmware ordinarily managed by Mammoth only in cases where the original component failed and was replaced. Customers can use the bdaupdatefw utility to bring the firmware level up to (but not beyond) the level of the original Oracle-supplied component. No other method is permitted.

See Also:

Oracle Big Data Appliance Owner's Guide for information about the **bdaupdatefw** utility

Firmware Updates for Non-Managed Components

Customers may update firmware not managed by Mammoth. This includes firmware for the following components:

- Cisco 4948 Ethernet switch (both IOS and firmware)
- InfiniBand switches

- Power Distribution Units (PDUs)
- KVM switch and keyboard, monitor, mouse as needed (Sun Fire X4270 M2-based rack only).

For PDUs and InfiniBand switches, check MOS (My Oracle Support) Document 1528190.1 for supported firmware versions.

Note: Ensure that InfiniBand firmware stays current with the officially-supported release levels provided in the MOS document 1528190.1.

Restrictions on Oracle Linux Modifications

- Customers may upgrade or update the Oracle Linux kernel, but the upgrade is
 restricted to a newer version of the same Oracle Linux UEK (Unbreakable
 Enterprise Kernel) that was shipped with the product. For example, in the case of
 the UEK2 kernel, updates to newer versions of UEK2 are acceptable. Customers
 must follow the update procedures provided in the document, How To Upgrade a
 Kernel on BDA V4.2 and Higher/V4.1 (Doc ID 2033797.1) in My Oracle Support.
- Customers may add official Oracle Linux modules. Oracle Big Data Appliance does not support installation of Linux modules from sources that are not official Oracle Linux repositories. Customers install modules from these sources at their own risk. In addition, Oracle cannot answer questions about such software (before or after installation), and cannot provide assistance if issues arise from installing and using it. If Oracle suspects that the cause of a failure is software from an unofficial source, then Oracle Support will refer the customer to the vendor of the software, or, may ask the customer to remove the software and then reproduce the failure without it.
- Customers may apply Oracle Linux patches obtained from official Oracle Linux sources. Customers are responsible for the application of Oracle Linux security fixes as well as any other available security fixes from official Oracle repositories. Go to MOS (My Oracle Support) for instructions.
- Changing the partition layout on disks of a node of an Oracle Big Data Appliance cluster is not supported.

For clarity, with respect to separate works, including without limitation those in the Operating System, Integrated Software or Integrated Software Options, that are licensed to you under open source or similar license terms, the restrictions set forth in this section are intended solely as conditions to Oracle's obligations to provide support to you and not as restrictions on your license rights to use such separate works.

Restrictions on Third-Party Software

Customers are responsible for supporting all software on Oracle Big Data Appliance that is not installed by Mammoth. On top of the Mammoth installation, customers may install third-party software that is not supported by Oracle (such as applications, application utilities, and services) with the same caveats that apply to Oracle Linux modifications – support for such software and the consequences of installing and using it are the responsibility of the customer. This includes customer add-ons to components that are installed by Mammoth. In addition, third-party software installed on Oracle Big Data Appliance must comply with the following restrictions:

Supports 64-bit Oracle Linux on Oracle Big Data Appliance.

- Is directly related to use of Oracle-supported "big data" software installed on the appliance, such as Cloudera's Distribution including Apache Hadoop (CDH) or Oracle NoSQL Database. Software packages that support the health of the system, such as data center monitoring tools, are also acceptable.
- Does not overwrite, update, replace, or invalidate Oracle Big Data Appliance software. See the documentation on the bdachecksw utility in the Oracle Big Data Appliance Owner's Guide for instructions on how to confirm post-installation integrity.
- Does not consume system resources to a degree that adversely affects the performance of Oracle Linux, CDH, or Oracle NoSQL Database.

Regarding Storage of Non-HDFS Data

Customers are not restricted from use of /uNN data partitions within nodes of a CDH cluster for their own non-HDFS data. However, the following caveats apply:

- Use of these partitions will reduce space available for HDFS data.
- These partitions are not mirrored or redundant. Any data stored is subject to data loss if a disk fails. This storage should be limited to non-HDFS data that is replicated or can be regenerated.
- Oracle recommends that you do not use /u01 and /u02 on the first three nodes of a cluster for heavy I/O workloads. These disks are used by critical HDFS and Zookeeper roles.

Regarding use of the Oracle Big Data Appliance MySQL Installation

The MySQL instance on Oracle Big Data Appliance is specifically intended for internal use by the appliance only. No support is provided for using it for other purposes and use of MySQL outside of the intended purpose may interfere with future updates to the software.

Restrictions on Changes to CDH

The following actions may interfere with CDH functionality and are therefore restricted.

- Moving CDH services from their Mammoth-installed locations.
 - Customers may not move CDH services from one server to another using Cloudera Manager or any other means. These services, such as NameNode and JobTracker, must remain on the servers where they were installed by the Mammoth utility. The one exception to this rule is a move to recover from a node failure. Customers may use Mammoth node migration to move CDH services in this case.
- Installing Oracle NoSQL Database on HDFS nodes
 - Customers may not de-allocate disk drives from HDFS for reallocation to Oracle NoSQL Database or for any other reason. Oracle does not support an installation of CDH where the HDFS drive configuration on the Oracle Big Data Appliance has been modified by the customer. For more details on installing Oracle NoSQL Database on HDFS nodes, contact Oracle Support.

Other Restrictions

- Customers may not connect USB devices to Oracle Big Data Appliance servers except for the purposes documented in the Oracle Big Data Appliance Owner's Guide.
- Network ports on Big Data Appliance servers may not connect to external non-Sun servers using the Fibre Channel over Ethernet (FCoE) protocol. However, NFS and iSCSI connections to external non-Sun servers are supported.
- Customers may not connect third-party switching devices to the InfiniBand network. Only switches supported in Oracle Engineered Systems may be connected to the InfiniBand network. If you are not sure that a switch meets this requirement, contact Oracle Support.

Third-Party Licenses

This chapter contains licensing information about third-party products installed on Oracle Big Data Appliance. It contains the following topics:

- Offer to Provide Source Code
- Cloudera Products
- Java HotSpot Virtual Machine
- MySQL Database Enterprise Edition
- Oracle Integrated Lights Out Manager (ILOM)
- Oracle Linux
- Oracle NoSQL Database
- **Puppet**
- Oracle R Distribution
- **ROracle**
- Scala
- Sun Datacenter InfiniBand Switch 36
- Sun Network QDR InfiniBand Gateway

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http://oss.oracle.com/systems-opensourcecode

The source code for some software components of Oracle Big Data Appliance is readily available at the locations identified in Table 2-1.

Table 2-1 Location of Source Code

Software	Source Code Location
Cloudera's Distribution including Apache Hadoop	All Oracle Big Data Appliance servers in directory /opt/oss/src/CDH/

Table 2-1 (Cont.) Location of Source Code

Software	Source Code Location
Cloudera Manager	All Oracle Big Data Appliance servers in directory /opt/oss/src/ClouderaMgr/
Java HotSpot Virtual Machine	All Oracle Big Data Appliance servers in zip file /usr/java/jdk1.7.0_25/src.zip
MySQL Community Edition	http://dev.mysql.com/downloads/mysql/ MySQL Enterprise Edition is installed on Oracle Big Data Appliance. It is proprietary software protected by intellectual property laws. This link is to the source code for MySQL Community Edition, which is open source.
Open Source R	All Oracle Big Data Appliance servers in directory /opt/oss/src/OracleR/
Oracle Hardware Installation Assistant	http://oss.oracle.com/systems-opensourcecode/ Under Servers and Storage Systems, expand X86 Servers and Blades, and then select Sun Server X4-2, Sun Server X3-2, or Sun Fire X4270 M2 Server.
Oracle Integrated Lights Out Manager	http://oss.oracle.com/systems-opensourcecode/ Under Servers and Storage Systems, expand x86 Servers and Blades, and then select Sun Server X4-2, Sun Server X3-2, or Sun Fire X4270 M2 Server.
Oracle Linux	http://oss.oracle.com/ol6/
Puppet	All Oracle Big Data Appliance servers in directory /opt/oss/src/puppet/
Sun Datacenter InfiniBand Switch 36	http://oss.oracle.com/systems-opensourcecode/ Expand Networking, and then select Sun Datacenter InfiniBand Switch 36.
Sun Network QDR InfiniBand Gateway	http://oss.oracle.com/systems-opensourcecode/ Expand Networking, and then select Sun Datacenter InfiniBand GW Switch.

If the source code for the technology was not provided with the binary or otherwise made available to you, you can also receive a copy of the source code on physical media by submitting a written request to:

Oracle America, Inc.

Attn: Associate General Counsel

Development and Engineering Legal

500 Oracle Parkway, 10th Floor

Redwood Shores, CA 94065

Or, you can send an email to Oracle using the following link:

BDA-info@oracle.com

Your request should include:

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- The name and version number of the Oracle product
- The date you received the Oracle product
- Your name
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See Also:

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Version 2.0, January 2004

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2.16 99soft :: Rocoto 6.1, 6.1.14

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2.87 Apache XML Commons External Components XML APIs 1.3.04, 1.4.01

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2.90 argparse4j 0.4.3

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2.91 argparse 1.1

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2.93 AspectJ 1.65

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2.94 Asynchronous Http Client 1.7.5

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2.95 atinject 1

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2.96 Automaton 1.11-1

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2.97 Babel 0.9.6

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2.98 BabelDjango 0.2.2

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2.102 Beaker 1.4.2, 1.5.4

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2.103 Bean Validation API 1.1.0 Final

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2.104 BGlframe

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2.105 Boilerpipe 1.1.0

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2.106 BoneCP 0.7.1, 0.8.0

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2.107 Bootplus 1.0.1

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2.108 Bootstrap Theme for jQery Tokeninput

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2.109 Boto 2.4.1

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2.110 Bouncy Castle Crypto 1.45, 1.46, 1.47

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2.111 BSON 2.11.1

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2.113 C-ares 1.7.5

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2.114 c3p0 0.9.1, 0.9.1.1

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2.115 Calculations from "Application to measuring computer performance"

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2.116 CERN Colt Java Matrix

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2.117 cglib 2.1.3, 2.2, 2.2.2

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2.118 CherryPy 3.2.2

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2.119 chill, chill java 0.3.1

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2.120 Chosen 1.0.0

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2.121 ClassMate 0.8.0

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2.122 classworlds 1.1-alpha-2

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2.137 Colt 1.2.0

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2.138 Colorbrewer 0.9.5

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2.139 ColVis 1.0.8

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2.141 ConcurrentLinkedHashMap 1.2, 1.3

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2.142 config 1.0.2

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2.143 ConfigObj 4.6.0

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2.145 CSS Parser 0.9.5

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2.146 ctypes 1.0.2

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2.147 CUP Parser Generator

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2.148 CYRUS SASL 2.1.23

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2.149 D3.js

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2.150 Data Mapper for Jackson 1.8.11, 1.8.8

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2.156 DD belatedPNG 0.0.8a

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2.157 Default Plexus Container 1.0-alpha-9-stable-1

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2.164 Django LDAP Authentication

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2.165 Django Nose 1.2

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2.166 Django OpenID 0.5

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2.167 dnsjava 2.1.1

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2.168 Dom4j 1.6.1

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2.169 Doug Lea's util.concurrent Package

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2.170 Drools Knowledge API 5.3.1

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2.171 eaio:UUID 3.2.0

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2.172 EasyMock 3.1

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2.173 Eclipse JDT Core 3.1.1, 3.5.1, 3.7.1, 4.2.2

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2.174 Ehcache Core 2.4.3, 2.6.3

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2.175 elementtree 1.2.6, 1.2.7

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2.176 Enum 0.4.4

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2.177 ESAPI 2.0.1

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2.179 fastutil 6.4.4

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2.189 Findbugs Annotations 1.3.9-1

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2.190 Flashcanvas

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2.191 Glassfish Jasper JSP 2.0 2.1 2.1.v20091210 2.2.2 6.1.14, 2.16.1.14

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2.192 Glassfish MBean Annotation Library 3.0.0-b012, 3.0.0-b023

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2.194 gmetric4j 1.0.3

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2.201 Google Groovy 1.8.5, 2.1.6

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2.203 Google Guava 11.0.2, 12.0.1, 13.0, 14.0, 14.0.1

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2.213 Hamcrest 1.1, 1.3, 1.9

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2.214 hawtbuf 1.9

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2.216 hector-core 1.0-5

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2.218 Hibernate JPA API 1.0.1

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2.221 HtmUnit Core JS 2.9

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2.222 htrace-core 2.00, 2.01

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2.223 HTTPlib2 0.8

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2.224 HyperSQL 1.8.0.7, 1.8.0.10, 2.2.9, 2.3.1

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2.225 ICU4J 49.1

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2.226 ini4j 0.5.1

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2.227 Interface Elements for JQuery

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2.231 Ispell EnWL 3.1.20

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2.232 Jackson JSON library 1.0.1, 1.8.3, 1.8.8, 1.8.11, 1.9.12, 1.9.13, 1.9.2, 1.9.3, 2.0.4, 2.1.0, 2.2.2, 2.3.0, 2.3.1

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2.233 Jackson Module JAXB 2.0.4, 2.1.0

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2.239 JAMon Java Application Monitor API 2.73

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2.240 Jansi 1.7, 1.9

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2.243 Jasmine 1.2.0

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2.246 Java Agent for Memory Measurements 0.2.5

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2.247 Java API for RESTful Web Services 1.7.1, 1.8.11, 1.8.3, 1.8.8, 2.0-m10

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2.248 Java API for Servlets 2.5

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2.250 Java Native Access Platform 1.0, 3.3.0, 3.4.0

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2.251 Java Servlet API 2.2.0, 2.5, 2.5, 3.0, 3.0.1

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2.255 java-diff-utils 1.2.1

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2.257 JavaBeans Activation 1.1.1

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2.258 javaEWAH 0.3.2

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2.259 JavaMail API 1.4, 1.4.1, 1.4.3

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2.260 JavaMelody - Core 1.36.0

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2.262 Javassist 3.15.0, 3.16.1-GA

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2.263 javatuples 1.2

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2.264 JAXB 1.4, 2.1, 2.1.13, 2.2.2, 2.2.2-promoted-b(92-99), 2.2.3-1, 2.5.0

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2.265 jbcrypt 0.3m

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2.267 JBoss Hibernate 4.2.2

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2.268 JBoss Logging Framework 3.1.0.GA, 3.1.1.GA

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2.270 JCommander 1.3.0

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2.271 jdbcdslog 1.0.6

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2.272 JDO API 3.0.1

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2.273 JDOM 1.0, 1.1

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2.274 Jersey JSON library 1.4, 1.8, 1.9, 1.11

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2.275 JetS3t 0.6.1, 0.7.1, 0.9.0, 2.0.0

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2.276 Jettison 1.1, 1.3.1, 1.3.2

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2.277 Jetty Servlet API 1.2.0.v201112081803, 2.2.0.v201108011116, 2.5, 2.5-6.1.14, 6.1.14, 6.1.26, 7.6.0, 7.6.8.v20121106, 8.1.10.v20130312, 8.1.14, 8.1.17

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2.278 JLine Console Input Library jline 0.9.94, 2.10, 2.2

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2.279 Joda Money 0.6

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2.280 Joda Time 1.6.2, 2.1, 2.2

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2.281 Jopt Simple 3.2, 4.3

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2.282 JPicker 1.1.6

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2.283 jQuery 1.2.3, 1.2.6, 1.4.2, 1.7.1, 1.7.2, 1.10.2, 1.8.2, 1.9.1, 2.0.2, 2.0.3

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2.284 ¡Query Autocomplete

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2.285 ¡Query Block UI 2.3.9

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2.286 jQuery Cookie Plugin

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2.287 ¡Query DataTables Plugin 1.8.2, 1.9.4

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2.288 jQuery Date Range Picker

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2.289 ¡Query Flot

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2.290 jQuery Form Plugin 2.47

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2.291 jQuery Hashchange Plugin 1.3

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2.292 JQuery Interface Elements

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2.293 jQuery JSTree 1.0

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2.294 jQuery Placeholder

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2.296 jQuery Total Storage 1.1.2

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2.297 jQuery TreeTable Plugin 2.3.0

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2.298 JQuery UI 1.8, 1.8.18, 1.8.23, 1.9.1

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2.299 jQuery UI Bootstrap

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2.300 ¡Query UI Core - Selector

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2.301 jQuery UI Layout Plugin 1.3.0

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2.302 jQuery UI Timepicker 1.1.1, 1.3

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2.303 jQuery Validation Plugin 1.8.1

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2.304 JRuby Complete 1.6.5, 1.6.8

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2.305 JS-URL 1.7.5

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2.306 JSch 0.1.42, 0.1.48

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2.309 JSON-simple 1.1

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2.311 JSR-3.0.5 1.3.7

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2.312 JSR-305 Annotations 1.1.0

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2.313 jsr311-api 1.1.1

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2.314 JTA 1.1.1

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2.316 JUnit 4.10, 4.11, 4.8.1, 4.8.2

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2.317 juniversalchardet 1.0.3

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2.318 Jython 2.5.2, 2.5.3

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2.319 Killable Processes

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2.320 Knockout Bootstrap 0.2.1

Author: Bill Pullen

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2.321 Knockout JavaScript Library 2.1.0, 2.2.1

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2.322 Knockout Mapping Plugin 2.3.2, 2.4.1

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2.323 Knockout Sortable 0.7.3

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2.324 Kosmos Distributed File System (KFS) 0.2.2, 0.3

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2.325 Kryo 2.21

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2.329 LESS 1.0.41, 1.3.3

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2.330 leveldbjni 1.7

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2.334 lockfile 0.8

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2.336 Lunr 0.2.0

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2.337 LXML 2.2.2

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2.338 LZ4 and xxHash 1.1.0

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2.339 M2Crypto 0.21.1

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2.340 Mako 0.8.1, 0.3.4

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2.341 MapDB 0.9.8

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2.342 Markdown 1.5a, 2.0.3

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2.343 MarkupSafe 0.9.3, 0.11

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2.345 Meld3 0.6.7

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2.346 mesos 0.13.0

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2.348 Metrics Core 2.1.2, 3.1.3, 2.2.0, 3.0.0, 3.0.1

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2.349 Minizip 1.01e

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2.350 MinLog 1.2

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2.351 Mock 0.8.0

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2.352 Mockito 1.8.5, 1.9.0

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2.353 Modernizr 2.6.2

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2.355 moment.js 1.5.0, 1.7.0, 2.3.1

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2.356 MongoDB Java Driver 2.11.1

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2.357 Mozilla zlib Configuration

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2.358 MRUnit 1.0.0

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2.359 Multiprocessing 2.6.2.1

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2.360 MurmerHash3 Algorithm

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2.361 mustach.java view for spring3 0.9.3

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2.362 Mustache JS

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2.363 Mustache.js port for Java 0.8.10, 0.8.12

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2.364 MVEL 2.1.3.Final

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2.365 MX4j Tools 3.0.1

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2.366 MySQLdb for Python 1.2.3

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2.367 Neko HTML 1.9.15, 1.9.17

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2.368 Netcdf-Java 4.2

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2.369 Newtonsoft JSON .NET

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2.370 Ning Compress 0.8.4

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2.371 Node JS 0.6.8

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2.372 Node Module Abbrev 1.0.3

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2.373 Node Module Block Stream 0.0.4

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2.375 Node Module FStream 0.1.11

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2.379 Node Module LRU Cache 1.0.5

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2.380 Node Module Minimatch 1.0.3

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2.381 Node Module MkDirp 0.1.0

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2.382 Node Module Node UUID 1.3.3

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2.383 Node Module Nopt 1.0.10

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2.388 Node Module Semver 1.0.13

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2.390 Node Module Tar 0.1.12

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2.392 Node Package Manager 1.1

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2.393 Noggit 0.5

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2.396 ObjectWeb ASM 3.0, 3.1, 3.2, 4.0, 4.1

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2.397 objenesis 1.2

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2.399 OpenJPA 2.1.0, 2.2.2

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2.400 OpenJS Keyboard Shortcut

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2.402 OpenSAML 2.5.3

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2.403 Open SSL 0.9.8r

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2.409 PostgreSQL JDBC Driver 9.0-801.jdbc4, 9.1-901.jdbc4

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2.410 PrettyTable 0.7.1

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2.411 Prototype JavaScript Framework 1.4.0_pre4

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2.413 Protocol Buffer Java API 2.4.0a, 2.4.1, 2.5.0

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2.418 Py4J 0.8.1

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2.421 pyOpenSSL 0.13

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2.422 PySQLite 2.55

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2.424 Python Daemon 1.5.1

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2.425 Python fastsearch.h

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2.427 Python Markdown 2.0.2

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2.428 Python OAuth 2

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2.429 Python OpenID 2.2.5

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2.430 Python PAM 0.1.3

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2.432 PyTidyLib 0.2.1

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2.433 PyYAML 3.09

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2.434 Quartz Enterprise Job Scheduler 2.0.2, 2.1.7

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2.435 QUnit

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2.436 RapidJSON 0.11

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2.438 Reflect ASM 1.07

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2.439 Remote Tea Runtime 1.0.7

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2.440 Requests 2.0.0

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2.441 Requests Kerberos Authentication 0.3

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2.442 RequireJS 1.0.6, 2.0.1, 2.0.4, 2.0.5, 2.1.8

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2.443 RequireJS JSON Plugin 0.3.1

Author: Miller Medeiros Version: 0.3.2 (2013/08/17)

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2.446 Sammy 0.7.1

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2.447 Saxon-HE 9.5.1-1, 9.5.1-4

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2.448 Scala Compiler and Library 2.10.3, 2.9.2

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2.449 ScalaTest 1.7.2

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2.452 Selenium 2.23.0, 2.25.0, 2.8.0

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2.455 Servlet Specification 2.5 API 6.1.14, 6.1.9

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2.456 Shutterstock Rickshaw

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2.457 Simple API for CSS 1.3

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2.458 Simple JavaScript Inheritance

Simple JavaScript Inheritance by John Resig http://ejohn.org/

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2.459 simpleJSON 2.1.2

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2.463 SLF4J 1.6.1, 1.6.4, 1.6.6, 1.7.2, 1.7.5

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2.464 SnakeYAML 1.1.0, 1.6, 1.8

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2.465 Snappy for Java 1.0.4.1, 1.0.5

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2.466 SnapTree 0.2.2

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2.467 SNMP4j 1.11.3

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2.468 SNMP4j Agent 1.3.1

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2.469 SortTable v2

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2.470 South Migrations for Django 0.8.2

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2.472 speed4j 0.9

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2.473 Spring Framework 1.3.1, 3.2.1.RELEASE, 3.2.5, 3.0.6.RELEASE

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2.474 SQLite JDBC 3.7.2

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2.475 SQLLine 1.0.1

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2.476 SQLparse 0.1.7

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2.477 Squeasel

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2.478 sshj 0.8.0, 0.8.1

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2.479 StAX 1.0 API 1.0-2, 1.0.1

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2.480 StAX2 API Woodstox Implementation 3.1.1, 3.2.7, 4.2.0

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2.482 stream-lib 2.4.0

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2.483 StringTemplate 3.2.1

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2.484 StumbleUpon Async HBase 1.3.1, 1.4.1

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2.485 Supervisor 3.0a12

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2.489 The Netty Project 3.2.2, 3.2.2.Final, 3.2.4.Final, 3.3.1, 3.4.0, 3.4.0.Final, 3.4.6.Final, 3.6.2, 3.6.6, 3.6.6.Final, 4.0.13

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2.490 threadframe 0.2

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2.491 Threadpool 1.2.7

Title: Easy to use object-oriented thread pool framework

Author: Christopher Arndt

Version: 1.2.7 Date: 2009-10-07 License: MIT License

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2.495 Twitter4j 3.0.3

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2.496 ua-parser 1.3.0

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2.498 Underscore.js 1.4.4, 1.5.2

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2.499 United Expression Language 2.2, 2.2.4

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2.500 urllib2-kerberos 0.1.6

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2.504 VorbisJava 0.1.42, 0.1.48

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2.511 Woodstox 3.2.7, 4.1.4, 4.2.0

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2.512 WSDL4J 1.6.2, 1.6.3

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2.513 X-editable 1.4.3

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2.515 XML Compatibility Extensions for Jackson 1.7.1, 1.8.11, 1.8.3, 1.8.8

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2.516 XML Pull Parser 3 (xpp3) 1.1.4c

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2.518 xmlenc 0.52

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2.522 zLib 1.2.3, 1.2.4

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Robert Gentleman

Kurt Hornik

Stefano Iacus

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Martin Maechler

Duncan Murdoch

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Duncan Temple Lang

Luke Tierney

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plus Heiner Schwarte up to October 1999 and Guido Masarotto up to June 2003.

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2.541 unzip.h -- IO for uncompress .zip files using zlib

Version 1.01e, February 12th, 2005

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2.545 Sun Datacenter InfiniBand Switch 36

Third-party notices and licenses for Sun Datacenter InfiniBand Switch 36 are published in *Sun Datacenter InfiniBand Switch 36 Program Documentation Third Party Licenses and Notices* at

http://docs.oracle.com/cd/E26698_01/pdf/E23541.pdf

2.546 Sun Network QDR InfiniBand Gateway

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http://docs.oracle.com/cd/E26699_01/pdf/E23542.pdf

Cloudera Third-Party Licenses

This chapter lists the third-party licenses for the Cloudera software installed on Oracle Big Data Appliance.

This chapter contains the following sections:

- Cloudera's Distribution including Apache Hadoop
- Cloudera Manager

See Also:

Cloudera Third-Party Licenses at

http://www.cloudera.com/content/cloudera-content/clouderadocs/Licenses/Third-Party-Licenses/Third-Party-Licenses.html

3.1 Cloudera's Distribution including Apache Hadoop

Table 3-1 lists the third-party licenses for CDH5 and associated Cloudera products.

Table 3-1 **CDH5 Third-Party Software Licenses**

Product	Version	License	Source URL
Annotation 1.0	1	Apache 2.0	http://geronimo.apache.org/
Ant Contrib 1.0b3	1.0b3	Apache 1.1, See notes about Apache 2.0	http://ant-contrib.sourceforge.net/
ANTLR	2.7.7	ANTLR 2 Public Domain License	http://www.antlr2.org/
ANTLR	3.4	BSD-3	http://www.antlr.org/
ANTLR ST4 4.0.4		BSD	http://www.stringtemplate.org
AOP Alliance	1	Public Domain	http://aopalliance.sourceforge.net/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

-			•
Product	Version	License	Source URL
Apache Ant 1.8.1	1.8.1	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/apache/ant/anthttp://ant.apache.org/
Apache Ant Core	1.9.1	Apache 2.0	http://ant.apache.org/
Apache Ant tasks for Python 1.3	1.3	Apache 2.0	https://code.google.com/p/pyanttasks/
Apache Avro		Apache 2.0	http://avro.apache.org
Apache Bigtop		Apache 2.0	https://github.com/apache/bigtop
Apache Calcite 1.0.0	1.0.0	Apache 2.0	https://github.com/apache/incubator-calcite/tree/master/linq4j/src/main/java/org/apache/calcite/linq4j
Apache Commons BeanUtils	1.8.0	Apache 2.0	http://commons.apache.org/proper/commons-beanutils/
Apache Commons CLI 1.2	1.2	Apache 2.0	http://commons.apache.org/proper/commons-cli/
Apache Commons Codec 1.4	1.4	Apache 2.0	http://commons.apache.org/proper/commons-digester/
Apache Commons Collections 3.2.1	3.2.1	Apache 2.0	http://commons.apache.org/proper/commons-collections/
Apache Commons Compiler 2.7.6	2.7.6	BSD	https://github.com/codehaus/janino
Apache Commons Compress 1.4.1	1.4.1	Apache 2.0	http://commons.apache.org/proper/commons-compress/
Apache Commons Configuration 1.6	1.6	Apache 2.0	http://commons.apache.org/proper/commons-configuration/
Apache Commons Daemon 1.0.13	1.0.13	Apache 2.0	http://commons.apache.org/proper/commons-daemon/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

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Product	Version	License	Source URL
Apache Commons DBCP 1.4	1.4	Apache 2.0	http://commons.apache.org/proper/commons-dbcp/
Apache Commons Digester 1.8	1.8	Apache 2.0	http://commons.apache.org/proper/commons-digester/
Apache Commons EL 1.0	1	Apache 1.1	http://commons.apache.org/proper/commons-el/
Apache Commons Exec	1.1	Apache 2.0	http://commons.apache.org/exec/
Apache Commons HttpClient 3.1	3.1	Apache 2.0	http://hc.apache.org/httpclient-3.x/
Apache Commons IO 2.4	2.4	Apache 2.0	http://commons.apache.org/proper/commons-io/
Apache Commons Lang 2.6	2.6	Apache 2.0	http://commons.apache.org/proper/commons-lang/
Apache Commons Logging 1.1.3	1.1.3	Apache 2.0	http://commons.apache.org/logging, http://commons.apache.org/logging/, http://commons.apache.org/proper/commons-logging/
Apache Commons Math3 3.1.1	3.1.1	Apache 2.0	http://commons.apache.org/math/
Apache Commons Net 3.1	3.1	Apache 2.0	http://commons.apache.org/net/
Apache Commons Pool 1.5.4	1.5.4	Apache 2.0	http://jakarta.apache.org/commons/pool/
Apache Commons VFS2	2	Apache 2.0	http://commons.apache.org/proper/commons-vfs/
Apache Crunch		Apache 2.0	https://github.com/apache/crunch
Apache Curator 2.7.1	2.7.1	Apache 2.0	http://curator.apache.org/curator-client/
Apache Directory API All	1.0.0- M20	Apache 2.0	https://directory.apache.org/api/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Apache Flume		Apache 2.0	https://flume.apache.org/
Apache FTPLet 1.0.0	1.0.0	Apache 2.0	https://mina.apache.org/ftpserver-project/ftplet.html
Apache Geronimo Java EE Specification APIs	1.1.1	Apache 2.0	http://geronimo.apache.org/
Apache Hadoop		Apache 2.0	https://hadoop.apache.org/
Apache HBase		Apache 2.0	http://hbase.apache.org
Apache Hive		Apache 2.0	http://hive.apache.org
Apache HttpCore 4.2.5	4.2.5	Apache 2.0	http://hc.apache.org/httpcomponents-core-ga
Apache Jakarta ORO 2.0.8	2.0.8	Apache 1.1	http://jakarta.apache.org/oro/
Apache Log4j	1.2.9	Apache 1.1	http://www.logging.apache.org/log4j/
Apache Log4j	1.2.16,1 .2.17	Apache 2.0	http://www.logging.apache.org/log4j/
Apache Lucene/Solr		Apache 2.0	http://lucene.apache.org/solr/
Apache Mahout		Apache 2.0	http://mahout.apache.org
Apache Mina Core 2.0.0	2.0.0	Apache 2.0	https://mina.apache.org/
Apache MINA Core 2.0.0 M5	2.0.0	Apache 2.0	https://mina.apache.org/
Apache Oozie		Apache 2.0	https://github.com/apache/oozie
Apache Parquet MR		Apache 2.0	https://github.com/apache/parquet-mr
Apache Pig		Apache 2.0	https://pig.apache.org/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Table 3-1 (C	ont.) CDI	is minu-ra	ity Software Licenses
Product	Version	License	Source URL
Apache Sentry		Apache 2.0	https://sentry.incubator.apache.org/
Apache Sentry		Apache 2.0	https://sentry.incubator.apache.org/
Apache Shiro :: Core 1.2.1	1.2.1	Apache 2.0	https://shiro.apache.org
Apache Spark		Apache 2.0	https://spark.apache.org/
Apache Sqoop		Apache 2.0	http://sqoop.apache.org/
Apache Thrift		Apache 2.0	http://thrift.apache.org
Apache Thrift 0.9.0	0.9.0	Apache 2.0	http://thrift.apache.org
Apache Tomcat		Apache 2.0	https://tomcat.apache.org/index.html
Apache Velocity	1.5,1.7	Apache 2.0	http://velocity.apache.org
Apache Whirr		Apache 2.0	http://whirr.apache.org
Apache Zookeeper		Apache 2.0	https://zookeeper.apache.org/
ApacheDS 2.0.0 M15	2.0.0	Apache 2.0	https://directory.apache.org/apacheds/
ASM 3.0	3	BSD-3	http://asm.ow2.org/
atinject 1	1	Apache 2.0	http://code.google.com/p/atinject/
BoneCP :: Core Library	0.8.0 , 0.7.0	Apache 2.0	http://jolbox.com/
Bootplus		GPL v2.0 or Apache 2.0	http://aozora.github.io/bootplus/
bootstrap- slider		MIT	https://github.com/seiyria/bootstrap-slider
Bouncy Castle	15-140	Bouncy Castle License	http://www.bouncycastle.org/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Droduct	Varaian	Licence	Course UDI
Product		License	Source URL
CA Bundle	2.6.0	MPL v2.0	
Cloudera CDH Package		Apache 2.0	https://github.com/cloudera/cdh-package
Cloudera Hue		Apache 2.0	http://gethue.com/
Cloudera Impala		Apache 2.0	http://www.cloudera.com/content/cloudera/en/products-and-services/cdh/impala.html
Cloudera llama		Apache 2.0	http://cloudera.github.io/llama/
Cloudera modified Boost Multiprecisio n Library		Boost Software License 1.0	http://www.boost.org
Cloudera Search		Apache 2.0	https://github.com/cloudera/search
Code adapted from Stackoverflow		CC BY- SA-3.0, See notes about similar code	http://stackoverflow.com/questions/10982717/get-html-without-header-with-boostasio
Code based on lzop (GPL v2.0+)		GPL v2.0+	http://www.lzop.org/
Code from StackOverflo w Article		CC BY SA 3.0	http://stackoverflow.com/questions/59895/can-a-bash-script-tell-what-directory-its-stored-in%5C
CodeMirror		MIT	https://codemirror.net/
ColVis 1.0.8	1.0.8	GPL v2.0 or BSD-3	https://github.com/DataTables/ColVis
ctypes 1.0.2	1.0.2	MIT	https://pypi.python.org/pypi/ctypes?
Data Mapper for Jackson 1.8.8	1.8.8	Apache 2.0	http://jackson.codehaus.org
DataFu		Apache 2.0	https://github.com/cloudera/datafu
DataNucleus Core 3.2.2	3.2.2	Apache 2.0	http://www.datanucleus.org

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Django Authenticatio n Using LDAP 1.2.0	1.2.0	BSD-2	https://pythonhosted.org/django-auth-ldap/
DropzoneJS		MIT	http://www.dropzonejs.com/
Eclipse Plugin	2.5.0.v2 011030 41518	Apache 2.0	http://www.eclipse.org/
Eclipse Plugin - Jetty	6.1.26.c louder a.4	EPL v1.0 or Apache2 .0, See Notes	http://www.eclipse.org/jetty/
Ehcache Core 2.4.4	2.4.4	Apache 2.0	http://ehcache.org
ElementTree 1.2.6	1.2.6	MIT- style	http://effbot.org/downloads/#elementtree
File heapq.py from Python		Python License	http://svn.python.org/projects/python/tags/r27a4/Lib/heapq.py
File Valgrind.h from Valgrind		BSD- Style, See Notes about GPL	http://valgrind.org/
Files from Cloudera		Apache 2.0	
Files Generated by Doxygen		Tool is GPL, Output Likely None	http://www.stack.nl/~dimitri/doxygen/
Files with Copyright Cloudera		Most files are Apache 2.0, See License	
Findbugs Annotations under Apache License	1.3.9-1	Apache 2.0	http://stephenc.github.com/findbugs-annotations
Glassfish Jasper	2.1-6.1 , 14	CDDL 1.0	http://mirrors.ibiblio.org/maven2/org/mortbay/jetty/jsp-2.1

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

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Version	License	Source URL
2.1-6.1 , 14	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/mortbay/ jetty/jsp-api-2.1
3	Apache 2.0	https://github.com/google/guice
2.1.6	Apache 2.0	http://groovy.codehaus.org/
2.2.4	Apache 2.0	https://github.com/google/gson
11.0.2 , 12.0.1 , 14.0.1	Apache 2.0	http://code.google.com/p/guava-libraries/
0.1.10	MIT	https://pypi.python.org/pypi/guppy/0.1.10
	Apache 2.0	https://hadoop.apache.org/docs/r1.2.1/api/ overview-summary.html
	GPL v3.0+	https://code.google.com/a/apache-extras.org/p/hadoop-gpl-compression/
1.3,1.1	BSD-3	http://code.google.com/p/hamcrest/
	Apache 2.0	https://github.com/NGDATA/hbase-indexer
1.8.0.10 , 2.0.0	BSD-3	http://hsqldb.org/
3.0.4	Apache 2.0	https://github.com/cloudera/htrace
4.2.5	Apache 2.0	http://hc.apache.org/httpcomponents-client
2.0.8	MIT	https://code.google.com/p/httplib2/
2.1.2	GPL or MIT	http://interface.eyecon.ro/
2.0.0	Apache 2.0	http://ant.apache.org/ivy/, http:// mirrors.ibiblio.org/maven2/org/apache/ivy/ivy
1.8.8	Apache 2.0	http://jackson.codehaus.org
2.2.2	Apache 2.0	http://wiki.fasterxml.com/JacksonHome
2.2.2	Apache 2.0	http://wiki.fasterxml.com/JacksonHome
	2.1-6.1, 14 3 2.1.6 2.2.4 11.0.2, 12.0.1, 14.0.1 0.1.10 1.3,1.1 1.8.0.10, 2.0.0 3.0.4 4.2.5 2.0.8 2.1.2 2.0.0 1.8.8 2.2.2	14 2.0 3 Apache 2.0 2.1.6 Apache 2.0 2.2.4 Apache 2.0 11.0.2, Apache 12.0.1, 2.0 14.0.1 MIT Apache 2.0 GPL v3.0+ 1.3,1.1 BSD-3 Apache 2.0 1.8.0.10 BSD-3, 2.0.0 3.0.4 Apache 2.0 4.2.5 Apache 2.0 4.2.5 Apache 2.0 2.0.8 MIT 2.1.2 GPL or MIT 2.1.2 GPL or MIT 2.1.2 GPL or MIT 2.1.2 Apache 2.0 1.8.8 Apache 2.0 2.2.2 Apache 2.0 2.2.2 Apache 2.0 2.2.2 Apache

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Jackson JAX- RS JSON Provider	1.9.2	Apache 2.0	https://github.com/FasterXML/jackson-jaxrs-providers
Jackson JSON Processor	1.9.2	Apache 2.0	http://jackson.codehaus.org/
Janino 2.7.6	2.7.6	BSD	http://janino.net
JAR Files from Apache Commons	3.1.1 , 1.1.3 , 3.1	Apache 1.1 or Apache 2.0	
Jar Jar Links 1.1	1.1	Apache 2.0	http://jarjar.googlecode.com/
jasper- compiler 5.5.23	5.5.23	Apache 2.0	https://tomcat.apache.org/tomcat-5.5-doc/changelog.html
jasper- runtime 5.5.23	5.5.23	Apache 2.0	http://mirrors.ibiblio.org/maven2/tomcat/jasperruntime
Java Diff		LGPL v2.1	http://javadiff.sourceforge.net/
Java Multiline String		Public Domain, See License	http://www.adrianwalker.org/2011/12/javamultiline-string.html
Java Servlet API	2.5	CDDL 1.0, See Notes	http://www.oracle.com/technetwork/java/index-jsp-135475.html
Java Transaction API	1.1	CDDL 1.0	http://www.oracle.com/technetwork/java/javaee/tech/jta-138684.html
java- xmlbuilder 0.4	0.4	Apache 2.0	http://code.google.com/p/java-xmlbuilder/
JavaBeans Activation Framework 1.1	1.1	CDDL 1.0	http://www.oracle.com/technetwork/java/javase/downloads/index-135046.html

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
JavaMail API	1.4.1	GPL v2.0 with Classpat h Exceptio n or CDDL v1.0	https://glassfish.dev.java.net/javaee5/mail/
JavaServer Pages Specification 2.1	2.1		http://mirrors.ibiblio.org/maven2/javax/servlet/jsp/jsp-api, https://java.net/projects/jsp
JAX-RS provider	1.8.8	Apache 2.0	http://jackson.codehaus.org
JAXB API	2.1 , 2.2.2	GPL v2.0 w/ Classpat h or CDDL v1.0, Possibly Commer cial	https://jaxb.java.net/
JAXB IMPL 2.2.3-1	2.1 , 2.2.2	GPL v2.0 w/ Classpat h Exceptio n or CDDL v1.1	https://jaxb.dev.java.net/
JCodings 1.0.8	1.0.8	MIT	http://mirrors.ibiblio.org/maven2/org/jruby/jcodings/jcodings
JDO API 3.0.1	3.0.1	Apache 2.0	http://db.apache.org/jdo
Jersey	1.9	GPL v2.0 w/ Classpat h Exceptio n or CDDL v1.1	http://mirrors.ibiblio.org/maven2/com/sun/jersey/jersey-core
Jets3t	0.9.0 , 0.6.1	Apache 2.0	http://www.jets3t.org/
Jettison 1.1	1.1	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/codehaus/jettison/jettison

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product		Licence	·
Product	-	License	Source URL
Jettison 1.3.3	1.3.3	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/codehaus/ jettison/jettison, https://svn.codehaus.org/jettison/ tags/
JHightlight	1	LGPL v2.1+ or CDDL 1.0	https://github.com/codelibs/jhighlight
JLine 2.11.0	2.11.0	BSD	http://jline.sourceforge.net, http:// mirrors.ibiblio.org/maven2/jline/jline
jQuery	1.4.2	GPL 2 or MIT, See Notes	http://jquery.com/
jQuery	1.10.2	MIT, See Notes	http://jquery.com/
jQuery 1.7.1	1.7.1	GPL or MIT	http://jquery.com/
jQuery Autocomplete		GPL or MIT or Apache 2.0	https://github.com/dyve/jquery-autocomplete
jQuery Autocomplete		GPL or MIT	https://github.com/dyve/jquery-autocomplete
jQuery BGIFrame	1.5.0	GPL or MIT	https://github.com/brandonaaron/bgiframe
jQuery BlockUI 2.39	2.39	GPL or MIT	http://malsup.com/jquery/block/
jQuery Cookie Plugin		GPL v2.0 or MIT	https://github.com/carhartl/jquery-cookie
jQuery DataTables	1.8.2	GPL v2.0 or BSD	https://datatables.net/
jQuery Form Plugin	2.47	GPL or MIT	http://malsup.com/jquery/form/
jQuery Hotkeys Plugin		GPL v2.0 or MIT	https://github.com/jeresig/jquery.hotkeys
jQuery Timepicker		GPL v2.0 or MIT	http://trentrichardson.com/examples/timepicker/
jQuery Total Storage	1.1.2	GPL or MIT	https://github.com/Upstatement/jquery-total-storage
jQuery UI	1.8.14	GPL v2.0 or MIT	http://jqueryui.com/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

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Product	Version	License	Source URL
JSch 0.1.42	0.1.42	BSD	http://mirrors.ibiblio.org/maven2/com/jcraft/jsch, http://www.jcraft.com/jsch/
JSON.simple	1.1	Apache 2.0	http://code.google.com/p/json-simple/
JSR305 Implementati on	jsr305- 3.0.0	BSD-3, See Notes	https://code.google.com/p/jsr-305/
jsTree	1.0-rc1	GPL or MIT	http://www.jstree.com/
JToaster 1.0.4	1.0.4	Apache 2.0	http://jtoaster.sourceforge.net
JUnit	4.1.1	EPL 1.0, See Notes	http://www.junit.org
juniversalchar det	1.0.3	GPL v2.0+ or LGPL v2.1+, or MPL 1.1	https://code.google.com/p/juniversalchardet/
kazoo 2.0	2	Apache 2.0	https://github.com/python-zk/kazoo
kerberos 1.1.1	1.1.1	MIT	https://pypi.python.org/pypi/kerberos/1.1.1
KFS 0.2.2	0.2.2	Apache 2.0	https://code.google.com/p/kosmosfs/
Kimbie CSS		CC BY- SA 4.0 Unporte d	https://github.com/idleberg/Kimbie-Rainbow
Kite		Apache 2.0	http://kitesdk.org/docs/current/
Leveldbjni 1.8	1.8	BSD-3	http://fusesource.com/
Libfb303 0.9.2	0.9.2	Apache 2.0	http://thrift.apache.org
Log Redactor 1.0.2	1.0.2	Apache 2.0	https://github.com/cloudera/logredactor
log4net		Apache 2.0	http://logging.apache.org/log4net/
markupsafe 0.9.3	0.9.3	BSD-3	https://github.com/mitsuhiko/markupsafe

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

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Product	Version	License	Source URL
Maven SCM API 1.4	1.4	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/apache/maven/scm/maven-scm-api
Maven SCM Subversion Provider	1.4	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/apache/maven/scm/maven-scm-provider-svnexe
Maven SCM Subversion Provider	1.4	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/apache/maven/scm/maven-scm-provider-svn-commons
Metrics 3.0.2	3.0.2	Apache 2.0	http://metrics.codahale.com
Metrics Core 3.0.1	3.0.1	Apache 2.0	http://mirrors.ibiblio.org/maven2/com/codahale/metrics/metrics-core
Metrics Core Library 2.2.0	2.2.0	Apache 2.0	http://mirrors.ibiblio.org/maven2/com/yammer/metrics/metrics-core, https://github.com/dropwizard/metrics
Mockito 1.8.5	1.8.5	MIT, See license about other licenses	http://mockito.goolecode.com, http://www.mockito.org
Netscape security libraries - cacerts		GPL v2.0 or LGPL v2.1 or MPL v1.1	
opencsv	2.3	Apache 2.0	http://opencsv.sf.net
OpenLDAP 2.4.25	2.4.25	OpenLD AP Public License v2.8	http://www.openldap.org/
PAM module for python		MIT	http://atlee.ca/software/pam/
ParaNamer Core	2.3	BSD	https://github.com/paul-hammant/paranamer
Parquet		Apache 2.0	https://github.com/Parquet/parquet-format OR https://github.com/apache/parquet-format OR http://parquet.apache.org/
parquet- python		Apache 2.0	https://github.com/jcrobak/parquet-python

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Table 3-1 (CC	ont.) Con	is minu-ra	ity Software Licenses
Product	Version	License	Source URL
Pentaho Aggdesigner Algorithm 5.1.5-jhyde	5.1.5	Apache 2.0	http://www.pentaho.com/
Plexus Common Utilities 1.5.6	1.5.6	Apache 2.0	http://mirrors.ibiblio.org/maven2/org/codehaus/plexus/plexus-utils, http://plexus.codehaus.org/plexus-utils
PostgreSQL JDBC Driver	9.0-801. jdbc4	BSD-3	http://jdbc.postgresql.org/
Protocol Buffer Java API 2.5.0	2.5.0	BSD-3	http://code.google.com/p/protobuf
Pygments 1.3.1	1.3.1	BSD-2	http://pygments.org/
pyOpenSSL		Apache 2.0	https://github.com/pyca/pyopenssl
pysqlite		zlib/ libpng License	https://pypi.python.org/pypi/pysqlite
python-ldap 2.3.13	2.3.13	Python- style License	https://pypi.python.org/pypi/python-ldap/2.3.13
python- sqlparse 0.1.14	0.1.14	BSD-3	https://github.com/andialbrecht/sqlparse
pytidylib 0.2.1	0.2.1	MIT	https://pypi.python.org/pypi/pytidylib/0.2.1
pytz 2014.10	2014.1	ZPL or MIT	https://pypi.python.org/pypi/pytz/2014.10
QuickLZ (GPL v1.0 or GPL v2.0 or Commercial)		GPL v1.0 or GPL v2.0 or Commer cial	http://www.quicklz.com/
rapidjson 0.11	0.11	MIT	A fast JSON parser/generator for C++ with both SAX/DOM style API
Regexp 1.3	1.3	Apache v1.1	http://mirrors.ibiblio.org/maven2/regexp/regexp
requests 2.6.0	2.6.0	Apache 2.0	https://pypi.python.org/pypi/requests
requests- kerberos 0.6.1	0.6.1	MIT	https://github.com/requests/requests-kerberos

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Require.js 1.0.6	1.0.6	MIT or BSD	http://requirejs.org/
Select2		GPL v2.0 or Apache 2.0	https://github.com/select2/select2
Servlet Specification 2.5 API	2.5-6.1. 14	CDDL v1.0	http://jetty.mortbay.org, http://mirrors.ibiblio.org/maven2/org/mortbay/jetty/servlet-api-2.5
simplejson		MIT	https://pypi.python.org/pypi/simplejson/
six 1.9.0	1.9.0	MIT	https://pypi.python.org/pypi/six
SLF4J		MIT	http://www.slf4j.org/
SLF4J Bridging legacy APIs	1.7.5	MIT	http://www.slf4j.org/legacy.html
snappy 1.0.5	1.0.5	BSD-3	https://code.google.com/p/snappy/
Snappy Java 1.0.4.1	1.0.4.1	Apache 2.0	http://xerial.org/snappy-java/
squeasel by Sergey Lyubka		MIT	
ssl 1.15 [bundled with Cloudera Hue]	1.15	Python License	https://pypi.python.org/pypi/ssl/1.15
StAX	1.0.2	Possibly GPL unversio ned, Possibly CDDL 1.0	http://www.jcp.org/en/jsr/detail?id=173
StAX API 1.0.1	1.0.1	Apache 2.0	http://stax.codehaus.org/
String Template 3.2.1	3.2.1	BSD-3	http://www.stringtemplate.org/
TableTools 2.1.4	2.1.4	GPL v2.0 or BSD-3	https://github.com/DataTables/TableTools

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Tablib [bundled with Cloudera Hue]		MIT	http://tablib.readthedocs.org/en/latest/ development/
Taglib [Bundled with Cloudera Hue]		MIT	https://github.com/kennethreitz/tablib
tempus-fugit	1.1	Apache 2.0	http://code.google.com/p/tempus-fugit/
The Netty Project	3.6.2	Apache 2.0	http://www.jboss.org/netty/
The Netty Project 3.6.2	3.6.2	Apache 2.0	http://netty.io/
Thrift 0.9.1 [bundled with Cloudera Hue]	0.9.1	Apache 2.0	https://www.apache.org/dist/thrift/0.9.1/
urllib2_kerber os 0.1.6	0.6.1	Apache 2.0	https://pypi.python.org/pypi/urllib2_kerberos/
wadl- resourcedoc- doclet	1.4	GPL v2.0 with Classpat h Exceptio n or CDDL v1.1	http://mirrors.ibiblio.org/maven2/com/sun/jersey/contribs/wadl-resourcedoc-doclet
Xerces		Apache 2.0	https://xerces.apache.org/xerces-j/
Xerces2 Java Parser		GPL v2.0+ with Special Exceptio n	
Xerces2 Java Parser	2.9.1	Apache 2.0	http://xerces.apache.org/xerces2-j, http://xerces.apache.org/xerces2-j/
XML Commons External Components	1.3.04	Apache 2.0	http://xml.apache.org/commons/#external, http://xml.apache.org/commons/components/external/

Table 3-1 (Cont.) CDH5 Third-Party Software Licenses

Product	Version	License	Source URL
Xml Compatibility extensions	1.8.8	Apache 2.0	http://jackson.codehaus.org
Xmlenc Library 0.52	0.52	BSD	http://xmlenc.sourceforge.net
XZ for Java	1	Public Domain, See Notes about GPL	http://tukaani.org/xz/java.html

3.2 Cloudera Manager

Table 3-2 lists the third-party software licenses for Cloudera Manager 5.

Table 3-2 Cloudera Manager 5 Third-Party Software Licenses

	_	•	
Project	Versio n	License	Source URL
ace-builds		BSD	
Apache Avro	2	Apache 2.0	https://github.com/ ajaxorg/ace-builds
Apache Avro 1.6.3	1.6.3	Apache 2.0, See Notes LGPL v2.1-jboss-logging	http://avro.apache.org
Apache Hadoop		Apache 2.0	http://avro.apache.org
Apache Hbase	2	Apache 2.0	http:// hadoop.apache.org/
Apache Hive		Apache 2.0	http://hbase.apache.org
Apache Log4j	1.2.17	Apache 2.0	http://hive.apache.org
Apache Lucene/Solr		Apache 2.0	http:// www.logging.apache.or g/log4j/
Apache Whirr		Apache 2.0	http:// lucene.apache.org/solr/
argparse 1.1	1.1	Apache 2.0	http://whirr.apache.org
Backbone.js 1.9.2	0.9.2	MIT	https:// code.google.com/p/ argparse/
Beaker 1.5.4	1.5.4	BSD-3	https://github.com/ jashkenas/backbone/

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
Bootstrap Multiselect 0.9.8	0.9.8	Apache 2.0 or BSD-3	http:// beaker.readthedocs.org/ en/latest/
Bouncy Castle	15-140	Bouncy Castle License	https://github.com/ davidstutz/bootstrap- multiselect
CherryPy 3.2.2	3.2.2	BSD-3	http:// www.bouncycastle.org/
Cloudera Impala		Apache 2.0	http:// www.cherrypy.org/
Data-Driven Documents		BSD-3	http:// www.cloudera.com/ content/cloudera/en/ products-and- services/cdh/ impala.html
Deep Equality of Python			r
Structures by Samuel Webster Sutch		MIT	http://d3js.org/
Dependency on GNU libgcj 4.7.2	4.7.2	GPL with libgcc exception, See notes about references	https://gcc.gnu.org/ java/
alamanttraa 1 2 7	1.2.7	MIT Stylo	https:// web.archive.org/web/ 20141013065641/http:// ssutch.org/deep- equality-of-python- structures/
elementtree 1.2.7	1.2.7	MIT Style	,
Files containing sprintf() for JavaScript 0.7-beta1		BSD-3	http://effbot.org/zone/ element-index.htm
Files from Selenium		Apache 2.0	https://github.com/ alexei/sprintf.js
Files generated by Swagger		Apache 2.0	https:// code.google.com/p/ selenium/
flashcanvas		MIT	http://swagger.io/
FlashCanvas Pro		Commercial or MIT with restrcitions	http://flashcanvas.net/
FlashCanvas Pro (See License)		See License	http://flashcanvas.net/

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
gridster.js 0.5.2	0.5.2	MIT	https:// code.google.com/p/ flashcanvas/
guppy 0.1.10	0.1.10	MIT	http://gridster.net/
Handlebars 1.0.0	1.0.0	MIT	http://guppy- pe.sourceforge.net/
highlight.js 7.3	7.3	BSD-3	http:// handlebarsjs.com/
HTML 5 Shiv	0.23	GPL v2.0 or MIT	http:// html5shim.googlecode.c om/svn/trunk/html5.js
Interface	2.1.2	GPL or MIT	http:// interface.eyecon.ro/
ipython 0.12.1	0.12.1	BSD	https://github.com/ isagalaev/highlight.js/ tree/7.3
Jasmine	1.3.1	MIT	http://ipython.org/
jasmine-ajax		MIT	https://github.com/ jasmine/jasmine
JavaSE/JDK (Oracle BCLA)	6,7	Oracle BCLA	http:// www.oracle.com/ technetwork/java/ javase/terms/license/ index.html
jPicker	1.1.6	MIT	http://github.com/ pivotal/jasmine-ajax
jQuery	1.4.2	GPL 2 or MIT	http://jquery.com/
jQuery	1.10.2	MIT	https:// code.google.com/p/ jpicker/
jquery.inputmask	3.0.56	MIT	https:// web.archive.org/web/ 20130330023329/http:// labs.wondergroup.com/ demos/mini-ui/ index.html
jQuery 1.8.0	1.8.2	MIT	http://jquery.com/
jQuery BBQ		GPL or MIT	http://benalman.com/ projects/jquery-bbq- plugin/

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
jQuery DataTables 1.8.2	1.8.2	GPL v2.0 or BSD	https://datatables.net/
jQuery hashchange event		GPL or MIT	http://benalman.com/ projects/jquery- hashchange-plugin/
jQuery Layout 1.4.3	1.4.3	GPL or MIT	http:// plugins.jquery.com/ layout/
jQuery Migrate	1.2.1	MIT	http://jquery.com/
JQuery Spliter Plugin	0.14.0	LGPL v3.0+	https://github.com/ jcubic/jquery.splitter
jQuery Timepicker		GPL v2.0 or MIT	http:// trentrichardson.com/ examples/timepicker/
jQuery Tokeninput	1.6.1	GPL or MIT	http://loopj.com/ jquery-tokeninput/
jQuery treeTable	2.3.0	GPL v2.0 or MIT	http:// ludo.cubicphuse.nl/ jquery-treetable/
jQuery UI	1.8.18 , 1.8.16, 1.8.24 , 1.8.14	GPL v2.0 or MIT	http://jqueryui.com/ https://github.com/
jQuery UI	1.10.3	MIT	jquery/jquery-migrate https://github.com/
	0.00	CN 22 MIT	jquery-ui-bootstrap/ jquery-ui-bootstrap or http:// web.archive.org/web/ 20130411045003/http:// addyosmani.github.io/
jQuery UI Bootstrap	0.23	GPL v2.0 or MIT	jquery-ui-bootstrap/?
jQuery-UI-Date-Range- Picker	1.8.7	GPL or MIT	https://github.com/ filamentgroup/jQuery- UI-Date-Range-Picker
jQuery UI Slider Access	0.3	GPL or MIT	http:// trentrichardson.com/ examples/jQuery- SliderAccess/
jQuery Validation Plugin 1.8.1	1.8.1	GPL or MIT	http:// jqueryvalidation.org/ documentation

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
jQuery Wiggle		MIT	http://jqueryui.com/
kerberos 1.1.1	1.1.1	Apache 2.0	https://github.com/ RobinHerbots/ jquery.inputmask
knockout-bootstrap	0.2.1	MIT	http://billpull.com/ knockout-bootstrap/
Knockout JavaScript	2.2.1	MIT	http://knockoutjs.com/
LessJS	1.3.3	Apache 2.0	http://lesscss.org/
libtorrent		BSD	http:// www.libtorrent.org/
lunr	0.2.0	MIT	http://lunrjs.com/
M2Crypto 1.0	1	BSD-Style	http:// chandlerproject.org/ Projects/MeTooCrypto
Mako 0.3.4	0.3.4	MIT	http:// www.makotemplates.or g/
MarkupSafe 0.11	0.11	BSD-3	https:// pypi.python.org/pypi/ MarkupSafe
meld3 0.6.7 (Zope Public License)	0.6.7	Zope Public License	http:// www.plope.com/ software/meld3/
mock 0.8.0	0.8.0	BSD-2	http:// www.voidspace.org.uk/ python/mock/
Modernizr	2.6.2	MIT	http://modernizr.com/
MomentJS		MIT	http://momentjs.com
multiprocessing 2.6.2.1	2.6.2.1	BSD-3	https:// code.google.com/p/ python- multiprocessing/
netifaces 0.8	0.8	MIT	http://alastairs- place.net/projects/ netifaces/
psutil 2.1.3	2.1.3	BSD-3	https://github.com/ giampaolo/psutil
pubsub.js		MIT	https://github.com/ federico-lox/pubsub.js

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
Pyinotify 0.9.3	0.9.3	MIT	https://github.com/seb- m/pyinotify
python-daemonize		MIT	https:// pypi.python.org/pypi/ daemonize/
Python-Markdown	1.5a	GPL or BSD	https:// pypi.python.org/pypi/ Markdown
python-requests		Apache 2.0	http://docs.python- requests.org/en/ master/user/intro/ #apache2-license
QUnit		GPL or MIT	http://qunitjs.com/
requirejs	2.1.15	BSD or MIT	https:// www.nuget.org/ packages/RequireJS
RequireJS	2.1.15 , 2.0.5	BSD-3 or MIT	http://requirejs.org/
RequireJS plugins by Miller Medeiros	0.3.1	MIT	https://github.com/ millermedeiros/ requirejs-plugins/
Reset CSS	v2.0 201101 26	Public Domain	http://meyerweb.com/ eric/tools/css/reset/
Rickshaw		MIT	http:// code.shutterstock.com/ rickshaw/
Select2	3.5.1	GPL v2.0 or Apache 2.0	https://github.com/ select2/select2
selectize 0.11.2	0.11.2	Apache 2.0	http://spmjs.io/ package/selectize/0.11.2
simplejson 2.1.2	2.1.2	MIT	http://undefined.org/ python/#simplejson
Sizzle	1.8.0	GPL 2 or BSD-3 or MIT	http://sizzlejs.com/
spin.js 2.0.1	2.0.1	MIT	http://fgnass.github.io/ spin.js/
Spinner icon from ajaxload.info (WTFPL)		WTFPL	http://ajaxload.info/
Swagger UI		Apache 2.0	https://github.com/ swagger-api/swagger-ui

Table 3-2 (Cont.) Cloudera Manager 5 Third-Party Software Licenses

Project	Versio n	License	Source URL
threadpool 1.2.7	1.2.7	MIT	http://chrisarndt.de/ projects/threadpool/
Thrift Python Software Library 0.7.0	0.7.0	Apache 2.0	
ttorrent		Apache 2.0	https://github.com/ mpetazzoni/ttorrent
Twitter Bootstrap 2.3.0/2.3.2	2.3.0 , 2.3.2	Apache 2.0	http://twitter.github.io/ bootstrap/
Twitter Bootstrap 4.3.0	4.3.0	MIT	http://twitter.github.io/ bootstrap/
typeahead.js	0.10.2	MIT	https://github.com/ twitter/typeahead.js
UnderscoreJS	1.6.0, 1.3.3 and 1.5.2	MIT	http:// underscorejs.org/
urllib2_kerberos 0.1.6	0.1.16	Apache 2.0	http:// web.archive.org/web/ 20090316061906/http:// limedav.com/hg/ urllib2_kerberos/
uuid 1.30 (Python Software License)	1.3	Python Software License	http://zesty.ca/python/uuid.html
Websanova	1.7.5	GPL or MIT	https://github.com/ websanova/js-url
Webshims Lib by Alexander Farkas	2.2	MIT	https://github.com/ aFarkas/webshim
Wijmo	1.5.0	GPL v2.0 or MIT	http://wijmo.com/
YUI Compressor	2.4.6	BSD	http:// yuicompressor.codeplex. com/
zClip	1.1.1	MIT	http://steamdev.com/ zclip/
ZeroClipboard	v2.2.0- beta.1	MIT	http:// zeroclipboard.org/

3.3 Cloudera Key Trustee

The following are third-party software projects used with the Cloudera Key Trustee and its subcomponents. Not all of these projects are distributed with the software.

Table 3-3 Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
zNcrypt Kernel Module	3.x	GPL2	https://github.com/ clouderasecurity/zncrypt-deployment
Ecryptfs		GPL2	https://git.kernel.org/cgit/linux/ kernel/git/tyhicks/ecryptfs.git
Keyutils		GPL2 or later	http://people.redhat.com/ ~dhowells/keyutils/ keyutils-1.5.9.tar.bz2
OpenSSL		OpenS SL	https://github.com/openssl/openssl
cJSON		MIT	http://sourceforge.net/projects/ cjson/files/latest/download
cryptsetup		GPL2	https://github.com/mbroz/ cryptsetup
autopep		Public Domai n	https://pypi.python.org/pypi/autopep8/
cffi		MIT	https://bitbucket.org/cffi/cffie
ecdsa		MIT	https://github.com/warner/python- ecdsa
flake8		MIT	https://pypi.python.org/pypi/flake8
itsdangerous		BSD	https://pypi.python.org/pypi/ itsdangerous/0.23
jinja2		BSD	http://jinja.pocoo.org/
mccabe		MIT	https://pypi.python.org/pypi/mccabe
MarkupSafe		BSD	https://github.com/mitsuhiko/ markupsafe
nose		LGPL	https://github.com/nose-devs/nose/
ordereddict		MIT	https://pypi.python.org/pypi/ ordereddict
pep8		MIT	https://pypi.python.org/pypi/pep8
postgresql93-server		MIT	http://rpmfind.net/linux/rpm2html/search.php?query=postgresql93-server
postgresql93		MIT	http://www.postgresql.org/
psutil		BSD	https://code.google.com/p/psutil/ source/checkout

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
py-bcrypt		BSD	https://pypi.python.org/pypi/py- bcrypt/
python-flask		BSD3	http://flask.pocoo.org/
python-magic		MIT	https://pypi.python.org/pypi/ python-magic
filemagic		Apache	https://pypi.python.org/pypi/filemagic/1.6
python-sqlalchemy		MIT	http://www.sqlalchemy.org/ download.html
pycparser		BSD	https://pypi.python.org/pypi/ pycparser
pycrypto		Public Domai n	https://pypi.python.org/pypi/ pycrypto
pyflakes		MIT	https://pypi.python.org/pypi/ pyflakes
python-cherrypy		BSD	https://bitbucket.org/cherrypy/ cherrypy/src
python-paste		MIT	http://pythonpaste.org/download/index.html
python-requests		Apache 2	https://pypi.python.org/pypi/requests
python-pycurl		cURL	https://pypi.python.org/pypi/pycurl
python-pycurl		LGPL	https://pypi.python.org/pypi/pycurl
python-pycurl		XMIT	https://pypi.python.org/pypi/pycurl
python-tz		MIT	https://pypi.python.org/pypi/pytz/
python-tz		ZPL	https://pypi.python.org/pypi/pytz/
python		PSF	https://www.python.org/ downloads/source/
python-psycopg2		LGPL 3	https://pypi.python.org/pypi/ psycopg2
python-openssl		Apache 2	https://pypi.python.org/pypi/ pyOpenSSL
python-argparse		Python license	https://pypi.python.org/pypi/ argparse
python-m2crypto		BSD	https://pypi.python.org/pypi/ M2Crypto

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
wsgiref		ZPL	https://pypi.python.org/pypi/ wsgiref
uuid-runtime		GPL 2	https://packages.debian.org/sid/ uuid-runtime
openssl		OpenS SL	https://github.com/openssl/openssl
gnupg2 gnupg		GPL 3	https://www.gnupg.org/download/index.html
openssl-blacklist		GPL 3	https://packages.debian.org/ source/sid/openssl-blacklist
gnutls-bin		LGPL	ftp://ftp.gnutls.org/gcrypt/gnutls/
pgbouncer		BSD	http://pgfoundry.org/projects/ pgbouncer
libsasl2-2		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-2
libsasl2-modules		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-modules
run-one		GPL3	https://launchpad.net/ubuntu/ +source/run-one
sasl2-bin		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/sasl2-bin
upstart		GPL2	http://upstart.ubuntu.com/download.html
hibernate-validator-annotation-processor		Apache 2	https://github.com/hibernate/ hibernate-validator/tree/master/ annotation-processor
Additional rpm dependencies that are not distributed			
apache2		Apache 2	http://httpd.apache.org/ download.cgi
cyrus-sasl-plain		Apache 2	https://cyrusimap.org/mediawiki/ index.php/Downloads#SASL_Library
gnutls-utils		LGPL	ftp://ftp.gnutls.org/gcrypt/gnutls/
openssh-clients		MIT	http://rpmfind.net/linux/rpm2html/search.php?query=openssh-clients

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
python-setuptools		ZPL / PSF	https://pypi.python.org/pypi/ setuptools
libapache2-mod-wsgi		Apache 2	http://packages.ubuntu.com/ precise/libapache2-mod-wsgi
openDKIM		openD KIM	http://sourceforge.net/projects/ opendkim/files/
opendkim-tools		openD KIM	http://sourceforge.net/projects/ opendkim/files/
postfix		IPL	http://www.postfix.org/download.html
com.beust jcommander, commons-codec, commons- collections, commons-io, commons-lang, httpcomponents httpclient, httpcomponents httpcore		Apache 2	https://github.com/cbeust/ jcommander
org.json 20070829		JSON.o rg License	https://github.com/ douglascrockford/JSON-java
org.slf4j slf4j-api 1.6.6		MIT	http://www.slf4j.org/download.html
Key Trustee C-API Libraries			
gpgme		LGPL	https://www.gnupg.org/(it)/download/index.html#gpgme
zNcrypt Kernel Module	3.x	GPL2	https://github.com/ clouderasecurity/zncrypt-deployment
Ecryptfs		GPL2	https://git.kernel.org/cgit/linux/kernel/git/tyhicks/ecryptfs.git
Keyutils		GPL2 or later	http://people.redhat.com/ ~dhowells/keyutils/ keyutils-1.5.9.tar.bz2
OpenSSL		OpenS SL	https://github.com/openssl/openssl
cJSON		MIT	http://sourceforge.net/projects/ cjson/files/latest/download
cryptsetup		GPL2	https://github.com/mbroz/ cryptsetup
Key Trustee Server	_	_	_
autopep		Public Domai n	https://pypi.python.org/pypi/autopep8/

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
cffi		MIT	https://bitbucket.org/cffi/cffie
ecdsa		MIT	https://github.com/warner/python-ecdsa
flake8		MIT	https://pypi.python.org/pypi/flake8
itsdangerous		BSD	https://pypi.python.org/pypi/itsdangerous/0.23
jinja2		BSD	http://jinja.pocoo.org/
mccabe		MIT	https://pypi.python.org/pypi/ mccabe
MarkupSafe		BSD	https://github.com/mitsuhiko/ markupsafe
nose		LGPL	https://github.com/nose-devs/nose/
ordereddict		MIT	https://pypi.python.org/pypi/ ordereddict
pep8		MIT	https://pypi.python.org/pypi/pep8
postgresql93-server		MIT	http://rpmfind.net/linux/rpm2html/search.php?query=postgresql93-server
postgresql93		MIT	http://www.postgresql.org/
psutil		BSD	https://code.google.com/p/psutil/ source/checkout
py-bcrypt		BSD	https://pypi.python.org/pypi/py- bcrypt/
python-flask		BSD3	http://flask.pocoo.org/
python-magic		MIT	https://pypi.python.org/pypi/ python-magic
filemagic		Apache	https://pypi.python.org/pypi/filemagic/1.6
python-sqlalchemy		MIT	http://www.sqlalchemy.org/ download.html
pycparser		BSD	https://pypi.python.org/pypi/ pycparser
pycrypto		Public Domai n	https://pypi.python.org/pypi/ pycrypto
pyflakes		MIT	https://pypi.python.org/pypi/ pyflakes

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Table 3-3 (Cont.) Cloud	era Key Truste	e Third-P	arty Components
Project	Version	License	Source
python-cherrypy		BSD	https://bitbucket.org/cherrypy/ cherrypy/src
python-paste		MIT	http://pythonpaste.org/download/index.html
python-requests		Apache 2	https://pypi.python.org/pypi/requests
python-pycurl		cURL	https://pypi.python.org/pypi/pycurl
python-pycurl		LGPL	https://pypi.python.org/pypi/pycurl
python-pycurl		XMIT	https://pypi.python.org/pypi/pycurl
python-tz		MIT	https://pypi.python.org/pypi/pytz/
python-tz		ZPL	https://pypi.python.org/pypi/pytz/
python		PSF	https://www.python.org/downloads/source/
python-psycopg2		LGPL 3	https://pypi.python.org/pypi/ psycopg2
python-openssl		Apache 2	https://pypi.python.org/pypi/ pyOpenSSL
python-argparse		Python license	https://pypi.python.org/pypi/argparse
python-m2crypto		BSD	https://pypi.python.org/pypi/ M2Crypto
wsgiref		ZPL	https://pypi.python.org/pypi/ wsgiref
uuid-runtime		GPL 2	https://packages.debian.org/sid/ uuid-runtime
openssl		OpenS SL	https://github.com/openssl/openssl
gnupg2 gnupg		GPL 3	https://www.gnupg.org/download/index.html
openssl-blacklist		GPL 3	https://packages.debian.org/ source/sid/openssl-blacklist
gnutls-bin		LGPL	ftp://ftp.gnutls.org/gcrypt/gnutls/
pgbouncer		BSD	http://pgfoundry.org/projects/ pgbouncer
libsasl2-2		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-2

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
libsasl2-modules		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-modules
run-one		GPL3	https://launchpad.net/ubuntu/ +source/run-one
sasl2-bin		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/sasl2-bin
upstart		GPL2	http://upstart.ubuntu.com/ download.html
hibernate-validator-annotation- processor		Apache 2	https://github.com/hibernate/ hibernate-validator/tree/master/ annotation-processor
Additional rpm dependencies that are not distributed			
apache2		Apache 2	http://httpd.apache.org/ download.cgi
cyrus-sasl-plain		Apache 2	https://cyrusimap.org/mediawiki/index.php/Downloads#SASL_Library
gnutls-utils		LGPL	ftp://ftp.gnutls.org/gcrypt/gnutls/
openssh-clients		MIT	http://rpmfind.net/linux/rpm2html/ search.php?query=openssh-clients
python-setuptools		ZPL / PSF	https://pypi.python.org/pypi/ setuptools
libapache2-mod-wsgi		Apache 2	http://packages.ubuntu.com/ precise/libapache2-mod-wsgi
openDKIM		openD KIM	http://sourceforge.net/projects/ opendkim/files/
opendkim-tools		openD KIM	http://sourceforge.net/projects/ opendkim/files/
postfix		IPL	http://www.postfix.org/download.html
com.beust jcommander, commons-codec, commons- collections, commons-io, commons-lang, httpcomponents		, ,	https://github.com/cbeust/ jcommander
httpclient, httpcomponents httpcore		Apache 2	
org.json 20070829		JSON.o rg License	https://github.com/douglascrockford/JSON-java

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
org.slf4j slf4j-api 1.6.6		MIT	http://www.slf4j.org/download.html
Key Trustee C-API Libraries			
,			https://www.gnupg.org/(it)/
gpgme		LGPL	download/index.html#gpgme
cURL		MIT	http://curl.haxx.se/download.html
openssl		OpenS SL	https://github.com/openssl/openssl
cURL		MIT	http://curl.haxx.se/download.html
openssl		OpenS SL	https://github.com/openssl/openssl
Key HSM			
bcprov-jdk16-1.46		MIT	http://repo1.maven.org/ maven2/org/bouncycastle/bcprov- jdk16/1.46/bcprov-jdk16-1.46- sources.jar
seprov jakro 1.10		14111	,
spring-web		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-web/
spring-aop		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-aop/
spring-beans		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-beans/
spring-boot		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring- boot/
spring-boot-autoconfigure		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- autoconfigure/
spring-boot-starter		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter/
spring-boot-starter-logging		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-logging/
spring-boot-starter-tomcat		Apache	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-tomcat/

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
spring-boot-starter-web		Apache	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-web/
spring-core		Apache	https://github.com/spring-projects/ spring-framework/tree/master/ spring-core/
spring-expression		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-expression/
spring-context		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-context/
spring-web		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-web/
spring-webmvc		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-webmvc/
aopalliance-1.0		Public	http://sourceforge.net/projects/aopalliance/
hamcrest		MIT	https://code.google.com/p/ hamcrest/downloads/list
jackson-annotations		Apache 2	https://github.com/FasterXML/jackson-annotations
jackson-core		Apache 2	https://github.com/FasterXML/ jackson-core
jackson-databind		Apache 2	https://github.com/FasterXML/ jackson-databind
jcl-over-slf4j		EPL	http://www.slf4j.org/download.html
jul-to-slf4j		EPL	http://www.slf4j.org/download.html
log4j-over-slf4j		EPL	http://www.slf4j.org/download.html
logback-classic		EPL	http://logback.qos.ch/ download.html
logback-core		EPL	http://logback.qos.ch/ download.html
slf4j-api		MIT	http://www.slf4j.org/download.html
jcl-over-slf4j		MIT	http://www.slf4j.org/download.html
jul-to-slf4j		MIT	http://www.slf4j.org/download.html

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
tomcat-embed-core		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed
tomcat-embed-jasper		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed
tomcat-embed-logging-juli		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed
zTrustee Open Source			
python-flask		BSD3	http://flask.pocoo.org/
python-magic		MIT	https://pypi.python.org/pypi/ python-magic
filemagic		Apache	https://pypi.python.org/pypi/filemagic/1.6
python-sqlalchemy		MIT	http://www.sqlalchemy.org/ download.html
python-requests		Apache 2	https://pypi.python.org/pypi/requests
python-pycurl		cURL	https://pypi.python.org/pypi/pycurl
python-pycurl		LGPL	https://pypi.python.org/pypi/pycurl
python-pycurl		XMIT	https://pypi.python.org/pypi/pycurl
python-tz		MIT	https://pypi.python.org/pypi/pytz/
python-tz		ZPL	https://pypi.python.org/pypi/pytz/
python-openssl		Apache 2	https://pypi.python.org/pypi/ pyOpenSSL
python-argparse		Python license	https://pypi.python.org/pypi/ argparse
python-m2crypto		BSD	https://pypi.python.org/pypi/ M2Crypto
uuid-runtime		GPL 2	https://packages.debian.org/sid/ uuid-runtime
openssl		OpenS SL	https://github.com/openssl/openssl
gnupg2 gnupg		GPL 3	https://www.gnupg.org/download/index.html
openssl-blacklist		GPL 3	https://packages.debian.org/ source/sid/openssl
gnutls-bin		LGPL	ftp://ftp.gnutls.org/gcrypt/gnutls/

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
python		PSF	https://www.python.org/downloads/source/
python-psycopg2		LGPL 3	https://pypi.python.org/pypi/ psycopg2
pgbouncer		BSD	http://pgfoundry.org/projects/ pgbouncer
apache2		Apache 2	http://httpd.apache.org/ download.cgi
libapache2-mod-wsgi		Apache 2	http://packages.ubuntu.com/ precise/libapache2-mod-wsgi
libsasl2-2		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-2
libsasl2-modules		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/libsasl2-modules
run-one		GPL3	https://launchpad.net/ubuntu/ +source/run-one
sasl2-bin		Carneg ie Mellon	https://launchpad.net/ubuntu/ precise/i386/sasl2-bin
openDKIM		openD KIM	http://sourceforge.net/projects/ opendkim/files/
opendkim-tools		openD KIM	http://sourceforge.net/projects/ opendkim/files/
postfix		IPL	http://www.postfix.org/ download.html
upstart		GPL2	http://upstart.ubuntu.com/ download.html
zTrustee Java Libraries			
com.beust jcommander, commons-codec, commons- collections, commons-io,			https://github.com/cbeust/ jcommander
commons-lang, httpcomponents httpclient, httpcomponents httpcore		Apache 2	
org.json 20070829		JSON.o rg License	https://github.com/ douglascrockford/JSON-java
org.slf4j slf4j-api 1.6.6		MIT	http://www.slf4j.org/download.html

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
zTrustee C-API Libraries			
gpgme		LGPL	https://www.gnupg.org/(it)/download/index.html#gpgme
cURL		MIT	http://curl.haxx.se/download.html
openssl		OpenS SL	https://github.com/openssl/openssl
zHSM			
bcprov-jdk16-1.46		MIT	http://repo1.maven.org/ maven2/org/bouncycastle/bcprov- jdk16/1.46/bcprov-jdk16-1.46- sources.jar
spring-web		Apache	https://github.com/spring-projects/ spring-framework/tree/master/ spring-web/
spring-aop		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-aop/
spring-beans		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-beans/
spring-boot		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring- boot/
spring-boot-autoconfigure		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- autoconfigure/
spring-boot-starter		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter
spring-boot-starter-logging		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-logging
spring-boot-starter-tomcat		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-tomcat/
spring-boot-starter-web		Apache 2	https://github.com/spring-projects/ spring-boot/tree/master/spring-boot- starters/spring-boot-starter-web
spring-core		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-core/

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
spring-expression		Apache	https://github.com/spring-projects/ spring-framework/tree/master/ spring-expression/
spring-context		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-context/
spring-web		Apache	https://github.com/spring-projects/ spring-framework/tree/master/ spring-web/
spring-webmvc		Apache 2	https://github.com/spring-projects/ spring-framework/tree/master/ spring-webmvc/
aopalliance-1.0		Public	http://sourceforge.net/projects/ aopalliance/
hamcrest		MIT	https://code.google.com/p/ hamcrest/downloads/list
jackson-annotations		Apache 2	https://github.com/FasterXML/ jackson-annotations
jackson-core		Apache 2	https://github.com/FasterXML/ jackson-core
jackson-databind		Apache 2	https://github.com/FasterXML/ jackson-databind
jcl-over-slf4j		EPL	http://www.slf4j.org/download.html
jul-to-slf4j		EPL	http://www.slf4j.org/download.html
log4j-over-slf4j		EPL	http://www.slf4j.org/download.html
logback-classic		EPL	http://logback.qos.ch/ download.html
logback-core		EPL	http://logback.qos.ch/ download.html
slf4j-api		MIT	http://www.slf4j.org/download.html
jcl-over-slf4j		MIT	http://www.slf4j.org/download.html
jul-to-slf4j		MIT	http://www.slf4j.org/download.html
tomcat-embed-core		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed
tomcat-embed-jasper		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed
tomcat-embed-logging-juli		Apache 2	http://mvnrepository.com/artifact/ org.apache.tomcat.embed

Table 3-3 (Cont.) Cloudera Key Trustee Third-Party Components

Project	Version	License	Source
ecj-4.3.1.jar		EPL	http://mvnrepository.com/artifact/ org.eclipse.jdt.core.compiler/ecj

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