

Cloudera Runtime 7.3.1

Release Notes

Date published: 2020-07-28

Date modified: 2024-12-10

CLOUdera

<https://docs.cloudera.com/>

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Overview

This document provides a summary of the latest updates in Cloudera Runtime 7.3.1 and its Service Packs and Cumulative Hotfixes. It includes new features, improvements, known and fixed issues, technical previews, and more. For detailed, component-level information, see the [Cloudera documentation](#).

Understanding Cloudera platform versioning

Starting with Cloudera 7.3.1.0, versioning follows the <Base>.<Major>.<Minor>.<Patch> format:

- **Base:** Indicates the platform base version.
- **Major:** Represents the major version.
- **Minor:** Represents the minor version.
- **Patch:** Identifies a Cumulative Hotfix (CHF) or Service Pack (SP). A value of 0 in this position denotes a standard minor release.

For example, in version **7.3.1.0**, **7** is the base version, **3** is the major version, **1** is the minor version, and **0** indicates that it is an initial minor release (not a CHF or SP). For more details, see the [Cloudera Platform Support Policy](#).

What's New In Cloudera Runtime 7.3.1

This version of Cloudera Runtime provides you with several new capabilities. Learn how the new features and improvements benefit you.



Note: For information about Cloudera Base on premises 7.3.1.200 SP1 supported upgrade paths, see [Supported in-place upgrade paths](#)

Related Information

[Upgrading Spark](#)

[Migrating Spark Applications](#)

What's New in Apache Atlas

Learn about the new features of Apache Atlas in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3:

Improved Atlas metrics API performance

The performance of Atlas API service metrics is significantly enhanced by making detailed entity type counts optional. For large Atlas deployments with many entity types, API response times are now much faster by default, while still allowing users to request the complete metrics when needed for detailed analysis.

Key changes:

- Enhanced the `MetricsService.getMetrics` method to accept an `excludeTypeAndSubTypeEntity` boolean parameter, allowing callers to exclude metrics for entity types and their subtypes.
- Updated logic to conditionally calculate and include metrics for entity types and subtypes only when requested.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's New in Cloud Connectors

Learn about the new features of Cloud Connectors Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features this release.

Cloudera Runtime 7.3.1:**Migration to AWS V2 SDK**

The following improvements and enhancements have been introduced for AWS V2 SDK migration:

- Dual-layer server-side encryption (DSSE) has been enabled with AWS KMS keys
- AWS SDK V2 has been upgraded to 2.25.53

What's New in Cruise Control

Learn about the new features of Cruise Control in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's New in Apache HBase

Learn about the new features of Apache HBase in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

What's New in Cloudera Runtime 7.3.1:**HBase supports JDK 17**

HBase supports Oracle JDK version 17.0.6 starting from CDP Runtime 7.1.9. For more information on JDK 17, see [Java Requirements](#).

HBase rebase to 2.4.17

CDP Private Cloud Base is updated to use Apache HBase version 2.4.17 and Apache HBase Thirdparty to base version 4.1.1 for a smoother and better functionality. Upgrade your HBase client applications for seamless connectivity.

HBase supports Snappy with /tmp directory mounted with noexec option

In Cloudera Manager, the Snappy temporary directory configuration item is added to HBase Master and HBase RegionServer to allow Snappy compression when /tmp directory is mounted with noexec option.

Operating system support

HBase is now supported on the following operating systems:

- RHEL-9.1
- RHEL-8.8
- RHEL-8.8 FIPS
- Oracle-8.8 UEK
- SLES-15 SP4 for x86

HBase supports load balancing using a cache-aware load balancer

The HBase balancer now supports the cache-aware load balancer that enhances the capability of HBase to enable the balancer to consider the cache allocation of each region on region servers while calculating a new assignment plan. This balancer also uses the region or region server cache allocation information reported by the region servers to calculate the percentage of HFiles cached for each region on the hosting server, and then use that as an additional factor while deciding an optimal new assignment plan.

HBase supports Snappy with /tmp directory mounted with noexec option

In Cloudera Manager, the Snappy temporary directory configuration item is added to HBase Master and HBase RegionServer to allow Snappy compression when /tmp directory is mounted with noexec option.

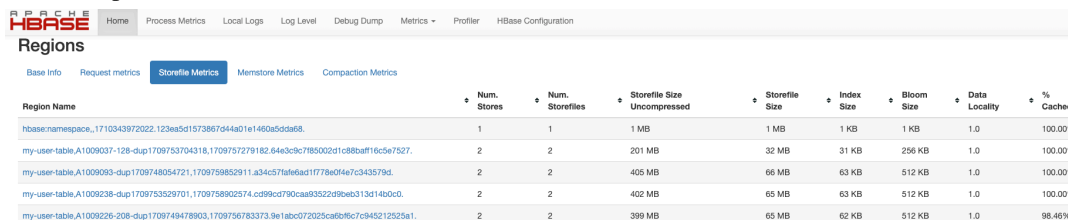
HBase supports Netty native libraries with /tmp directory mounted with noexec option

In Cloudera Manager, the Netty native library working directory configuration item is added to HBase Master and HBase RegionServer to support HBase with /tmp directory mounted with noexec option.

HBase shows cached percentage for region data on RegionServer UI

An important feature for Cloudera Operational Database (COD) over S3 with ephemeral cache is the process of warming up the cache at region opening (also known as *cache prefetch*). The goal is to load the most of the dataset before any client reads, so that a reduced latency and optimal performance can be achieved for the application requests. This *prefetch* process takes several hours on very large datasets, and the operators might want to monitor the progress of this cache loading. To handle this, HBase has introduced new metrics about the percentage of individual regions data currently cached, and it also added this information to the Storefile Metrics tab in the Regions section of the RegionServer UI.

Related Apache JIRA: [HBASE-28246](#)



Region Name	Num. Stores	Num. Storefiles	Storefile Size Uncompressed	Storefile Size	Index Size	Bloom Size	Data Locality	% Cached
hbase.namespace_1710343972022.123e5d1573867d44a01e1460a5dd68.	1	1	1 MB	1 MB	1 KB	1 KB	1.0	100.00%
my-user-table.A1009037-128-dup.1709753794318.1709757278182.64e3dc785002d1c88ba8f16c5e7527.	2	2	201 MB	32 MB	31 KB	256 KB	1.0	100.00%
my-user-table.A1009093-dup.1709748054721.1709759852911.a34c57f6f6e6d11778e04e7c343579d.	2	2	405 MB	66 MB	63 KB	512 KB	1.0	100.00%
my-user-table.A1009238-dup.1709753529701.1709758902574.cd99cd790caa83522d9beb313d14b0c0.	2	2	402 MB	65 MB	63 KB	512 KB	1.0	100.00%
my-user-table.A1009226-208-dup.1709749478903.1709756783373.9e1abc072025ca6b8fc7c945212525e1.	2	2	399 MB	65 MB	62 KB	512 KB	1.0	98.46%

HBase supports disabling the caching for the individual column families

In some use cases, not all tables in the dataset have the same SLA requirements. If the total cache capacity is much smaller than the whole dataset, an alternative is to restrict the cache usage by the tables with critical response times. In HBase, you can now implement this by disabling the cache on individual column families.

On an hbase shell, perform the following `alter` command for each column family that does not require caching.

```
alter 'NAMESPACE:TABLENAME', {NAME=>'CF_NAME', BLOCKCACHE => 'false'}
```

HBase supports truncating the regions in a table

You can now truncate individual regions of an HBase table using the `truncate_region` command.

The command syntax is as follows.

```
truncate_region 'REGIONNAME'
```

```
truncate_region 'ENCODED_REGIONNAME'
```

For example,

```
hbase:008:0> list_regions 'employee'
```

START_KEY	END_KEY	SIZE	REQ	LOCALITY	SERVER_NAME REGION_NAME
ccycloud-4.nightly-7x-by.root.comops.site,22101,1718869191555	employee,,1718877308795.66828b0fe6ceda3e28608617eb6f6b3f.	2	1	2	1.0
ccycloud-2.nightly-7x-by.root.comops.site,22101,1718869191308	employee,2,1718877308795.ff9b19452fecea6353694583e3473b5b.	2	1	2	1.0

```
2 rows
Took 0.1088 seconds
hbase:014:0> truncate_region 'employee,2,1718877308795.ff9b19452fecea6353694583e3473b5b.'
```

```
Took 0.6236 seconds
hbase:010:0> truncate_region 'ff9b19452fecea6353694583e3473b5b'
```

```
Took 0.6500 seconds
```

What's New in Apache Hadoop HDFS

There are no new features for Apache Hadoop HDFS in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

For more information about HDFS, see [HDFS Overview](#)

What's New in Apache Hive

Learn about the new features of Hive in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:**Configurable TCP keepalive for client connections**

New startup options allow you to enable and tune TCP keepalive settings for client connections, helping detect dead clients and prevent premature disconnections caused by network disruptions or load balancer timeouts. The new startup options include:

- `client_keepalive_probe_period_s`: Idle time before sending keepalive probes. If set to > 0 , keepalive is enabled.
- `client_keepalive_retry_period_s`: Time between keepalive probes.
- `client_keepalive_retry_count`: Number of keepalive probes.

New features in Cloudera Runtime 7.3.1

What's New in Apache Impala

Learn about the new features of Apache Impala in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1**Enhanced event processing information in /events web UI**

The /events page of Catalogd now includes enhanced metrics, such as event processing lag and details on the current event batch. Error messages are highlighted at the top, if event processing stops. They will disappear after global `INVALIDATE METADATA`.

Apache Jira: [IMPALA-12782](#)

Improved query timeline with disk, network, and memory usage metrics

This update enhances the query timeline in the WebUI by adding disk and network usage metrics alongside CPU utilization. Metrics now display in human-readable formats like KB, MB, and GB. The update also introduces resizable and closable charts, zoom controls for easy navigation, and auto-scaling for timeticks during horizontal zoom. This enhanced display makes monitoring resource usage more intuitive for users.

Apache Jira: [IMPALA-12364](#)

Unicode column name support in Impala

Impala now supports Unicode characters in column names, aligning with Hive's support for non-ASCII characters. This enhancement leverages Hive's `validateColumnName()` function, which removes restrictions on column names at the metadata level. With this update, Impala allows greater flexibility for column naming while remaining consistent with Hive's metadata validation standards.

Apache Jira: [IMPALA-12465](#)

Support custom hash partitions at range level in Kudu tables

Impala now supports specifying custom hash partitions at the range level in Kudu tables. You can define hash schemas within specific partitions using the updated `CREATE TABLE` and `ALTER TABLE` syntax, and view them with the new `SHOW HASH SCHEMA` statement. This update aligns hash partitioning more closely with range partitioning, enhancing flexibility while maintaining backward compatibility.

Apache Jira: [IMPALA-11430](#)

What's New in Hue

Learn about the new features of Hue in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

Secure Approach for Passing a Token in Cloudera Manager

You can now securely manage the secret token for the LLM hosting service through Cloudera Manager. Previously, the secret token had to be stored as plain text in Hue's safety valve configuration. This enhancement improves security and compliance.

For more information, see [Secure Approach for Passing a Token in Cloudera Manager](#).

Cloudera Runtime 7.3.1:

General availability (GA) of the SQL AI Assistant

Hue leverages the power of Large Language Models (LLM) to help you generate SQL queries from natural language prompts and also provides options to optimize, explain, and fix queries, promoting efficient and accurate practices for accessing and manipulating data. You can use several AI services and models such as OpenAI's GPT service, Amazon Bedrock, and Azure's OpenAI service to run the Hue SQL AI assistant.

- To learn more about the supported models and services, limitations, and what data is shared with the LLMs, see [About the Hue SQL AI Assistant](#).
- To set up and enable the SQL AI Assistant, see [About setting up the Hue SQL AI Assistant](#).
- To see how to generate, edit, explain, optimize, and fix queries, see [Starting the SQL AI Assistant in Hue](#).

Hue supports Python 3.9 on RHEL 8.8 and RHEL 8.10

Starting from the 7.3.1 release, Hue supports only Python 3.9 for RHEL 8.8 and RHEL 8.10. Before upgrading to Cloudera Runtime 7.3.1, you must install Python 3.9 on all the Hue servers, as Hue requires a Python 3.9 version and does not start without it. For information about migrating from Python 3.8 to Python 3.9, see [Migrating from Python 3.8 to Python 3.9 on RHEL 8.8 or RHEL 8.10](#).

What's New in Apache Iceberg

Learn about the new features of Iceberg in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF1

There are no new features in this release.

What's New in Iceberg REST Catalog

Learn about the new features of Iceberg REST Catalog in Cloudera Runtime 7.3.1.

Cloudera Runtime 7.3.1.500 SP3

There are no new features in this release.

Cloudera Runtime 7.3.1.400 SP2: Data Sharing with Iceberg REST catalog

Cloudera now offers a data sharing feature that allows you to share Iceberg tables with external clients outside your Cloudera environment. This enables your clients to access your Iceberg table data using various third-party engines that support the Iceberg REST catalog. Through the Iceberg REST catalog service that is deployed within Hive Metastore, leveraging OAuth authentication from Knox Token management and Apache Ranger policies for data access.



Note: Currently, Data Sharing with Cloudera Iceberg REST Catalog is supported only on AWS S3 storage in Cloudera on cloud environments.

For more information, see [Cloudera Iceberg REST Catalog overview](#).

What's New in Apache Kafka

Learn about the new features of Apache Kafka in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:**Kafka Rolling Restart check—all partitions fully replicated**

A new broker rolling restart check option, all partitions fully replicated has been introduced.

Selecting this option ensures that all partitions are in a fully synchronized state when a broker is stopped. For more information, see [Rolling restart checks](#).

What's New in Apache Knox

Learn about the new features of Apache Knox in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3:

There are no new features in this release.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1**Improved custom descriptor and shared provider configuration management in Knox**

The users can now remove previously created custom descriptors, including their associated topologies, and shared provider configurations when they are no longer needed.

For more information, see [Remove a custom descriptor from Apache Knox](#) and [Remove a shared provider configuration](#).

What's New in Apache Kudu

Learn about the new features of Apache Kudu in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's New in Livy

Learn about the new features of Apache Livy in Cloudera Runtime 7.3.1 release, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in Livy in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in Livy in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in Livy in this release.

Cloudera Runtime 7.3.1:**High Availability support added for Livy**

Livy now supports high availability. If there are more than one Livy Servers in the cluster, high availability is automatically enabled.

What's New in Apache Oozie

Learn about the new features of Apache Oozie in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:**OpenJPA 3 upgrade in Apache Oozie**

Third-party library OpenJPA is upgraded from version 2 to version 3 in Apache Oozie. This upgrade includes the following updates:

- New configuration properties
- Deprecated configuration properties
- Enhanced error handling

For more information, see [OpenJPA upgrade](#).

What's New in Apache Phoenix

Learn about the new features of Apache Phoenix in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:**Phoenix now supports alternate HBase connection registries**

You can now use the Phoenix thick client using additional HBase connection registries. Phoenix now supports a Zookeeper-less connection strategy using a Master Registry implementation.

Phoenix now introduces the following JDBC URL variants.

- jdbc:phoenix+zk: Uses Zookeeper. This is the original registry supported since the inception of HBase and Phoenix.
- jdbc:phoenix+rpc: Uses RPC to connect to the specified HBase Region Server or Master nodes.
- jdbc:phoenix+master: Uses RPC to connect to the specified HBase Master nodes.

For more information, see [Using the Phoenix JDBC Driver](#).

Phoenix FIPS support

Phoenix is now Federal Information Processing Standards (FIPS) compliant. For more information, see [Phoenix is FIPS compliant](#).

Phoenix supports rolling restart

If Phoenix service instances are running on multiple nodes, while performing a rolling restart the Phoenix services are restarted one after another ensuring zero downtime.

The OMID service also supports rolling restart and the High Availability (HA) mode for the OMID TSO server. If OMID service instances are running on multiple nodes, while performing a rolling restart the OMID services are restarted one after another ensuring zero downtime. For more information, see [Preparing for a Zero Downtime Upgrade](#).

Phoenix supports JDK 17

Phoenix supports Oracle JDK version 17.0.6 starting from CDP Runtime 7.1.9. For more information on JDK 17, see [Java Requirements](#).

Operating system support

Phoenix is now supported on the following operating systems:

- RHEL-9.1
- RHEL-8.8
- RHEL-8.8 FIPS
- Oracle-8.8 UEK
- SLES-15 SP4 for x86

What's New in Apache Ranger

Learn about the new features of Apache Ranger in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

ZooKeeper SSL/TLS support for Ranger

Ranger and Ranger plugin audit to Solr supports ZooKeeper-SSL enabled connection.

Support multiple columns policy creation in Ranger for Grant/Revoke request

This enhancement supports multiple columns policy creation in Ranger for Grant/Revoke requests for Impala.

Ranger REST API improvements

Ranger REST APIs have the following changes:

- The following APIs have been removed:
 - assets/credstores - GET, POST, PUT
 - credstores/count - GET
 - credstores/{id} - GET
 - /xusers/auditmaps - GET
 - /xusers/auditmaps/count - GET
 - /xusers/permmaps - GET
 - /resource/{id} - GET
 - assets/policyList/{repository}
 - /groupgroups/* (All methods)
- The following APIs were not returning any access code when request is denied; now they suppose to 403:
 - /tags/tags
 - /tags/types
 - /tags/resources APIs
- Earlier When a non admin user makes a DELETE request to below endpoint, it was returning 405 method not allowed. However, now it returns 403.
 - /assets/resources/{resource_id}
- Earlier the API was not accessible for the keyadmin role users, but now it shall be accessible.
 - /xaudit/trx_log
- Earlier the below mentioned API was returning {OWNER} and {USER} users in the response but now onwards it will not return because access to the users list will be based on which role user is having permissions to which role user.
 - /service/xusers/users
- The API endpoint /xaudit/trx_log/{trx_log_id} was not accessible by keyadmin users. keyadmin users can access the transaction logs using the endpoint /xaudit/trx_log, hence, the keyadmin users should also be allowed to access the endpoint /xaudit/trx_log/{trx_log_id} for transaction log ids related to KMS audits.

What's New in Schema Registry

Learn about the new features of Schema Registry in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

Enable Streams Messaging Manager principal as trusted proxy user in Schema Registry

Streams Messaging Manager usually connects to Schema Registry on behalf of an end user. For requests coming from Streams Messaging Manager, Schema Registry can now extract and authorize the end user to authorize the request.

What's new in Apache Solr

Learn about the new features of Apache Solr in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

Data Discovery and Exploration (Technical Preview)

A new Data Discovery and Exploration cluster definition is available in Cloudera Data Hub. It lets you explore and discover data sets ad-hoc; doing relevance-based analytics over unstructured data (logs, images, text, PDFs, etc). The cluster definition deploys HDFS, Hue, Solr, Spark, Yarn, and ZooKeeper services. The cluster definition is available for AWS.

- ZooKeeper SSL can now be configured for Solr and HBase Indexer. For more information, see [Enabling ZooKeeper SSL/TLS for Solr and HBase Indexer](#).
- Apache Solr is updated from 8.4.1 to 8.11.2 in this release of Cloudera Runtime. For more information, see [Apache Solr Release Notes](#) in the upstream documentation. For the list of notable unsupported features, see [Unsupported features](#).
- Using Local File System (LFS) for both MapReduce Indexer Tool (MRIT) and HBase MRIT is now supported.
- Spark 3 is now supported.
- Spark 2 is deprecated in this release and support will be dropped in an upcoming release.
- This release introduces the following two health checks for the Solr service which give information about the status of the cores hosted on different hosts:

Recovering cores

By default this check reports concerning health if any of the hosted cores are in recovering status. This threshold can be modified in the configurations with the `solr_recovering_core_thresholds` configuration parameter.

Critical cores

By default this check reports "bad health" if any of the hosted cores are in down or recovery failed status. This threshold can be modified in the configurations with the `solr_critical_core_thresholds` config.

These checks are enabled by default for the Infra Solr service but disabled by default for the Workload Solr services (Cloudera Search).

- Critical CVE fixes.

What's New in Apache Spark

Learn about the new features of Apache Spark in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF1:

There are no new features in Spark in this release.

Cloudera Runtime 7.3.1.200 SP1:

Rebase Spark3 to Apache Spark 3.5.4 in Cloudera Runtime.

Spark 3.5.4 is the default Spark version in Cloudera Runtime. Refer to the [Apache Spark documentation](#) for more information on changes.



Important: Refer to [Migrating Spark applications](#) for more information on migrating your existing Spark applications.

Cloudera Runtime 7.3.1.100 CHF1:

There are no new features in Spark in this release.

Cloudera Runtime 7.3.1:

Spark 3 is the default in Cloudera Runtime

Spark 3 is the default Spark version in Cloudera Runtime. Spark 2 has been removed and no longer available in 7.3.1.0



Important:

Spark 3 contains a large number of changes from Spark 2.

Refer to [Upgrading Spark](#) for more information on upgrading Spark clusters to 7.3.1.0, and [Migrating Spark applications](#) for more information on migrating your existing Spark applications between versions 2 and 3.

Related Information

[Upgrading Spark](#)

[Migrating Spark Applications](#)

What's New in Sqoop

Learn about the new features of Sqoop in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

To access the latest Sqoop documentation on Cloudera documentation website, go to [Sqoop Documentation 1.4.7.7.1.6.0](#).

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's New in Streams Messaging Manager

Learn about the new features of Streams Messaging Manager in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:**Validation for duplicate property keys in Kafka Connect connector configuration**

When validating Kafka Connect connector configurations, a warning is displayed if the configuration contains duplicate property keys. Duplicate property keys are highlighted with orange. The form can still be validated with the warnings present, but if there are duplicates, you are notified that only the value of the last occurrence is used.

Search supports regular expressions

The search component on the Topics, Brokers, Consumers, Producers page can now perform a regex search.

Visual clue when restarting on Kafka Connect

When clicking restart on Kafka Connect tasks or connectors, a loading circle is displayed in case of synchronous calls. The loading circle disappears once a response is received. For asynchronous calls, a pop-up is displayed, stating that the task or connector is restarted.

UX improvements

- Fixed text overflow in the side panel column headers
- Listing page table headers are now sticky of the nested table headers
- Listing page table styling has been improved for readability
- Filter selector drop-downs are now styled consistently
- Sidebar menu pop-ups are no longer hidden under tables
- Class names on the Kafka Connect popup are now wrapped into the containing pop-ups
- The password field is no longer obfuscated when using a file provider as a password

- Fixed the alignment of values on the Connector metrics page
- Source and sink connectors are now separate tabs on the connector creation modal
- Fixed visual issues on the topic creation modal
- Increased consistency in element contrast and text style throughout the UI
- Active and Inactive statuses now have high contrast
- The expand icon is now consistent throughout the UI

Expand security-related headers set by Streams Messaging Manager

The following security related headers were added to Streams Messaging Manager UI endpoints:

- Referrer-Policy
- Cross-Origin-Embedder-Policy
- Cross-Origin-Opener-Policy
- Cross-Origin-Resource-Policy

Streams Messaging Manager uses trusted proxy authentication when connecting to Schema Registry

You can only interact with schemas through Streams Messaging Manager if the necessary Ranger policies are set up for Schema Registry. For Streams Messaging Manager UI, you must have the correct permissions to check messages deserialized with Avro on Data Explorer.

What's New in Streams Replication Manager

Learn about the new features of Streams Replication Manager in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's New in Yarn and Yarn Queue Manager

Learn about the new features of Yarn and Yarn Queue Manager in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:**Queue Manager**

YARN Queue Manager is the queue management graphical user interface for Apache Hadoop YARN Capacity Scheduler. You can use YARN Queue Manager UI to manage your cluster capacity using queues to balance resource requirements of multiple applications from various users. Using YARN Queue Manager UI, you can set scheduler level properties and queue level properties. You can also view, sort, search, and filter queues using the YARN Queue Manager UI.

For more information about Queue Manager, see [Manage Queues](#).

FPGA as a resource type

You can now use FPGA as a resource type. For more information, see [Use FPGA scheduling](#).

New configuration property to enable or disable the YARN recommendation engine APIs

The YARN Recommendation API now recommends scaling cluster nodes up or down based on the demand and idle state of cluster resources. This feature can be turned on/off using the YARN configuration property `yarn.cluster.scaling.recommendation.enable`.

What's New in Apache ZooKeeper

Learn about the new features of ZooKeeper in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no new features in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1.200 SP1:

There are no new features in this release.

Cloudera Runtime 7.3.1.100 CHF 1:

There are no new features in this release.

Cloudera Runtime 7.3.1:

There are no new features in this release.

What's new in Platform Support

You must be aware of the platform support for the Cloudera Runtime 7.3.1 release, its service packs and cumulative hotfixes.

This section describes the platform support changes for the Cloudera Runtime 7.3.1 its service packs and cumulative hotfixes associated with Cloudera on cloud 7.3.1. its service packs and cumulative hotfixes

Cloudera Runtime 7.3.1.400 SP2

Platform Support Enhancements

RHEL 8.10 FIPS (extended RHEL 8.10 support for FIPS customers)

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new Platform Support Enhancements in this release.

Cloudera Runtime 7.3.1.200 SP1

New OS Support

Cloudera Runtime 7.3.1.100 CHF 1

There are no new Platform Support Enhancements in this release.

Cloudera Runtime 7.3.1

Platform Support Enhancements

- Default for all new environments:
 - OS support: RHEL 8.10
 - JDK version: JDK 17
 - Database version: PostgreSQL 14
 - Python version: 3.9
- No longer supported:
 - JDK 11 no longer supported (removed)

Cloudera Runtime Component Versions

The following sections lists the the official component versions for Cloudera Runtime 7.3.1 and its Service Packs and Hotfixes. To know the component versions for compatibility with other applications, you must be familiar with the latest component versions in Cloudera Runtime. You should also be aware of the available Technical Preview components and use them only in a testing environment.

Cloudera Runtime 7.3.1.400 SP2

List of the official component versions for Cloudera Runtime 7.3.1.400 SP2.

Apache Components

Component	Version
Apache Arrow	0.11.1.7.3.1.400-100
Apache Atlas	2.1.0.7.3.1.400-100

Component	Version
Apache Calcite	1.25.0.7.3.1.400-100
Apache Avatica	1.22.0.7.3.1.400-100
Apache Avro	1.11.1.7.3.1.400-100
Apache Hadoop (Includes YARN and HDFS)	3.1.1.7.3.1.400-100
Apache HBase	2.4.17.7.3.1.400-100
Apache Flink	1.19.1.14.0.0
Apache Hive	3.1.3000.7.3.1.400-100
Apache Iceberg	1.3.1.7.3.1.400-100
Apache Impala	4.0.0.7.3.1.400-100
Apache Kafka	3.4.1.7.3.1.400-100
Apache Knox	2.0.0.7.3.1.400-100
Apache Kudu	1.17.0.7.3.1.400-100
Apache Livy	0.7.23000.7.3.1.400-100
Apache MapReduce	3.1.1.7.3.1.400-100
Apache NiFi	1.28.1.2.2.9.400
Apache NiFi Registry	1.28.1.2.2.9.400
Apache NiFi 2	2.3.0.4.2.1.400
Apache NiFi Registry 2	2.3.0.4.2.1.400
Apache Oozie	5.1.0.7.3.1.400-100
Apache ORC	1.8.3.7.3.1.400-100
Apache Parquet	1.12.3.7.3.1.400-100
Apache Phoenix	5.1.3.7.3.1.400-100
Apache Ranger	2.4.0.7.3.1.400-100
Apache Solr	8.11.2.7.3.1.400-100
Apache Spark	3.5.4.7.3.1.400-100
Apache Sqoop	1.4.7.7.3.1.400-100
Apache Tez	0.9.1.7.3.1.400-100
Apache ZooKeeper	3.8.1.7.3.1.400-100

Other Components

Component	Version
Cruise Control	2.5.116.7.3.1.400-100
Data Analytics Studio	1.4.2.7.3.1.400-100
GCS Connector	2.1.2.7.3.1.400-100
Hue	4.5.0.7.3.1.400-100
Search	1.0.0.7.3.1.400-100
Schema Registry	0.10.0.7.3.1.400-100
Streams Messaging Manager	2.3.0.7.3.1.400-100
Streams Replication Manager	1.1.0.7.3.1.400-100
Data Discovery and Exploration	Technical Preview

Connectors and Encryption Components

Component	Version
HBase connectors	1.0.0.7.3.1.400-100
Hive Meta Store (HMS)	1.0.0.7.3.1.400-100
Hive on Tez	1.0.0.7.3.1.400-100
Hive Warehouse Connector	1.0.0.7.3.1.400-100
Spark Atlas Connector	3.4.1.7.3.1.400-100
Spark Schema Registry	3.4.1.7.3.1.400-100

**Note:**

- Cloudera Ozone version 1.3.0 code is equivalent to Apache Ozone 1.4.0 in the 7.3.1 release. However, the version number will be reset in the next release.
- Starting from 7.3.1.100 release, the Apache Ozone version is Apache Ozone 1.4.0.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

List of the official component versions for Cloudera Runtime 7.3.1.300 SP1 CHF 1.

Apache Components

Component	Version
Apache Arrow	0.11.1.7.3.1.300-81
Apache Atlas	2.1.0.7.3.1.300-81
Apache Calcite	1.25.0.7.3.1.300-81
Apache Avatica	1.22.0.7.3.1.300-81
Apache Avro	1.11.1.7.3.1.300-81
Apache Hadoop (Includes YARN and HDFS)	3.1.1.7.3.1.300-81
Apache HBase	2.4.17.7.3.1.300-81
Apache Flink	1.19.1.14.0.0
Apache Hive	3.1.3000.7.3.1.300-81
Apache Iceberg	1.3.1.7.3.1.300-81
Apache Impala	4.0.0.7.3.1.300-81
Apache Kafka	3.4.1.7.3.1.300-81
Apache Knox	2.0.0.7.3.1.300-81
Apache Kudu	1.17.0.7.3.1.300-81
Apache Livy	0.7.23000.7.3.1.300-81
Apache MapReduce	3.1.1.7.3.1.300-81
Apache NiFi	1.28.1.2.2.9.0
Apache NiFi Registry	1.28.1.2.2.9.0
Apache NiFi [Technical Preview]	2.0.0.4.2.1.0
Apache NiFi Registry [Technical Preview]	2.0.0.4.2.1.0
Apache Oozie	5.1.0.7.3.1.300-81
Apache ORC	1.8.3.7.3.1.300-81

Component	Version
Apache Parquet	1.12.3.7.3.1.300-81
Apache Phoenix	5.1.3.7.3.1.300-81
Apache Ranger	2.4.0.7.3.1.300-81
Apache Solr	8.11.2.7.3.1.300-81
Apache Spark	3.5.4.7.3.1.300-81
Apache Sqoop	1.4.7.7.3.1.300-81
Apache Tez	0.9.1.7.3.1.300-81
Apache ZooKeeper	3.8.1.7.3.1.300-81

Other Components

Component	Version
Cruise Control	2.5.116.7.3.1.300-81
Data Analytics Studio	1.4.2.7.3.1.300-81
GCS Connector	2.1.2.7.3.1.300-81
Hue	4.5.0.7.3.1.300-81
Search	1.0.0.7.3.1.300-81
Schema Registry	0.10.0.7.3.1.300-81
Streams Messaging Manager	2.3.0.7.3.1.300-81
Streams Replication Manager	1.1.0.7.3.1.300-81
Data Discovery and Exploration	Technical Preview

Connectors and Encryption Components

Component	Version
HBase connectors	1.0.0.7.3.1.300-81
Hive Meta Store (HMS)	1.0.0.7.3.1.300-81
Hive on Tez	1.0.0.7.3.1.300-81
Hive Warehouse Connector	1.0.0.7.3.1.300-81
Spark Atlas Connector	3.4.1.7.3.1.300-81
Spark Schema Registry	3.4.1.7.3.1.300-81



Note:

- Cloudera Ozone version 1.3.0 code is equivalent to Apache Ozone 1.4.0 in the 7.3.1 release. However, the version number will be reset in the next release.
- Starting from 7.3.1.100 release, the Apache Ozone version is Apache Ozone 1.4.0.

Cloudera Runtime 7.3.1.200 SP1

List of the official component versions for Cloudera Runtime 7.3.1.200 SP1.

Apache Components

Component	Version
Apache Arrow	0.11.1.7.3.1.200-90

Component	Version
Apache Atlas	2.1.0.7.3.1.200-90
Apache Calcite	1.25.0.7.3.1.200-90
Apache Avatica	1.22.0.7.3.1.200-90
Apache Avro	1.11.1.7.3.1.200-90
Apache Hadoop (Includes YARN and HDFS)	3.1.1.7.3.1.200-90
Apache HBase	2.4.17.7.3.1.200-90
Apache Flink	1.19.1.14.0.0
Apache Hive	3.1.3000.7.3.1.200-90
Apache Iceberg	1.3.1.7.3.1.200-90
Apache Impala	4.0.0.7.3.1.200-90
Apache Kafka	3.4.1.7.3.1.200-90
Apache Knox	2.0.0.7.3.1.200-90
Apache Kudu	1.17.0.7.3.1.200-90
Apache Livy	0.7.23000.7.3.1.200-90
Apache MapReduce	3.1.1.7.3.1.200-90
Apache NiFi	1.28.1.2.2.9.0
Apache NiFi Registry	1.28.1.2.2.9.0
Apache NiFi [Technical Preview]	2.0.0.4.2.1.0
Apache NiFi Registry [Technical Preview]	2.0.0.4.2.1.0
Apache Oozie	5.1.0.7.3.1.200-90
Apache ORC	1.8.3.7.3.1.200-90
Apache Parquet	1.12.3.7.3.1.200-90
Apache Phoenix	5.1.3.7.3.1.200-90
Apache Ranger	2.4.0.7.3.1.200-90
Apache Solr	8.11.2.7.3.1.200-90
Apache Spark	3.5.4.7.3.1.200-90
Apache Sqoop	1.4.7.7.3.1.200-90
Apache Tez	0.9.1.7.3.1.200-90
Apache ZooKeeper	3.8.1.7.3.1.200-90

Other Components

Component	Version
Cruise Control	2.5.116.7.3.1.200-90
Data Analytics Studio	1.4.2.7.3.1.200-90
GCS Connector	2.1.2.7.3.1.200-90
Hue	4.5.0.7.3.1.200-90
Search	1.0.0.7.3.1.200-90
Schema Registry	0.10.0.7.3.1.200-90
Streams Messaging Manager	2.3.0.7.3.1.200-90
Streams Replication Manager	1.1.0.7.3.1.200-90

Component	Version
Data Discovery and Exploration	Technical Preview

Connectors and Encryption Components

Component	Version
HBase connectors	1.0.0.7.3.1.200-90
Hive Meta Store (HMS)	1.0.0.7.3.1.200-90
Hive on Tez	1.0.0.7.3.1.200-90
Hive Warehouse Connector	1.0.0.7.3.1.200-90
Spark Atlas Connector	3.4.1.7.3.1.200-90
Spark Schema Registry	3.4.1.7.3.1.200-90



Note:

- Cloudera Ozone version 1.3.0 code is equivalent to Apache Ozone 1.4.0 in the 7.3.1 release. However, the version number will be reset in the next release.
- Starting from 7.3.1.100 release, the Apache Ozone version is Apache Ozone 1.4.0.

Cloudera Runtime 7.3.1.100 CHF 1

List of the official component versions for Cloudera Runtime 7.3.1.100 CHF 1.

Apache Components

Component	Version
Apache Arrow	0.11.1.7.3.1.100-57
Apache Atlas	2.1.0.7.3.1.100-57
Apache Calcite	1.25.0.7.3.1.100-57
Apache Avatica	1.22.0.7.3.1.100-57
Apache Avro	1.11.1.7.3.1.100-57
Apache Hadoop (Includes YARN and HDFS)	3.1.1.7.3.1.100-57
Apache HBase	2.4.17.7.3.1.100-57
Apache Flink	1.19.1.14.0.0
Apache Hive	3.1.3000.7.3.1.100-57
Apache Iceberg	1.3.1.7.3.1.100-57
Apache Impala	4.0.0.7.3.1.100-57
Apache Kafka	3.4.1.7.3.1.100-57
Apache Knox	2.0.0.7.3.1.100-57
Apache Kudu	1.17.0.7.3.1.100-57
Apache Livy	0.7.23000.7.3.1.100-57
Apache MapReduce	3.1.1.7.3.1.100-57
Apache NiFi	1.28.1.2.2.9.0
Apache NiFi Registry	1.28.1.2.2.9.0
Apache NiFi [Technical Preview]	2.0.0.4.2.1.0
Apache NiFi Registry [Technical Preview]	2.0.0.4.2.1.0

Component	Version
Apache Oozie	5.1.0.7.3.1.100-57
Apache ORC	1.8.3.7.3.1.100-57
Apache Parquet	1.12.3.7.3.1.100-57
Apache Phoenix	5.1.3.7.3.1.100-57
Apache Ranger	2.4.0.7.3.1.100-57
Apache Solr	8.11.2.7.3.1.100-57
Apache Spark	3.4.1.7.3.1.100-57
Apache Sqoop	1.4.7.7.3.1.100-57
Apache Tez	0.9.1.7.3.1.100-57
Apache ZooKeeper	3.8.1.7.3.1.100-57

Other Components

Component	Version
Cruise Control	2.5.116.7.3.1.100-57
Data Analytics Studio	1.4.2.7.3.1.100-57
GCS Connector	2.1.2.7.3.1.100-57
Hue	4.5.0.7.3.1.100-57
Search	1.0.0.7.3.1.100-57
Schema Registry	0.10.0.7.3.1.100-57
Streams Messaging Manager	2.3.0.7.3.1.100-57
Streams Replication Manager	1.1.0.7.3.1.100-57
Data Discovery and Exploration	Technical Preview

Connectors and Encryption Components

Component	Version
HBase connectors	1.0.0.7.3.1.100-57
Hive Meta Store (HMS)	1.0.0.7.3.1.100-57
Hive on Tez	1.0.0.7.3.1.100-57
Hive Warehouse Connector	1.0.0.7.3.1.100-57
Spark Atlas Connector	3.4.1.7.3.1.100-57
Spark Schema Registry	3.4.1.7.3.1.100-57



Note:

- Cloudera Ozone version 1.3.0 code is equivalent to Apache Ozone 1.4.0 in the 7.3.1 release. However, the version number will be reset in the next release.
- Starting from 7.3.1.100 release, the Apache Ozone version is Apache Ozone 1.4.0.

Cloudera Runtime 7.3.1

List of the official component versions for Cloudera Runtime 7.3.1.

Apache Components

Component	Version
Apache Arrow	0.11.1.7.3.1.0-197
Apache Atlas	2.1.0.7.3.1.0-197
Apache Calcite	1.25.0.7.3.1.0-197
Apache Avatica	1.22.0.7.3.1.0-197
Apache Avro	1.11.1.7.3.1.0-197
Apache Hadoop (Includes YARN and HDFS)	3.1.1.7.3.1.0-197
Apache HBase	2.4.17.7.3.1.0-197
Apache Flink	1.19.1.14.0.0
Apache Hive	3.1.3000.7.3.1.0-197
Apache Iceberg	1.3.1.7.3.1.0-197
Apache Impala	4.0.0.7.3.1.0-197
Apache Kafka	3.4.1.7.3.1.0-197
Apache Knox	2.0.0.7.3.1.0-197
Apache Kudu	1.17.0.7.3.1.0-197
Apache Livy	0.7.23000.7.3.1.0-197
Apache MapReduce	3.1.1.7.3.1.0-197
Apache NiFi	1.28.1.2.2.9.0
Apache NiFi Registry	1.28.1.2.2.9.0
Apache NiFi [Technical Preview]	2.0.0.4.2.1.0
Apache NiFi Registry [Technical Preview]	2.0.0.4.2.1.0
Apache Oozie	5.1.0.7.3.1.0-197
Apache ORC	1.8.3.7.3.1.0-197
Apache Parquet	1.12.3.7.3.1.0-197
Apache Phoenix	5.1.3.7.3.1.0-197
Apache Ranger	2.4.0.7.3.1.0-197
Apache Solr	8.11.2.7.3.1.0-197
Apache Spark	3.4.1.7.3.1.0-197
Apache Sqoop	1.4.7.7.3.1.0-197
Apache Tez	0.9.1.7.3.1.0-197
Apache ZooKeeper	3.8.1.7.3.1.0-197

Other Components

Component	Version
Cruise Control	2.5.116.7.3.1.0-197
Data Analytics Studio	1.4.2.7.3.1.0-197
GCS Connector	2.1.2.7.3.1.0-197
Hue	4.5.0.7.3.1.0-197
Search	1.0.0.7.3.1.0-197
Schema Registry	0.10.0.7.3.1.0-197
Streams Messaging Manager	2.3.0.7.3.1.0-197

Component	Version
Streams Replication Manager	1.1.0.7.3.1.0-197
Data Discovery and Exploration	Technical Preview

Connectors and Encryption Components

Component	Version
HBase connectors	1.0.0.7.3.1.0-197
Hive Meta Store (HMS)	1.0.0.7.3.1.0-197
Hive on Tez	1.0.0.7.3.1.0-197
Hive Warehouse Connector	1.0.0.7.3.1.0-197
Spark Atlas Connector	3.4.1.7.3.1.0-197
Spark Schema Registry	3.4.1.7.3.1.0-197



Note:

- Cloudera Ozone version 1.3.0 code is equivalent to Apache Ozone 1.4.0 in the 7.3.1 release. However, the version number will be reset in the next release.
- Starting from 7.3.1.100 release, the Apache Ozone version is Apache Ozone 1.4.0.

Using the Cloudera Runtime Maven repository 7.3.1

Information about using Maven to build applications with Cloudera Runtime components.

If you want to build applications or tools for use with Cloudera Runtime components and you are using Maven or Ivy for dependency management, you can pull the Cloudera Runtime artifacts from the Cloudera Maven repository. The repository is available at <https://repository.cloudera.com/artifactory/cloudera-repos/>.



Important: When you build an application JAR, do not include CDH JARs, because they are already provided. If you do, upgrading CDH can break your application. To avoid this situation, set the Maven dependency scope to provided. If you have already built applications which include the CDH JARs, update the dependency to set scope to provided and recompile.

The following is a sample POM (pom.xml) file:

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <repositories>
    <repository>
      <id>cloudera</id>
      <url>https://repository.cloudera.com/artifactory/cloudera-repos/</url>
    </repository>
  </repositories>
</project>
```

Cloudera Runtime 7.3.1.400-100

The following table lists the project name, groupId, artifactId, and version required to access each RUNTIME artifact.

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-authorization	2.1.0.7.3.1.400-100

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-aws-s3-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-azure-adls-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-classification-updater	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-client-common	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-client-v1	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-client-v2	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-client-v2-shaded	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-common	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-distro	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-docs	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-graphdb-api	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-graphdb-common	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-graphdb-janus	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-hdfs-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-index-repair-tool	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-intg	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-janusgraph-hbase2	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-notification	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-plugin-classloader	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-repository	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-server-api	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	atlas-testtools	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hbase-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hbase-bridge-shim	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hbase-testing-util	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hdfs-model	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hive-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	hive-bridge-shim	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	impala-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	impala-bridge-shim	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	impala-hook-api	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	kafka-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	kafka-bridge-shim	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	navigator-to-atlas	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	sample-app	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	sqoop-bridge	2.1.0.7.3.1.400-100
Atlas	org.apache.atlas	sqoop-bridge-shim	2.1.0.7.3.1.400-100
Avro	org.apache.avro	avro	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-android	1.11.1.7.3.1.400-100

Project	groupId	artifactId	version
Avro	org.apache.avro	avro-codegen-test	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-compiler	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-grpc	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-ipc	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-ipc-jetty	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-ipc-netty	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-mapred	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-maven-plugin	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-perf	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-protobuf	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-service-archetype	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-test-custom-conversions	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-thrift	1.11.1.7.3.1.400-100
Avro	org.apache.avro	avro-tools	1.11.1.7.3.1.400-100
Avro	org.apache.avro	trevni-avro	1.11.1.7.3.1.400-100
Avro	org.apache.avro	trevni-core	1.11.1.7.3.1.400-100
Calcite	org.apache.calcite	calcite-babel	1.25.0.7.3.1.400-100
Calcite	org.apache.calcite	calcite-core	1.25.0.7.3.1.400-100
Calcite	org.apache.calcite	calcite-druid	1.25.0.7.3.1.400-100
Calcite	org.apache.calcite	calcite-linq4j	1.25.0.7.3.1.400-100
Calcite	org.apache.calcite	calcite-server	1.25.0.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-aliyun	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-annotations	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-archive-logs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-archives	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-assemblies	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-auth	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-aws	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-azure	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-azure-datalake	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-benchmark	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-build-tools	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-client	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-client-api	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-client-integration-tests	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-client-minicluster	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-client-runtime	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-cloud-storage	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-common	3.1.1.7.3.1.400-100

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-datajoin	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-distcp	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-extras	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-fs2img	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-gridmix	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs-client	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs-httpfs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs-native-client	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs-nfs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-hdfs-rbf	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-kafka	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-kms	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-app	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-common	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-core	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs-plugins	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-jobclient	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-nativetask	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-shuffle	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-uploader	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-mapreduce-examples	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-maven-plugins	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-minicluster	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-minikdc	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-nfs	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-openstack	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-resourceestimator	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-rumen	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-sls	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-streaming	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-tools-dist	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-api	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-applications-distributedshell	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-applications-unmanaged-am-launcher	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-client	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-common	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-registry	3.1.1.7.3.1.400-100

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-yarn-server-applicationhistoryservice	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-common	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-nodemanager	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-resourcemanager	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-router	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-sharedcachemanager	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-tests	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timeline-pluginstorage	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-client	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-common	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-server-2	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-tests	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-server-web-proxy	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-services-api	3.1.1.7.3.1.400-100
Hadoop	org.apache.hadoop	hadoop-yarn-services-core	3.1.1.7.3.1.400-100
HBase	org.apache.hbase	hbase-annotations	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-asyncfs	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-checkstyle	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-client	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-client-project	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-common	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-endpoint	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-examples	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-external-blockcache	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-hadoop-compat	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-hadoop2-compat	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-hbtop	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-http	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-it	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-logging	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-mapreduce	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-metrics	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-metrics-api	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-procedure	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-protocol	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-protocol-shaded	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-replication	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-resource-bundle	2.4.17.7.3.1.400-100

Project	groupId	artifactId	version
HBase	org.apache.hbase	hbase-rest	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-rsgroup	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-server	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-client	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-client-byo-hadoop	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-client-project	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-mapreduce	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-testing-util	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shaded-testing-util-tester	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-shell	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-testing-util	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-thrift	2.4.17.7.3.1.400-100
HBase	org.apache.hbase	hbase-zookeeper	2.4.17.7.3.1.400-100
Hive	org.apache.hive	catalogd-unit	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-beeline	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-blobstore	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-classification	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-cli	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-common	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-contrib	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-exec	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-hbase-handler	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-hcatalog-it-unit	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-hms-catalog	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-hplsql	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-iceberg-catalog	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-iceberg-handler	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-iceberg-shading	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-impala	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-custom-serde	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-iceberg	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-impala	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-minikdc	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-qfile	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-qfile-kudu	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-test-serde	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-unit	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-unit-hadoop2	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-it-util	3.1.3000.7.3.1.400-100

Project	groupId	artifactId	version
Hive	org.apache.hive	hive-jdbc	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-jdbc-handler	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-jmh	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-kudu-handler	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-llap-client	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-llap-common	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-llap-ext-client	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-llap-server	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-llap-tez	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-metastore	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-parser	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-pre-upgrade	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-serde	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-service	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-service-rpc	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-shims	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-standalone-metastore	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-storage-api	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-streaming	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-testutils	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-udf	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	hive-vector-code-gen	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	kafka-handler	3.1.3000.7.3.1.400-100
Hive	org.apache.hive	patched-iceberg-api	patched-1.3.1.7.3.1.400-100-3.1.3000
Hive	org.apache.hive	patched-iceberg-core	patched-1.3.1.7.3.1.400-100-3.1.3000
Hive Warehouse Connector	com.hortonworks.hive	hive-warehouse-connector-spark3_2.12	1.0.0.7.3.1.400-100
Kafka	org.apache.kafka	ci	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-api	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-basic-auth-extension	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-cloudera-authorization-extension	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-cloudera-common	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-cloudera-secret-storage	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-cloudera-security-policies	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-file	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-json	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-mirror	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-mirror-client	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	connect-runtime	3.4.1.7.3.1.400-100

Project	groupId	artifactId	version
Kafka	org.apache.kafka	connect-transforms	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	generator	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-clients	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.12	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.13	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-cloudera-plugins	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-examples	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-group-coordinator	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-log4j-appender	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-metadata	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-raft	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-server-common	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-shell	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-storage	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-storage-api	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-examples	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-scala_2.12	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-scala_2.13	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-test-utils	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0100	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0101	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0102	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0110	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-10	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-11	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-20	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-21	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-22	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-23	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-24	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-25	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-26	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-27	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-28	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-30	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-31	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-32	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-33	3.4.1.7.3.1.400-100

Project	groupId	artifactId	version
Kafka	org.apache.kafka	kafka-tools	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka_2.12	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	kafka_2.13	3.4.1.7.3.1.400-100
Kafka	org.apache.kafka	trogdor	3.4.1.7.3.1.400-100
Knox	org.apache.knox	gateway-adapter	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-admin-ui	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-applications	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-cloud-bindings	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-demo-ldap	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-demo-ldap-launcher	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-discovery-ambari	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-discovery-cm	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-docker	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-i18n	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-i18n-logging-log4j	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-i18n-logging-slf4j	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-openapi-ui	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-performance-test	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-ha	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-common	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-concat	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-hadoop-groups	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-no-does	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-pseudo	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-regex	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-identity-assertion-switchcase	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-jersey	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-common	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-func-hostmap-static	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-func-inbound-query-param	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-func-service-registry	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-step-encrypt-uri	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-rewrite-step-secure-query	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-authc-anon	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-authz-acls	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-authz-composite	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-authz-path-acls	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-clientcert	2.0.0.7.3.1.400-100

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-provider-security-hadoopauth	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-jwt	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-pac4j	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-preauth	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-shiro	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-provider-security-webappsec	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-release	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-server	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-server-launcher	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-server-xforwarded-filter	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-admin	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-as	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-auth	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-definitions	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-hashicorp-vault	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-hbase	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-health	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-hive	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-idbroker	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-idbroker-plugins	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-impala	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-jkg	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-knoxsso	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-knoxsout	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-knoxtoken	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-livy	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-metadata	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-nifi	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-nifi-registry	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-remoteconfig	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-rm	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-session	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-storm	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-test	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-tgs	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-vault	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-service-webhdfs	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-shell	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-shell-launcher	2.0.0.7.3.1.400-100

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-shell-release	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-shell-samples	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-spi	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-spi-common	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-test	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-test-idbroker	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-test-release-utils	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-test-utils	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-topology-hadoop-xml	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-topology-simple	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-util-common	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-util-configinjector	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-util-launcher	2.0.0.7.3.1.400-100
Knox	org.apache.knox	gateway-util-urltemplate	2.0.0.7.3.1.400-100
Knox	org.apache.knox	webhdfs-test	2.0.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-backup-tools	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-backup3_2.12	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-client	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-hive	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-spark3-tools_2.12	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-spark3_2.12	1.17.0.7.3.1.400-100
Kudu	org.apache.kudu	kudu-test-utils	1.17.0.7.3.1.400-100
Livy	org.apache.livy	livy-api	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-client-common	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-client-http	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-core_2.12	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-examples	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-integration-test	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-repl_2.12	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-rsc	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-scala-api_2.12	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-server	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-test-lib	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-thriftserver	0.7.23000.7.3.1.400-100
Livy	org.apache.livy	livy-thriftserver-session	0.7.23000.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-common	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-icu	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-kuromoji	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-morfologik	8.11.2.7.3.1.400-100

Project	groupId	artifactId	version
Lucene	org.apache.lucene	lucene-analyzers-nori	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-openssl	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-phonetic	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-smartcn	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-analyzers-stempel	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-backward-codecs	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-benchmark	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-classification	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-codecs	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-core	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-demo	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-expressions	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-facet	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-grouping	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-highlighter	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-join	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-memory	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-misc	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-monitor	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-queries	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-queryparser	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-replicator	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-sandbox	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-spatial-extras	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-spatial3d	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-suggest	8.11.2.7.3.1.400-100
Lucene	org.apache.lucene	lucene-test-framework	8.11.2.7.3.1.400-100
Oozie	org.apache.oozie	oozie-client	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-core	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-distro	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-examples	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-fluent-job-api	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-fluent-job-client	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-server	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-distcp	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-git	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-hcatalog	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-hive	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-hive2	5.1.0.7.3.1.400-100

Project	groupId	artifactId	version
Oozie	org.apache.oozie	oozie-sharelib-oozie	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-spark3	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-sqoop	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-sharelib-streaming	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-tools	5.1.0.7.3.1.400-100
Oozie	org.apache.oozie	oozie-zookeeper-security-tests	5.1.0.7.3.1.400-100
ORC	org.apache.orc	orc-core	1.8.3.7.3.1.400-100
ORC	org.apache.orc	orc-examples	1.8.3.7.3.1.400-100
ORC	org.apache.orc	orc-mapreduce	1.8.3.7.3.1.400-100
ORC	org.apache.orc	orc-shims	1.8.3.7.3.1.400-100
ORC	org.apache.orc	orc-tools	1.8.3.7.3.1.400-100
Ozone	org.apache.ozone	hdds-annotation-processing	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-client	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-common	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-config	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-container-service	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-crypto-api	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-crypto-default	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-docs	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-erasurecode	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-hadoop-dependency-client	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-hadoop-dependency-server	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-hadoop-dependency-test	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-interface-admin	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-interface-client	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-interface-server	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-managed-rocksdb	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-rocks-native	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-server-framework	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-server-scm	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-test-utils	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	hdds-tools	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	mini-chaos-tests	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-client	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-common	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-csi	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-datanode	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-dist	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-filessystem	1.4.0.7.3.1.400-100

Project	groupId	artifactId	version
Ozone	org.apache.ozone	ozone-filessystem-common	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-filessystem-hadoop2	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-filessystem-hadoop3	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-filessystem-shaded	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-httpfsgateway	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-insight	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-integration-test	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-interface-client	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-interface-storage	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-manager	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-network-tests	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-recon	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-reconcodegen	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-s3-secret-store	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-s3gateway	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	ozone-tools	1.4.0.7.3.1.400-100
Ozone	org.apache.ozone	rocksdb-checkpoint-differ	1.4.0.7.3.1.400-100
Parquet	org.apache.parquet	parquet-avro	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-cascading	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-cascading3	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-column	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-common	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-encoding	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-format-structures	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-generator	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-hadoop	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-hadoop-bundle	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-jackson	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-pig	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-pig-bundle	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-protobuf	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-scala_2.12	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-thrift	1.12.3.7.3.1.400-100
Parquet	org.apache.parquet	parquet-tools	1.12.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-client-embedded-hbase-2.4	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-client-hbase-2.4	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-core	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.1.6	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.2.5	5.1.3.7.3.1.400-100

Project	groupId	artifactId	version
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.3.0	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.0	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.1	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.0	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.4	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-pherf	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-queryserver	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-queryserver-client	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-queryserver-it	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-queryserver-load-balancer	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-queryserver-orchestrator	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-server-hbase-2.4	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix-tracing-webapp	5.1.3.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix5-hive	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix5-hive-shaded	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix5-spark3	6.0.0.7.3.1.400-100
Phoenix	org.apache.phoenix	phoenix5-spark3-shaded	6.0.0.7.3.1.400-100
Ranger	org.apache.ranger	conditions-enrichers	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	credentialbuilder	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	embeddedwebserver	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	jisql	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ldapconfigcheck	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-adls-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-atlas-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-atlas-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-authn	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-common-ha	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-distro	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-examples-distro	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-gs-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hbase-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hbase-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hdfs-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hdfs-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hive-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-hive-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-intg	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kafka-connect-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kafka-plugin	2.4.0.7.3.1.400-100

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-kafka-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kms	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kms-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kms-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-knox-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-knox-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kudu-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kylin-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-kylin-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-metrics	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-nifi-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-nifi-registry-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-ozone-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-ozone-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-plugin-classloader	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-plugins-audit	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-plugins-common	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-plugins-cred	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-plugins-installer	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-policymigration	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-adls	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-chained-plugins	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-hook-abfs	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-hook-s3	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-intg	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-processor	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-s3	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-raz-s3-lib	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-rms-common	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-rms-hive	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-rms-plugins-common	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-rms-tools	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-rms-webapp	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-s3-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-sampleapp-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-schema-registry-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-solr-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-solr-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-sqoop-plugin	2.4.0.7.3.1.400-100

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-sqoop-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-storm-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-storm-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-tagsync	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-tools	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-trino-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-util	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-yarn-plugin	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ranger-yarn-plugin-shim	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	sample-client	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	sampleapp	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	shaded-raz-hook-abfs	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	shaded-raz-hook-s3	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	ugsync-util	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	unixauthclient	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	unixauthservice	2.4.0.7.3.1.400-100
Ranger	org.apache.ranger	unixusersync	2.4.0.7.3.1.400-100
Solr	org.apache.solr	solr-analysis-extras	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-analytics	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-cell	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-core	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-dataimporthandler	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-dataimporthandler-extras	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-gcs-repository	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-jaegertracer-configurator	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-langid	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-ltr	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-prometheus-exporter	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-s3-repository	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-security-util	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-solrj	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-test-framework	8.11.2.7.3.1.400-100
Solr	org.apache.solr	solr-velocity	8.11.2.7.3.1.400-100
Spark	org.apache.spark	spark-avro_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-catalyst_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-common-utils_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-connect-client-jvm_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-connect-common_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-connect_2.12	3.5.4.7.3.1.400-100

Project	groupId	artifactId	version
Spark	org.apache.spark	spark-core_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-graphx_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-hadoop-cloud_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-hive_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-kubernetes_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-kvstore_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-launcher_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-mllib-local_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-mllib_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-network-common_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-network-shuffle_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-network-yarn_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-protobuf_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-repl_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-shaded-raz	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-sketch_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-sql-api_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-sql-kafka-0-10_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-sql_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-streaming-kafka-0-10-assembly_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-streaming-kafka-0-10_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-streaming_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-tags_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-token-provider-kafka-0-10_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-unsafe_2.12	3.5.4.7.3.1.400-100
Spark	org.apache.spark	spark-yarn_2.12	3.5.4.7.3.1.400-100
Sqoop	org.apache.sqoop	sqoop	1.4.7.7.3.1.400-100
Sqoop	org.apache.sqoop	sqoop-test	1.4.7.7.3.1.400-100
Tez	org.apache.tez	hadoop-shim	0.9.1.7.3.1.400-100
Tez	org.apache.tez	hadoop-shim-2.8	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-api	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-aux-services	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-common	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-dag	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-examples	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-ext-service-tests	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-history-parser	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-javadoc-tools	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-job-analyzer	0.9.1.7.3.1.400-100

Project	groupId	artifactId	version
Tez	org.apache.tez	tez-mapreduce	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-protobuf-history-plugin	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-runtime-internals	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-runtime-library	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-tests	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-yarn-timeline-cache-plugin	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-yarn-timeline-history	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-yarn-timeline-history-with-acls	0.9.1.7.3.1.400-100
Tez	org.apache.tez	tez-yarn-timeline-history-with-fs	0.9.1.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-angular	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-display	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-interpreter	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-jdbc	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-jupyter	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-livy	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-markdown	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-server	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-shaded-raz	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-shell	0.8.2.7.3.1.400-100
Zeppelin	org.apache.zeppelin	zeppelin-zengine	0.8.2.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-fatjar	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-loggraph	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-rest	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-zooinspector	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-it	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-jute	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-prometheus-metrics	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-election	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-lock	3.8.1.7.3.1.400-100
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-queue	3.8.1.7.3.1.400-100

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The following table lists the project name, groupId, artifactId, and version required to access each RUNTIME artifact.

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-authorization	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-aws-s3-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-azure-adls-bridge	2.1.0.7.3.1.300-81

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-classification-updater	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-client-common	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-client-v1	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-client-v2	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-client-v2-shaded	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-common	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-distro	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-docs	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-graphdb-api	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-graphdb-common	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-graphdb-janus	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-hdfs-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-index-repair-tool	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-intg	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-janusgraph-hbase2	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-notification	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-plugin-classloader	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-repository	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-server-api	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	atlas-testtools	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hbase-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hbase-bridge-shim	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hbase-testing-util	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hdfs-model	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hive-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	hive-bridge-shim	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	impala-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	impala-bridge-shim	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	impala-hook-api	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	kafka-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	kafka-bridge-shim	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	navigator-to-atlas	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	sample-app	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	sqoop-bridge	2.1.0.7.3.1.300-81
Atlas	org.apache.atlas	sqoop-bridge-shim	2.1.0.7.3.1.300-81
Avro	org.apache.avro	avro	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-android	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-codegen-test	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-compiler	1.11.1.7.3.1.300-81

Project	groupId	artifactId	version
Avro	org.apache.avro	avro-grpc	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-ipc	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-ipc-jetty	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-ipc-netty	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-mapred	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-maven-plugin	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-perf	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-protobuf	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-service-archetype	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-test-custom-conversions	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-thrift	1.11.1.7.3.1.300-81
Avro	org.apache.avro	avro-tools	1.11.1.7.3.1.300-81
Avro	org.apache.avro	trevni-avro	1.11.1.7.3.1.300-81
Avro	org.apache.avro	trevni-core	1.11.1.7.3.1.300-81
Calcite	org.apache.calcite	calcite-babel	1.25.0.7.3.1.300-81
Calcite	org.apache.calcite	calcite-core	1.25.0.7.3.1.300-81
Calcite	org.apache.calcite	calcite-druid	1.25.0.7.3.1.300-81
Calcite	org.apache.calcite	calcite-linq4j	1.25.0.7.3.1.300-81
Calcite	org.apache.calcite	calcite-server	1.25.0.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-aliyun	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-annotations	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-archive-logs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-archives	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-assemblies	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-auth	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-aws	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-azure	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-azure-datalake	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-benchmark	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-build-tools	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-client	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-client-api	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-client-integration-tests	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-client-minicluster	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-client-runtime	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-cloud-storage	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-common	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-datajoin	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-distcp	3.1.1.7.3.1.300-81

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-extras	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-fs2img	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-gridmix	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs-client	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs-httpfs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs-native-client	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs-nfs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-hdfs-rbf	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-kafka	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-kms	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-app	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-common	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-core	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs-plugins	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-jobclient	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-nativetask	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-shuffle	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-uploader	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-mapreduce-examples	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-maven-plugins	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-minicluster	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-minikdc	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-nfs	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-openstack	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-resourceestimator	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-rumen	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-sls	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-streaming	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-tools-dist	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-api	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-applications-distributedshell	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-applications-unmanaged-am-launcher	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-client	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-common	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-registry	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-applicationhistoryservice	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-common	3.1.1.7.3.1.300-81

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-yarn-server-nodemanager	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-resourcemanager	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-router	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-sharedcachemanager	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-tests	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timeline-pluginstorage	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-client	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-common	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-server-2	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-tests	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-server-web-proxy	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-services-api	3.1.1.7.3.1.300-81
Hadoop	org.apache.hadoop	hadoop-yarn-services-core	3.1.1.7.3.1.300-81
HBase	org.apache.hbase	hbase-annotations	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-asyncfs	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-checkstyle	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-client	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-client-project	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-common	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-endpoint	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-examples	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-external-blockcache	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-hadoop-compat	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-hadoop2-compat	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-hbtop	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-http	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-it	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-logging	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-mapreduce	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-metrics	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-metrics-api	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-procedure	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-protocol	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-protocol-shaded	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-replication	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-resource-bundle	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-rest	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-rsgroup	2.4.17.7.3.1.300-81

Project	groupId	artifactId	version
HBase	org.apache.hbase	hbase-server	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-client	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-client-byo-hadoop	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-client-project	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-mapreduce	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-testing-util	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shaded-testing-util-tester	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-shell	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-testing-util	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-thrift	2.4.17.7.3.1.300-81
HBase	org.apache.hbase	hbase-zookeeper	2.4.17.7.3.1.300-81
Hive	org.apache.hive	catalogd-unit	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-beeline	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-blobstore	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-classification	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-cli	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-common	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-contrib	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-exec	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-hbase-handler	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-hcatalog-it-unit	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-hplsql	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-iceberg-catalog	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-iceberg-handler	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-iceberg-shading	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-impala	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-custom-serde	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-iceberg	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-impala	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-minikdc	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-qfile	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-qfile-kudu	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-test-serde	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-unit	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-unit-hadoop2	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-it-util	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-jdbc	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-jdbc-handler	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-jmh	3.1.3000.7.3.1.300-81

Project	groupId	artifactId	version
Hive	org.apache.hive	hive-kudu-handler	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-llap-client	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-llap-common	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-llap-ext-client	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-llap-server	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-llap-tez	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-metastore	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-parser	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-pre-upgrade	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-serde	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-service	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-service-rpc	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-shims	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-standalone-metastore	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-storage-api	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-streaming	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-testutils	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-udf	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	hive-vector-code-gen	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	kafka-handler	3.1.3000.7.3.1.300-81
Hive	org.apache.hive	patched-iceberg-api	patched-1.3.1.7.3.1.300-81-3.1.3000.7.3.1.300-81
Hive	org.apache.hive	patched-iceberg-core	patched-1.3.1.7.3.1.300-81-3.1.3000.7.3.1.300-81
Hive Warehouse Connector	com.hortonworks.hive	hive-warehouse-connector-spark3_2.12	1.0.0.7.3.1.300-81
Kafka	org.apache.kafka	ci	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-api	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-basic-auth-extension	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-cloudera-authorization-extension	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-cloudera-common	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-cloudera-secret-storage	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-cloudera-security-policies	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-file	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-json	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-mirror	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-mirror-client	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-runtime	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	connect-transforms	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	generator	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-clients	3.4.1.7.3.1.300-81

Project	groupId	artifactId	version
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.12	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.13	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-cloudera-plugins	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-examples	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-group-coordinator	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-log4j-appender	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-metadata	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-raft	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-server-common	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-shell	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-storage	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-storage-api	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-examples	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-scala_2.12	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-scala_2.13	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-test-utils	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0100	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0101	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0102	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0110	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-10	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-11	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-20	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-21	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-22	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-23	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-24	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-25	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-26	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-27	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-28	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-30	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-31	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-32	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-33	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka-tools	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka_2.12	3.4.1.7.3.1.300-81
Kafka	org.apache.kafka	kafka_2.13	3.4.1.7.3.1.300-81

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Kafka	org.apache.kafka	trogdor	3.4.1.7.3.1.300-81
Knox	org.apache.knox	gateway-adapter	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-admin-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-applications	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-cloud-bindings	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-demo-ldap	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-demo-ldap-launcher	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-discovery-ambari	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-discovery-cm	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-docker	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-i18n	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-i18n-logging-log4j	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-i18n-logging-slf4j	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-openapi-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-performance-test	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-ha	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-common	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-concat	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-hadoop-groups	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-no-doas	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-pseudo	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-regex	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-identity-assertion-switchcase	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-jersey	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-common	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-func-hostmap-static	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-func-inbound-query-param	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-func-service-registry	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-step-encrypt-uri	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-rewrite-step-secure-query	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-authc-anon	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-authz-acls	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-authz-composite	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-authz-path-acls	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-clientcert	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-hadoopauth	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-jwt	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-pac4j	2.0.0.7.3.1.300-81

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Knox	org.apache.knox	gateway-provider-security-preauth	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-shiro	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-provider-security-webappsec	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-release	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-server	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-server-launcher	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-server-xforwarded-filter	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-admin	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-as	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-auth	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-definitions	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-hashicorp-vault	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-hbase	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-health	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-hive	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-idbroker	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-idbroker-plugins	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-impala	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-jkg	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-knoxsso	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-knoxssout	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-knoxtoken	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-livy	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-metadata	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-nifi	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-nifi-registry	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-remoteconfig	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-rm	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-session	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-storm	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-test	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-tgs	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-vault	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-service-webhdfs	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-shell	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-shell-launcher	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-shell-release	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-shell-samples	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-spi	2.0.0.7.3.1.300-81

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-spi-common	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-test	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-test-idbroker	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-test-release-utils	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-test-utils	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-topology-hadoop-xml	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-topology-simple	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-util-common	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-util-configinjector	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-util-launcher	2.0.0.7.3.1.300-81
Knox	org.apache.knox	gateway-util-urltemplate	2.0.0.7.3.1.300-81
Knox	org.apache.knox	hadoop-examples	2.0.0.7.3.1.300-81
Knox	org.apache.knox	knox-cli-launcher	2.0.0.7.3.1.300-81
Knox	org.apache.knox	knox-homepage-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	knox-token-generation-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	knox-token-management-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	knox-webshell-ui	2.0.0.7.3.1.300-81
Knox	org.apache.knox	webhdfs-kerb-test	2.0.0.7.3.1.300-81
Knox	org.apache.knox	webhdfs-test	2.0.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-backup-tools	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-backup3_2.12	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-client	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-hive	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-spark3-tools_2.12	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-spark3_2.12	1.17.0.7.3.1.300-81
Kudu	org.apache.kudu	kudu-test-utils	1.17.0.7.3.1.300-81
Livy	org.apache.livy	livy-api	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-client-common	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-client-http	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-core_2.12	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-examples	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-integration-test	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-repl_2.12	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-rsc	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-scala-api_2.12	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-server	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-test-lib	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-thriftserver	0.7.23000.7.3.1.300-81
Livy	org.apache.livy	livy-thriftserver-session	0.7.23000.7.3.1.300-81

Project	groupId	artifactId	version
Lucene	org.apache.lucene	lucene-analyzers-common	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-icu	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-kuromoji	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-morfologik	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-nori	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-openslp	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-phonetic	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-smartcn	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-analyzers-stempel	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-backward-codecs	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-benchmark	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-classification	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-codecs	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-core	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-demo	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-expressions	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-facet	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-grouping	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-highlighter	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-join	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-memory	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-misc	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-monitor	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-queries	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-queryparser	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-replicator	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-sandbox	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-spatial-extras	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-spatial3d	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-suggest	8.11.2.7.3.1.300-81
Lucene	org.apache.lucene	lucene-test-framework	8.11.2.7.3.1.300-81
Oozie	org.apache.oozie	oozie-client	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-core	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-distro	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-examples	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-fluent-job-api	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-fluent-job-client	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-server	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-distcp	5.1.0.7.3.1.300-81

Project	groupId	artifactId	version
Oozie	org.apache.oozie	oozie-sharelib-git	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-hcatalog	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-hive	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-hive2	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-oozie	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-spark3	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-sqoop	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-sharelib-streaming	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-tools	5.1.0.7.3.1.300-81
Oozie	org.apache.oozie	oozie-zookeeper-security-tests	5.1.0.7.3.1.300-81
ORC	org.apache.orc	orc-core	1.8.3.7.3.1.300-81
ORC	org.apache.orc	orc-examples	1.8.3.7.3.1.300-81
ORC	org.apache.orc	orc-mapreduce	1.8.3.7.3.1.300-81
ORC	org.apache.orc	orc-shims	1.8.3.7.3.1.300-81
ORC	org.apache.orc	orc-tools	1.8.3.7.3.1.300-81
Ozone	org.apache.ozone	hdds-annotation-processing	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-client	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-common	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-config	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-container-service	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-crypto-api	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-crypto-default	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-docs	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-erasurecode	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-hadoop-dependency-client	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-hadoop-dependency-server	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-hadoop-dependency-test	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-interface-admin	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-interface-client	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-interface-server	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-managed-rocksdb	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-rocks-native	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-server-framework	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-server-scm	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-test-utils	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	hdds-tools	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	mini-chaos-tests	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-client	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-common	1.4.0.7.3.1.300-81

Project	groupId	artifactId	version
Ozone	org.apache.ozone	ozone-csi	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-datanode	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-dist	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-filessystem	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-filessystem-common	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-filessystem-hadoop2	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-filessystem-hadoop3	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-filessystem-shaded	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-httpfsgateway	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-insight	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-integration-test	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-interface-client	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-interface-storage	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-manager	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-network-tests	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-recon	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-reconcodegen	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-s3-secret-store	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-s3gateway	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	ozone-tools	1.4.0.7.3.1.300-81
Ozone	org.apache.ozone	rocksdb-checkpoint-differ	1.4.0.7.3.1.300-81
Parquet	org.apache.parquet	parquet-avro	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-cascading	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-cascading3	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-column	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-common	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-encoding	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-format-structures	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-generator	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-hadoop	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-hadoop-bundle	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-jackson	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-pig	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-pig-bundle	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-protobuf	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-scala_2.12	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-thrift	1.12.3.7.3.1.300-81
Parquet	org.apache.parquet	parquet-tools	1.12.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-client-embedded-hbase-2.4	5.1.3.7.3.1.300-81

Project	groupId	artifactId	version
Phoenix	org.apache.phoenix	phoenix-client-hbase-2.4	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-core	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.1.6	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.2.5	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.3.0	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.0	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.1	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.0	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.4	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-pherf	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-queryserver	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-queryserver-client	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-queryserver-it	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-queryserver-load-balancer	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-queryserver-orchestrator	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-server-hbase-2.4	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix-tracing-webapp	5.1.3.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix5-hive	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix5-hive-shaded	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix5-spark3	6.0.0.7.3.1.300-81
Phoenix	org.apache.phoenix	phoenix5-spark3-shaded	6.0.0.7.3.1.300-81
Ranger	org.apache.ranger	conditions-enrichers	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	credentialbuilder	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	embeddedwebserver	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	jisql	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ldapconfigcheck	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-adls-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-atlas-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-atlas-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-authn	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-common-ha	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-distro	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-examples-distro	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-gs-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-hbase-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-hbase-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-hdfs-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-hdfs-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-hive-plugin	2.4.0.7.3.1.300-81

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-hive-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-intg	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kafka-connect-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kafka-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kafka-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kms	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kms-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kms-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-knox-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-knox-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kudu-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kylin-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-kylin-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-metrics	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-nifi-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-nifi-registry-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-ozone-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-ozone-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-plugin-classloader	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-plugins-audit	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-plugins-common	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-plugins-cred	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-plugins-installer	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-policymigration	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-adls	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-chained-plugins	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-hook-abfs	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-hook-s3	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-intg	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-processor	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-s3	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-raz-s3-lib	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-rms-common	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-rms-hive	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-rms-plugins-common	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-rms-tools	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-rms-webapp	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-s3-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-sampleapp-plugin	2.4.0.7.3.1.300-81

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-schema-registry-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-solr-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-solr-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-sqoop-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-sqoop-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-storm-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-storm-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-tagsync	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-tools	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-trino-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-util	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-yarn-plugin	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ranger-yarn-plugin-shim	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	sample-client	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	sampleapp	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	shaded-raz-hook-abfs	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	shaded-raz-hook-s3	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	ugsync-util	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	unixauthclient	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	unixauthservice	2.4.0.7.3.1.300-81
Ranger	org.apache.ranger	unixusersync	2.4.0.7.3.1.300-81
Solr	org.apache.solr	solr-analysis-extras	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-analytics	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-cell	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-core	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-dataimporthandler	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-dataimporthandler-extras	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-gcs-repository	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-jaegertracer-configurator	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-langid	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-ltr	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-prometheus-exporter	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-s3-repository	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-security-util	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-solrj	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-test-framework	8.11.2.7.3.1.300-81
Solr	org.apache.solr	solr-velocity	8.11.2.7.3.1.300-81
Spark	org.apache.spark	spark-avro_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-catalyst_2.12	3.5.4.7.3.1.300-81

Project	groupId	artifactId	version
Spark	org.apache.spark	spark-common-utils_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-connect-client-jvm_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-connect-common_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-connect_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-core_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-graphx_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-hadoop-cloud_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-hive_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-kubernetes_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-kvstore_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-launcher_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-mllib-local_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-mllib_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-network-common_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-network-shuffle_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-network-yarn_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-protobuf_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-repl_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-shaded-raz	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-sketch_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-sql-api_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-sql-kafka-0-10_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-sql_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-streaming-kafka-0-10-assembly_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-streaming-kafka-0-10_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-streaming_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-tags_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-token-provider-kafka-0-10_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-unsafe_2.12	3.5.4.7.3.1.300-81
Spark	org.apache.spark	spark-yarn_2.12	3.5.4.7.3.1.300-81
Sqoop	org.apache.sqoop	sqoop	1.4.7.7.3.1.300-81
Sqoop	org.apache.sqoop	sqoop-test	1.4.7.7.3.1.300-81
Tez	org.apache.tez	hadoop-shim	0.9.1.7.3.1.300-81
Tez	org.apache.tez	hadoop-shim-2.8	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-api	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-aux-services	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-common	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-dag	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-examples	0.9.1.7.3.1.300-81

Project	groupId	artifactId	version
Tez	org.apache.tez	tez-ext-service-tests	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-history-parser	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-javadoc-tools	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-job-analyzer	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-mapreduce	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-protobuf-history-plugin	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-runtime-internals	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-runtime-library	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-tests	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-yarn-timeline-cache-plugin	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-yarn-timeline-history	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-yarn-timeline-history-with-acls	0.9.1.7.3.1.300-81
Tez	org.apache.tez	tez-yarn-timeline-history-with-fs	0.9.1.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-angular	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-display	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-interpreter	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-jdbc	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-jupyter	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-livy	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-markdown	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-server	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-shaded-raz	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-shell	0.8.2.7.3.1.300-81
Zeppelin	org.apache.zeppelin	zeppelin-zengine	0.8.2.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-fatjar	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-loggraph	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-rest	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-zooinspector	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-it	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-jute	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-prometheus-metrics	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-election	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-lock	3.8.1.7.3.1.300-81
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-queue	3.8.1.7.3.1.300-81

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The following table lists the project name, groupId, artifactId, and version required to access each RUNTIME artifact.

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-authorization	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-aws-s3-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-azure-adls-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-classification-updater	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-client-common	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-client-v1	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-client-v2	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-client-v2-shaded	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-common	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-distro	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-docs	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-graphdb-api	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-graphdb-common	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-graphdb-janus	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-hdfs-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-index-repair-tool	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-intg	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-janusgraph-hbase2	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-notification	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-plugin-classloader	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-repository	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-server-api	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	atlas-testtools	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hbase-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hbase-bridge-shim	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hbase-testing-util	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hdfs-model	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hive-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	hive-bridge-shim	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	impala-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	impala-bridge-shim	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	impala-hook-api	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	kafka-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	kafka-bridge-shim	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	navigator-to-atlas	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	sample-app	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	sqoop-bridge	2.1.0.7.3.1.200-90
Atlas	org.apache.atlas	sqoop-bridge-shim	2.1.0.7.3.1.200-90
Avro	org.apache.avro	avro	1.11.1.7.3.1.200-90

Project	groupId	artifactId	version
Avro	org.apache.avro	avro-android	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-codegen-test	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-compiler	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-grpc	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-ipc	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-ipc-jetty	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-ipc-netty	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-mapred	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-maven-plugin	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-perf	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-protobuf	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-service-archetype	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-test-custom-conversions	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-thrift	1.11.1.7.3.1.200-90
Avro	org.apache.avro	avro-tools	1.11.1.7.3.1.200-90
Avro	org.apache.avro	trevni-avro	1.11.1.7.3.1.200-90
Avro	org.apache.avro	trevni-core	1.11.1.7.3.1.200-90
Calcite	org.apache.calcite	calcite-babel	1.25.0.7.3.1.200-90
Calcite	org.apache.calcite	calcite-core	1.25.0.7.3.1.200-90
Calcite	org.apache.calcite	calcite-druid	1.25.0.7.3.1.200-90
Calcite	org.apache.calcite	calcite-linq4j	1.25.0.7.3.1.200-90
Calcite	org.apache.calcite	calcite-server	1.25.0.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-aliyun	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-annotations	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-archive-logs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-archives	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-assemblies	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-auth	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-aws	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-azure	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-azure-datalake	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-benchmark	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-build-tools	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-client	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-client-api	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-client-integration-tests	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-client-minicluster	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-client-runtime	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-cloud-storage	3.1.1.7.3.1.200-90

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-common	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-datajoin	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-distcp	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-extras	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-fs2img	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-gridmix	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs-client	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs-httpfs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs-native-client	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs-nfs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-hdfs-rbf	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-kafka	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-kms	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-app	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-common	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-core	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs-plugins	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-jobclient	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-nativetask	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-shuffle	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-uploader	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-mapreduce-examples	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-maven-plugins	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-minicluster	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-minikdc	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-nfs	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-openstack	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-resourceestimator	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-rumen	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-sls	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-streaming	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-tools-dist	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-api	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-applications-distributedshell	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-applications-unmanaged-am-launcher	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-client	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-common	3.1.1.7.3.1.200-90

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-yarn-registry	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-applicationhistoryservice	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-common	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-nodemanager	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-resourcemanager	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-router	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-sharedcachemanager	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-tests	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timeline-pluginstorage	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-client	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-common	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-server-2	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-tests	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-server-web-proxy	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-services-api	3.1.1.7.3.1.200-90
Hadoop	org.apache.hadoop	hadoop-yarn-services-core	3.1.1.7.3.1.200-90
HBase	org.apache.hbase	hbase-annotations	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-asyncfs	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-checkstyle	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-client	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-client-project	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-common	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-endpoint	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-examples	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-external-blockcache	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-hadoop-compat	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-hadoop2-compat	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-hbtop	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-http	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-it	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-logging	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-mapreduce	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-metrics	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-metrics-api	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-procedure	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-protocol	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-protocol-shaded	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-replication	2.4.17.7.3.1.200-90

Project	groupId	artifactId	version
HBase	org.apache.hbase	hbase-resource-bundle	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-rest	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-rsgroup	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-server	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-client	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-client-byo-hadoop	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-client-project	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-mapreduce	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-testing-util	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shaded-testing-util-tester	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-shell	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-testing-util	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-thrift	2.4.17.7.3.1.200-90
HBase	org.apache.hbase	hbase-zookeeper	2.4.17.7.3.1.200-90
Hive	org.apache.hive	catalogd-unit	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-beeline	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-blobstore	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-classification	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-cli	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-common	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-contrib	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-exec	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-hbase-handler	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-hcatalog-it-unit	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-hplsql	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-iceberg-catalog	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-iceberg-handler	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-iceberg-shading	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-impala	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-custom-serde	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-iceberg	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-impala	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-minikdc	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-qfile	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-qfile-kudu	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-test-serde	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-unit	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-unit-hadoop2	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-it-util	3.1.3000.7.3.1.200-90

Project	groupId	artifactId	version
Hive	org.apache.hive	hive-jdbc	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-jdbc-handler	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-jmh	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-kudu-handler	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-llap-client	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-llap-common	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-llap-ext-client	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-llap-server	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-llap-tez	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-metastore	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-parser	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-pre-upgrade	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-serde	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-service	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-service-rpc	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-shims	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-standalone-metastore	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-storage-api	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-streaming	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-testutils	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-udf	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	hive-vector-code-gen	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	kafka-handler	3.1.3000.7.3.1.200-90
Hive	org.apache.hive	patched-iceberg-api	patched-1.3.1.7.3.1.200-90-3.1.3000.
Hive	org.apache.hive	patched-iceberg-core	patched-1.3.1.7.3.1.200-90-3.1.3000.
Hive Warehouse Connector	com.hortonworks.hive	hive-warehouse-connector-spark3_2.12	1.0.0.7.3.1.200-90
Kafka	org.apache.kafka	ci	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-api	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-basic-auth-extension	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-cloudera-authorization-extension	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-cloudera-common	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-cloudera-secret-storage	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-cloudera-security-policies	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-file	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-json	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-mirror	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-mirror-client	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	connect-runtime	3.4.1.7.3.1.200-90

Project	groupId	artifactId	version
Kafka	org.apache.kafka	connect-transforms	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	generator	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-clients	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.12	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.13	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-cloudera-plugins	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-examples	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-group-coordinator	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-log4j-appender	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-metadata	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-raft	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-server-common	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-shell	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-storage	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-storage-api	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-examples	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-scala_2.12	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-scala_2.13	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-test-utils	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0100	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0101	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0102	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0110	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-10	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-11	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-20	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-21	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-22	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-23	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-24	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-25	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-26	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-27	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-28	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-30	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-31	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-32	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-33	3.4.1.7.3.1.200-90

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Kafka	org.apache.kafka	kafka-tools	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka_2.12	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	kafka_2.13	3.4.1.7.3.1.200-90
Kafka	org.apache.kafka	trogdor	3.4.1.7.3.1.200-90
Knox	org.apache.knox	gateway-adapter	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-admin-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-applications	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-cloud-bindings	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-demo-ldap	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-demo-ldap-launcher	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-discovery-ambari	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-discovery-cm	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-docker	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-i18n	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-i18n-logging-log4j	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-i18n-logging-slf4j	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-openapi-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-performance-test	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-ha	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-common	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-concat	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-hadoop-groups	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-no-does	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-pseudo	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-regex	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-identity-assertion-switchcase	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-jersey	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-common	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-func-hostmap-static	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-func-inbound-query-param	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-func-service-registry	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-step-encrypt-uri	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-rewrite-step-secure-query	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-authc-anon	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-authz-acls	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-authz-composite	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-authz-path-acls	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-clientcert	2.0.0.7.3.1.200-90

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Knox	org.apache.knox	gateway-provider-security-hadoopauth	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-jwt	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-pac4j	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-preauth	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-shiro	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-provider-security-webappsec	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-release	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-server	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-server-launcher	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-server-xforwarded-filter	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-admin	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-as	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-auth	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-definitions	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-hashicorp-vault	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-hbase	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-health	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-hive	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-idbroker	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-idbroker-plugins	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-impala	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-jkg	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-knoxsso	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-knoxsout	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-knoxtoken	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-livy	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-metadata	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-nifi	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-nifi-registry	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-remoteconfig	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-rm	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-session	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-storm	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-test	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-tgs	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-vault	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-service-webhdfs	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-shell	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-shell-launcher	2.0.0.7.3.1.200-90

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-shell-release	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-shell-samples	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-spi	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-spi-common	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-test	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-test-idbroker	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-test-release-utils	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-test-utils	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-topology-hadoop-xml	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-topology-simple	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-util-common	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-util-configinjector	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-util-launcher	2.0.0.7.3.1.200-90
Knox	org.apache.knox	gateway-util-urltemplate	2.0.0.7.3.1.200-90
Knox	org.apache.knox	hadoop-examples	2.0.0.7.3.1.200-90
Knox	org.apache.knox	knox-cli-launcher	2.0.0.7.3.1.200-90
Knox	org.apache.knox	knox-homepage-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	knox-token-generation-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	knox-token-management-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	knox-webshell-ui	2.0.0.7.3.1.200-90
Knox	org.apache.knox	webhdfs-kerb-test	2.0.0.7.3.1.200-90
Knox	org.apache.knox	webhdfs-test	2.0.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-backup-tools	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-backup3_2.12	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-client	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-hive	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-spark3-tools_2.12	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-spark3_2.12	1.17.0.7.3.1.200-90
Kudu	org.apache.kudu	kudu-test-utils	1.17.0.7.3.1.200-90
Livy	org.apache.livy	livy-api	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-client-common	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-client-http	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-core_2.12	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-examples	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-integration-test	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-repl_2.12	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-rsc	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-scala-api_2.12	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-server	0.7.23000.7.3.1.200-90

Project	groupId	artifactId	version
Livy	org.apache.livy	livy-test-lib	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-thriftserver	0.7.23000.7.3.1.200-90
Livy	org.apache.livy	livy-thriftserver-session	0.7.23000.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-common	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-icu	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-kuromoji	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-morfologik	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-nori	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-openslp	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-phonetic	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-smarten	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-analyzers-stempel	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-backward-codecs	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-benchmark	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-classification	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-codecs	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-core	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-demo	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-expressions	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-facet	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-grouping	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-highlighter	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-join	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-memory	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-misc	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-monitor	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-queries	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-queryparser	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-replicator	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-sandbox	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-spatial-extras	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-spatial3d	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-suggest	8.11.2.7.3.1.200-90
Lucene	org.apache.lucene	lucene-test-framework	8.11.2.7.3.1.200-90
Oozie	org.apache.oozie	oozie-client	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-core	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-distro	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-examples	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-fluent-job-api	5.1.0.7.3.1.200-90

Project	groupId	artifactId	version
Oozie	org.apache.oozie	oozie-fluent-job-client	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-server	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-distcp	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-git	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-hcatalog	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-hive	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-hive2	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-oozie	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-spark3	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-sqoop	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-sharelib-streaming	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-tools	5.1.0.7.3.1.200-90
Oozie	org.apache.oozie	oozie-zookeeper-security-tests	5.1.0.7.3.1.200-90
ORC	org.apache.orc	orc-core	1.8.3.7.3.1.200-90
ORC	org.apache.orc	orc-examples	1.8.3.7.3.1.200-90
ORC	org.apache.orc	orc-mapreduce	1.8.3.7.3.1.200-90
ORC	org.apache.orc	orc-shims	1.8.3.7.3.1.200-90
ORC	org.apache.orc	orc-tools	1.8.3.7.3.1.200-90
Ozone	org.apache.ozone	hdds-annotation-processing	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-client	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-common	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-config	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-container-service	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-crypto-api	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-crypto-default	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-docs	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-erasurecode	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-hadoop-dependency-client	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-hadoop-dependency-server	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-hadoop-dependency-test	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-interface-admin	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-interface-client	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-interface-server	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-managed-rocksdb	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-rocks-native	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-server-framework	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-server-scm	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-test-utils	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	hdds-tools	1.4.0.7.3.1.200-90

Project	groupId	artifactId	version
Ozone	org.apache.ozone	mini-chaos-tests	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-client	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-common	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-csi	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-datanode	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-dist	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-fsfilesystem	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-fsfilesystem-common	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-fsfilesystem-hadoop2	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-fsfilesystem-hadoop3	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-fsfilesystem-shaded	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-httpfsgateway	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-insight	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-integration-test	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-interface-client	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-interface-storage	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-manager	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-network-tests	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-recon	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-reconcodegen	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-s3-secret-store	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-s3gateway	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	ozone-tools	1.4.0.7.3.1.200-90
Ozone	org.apache.ozone	rocksdb-checkpoint-differ	1.4.0.7.3.1.200-90
Parquet	org.apache.parquet	parquet-avro	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-cascading	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-cascading3	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-column	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-common	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-encoding	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-format-structures	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-generator	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-hadoop	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-hadoop-bundle	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-jackson	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-pig	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-pig-bundle	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-protobuf	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-scala_2.12	1.12.3.7.3.1.200-90

Project	groupId	artifactId	version
Parquet	org.apache.parquet	parquet-thrift	1.12.3.7.3.1.200-90
Parquet	org.apache.parquet	parquet-tools	1.12.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-client-embedded-hbase-2.4	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-client-hbase-2.4	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-core	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.1.6	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.2.5	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.3.0	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.0	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.1	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.0	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.4	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-pherf	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-queryserver	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-queryserver-client	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-queryserver-it	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-queryserver-load-balancer	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-queryserver-orchestrator	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-server-hbase-2.4	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix-tracing-webapp	5.1.3.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix5-hive	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix5-hive-shaded	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix5-spark3	6.0.0.7.3.1.200-90
Phoenix	org.apache.phoenix	phoenix5-spark3-shaded	6.0.0.7.3.1.200-90
Ranger	org.apache.ranger	conditions-enrichers	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	credentialbuilder	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	embeddedwebserver	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	jisql	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ldapconfigcheck	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-adls-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-atlas-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-atlas-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-authn	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-common-ha	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-distro	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-examples-distro	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-gs-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-hbase-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-hbase-plugin-shim	2.4.0.7.3.1.200-90

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-hdfs-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-hdfs-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-hive-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-hive-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-intg	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kafka-connect-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kafka-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kafka-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kms	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kms-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kms-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-knox-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-knox-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kudu-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kylin-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-kylin-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-metrics	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-nifi-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-nifi-registry-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-ozone-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-ozone-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-plugin-classloader	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-plugins-audit	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-plugins-common	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-plugins-cred	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-plugins-installer	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-policymigration	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-adls	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-chained-plugins	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-hook-abfs	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-hook-s3	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-intg	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-processor	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-s3	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-raz-s3-lib	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-rms-common	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-rms-hive	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-rms-plugins-common	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-rms-tools	2.4.0.7.3.1.200-90

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-rms-webapp	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-s3-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-sampleapp-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-schema-registry-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-solr-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-solr-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-sqoop-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-sqoop-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-storm-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-storm-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-tagsync	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-tools	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-trino-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-util	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-yarn-plugin	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ranger-yarn-plugin-shim	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	sample-client	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	sampleapp	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	shaded-raz-hook-abfs	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	shaded-raz-hook-s3	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	ugsync-util	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	unixauthclient	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	unixauthservice	2.4.0.7.3.1.200-90
Ranger	org.apache.ranger	unixusersync	2.4.0.7.3.1.200-90
Solr	org.apache.solr	solr-analysis-extras	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-analytics	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-cell	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-core	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-dataimporthandler	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-dataimporthandler-extras	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-gcs-repository	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-jaegertracer-configurator	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-langid	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-ltr	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-prometheus-exporter	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-s3-repository	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-security-util	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-solrj	8.11.2.7.3.1.200-90
Solr	org.apache.solr	solr-test-framework	8.11.2.7.3.1.200-90

Project	groupId	artifactId	version
Solr	org.apache.solr	solr-velocity	8.11.2.7.3.1.200-90
Spark	org.apache.spark	spark-avro_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-catalyst_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-common-utils_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-connect-client-jvm_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-connect-common_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-connect_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-core_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-graphx_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-hadoop-cloud_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-hive_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-kubernetes_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-kvstore_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-launcher_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-mllib-local_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-mllib_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-network-common_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-network-shuffle_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-network-yarn_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-protobuf_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-repl_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-shaded-raz	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-sketch_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-sql-api_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-sql-kafka-0-10_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-sql_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-streaming-kafka-0-10-assembly_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-streaming-kafka-0-10_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-streaming_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-tags_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-token-provider-kafka-0-10_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-unsafe_2.12	3.5.4.7.3.1.200-90
Spark	org.apache.spark	spark-yarn_2.12	3.5.4.7.3.1.200-90
Sqoop	org.apache.sqoop	sqoop	1.4.7.7.3.1.200-90
Sqoop	org.apache.sqoop	sqoop-test	1.4.7.7.3.1.200-90
Tez	org.apache.tez	hadoop-shim	0.9.1.7.3.1.200-90
Tez	org.apache.tez	hadoop-shim-2.8	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-api	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-aux-services	0.9.1.7.3.1.200-90

Project	groupId	artifactId	version
Tez	org.apache.tez	tez-common	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-dag	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-examples	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-ext-service-tests	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-history-parser	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-javadoc-tools	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-job-analyzer	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-mapreduce	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-protobuf-history-plugin	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-runtime-internals	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-runtime-library	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-tests	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-yarn-timeline-cache-plugin	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-yarn-timeline-history	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-yarn-timeline-history-with-acls	0.9.1.7.3.1.200-90
Tez	org.apache.tez	tez-yarn-timeline-history-with-fs	0.9.1.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-angular	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-display	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-interpreter	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-jdbc	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-jupyter	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-livy	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-markdown	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-server	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-shaded-raz	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-shell	0.8.2.7.3.1.200-90
Zeppelin	org.apache.zeppelin	zeppelin-zengine	0.8.2.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-fatjar	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-loggraph	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-rest	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-zooinspector	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-it	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-jute	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-prometheus-metrics	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-election	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-lock	3.8.1.7.3.1.200-90
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-queue	3.8.1.7.3.1.200-90

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The following table lists the project name, groupId, artifactId, and version required to access each RUNTIME artifact.

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-authorization	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-aws-s3-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-azure-adls-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-classification-updater	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-client-common	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-client-v1	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-client-v2	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-client-v2-shaded	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-common	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-distro	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-docs	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-graphdb-api	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-graphdb-common	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-graphdb-janus	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-hdfs-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-index-repair-tool	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-intg	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-janusgraph-hbase2	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-notification	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-plugin-classloader	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-repository	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-server-api	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	atlas-testtools	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hbase-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hbase-bridge-shim	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hbase-testing-util	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hdfs-model	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hive-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	hive-bridge-shim	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	impala-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	impala-bridge-shim	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	impala-hook-api	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	kafka-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	kafka-bridge-shim	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	navigator-to-atlas	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	sample-app	2.1.0.7.3.1.100-57

Project	groupId	artifactId	version
Atlas	org.apache.atlas	sqoop-bridge	2.1.0.7.3.1.100-57
Atlas	org.apache.atlas	sqoop-bridge-shim	2.1.0.7.3.1.100-57
Avro	org.apache.avro	avro	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-android	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-codegen-test	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-compiler	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-grpc	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-ipc	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-ipc-jetty	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-ipc-netty	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-mapred	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-maven-plugin	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-perf	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-protobuf	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-service-archetype	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-test-custom-conversions	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-thrift	1.11.1.7.3.1.100-57
Avro	org.apache.avro	avro-tools	1.11.1.7.3.1.100-57
Avro	org.apache.avro	trevni-avro	1.11.1.7.3.1.100-57
Avro	org.apache.avro	trevni-core	1.11.1.7.3.1.100-57
Calcite	org.apache.calcite	calcite-babel	1.25.0.7.3.1.100-57
Calcite	org.apache.calcite	calcite-core	1.25.0.7.3.1.100-57
Calcite	org.apache.calcite	calcite-druid	1.25.0.7.3.1.100-57
Calcite	org.apache.calcite	calcite-linq4j	1.25.0.7.3.1.100-57
Calcite	org.apache.calcite	calcite-server	1.25.0.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-aliyun	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-annotations	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-archive-logs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-archives	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-assemblies	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-auth	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-aws	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-azure	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-azure-datalake	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-benchmark	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-build-tools	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-client	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-client-api	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-client-integration-tests	3.1.1.7.3.1.100-57

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-client-minicluster	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-client-runtime	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-cloud-storage	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-common	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-datajoin	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-distcp	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-extras	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-fs2img	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-gridmix	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs-client	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs-httpfs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs-native-client	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs-nfs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-hdfs-rbf	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-kafka	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-kms	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-app	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-common	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-core	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs-plugins	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-jobclient	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-nativetask	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-shuffle	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-uploader	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-mapreduce-examples	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-maven-plugins	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-minicluster	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-minikdc	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-nfs	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-openstack	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-resourceestimator	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-rumen	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-sls	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-streaming	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-tools-dist	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-api	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-applications-distributedshell	3.1.1.7.3.1.100-57

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-yarn-applications-unmanaged-am-launcher	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-client	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-common	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-registry	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-applicationhistoryservice	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-common	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-nodemanager	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-resourcemanager	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-router	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-sharedcachemanager	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-tests	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timeline-pluginstorage	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-client	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-common	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-server-2	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-timelineservice-hbase-tests	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-server-web-proxy	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-services-api	3.1.1.7.3.1.100-57
Hadoop	org.apache.hadoop	hadoop-yarn-services-core	3.1.1.7.3.1.100-57
HBase	org.apache.hbase	hbase-annotations	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-asyncfs	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-checkstyle	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-client	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-client-project	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-common	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-endpoint	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-examples	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-external-blockcache	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-hadoop-compat	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-hadoop2-compat	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-hbtop	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-http	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-it	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-logging	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-mapreduce	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-metrics	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-metrics-api	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-procedure	2.4.17.7.3.1.100-57

Project	groupId	artifactId	version
HBase	org.apache.hbase	hbase-protocol	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-protocol-shaded	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-replication	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-resource-bundle	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-rest	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-rsgroup	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-server	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-client	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-client-byo-hadoop	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-client-project	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-mapreduce	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-testing-util	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shaded-testing-util-tester	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-shell	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-testing-util	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-thrift	2.4.17.7.3.1.100-57
HBase	org.apache.hbase	hbase-zookeeper	2.4.17.7.3.1.100-57
Hive	org.apache.hive	catalogd-unit	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-beeline	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-blobstore	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-classification	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-cli	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-common	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-contrib	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-exec	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-hbase-handler	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-hcatalog-it-unit	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-hplsql	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-iceberg-catalog	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-iceberg-handler	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-iceberg-shading	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-impala	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-custom-serde	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-iceberg	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-impala	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-minikdc	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-qfile	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-qfile-kudu	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-test-serde	3.1.3000.7.3.1.100-57

Project	groupId	artifactId	version
Hive	org.apache.hive	hive-it-unit	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-unit-hadoop2	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-it-util	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-jdbc	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-jdbc-handler	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-jmh	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-kudu-handler	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-llap-client	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-llap-common	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-llap-ext-client	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-llap-server	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-llap-tez	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-metastore	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-parser	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-pre-upgrade	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-serde	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-service	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-service-rpc	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-shims	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-standalone-metastore	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-storage-api	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-streaming	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-testutils	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-udf	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	hive-vector-code-gen	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	kafka-handler	3.1.3000.7.3.1.100-57
Hive	org.apache.hive	patched-iceberg-api	patched-1.3.1.7.3.1.100-57-3.1.3000.
Hive	org.apache.hive	patched-iceberg-core	patched-1.3.1.7.3.1.100-57-3.1.3000.
Hive Warehouse Connector	com.hortonworks.hive	hive-warehouse-connector-spark3_2.12	1.0.0.7.3.1.100-57
Kafka	org.apache.kafka	ci	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-api	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-basic-auth-extension	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-cloudera-authorization-extension	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-cloudera-common	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-cloudera-secret-storage	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-cloudera-security-policies	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-file	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-json	3.4.1.7.3.1.100-57

Project	groupId	artifactId	version
Kafka	org.apache.kafka	connect-mirror	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-mirror-client	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-runtime	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	connect-transforms	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	generator	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-clients	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.12	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-cloudera-metrics-reporter_2.13	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-cloudera-plugins	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-examples	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-group-coordinator	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-log4j-appender	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-metadata	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-raft	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-server-common	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-shell	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-storage	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-storage-api	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-examples	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-scala_2.12	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-scala_2.13	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-test-utils	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0100	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0101	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0102	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-0110	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-10	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-11	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-20	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-23	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-24	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-25	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-26	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-27	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-28	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-30	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-31	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-32	3.4.1.7.3.1.100-57

Project	groupId	artifactId	version
Kafka	org.apache.kafka	kafka-streams-upgrade-system-tests-33	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka-tools	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	kafka_2.13	3.4.1.7.3.1.100-57
Kafka	org.apache.kafka	trogdor	3.4.1.7.3.1.100-57
Knox	org.apache.knox	gateway-adapter	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-admin-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-applications	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-cloud-bindings	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-demo-ldap	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-demo-ldap-launcher	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-discovery-ambari	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-discovery-cm	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-docker	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-i18n	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-i18n-logging-log4j	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-i18n-logging-slf4j	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-openapi-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-performance-test	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-ha	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-common	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-concat	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-hadoop-groups	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-no-does	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-pseudo	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-regex	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-identity-assertion-switchcase	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-jersey	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-common	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-func-hostmap-static	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-func-inbound-query-param	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-func-service-registry	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-step-encrypt-uri	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-rewrite-step-secure-query	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-authc-anon	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-authz-acls	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-authz-composite	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-authz-path-acls	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-clientcert	2.0.0.7.3.1.100-57

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-provider-security-hadoopauth	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-jwt	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-pac4j	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-preauth	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-shiro	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-provider-security-webappsec	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-release	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-server	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-server-launcher	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-server-xforwarded-filter	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-admin	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-as	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-auth	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-definitions	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-hashicorp-vault	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-hbase	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-health	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-hive	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-idbroker	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-idbroker-plugins	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-impala	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-jkg	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-knoxsso	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-knoxsout	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-knoxtoken	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-livy	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-metadata	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-nifi	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-nifi-registry	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-remoteconfig	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-rm	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-session	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-storm	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-test	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-tgs	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-vault	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-service-webhdfs	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-shell	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-shell-launcher	2.0.0.7.3.1.100-57

Project	groupId	artifactId	version
Knox	org.apache.knox	gateway-shell-release	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-shell-samples	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-spi	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-spi-common	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-test	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-test-idbroker	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-test-release-utils	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-test-utils	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-topology-hadoop-xml	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-topology-simple	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-util-common	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-util-configinjector	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-util-launcher	2.0.0.7.3.1.100-57
Knox	org.apache.knox	gateway-util-urltemplate	2.0.0.7.3.1.100-57
Knox	org.apache.knox	hadoop-examples	2.0.0.7.3.1.100-57
Knox	org.apache.knox	knox-cli-launcher	2.0.0.7.3.1.100-57
Knox	org.apache.knox	knox-homepage-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	knox-token-generation-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	knox-token-management-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	knox-webshell-ui	2.0.0.7.3.1.100-57
Knox	org.apache.knox	webhdfs-kerb-test	2.0.0.7.3.1.100-57
Knox	org.apache.knox	webhdfs-test	2.0.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-backup-tools	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-backup3_2.12	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-client	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-hive	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-spark3-tools_2.12	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-spark3_2.12	1.17.0.7.3.1.100-57
Kudu	org.apache.kudu	kudu-test-utils	1.17.0.7.3.1.100-57
Livy	org.apache.livy	livy-api	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-client-common	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-client-http	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-core_2.12	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-examples	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-integration-test	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-repl_2.12	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-rsc	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-scala-api_2.12	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-server	0.7.23000.7.3.1.100-57

Project	groupId	artifactId	version
Livy	org.apache.livy	livy-test-lib	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-thriftserver	0.7.23000.7.3.1.100-57
Livy	org.apache.livy	livy-thriftserver-session	0.7.23000.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-common	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-icu	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-kuromoji	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-morfologik	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-nori	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-openslp	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-phonetic	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-smarten	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-analyzers-stempel	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-backward-codecs	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-benchmark	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-classification	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-codecs	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-core	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-demo	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-expressions	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-facet	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-grouping	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-highlighter	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-join	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-memory	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-misc	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-monitor	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-queries	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-queryparser	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-replicator	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-sandbox	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-spatial-extras	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-spatial3d	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-suggest	8.11.2.7.3.1.100-57
Lucene	org.apache.lucene	lucene-test-framework	8.11.2.7.3.1.100-57
Oozie	org.apache.oozie	oozie-client	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-core	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-distro	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-examples	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-fluent-job-api	5.1.0.7.3.1.100-57

Project	groupId	artifactId	version
Oozie	org.apache.oozie	oozie-fluent-job-client	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-server	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-distcp	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-git	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-hcatalog	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-hive	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-hive2	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-oozie	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-spark3	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-sqoop	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-sharelib-streaming	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-tools	5.1.0.7.3.1.100-57
Oozie	org.apache.oozie	oozie-zookeeper-security-tests	5.1.0.7.3.1.100-57
ORC	org.apache.orc	orc-core	1.8.3.7.3.1.100-57
ORC	org.apache.orc	orc-examples	1.8.3.7.3.1.100-57
ORC	org.apache.orc	orc-mapreduce	1.8.3.7.3.1.100-57
ORC	org.apache.orc	orc-shims	1.8.3.7.3.1.100-57
ORC	org.apache.orc	orc-tools	1.8.3.7.3.1.100-57
Ozone	org.apache.ozone	hdds-annotation-processing	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-client	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-common	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-config	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-container-service	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-crypto-api	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-crypto-default	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-docs	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-erasurecode	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-hadoop-dependency-client	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-hadoop-dependency-server	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-hadoop-dependency-test	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-interface-admin	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-interface-client	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-interface-server	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-managed-rocksdbs	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-rocks-native	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-server-framework	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-server-scm	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-test-utils	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	hdds-tools	1.4.0.7.3.1.100-57

Project	groupId	artifactId	version
Ozone	org.apache.ozone	mini-chaos-tests	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-client	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-common	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-csi	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-datanode	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-dist	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-fsfilesystem	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-fsfilesystem-common	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-fsfilesystem-hadoop2	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-fsfilesystem-hadoop3	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-fsfilesystem-shaded	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-httpfsgateway	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-insight	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-integration-test	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-interface-client	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-interface-storage	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-manager	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-network-tests	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-recon	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-reconcodegen	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-s3-secret-store	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-s3gateway	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	ozone-tools	1.4.0.7.3.1.100-57
Ozone	org.apache.ozone	rocksdb-checkpoint-differ	1.4.0.7.3.1.100-57
Parquet	org.apache.parquet	parquet-avro	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-cascading	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-cascading3	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-column	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-common	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-encoding	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-format-structures	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-generator	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-hadoop	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-hadoop-bundle	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-jackson	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-pig	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-pig-bundle	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-protobuf	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-scala_2.12	1.12.3.7.3.1.100-57

Project	groupId	artifactId	version
Parquet	org.apache.parquet	parquet-thrift	1.12.3.7.3.1.100-57
Parquet	org.apache.parquet	parquet-tools	1.12.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-client-embedded-hbase-2.4	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-client-hbase-2.4	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-core	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.1.6	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.2.5	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.3.0	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.0	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.1	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.0	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.4	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-pherf	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-queryserver	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-queryserver-client	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-queryserver-it	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-queryserver-load-balancer	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-queryserver-orchestrator	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-server-hbase-2.4	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix-tracing-webapp	5.1.3.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix5-hive	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix5-hive-shaded	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix5-spark3	6.0.0.7.3.1.100-57
Phoenix	org.apache.phoenix	phoenix5-spark3-shaded	6.0.0.7.3.1.100-57
Ranger	org.apache.ranger	conditions-enrichers	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	credentialbuilder	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	embeddedwebserver	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	jisql	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ldapconfigcheck	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-adls-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-atlas-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-atlas-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-authn	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-common-ha	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-distro	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-examples-distro	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-gs-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-hbase-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-hbase-plugin-shim	2.4.0.7.3.1.100-57

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-hdfs-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-hdfs-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-hive-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-hive-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-intg	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kafka-connect-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kafka-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kafka-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kms	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kms-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kms-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-knox-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-knox-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kudu-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kylin-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-kylin-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-metrics	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-nifi-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-nifi-registry-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-ozone-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-ozone-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-plugin-classloader	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-plugins-audit	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-plugins-common	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-plugins-cred	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-plugins-installer	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-policymigration	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-adls	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-chained-plugins	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-hook-abfs	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-hook-s3	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-intg	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-processor	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-s3	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-raz-s3-lib	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-rms-common	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-rms-hive	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-rms-plugins-common	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-rms-tools	2.4.0.7.3.1.100-57

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-rms-webapp	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-s3-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-sampleapp-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-schema-registry-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-solr-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-solr-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-sqoop-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-sqoop-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-storm-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-storm-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-tagsync	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-tools	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-trino-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-util	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-yarn-plugin	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ranger-yarn-plugin-shim	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	sample-client	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	sampleapp	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	shaded-raz-hook-abfs	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	shaded-raz-hook-s3	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	ugsync-util	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	unixauthclient	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	unixauthservice	2.4.0.7.3.1.100-57
Ranger	org.apache.ranger	unixusersync	2.4.0.7.3.1.100-57
Solr	org.apache.solr	solr-analysis-extras	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-analytics	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-cell	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-core	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-dataimporthandler	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-dataimporthandler-extras	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-gcs-repository	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-jaegertracer-configurator	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-langid	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-ltr	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-prometheus-exporter	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-s3-repository	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-security-util	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-solrj	8.11.2.7.3.1.100-57
Solr	org.apache.solr	solr-test-framework	8.11.2.7.3.1.100-57

Project	groupId	artifactId	version
Solr	org.apache.solr	solr-velocity	8.11.2.7.3.1.100-57
Spark	org.apache.spark	spark-avro_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-catalyst_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-connect-client-jvm_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-connect-common_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-connect_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-core_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-graphx_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-hadoop-cloud_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-hive_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-kubernetes_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-kvstore_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-launcher_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-mllib-local_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-mllib_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-network-common_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-network-shuffle_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-network-yarn_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-protobuf_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-repl_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-shaded-raz	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-sketch_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-sql-kafka-0-10_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-sql_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-streaming-kafka-0-10-assembly_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-streaming-kafka-0-10_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-streaming_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-tags_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-token-provider-kafka-0-10_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-unsafe_2.12	3.4.1.7.3.1.100-57
Spark	org.apache.spark	spark-yarn_2.12	3.4.1.7.3.1.100-57
Sqoop	org.apache.sqoop	sqoop	1.4.7.7.3.1.100-57
Sqoop	org.apache.sqoop	sqoop-test	1.4.7.7.3.1.100-57
Tez	org.apache.tez	hadoop-shim	0.9.1.7.3.1.100-57
Tez	org.apache.tez	hadoop-shim-2.8	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-api	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-aux-services	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-common	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-dag	0.9.1.7.3.1.100-57

Project	groupId	artifactId	version
Tez	org.apache.tez	tez-examples	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-ext-service-tests	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-history-parser	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-javadoc-tools	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-job-analyzer	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-mapreduce	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-protobuf-history-plugin	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-runtime-internals	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-runtime-library	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-tests	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-yarn-timeline-cache-plugin	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-yarn-timeline-history	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-yarn-timeline-history-with-acls	0.9.1.7.3.1.100-57
Tez	org.apache.tez	tez-yarn-timeline-history-with-fs	0.9.1.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-angular	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-display	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-interpreter	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-jdbc	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-jupyter	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-livy	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-markdown	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-server	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-shaded-raz	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-shell	0.8.2.7.3.1.100-57
Zeppelin	org.apache.zeppelin	zeppelin-zengine	0.8.2.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-fatjar	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-loggraph	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-rest	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-zooinspector	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-it	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-jute	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-prometheus-metrics	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-election	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-lock	3.8.1.7.3.1.100-57
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-queue	3.8.1.7.3.1.100-57

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The following table lists the project name, groupId, artifactId, and version required to access each RUNTIME artifact.

Project	groupId	artifactId	version
Atlas	org.apache.atlas	atlas-authorization	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-aws-s3-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-azure-adls-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-classification-updater	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-client-common	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-client-v1	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-client-v2	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-client-v2-shaded	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-common	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-distro	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-docs	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-graphdb-api	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-graphdb-common	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-graphdb-janus	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-hdfs-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-index-repair-tool	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-intg	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-janusgraph-hbase2	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-notification	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-plugin-classloader	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-repository	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-server-api	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	atlas-testtools	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hbase-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hbase-bridge-shim	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hbase-testing-util	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hdfs-model	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hive-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	hive-bridge-shim	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	impala-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	impala-bridge-shim	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	impala-hook-api	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	kafka-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	kafka-bridge-shim	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	navigator-to-atlas	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	sample-app	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	sqoop-bridge	2.1.0.7.3.1.0-197
Atlas	org.apache.atlas	sqoop-bridge-shim	2.1.0.7.3.1.0-197
Avro	org.apache.avro	avro	1.11.1.7.3.1.0-197

Project	groupId	artifactId	version
Avro	org.apache.avro	avro-android	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-codegen-test	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-compiler	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-grpc	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-ipc	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-ipc-jetty	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-ipc-netty	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-mapred	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-maven-plugin	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-perf	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-protobuf	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-service-archetype	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-test-custom-conversions	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-thrift	1.11.1.7.3.1.0-197
Avro	org.apache.avro	avro-tools	1.11.1.7.3.1.0-197
Avro	org.apache.avro	trevni-avro	1.11.1.7.3.1.0-197
Avro	org.apache.avro	trevni-core	1.11.1.7.3.1.0-197
Calcite	org.apache.calcite	calcite-babel	1.25.0.7.3.1.0-197
Calcite	org.apache.calcite	calcite-core	1.25.0.7.3.1.0-197
Calcite	org.apache.calcite	calcite-druid	1.25.0.7.3.1.0-197
Calcite	org.apache.calcite	calcite-linq4j	1.25.0.7.3.1.0-197
Calcite	org.apache.calcite	calcite-server	1.25.0.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-aliyun	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-annotations	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-archive-logs	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-archives	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-assemblies	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-auth	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-aws	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-azure	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-azure-datalake	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-benchmark	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-build-tools	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-client	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-client-api	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-client-integration-tests	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-client-minicluster	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-client-runtime	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-cloud-storage	3.1.1.7.3.1.0-197

Project	groupId	artifactId	version
Hadoop	org.apache.hadoop	hadoop-common	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-datajoin	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-distcp	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-extras	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-fs2img	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-gridmix	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs-client	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs-httpfs	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs-native-client	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs-nfs	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-hdfs-rbf	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-kafka	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-kms	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-app	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-common	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-core	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-hs-plugins	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-jobclient	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-nativetask	3.1.1.7.3.1.0-197
Hadoop	org.apache.hadoop	hadoop-mapreduce-client-shuffle	3.1.1.7.3.1.0-197
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Knox	org.apache.knox	gateway-discovery-ambari	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-docker	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-i18n	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-provider-rewrite-step-secure-query	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-provider-security-authz-acls	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-provider-security-authz-composite	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-provider-security-clientcert	2.0.0.7.3.1.0-197

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Knox	org.apache.knox	gateway-provider-security-jwt	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-provider-security-pac4j	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-provider-security-preauth	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-provider-security-shiro	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-provider-security-webappsec	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-service-livy	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-service-vault	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-service-webhdfs	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-shell	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-shell-launcher	2.0.0.7.3.1.0-197

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Knox	org.apache.knox	gateway-shell-samples	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-test	2.0.0.7.3.1.0-197
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Knox	org.apache.knox	gateway-test-release-utils	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-test-utils	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-topology-hadoop-xml	2.0.0.7.3.1.0-197
Knox	org.apache.knox	gateway-topology-simple	2.0.0.7.3.1.0-197
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Kudu	org.apache.kudu	kudu-backup3_2.12	1.17.0.7.3.1.0-197
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Livy	org.apache.livy	livy-client-http	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-core_2.12	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-examples	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-integration-test	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-repl_2.12	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-rsc	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-scala-api_2.12	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-server	0.7.23000.7.3.1.0-197

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Livy	org.apache.livy	livy-thriftserver	0.7.23000.7.3.1.0-197
Livy	org.apache.livy	livy-thriftserver-session	0.7.23000.7.3.1.0-197
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Lucene	org.apache.lucene	lucene-analyzers-kuromoji	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-analyzers-morfologik	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-analyzers-nori	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-analyzers-openslp	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-analyzers-phonetic	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-analyzers-smarten	8.11.2.7.3.1.0-197
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Lucene	org.apache.lucene	lucene-sandbox	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-spatial-extras	8.11.2.7.3.1.0-197
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Lucene	org.apache.lucene	lucene-suggest	8.11.2.7.3.1.0-197
Lucene	org.apache.lucene	lucene-test-framework	8.11.2.7.3.1.0-197
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Oozie	org.apache.oozie	oozie-core	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-distrow	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-examples	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-fluent-job-api	5.1.0.7.3.1.0-197

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Oozie	org.apache.oozie	oozie-sharelib-git	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-hcatalog	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-hive	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-hive2	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-oozie	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-spark3	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-sqoop	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-sharelib-streaming	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-tools	5.1.0.7.3.1.0-197
Oozie	org.apache.oozie	oozie-zookeeper-security-tests	5.1.0.7.3.1.0-197
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ORC	org.apache.orc	orc-examples	1.8.3.7.3.1.0-197
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ORC	org.apache.orc	orc-shims	1.8.3.7.3.1.0-197
ORC	org.apache.orc	orc-tools	1.8.3.7.3.1.0-197
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Ozone	org.apache.ozone	hdds-client	1.3.0.7.3.1.0-197
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Ozone	org.apache.ozone	hdds-crypto-api	1.3.0.7.3.1.0-197
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Ozone	org.apache.ozone	hdds-hadoop-dependency-client	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-hadoop-dependency-server	1.3.0.7.3.1.0-197
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Ozone	org.apache.ozone	hdds-interface-admin	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-interface-client	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-interface-server	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-managed-rocksdb	1.3.0.7.3.1.0-197
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Ozone	org.apache.ozone	hdds-server-framework	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-server-scm	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-test-utils	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	hdds-tools	1.3.0.7.3.1.0-197

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Ozone	org.apache.ozone	ozone-client	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-common	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-csi	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-datanode	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-dist	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-filesystem	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-filesystem-common	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-filesystem-hadoop2	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-filesystem-hadoop3	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-filesystem-shaded	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-httpfsgateway	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-insight	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-integration-test	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-interface-client	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-interface-storage	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-manager	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-network-tests	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-recon	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-reconcodegen	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-s3-secret-store	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-s3gateway	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	ozone-tools	1.3.0.7.3.1.0-197
Ozone	org.apache.ozone	rocksdb-checkpoint-differ	1.3.0.7.3.1.0-197
Parquet	org.apache.parquet	parquet-avro	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-cascading	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-cascading3	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-column	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-common	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-encoding	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-format-structures	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-generator	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-hadoop	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-hadoop-bundle	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-jackson	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-pig	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-pig-bundle	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-protobuf	1.12.3.7.3.1.0-197
Parquet	org.apache.parquet	parquet-scala_2.12	1.12.3.7.3.1.0-197

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Parquet	org.apache.parquet	parquet-tools	1.12.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-client-embedded-hbase-2.4	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-client-hbase-2.4	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-core	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.1.6	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.2.5	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.3.0	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.0	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.4.1	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.0	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-hbase-compat-2.5.4	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-pherf	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-queryserver	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-queryserver-client	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-queryserver-it	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-queryserver-load-balancer	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-queryserver-orchestrator	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-server-hbase-2.4	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix-tracing-webapp	5.1.3.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix5-hive	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix5-hive-shaded	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix5-spark3	6.0.0.7.3.1.0-197
Phoenix	org.apache.phoenix	phoenix5-spark3-shaded	6.0.0.7.3.1.0-197
Ranger	org.apache.ranger	conditions-enrichers	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	credentialbuilder	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	embeddedwebserver	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	jisql	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ldapconfigcheck	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-adls-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-atlas-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-atlas-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-authn	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-common-ha	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-distro	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-examples-distro	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-gs-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-hbase-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-hbase-plugin-shim	2.4.0.7.3.1.0-197

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Ranger	org.apache.ranger	ranger-hdfs-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-hdfs-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-hive-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-hive-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-intg	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kafka-connect-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kafka-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kafka-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kms	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kms-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kms-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-knox-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-knox-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kudu-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kylin-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-kylin-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-metrics	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-nifi-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-nifi-registry-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-ozone-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-ozone-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-plugin-classloader	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-plugins-audit	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-plugins-common	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-plugins-cred	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-plugins-installer	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-policymigration	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-adls	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-chained-plugins	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-hook-abfs	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-hook-s3	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-intg	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-processor	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-s3	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-raz-s3-lib	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-rms-common	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-rms-hive	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-rms-plugins-common	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-rms-tools	2.4.0.7.3.1.0-197

Project	groupId	artifactId	version
Ranger	org.apache.ranger	ranger-rms-webapp	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-s3-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-sampleapp-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-schema-registry-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-solr-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-solr-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-sqoop-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-sqoop-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-storm-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-storm-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-tagsync	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-tools	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-trino-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-util	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-yarn-plugin	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ranger-yarn-plugin-shim	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	sample-client	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	sampleapp	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	shaded-raz-hook-abfs	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	shaded-raz-hook-s3	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	ugsync-util	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	unixauthclient	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	unixauthservice	2.4.0.7.3.1.0-197
Ranger	org.apache.ranger	unixusersync	2.4.0.7.3.1.0-197
Solr	org.apache.solr	solr-analysis-extras	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-analytics	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-cell	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-core	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-dataimporthandler	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-dataimporthandler-extras	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-gcs-repository	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-jaegertracer-configurator	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-langid	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-ltr	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-prometheus-exporter	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-s3-repository	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-security-util	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-solrj	8.11.2.7.3.1.0-197
Solr	org.apache.solr	solr-test-framework	8.11.2.7.3.1.0-197

Project	groupId	artifactId	version
Solr	org.apache.solr	solr-velocity	8.11.2.7.3.1.0-197
Spark	org.apache.spark	spark-avro_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-catalyst_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-connect-client-jvm_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-connect-common_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-connect_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-core_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-graphx_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-hadoop-cloud_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-hive_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-kubernetes_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-kvstore_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-launcher_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-mllib-local_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-mllib_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-network-common_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-network-shuffle_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-network-yarn_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-protobuf_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-repl_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-shaded-raz	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-sketch_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-sql-kafka-0-10_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-sql_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-streaming-kafka-0-10-assembly_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-streaming-kafka-0-10_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-streaming_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-tags_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-token-provider-kafka-0-10_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-unsafe_2.12	3.4.1.7.3.1.0-197
Spark	org.apache.spark	spark-yarn_2.12	3.4.1.7.3.1.0-197
Sqoop	org.apache.sqoop	sqoop	1.4.7.7.3.1.0-197
Sqoop	org.apache.sqoop	sqoop-test	1.4.7.7.3.1.0-197
Tez	org.apache.tez	hadoop-shim	0.9.1.7.3.1.0-197
Tez	org.apache.tez	hadoop-shim-2.8	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-api	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-aux-services	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-common	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-dag	0.9.1.7.3.1.0-197

Project	groupId	artifactId	version
Tez	org.apache.tez	tez-examples	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-ext-service-tests	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-history-parser	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-javadoc-tools	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-job-analyzer	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-mapreduce	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-protobuf-history-plugin	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-runtime-internals	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-runtime-library	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-tests	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-yarn-timeline-cache-plugin	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-yarn-timeline-history	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-yarn-timeline-history-with-acls	0.9.1.7.3.1.0-197
Tez	org.apache.tez	tez-yarn-timeline-history-with-fs	0.9.1.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-angular	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-display	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-interpreter	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-jdbc	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-jupyter	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-livy	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-markdown	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-server	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-shaded-raz	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-shell	0.8.2.7.3.1.0-197
Zeppelin	org.apache.zeppelin	zeppelin-zengine	0.8.2.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-fatjar	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-loggraph	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-rest	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-contrib-zooinspector	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-it	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-jute	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-prometheus-metrics	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-election	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-lock	3.8.1.7.3.1.0-197
ZooKeeper	org.apache.zookeeper	zookeeper-recipes-queue	3.8.1.7.3.1.0-197

Release Matrix

You must be familiar with the versions of all the service packs and cumulative hotfixes for Cloudera Runtime 7.3.1.

The Release build number has two parts, the [*Runtime release version number*] and the [*Runtime Build number*]. For example, in 7.3.1.100-57, 7.3.1.100 is the release version number and 57 is the build number.

Runtime Release Build Number	Cumulative Hotfix/Service Pack	Release Date
7.3.1.400-100	7.3.1.400 SP2	June 27, 2025
7.3.1.300-81	7.3.1.300 SP1 CHF 1	June 02, 2025
7.3.1.200-90	7.3.1.200 SP1	April 24, 2025
7.3.1.100-57	7.3.1.100 CHF 1	March 18, 2025
7.3.1.0-197	7.3.1	December 11, 2024

Fixed Issues In Cloudera Runtime 7.3.1

Fixed issues represent issues reported by Cloudera customers that are addressed in this release.

Fixed Issues in Atlas

Review the list of Atlas issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

CDPD-66938: [Analyze] [Atlas] test_time_range tests fail

7.3.1.500

Atlas stores all timestamps in UTC, but the UI or API would interpret TODAY or YESTERDAY based on the local server time zone. For instance, if the server is in a different time zone from the user, TODAY may refer to different times than expected, causing mismatched results. After the update, search results remain accurate despite the server's timezone as the date and time conversions while fetching the results use UTC time zone.

CDPD-84502: Advanced Search is not working properly in the Atlas UI

7.3.1.500

Fixed an issue in the Atlas UI where Advanced Search did not trigger API calls for each relation. The UI now ensures that API calls are made for all relevant relations, providing accurate and complete search results.

This update also incorporates improvements from CDPD-65619, which enhanced the reliability and consistency of Advanced Search operations in the Atlas UI.

CDPD-79099: Unable to import hive tables using import script in Public Cloud

7.3.1.500

The validation of import .zip files is updated to prevent the org.apache.atlas.AtlasServiceException error if the .zip file contains Atlas shell entities missing mandatory attributes such as a name. The validation of the mandatory attributes is removed. The update ensures that the imported Hive table entities have the correct name and are marked as complete.

Cloudera Runtime 7.3.1.400 SP2**CDPD-82054: UI: when server response date fields as '0', UI shows as current time**

7.3.1.400

Previously, if an API response contained an invalid date value (such as 0) intended for display on the user interface, the current system date was shown. Currently, instead of displaying the system date when an invalid date value is encountered in the API response, the user interface displays NA. This issue specifically affects the **Entity Detail** page, where the create time and modified time are displayed.

Apache JIRA: [ATLAS-5015](#)**CDPD-34895: Investigate which HTTP security headers Atlas should have in API responses**

7.3.1.400

A static header and a custom header is provided which can be added through atlas-application.properties file. This enables adding custom security headers.

Use the following prefix keyword to customize the header:

In atlas-application.properties instead of using the prefix atlas.rest.headers use atlas.header.

Example:

```
- atlas.headers.content-security-policy=default-src 'self' // content-security-policy
```

CDPD-74374: Patch to replace the long strings set in spark_process attributes

7.3.1.400

As the atlas.process.spark.attributes.update.patch is set to TRUE by default, the spark_process entity attributes details and sparkPlanDescription no longer cause out-of-memory issues as they are no longer contain a large amount of data.

Cloudera Runtime 7.3.1.300 SP1 CHF 1**CDPD-80922: Without a permission for one glossary, the /glossary call throws exception and it does not list the remaining glossaries**

7.3.1.300

The getGlossaries method in GlossaryService is updated to ensure that the full paginated list is retrieved, even if some glossaries are skipped. This method includes the following improvements:

- Handling skipped glossaries: If some entities fail to load, it fetches additional entities until the requested limit is met.
- Efficient pagination: Keeps fetching until it gets the required number of valid glossaries.
- Preventing infinite loops: method stops when either the required number of glossaries is retrieved or there are no more to fetch.

CDPD-70450: Impala SQL queries that include the WITH clause should populate lineage in Atlas

7.3.1.300

Previously, only Impala SQL queries that don't use the "WITH" clause could be shown with their lineage in Atlas, but queries that do use the "WITH" clause could not be shown with lineage in Atlas.

Currently, Impala SQL queries using the "WITH" clause are supported.

CDPD-80160: Use the centralized commons-lang3

7.3.1.300

A centralized commons-lang3 package is used to prevent build issues and a security vulnerability.

Cloudera Runtime 7.3.1.200 SP1**CDPD-76789: Creating tag with name description throws java.lang.ClassCastException**

7.3.1.200

A validation is added to avoid creating classification with reserved names such as "name", "description", "owner", "version", "serviceType" and "options".

Apache Jira: [ATLAS-4956](#)

CDPD-77435: RAZ: Import-hive on Cloudera Data Engineering cluster fails

7.3.1.200

Running an Import-hive action on a RAZ-enabled Cloudera Data Engineering cluster no longer fails with the error NoClassDefFoundError: com/sun/jersey/core/spi/factory/ResponseBuilderImpl.

CDPD-65806: Not all Iceberg table relationships are visible after upgrade from Cloudera Public Cloud 7.2.17 to Cloudera Public Cloud 7.2.18

7.3.1.200

Iceberg table relationships like Iceberg table DB, Iceberg table SD, Iceberg DDL queries were added for Iceberg table entity. Old relationships such as Hive table DB, Hive table SD, Hive DDL queries were removed.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-77767: Migration status is not updated on file while migration is in progress**

7.3.1.100

Previously, whenever a migration was started on any environment and tried to update the vertex with details, the status update would fail with a null pointer exception. This issue is fixed by using the file hash code instead of file name causing the null pointer exception. Now, whenever a migration restarts, it starts from last point where it was stopped or interrupted.

Apache Jira: [ATLAS-4907](#)

CDPD-69910: Nullpointer exception while deleting business metadata

7.3.1.100

The migration status is stored correctly and reused to restart migration from the point where it failed earlier.

Apache Jira: [ATLAS-4863](#)

CDPD-74140: Comment for existing Hive tables can not be modified in Atlas

7.3.1.100

The comment attribute is now updated and existing comments can be modified and the changes are reflected in the Apache Atlas UI.

CDPD-76536: Iceberg entities created in 7.2.17 Atlas-Hook (Hive, Impala, Spark) are not ingested by 7.2.18/7.3.1 Atlas Server

7.3.1.100

The incompatibility issue between Cloudera Data Services for CDP Public Cloud 7.2.17 Apache Hive and Apache Impala hooks with Atlas server for CDP Public Cloud 7.2.18 and Cloudera on cloud 7.3.1 is resolved. With this fix, Iceberg tables created in Cloudera Public Cloud 7.2.17 or older are captured properly in Apache Atlas UI for Cloudera Public Cloud 7.2.18 and Cloudera on cloud 7.3.1.

CDPD-65619: Iceberg tables do not show under hive_db entity when created

7.3.1.100

The UI now displays Iceberg tables if they are created under the same Hive database (hive_db). Iceberg table can be seen in the **Tables** tab of a Hive database (hive_db) in basic search. Both Hive table (hive_table) and Iceberg table (iceberg_table) typenames are visible.

CDPD-71411: Atlas Hbase import fails with jackson-databind exception

7.3.1.100

The jackson-annotations is updated to match jackson-databind (2.15.0) to resolve the NoSuchFieldError error during an HBase import caused by version mismatch (older 2.12.7 on classpath).

Cloudera Runtime 7.3.1**CDPD-69962: fetchType as "incremental" does full export instead of "CONNECTED"**

7.3.1

Earlier, the first incremental export operation performed on a target entity used to fetch all entities even if they were not related to the targeted entity. This affected the performance as it imports more data than what was expected.

Now, the first incremental export will only fetch the entities which are related to the target entity. Also, if the target entity is connected to a lineage, then only the immediately connected entities in the lineage will get exported and not the whole lineage.

CDPD-67654: [Atlas] [navigator2atlas] Status of deleted table is ACTIVE in Atlas after navigator2atlas migration

7.3.1

Deleted hive tables migrated via the Navigator to Atlas transition may shown as active in Apache Atlas. Changes done in the Nav2Atlas module to set the relationType as hive_table_storagedesc of relationship attribute table for every entity of hive_storagedesc.

CDPD-72732: [UCL] Incorrect Atlas audits generated for updates with atlas.hook.hive.skip.dml.messages set to true/false in 7.3.0.1 Cloudera Base on premises

7.3.1

The Apache Atlas property atlas.hook.hive.skip.dml.messages = true can be used to reduce the number of audits that are generated for any DML command executed over a hive entity.

The default value for hive.split.update is set to true in 7.3.1 causing two audits to be generated for one update command: one delete and one insert. This will impact Apache Atlas when atlas.hook.hive.skip.dml.messages = false (Atlas is processing Data Manipulation events) and atlas.entity.audit.differential = false (Atlas logs the full entity metadata during every update).

CDPD-71516: Temporarily disable the tasks tab on Entity Detail page

7.3.1

The Entity Detail page was showing "Something went wrong". This is occurring because on loading the Entity Detail page, an API call (/api/atlas/admin/tasks) is made to get all the tasks that are created when deferred actions features are enabled. The Entity Detail page task tab and task API will display in UI depending upon the server side property atlas.tasks.ui.tab.enabled. Initially, this is set to false. Therefore, temporarily the task tab on entity detail page in UI is disabled.

Apache Jira: [ATLAS-4880](#)

OPSAPS-64385: Atlas's client.auth.enabled configuration is not configurable

In customer environments where user certifications are required to authenticate to services, the Apache Atlas web UI will constantly prompt for certifications. To solve this, the client.auth.enabled parameter is set to true by default. If it is needed to set it false, then you need to override the setting from safety-valve with a configuration snippet. Once it set to false, then no more certificate prompts will be displayed.

CDPD-53176: Partition Specification data for Iceberg Table is not sent to Atlas in Hook context

When an Iceberg table is created with partition spec, partition specification data is sent to Apache Atlas in Hook context. In case of Hive, Atlas is also getting the Partition Transform Information or

Table parameters.default-partition-spec from Hook context. When using the Hive compute engine for partition evolution, the lineage is captured by Atlas.

OPSAPS-68461: Update GC and JVM options for Atlas service for supporting JDK17 in main Atlas CSD

The issue of existing ATLAS OPTS not working for JDK17 is fixed.

Fixed Issues in Apache Avro

Review the list of Avro issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-47852: Removed the old CDH versions and parent

7.3.1.100

Removed old CDH repository reference for artefacts to support build with newer dependency versions.

CDPD-45628: Upgraded Apache Maven to 3.8.6 due to CVE-2021-26291

7.3.1.100

Removed the Maven prerequisites of version 2.2.1 and upgrade the maven-core to 3.8.6 to fix CVE-2021-26291. Also, upgraded plexus-utils version to 3.5.0 and Apache file-management version to 3.0.0 to support the upgrade.

CDPD-75089: Restrict trusted packages in ReflectData and SpecificData

7.3.1.100

Schema parsing in Java SDK of Apache Avro had an issue that allowed malicious actors to execute arbitrary code when reading Avro data. This issue is now resolved by restricting trusted packages in ReflectData and SpecificData.

Apache Jira:[AVRO-3985](#)

Cloudera Runtime 7.3.1

There are no fixed issues in this release.

Fixed issues in Cloud Connectors

Review the list of Cloud Connectors issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-76378 Uploading files to S3 takes longer than expected**

7.3.1.100

The issue regarding the delayed upload of files in S3 is fixed.

Cloudera Runtime 7.3.1**Apache patch information**

- HADOOP-18855 - Tuning and stabilization of Vector IO
- MAPREDUCE-7474 - Improve commit resilience and performance in Manifest Committer for ABFS

Fixed issues in Cruise Control

Review the list of Cruise Control issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1**CDPD-75633: Cruise Control might fail on startup or create metrics topic with default configuration if Kafka brokers lag**

7.3.1.300

When first starting up Cruise Control and Kafka brokers, one of the brokers might lag behind, or the cluster might not be ready to create the metrics topic correctly, which previously caused Cruise Control to fail on startup. This no longer occurs because topic creation is now checked and retried if necessary during startup.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1**OPSAPS-69978: Cruise Control capacity.py script fails on Python 3**

7.3.1

The script querying the capacity information is now fully compatible with Python 3.

Fixed Issues in Iceberg REST Catalog

Review the list of Iceberg REST Catalog issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

CDPD-85253: Rest Catalog service should use only HMS RangerHiveAuthorizer for its command authorization

The update changes the appType for the REST_CATALOG case to use HIVE_METASTORE_APP_ID instead of REST_CATALOG_APP_ID. This aligns the authorization logic for Rest Catalog with Hive Metastore. In Ranger, now you are able to filter for audit events with application ID restCatalog.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Fixed Issues in Hadoop

Review the list of Hadoop issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

There are no fixed issues in this release.

Fixed Issues in HDFS

Review the list of HDFS issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-77765: Hadoop - Upgrade kafka-clients to 3.7.2/3.8.1+ due to CVE-2024-56128

Upgrade kafka client to 3.9.0 to fix CVE-2024-31141.

Apache Jira: [HADOOP-19456](#)

Cloudera Runtime 7.3.1.200 SP1

CDPD-78928: Backport HADOOP-16299 to avoid module access violation in LdapGroupsMapping
7.3.1.200

When LdapGroupsMapping was the selected group mapping method, running any commands that relies on this group mapping lead to an exception due to a java module access violation when the JVM version was above Java11. This illegal access is avoided in the group mapping implementation without functional changes.

Apache Jira: [HADOOP-16299](#)

CDPD-75403: Temporary File Local Information Disclosure

7.3.1.200

The issue is fixed and this fix enhances access control for the current directory of the RunJar so that only current user can have the access.

Apache Jira: [HADOOP-19031](#)

CDPD-69173: FsImage might have inaccessible nodes

7.3.1.200

If a FsImage is corrupted, it may have inaccessible nodes. The FsImageValidation tool currently is able to identify the inaccessible nodes when validating the INodeMap. This fix updates the FsImageValidation to remove the inaccessible nodes.

Apache Jira: [HDFS-17380](#)

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

OPSAPS-71677: When you are upgrading from Cloudera Base on premises 7.1.9 SP1 to Cloudera Base on premises 7.3.1, upgrade-rollback execution fails during HDFS rollback due to missing directory.

7.3.1

This issue is now resolved. The HDFS meta upgrade command is executed by creating the previous directory due to which the rollback does not fail.

OPSAPS-71390: Cloudera Operational Database cluster creation is failing on INT and displays the Failed to create HDFS directory /tmp error.

7.3.1

This issue is now resolved. Export options for jdk17 is added now.

OPSAPS-71188: Modify default value of dfs_image_transfer_bandwidthPerSec from 0 to a feasible value to mitigate RPC latency in the namenode.

7.3.1

This issue is now resolved.

OPSAPS-58777: HDFS Directories are created with root as user.

7.3.1

This issue is now resolved by fixinf service.sdl.

CDPD-67823: Ranger RMS gives all permissions to the user through the Create permission.

7.3.1

This issue is now resolved. An additional check is added to ensure that the user attempting to alter any HDFS directory that maps to the Hive database is the owner of the Hive database.

Fixed Issues in HBase

Review the list of HBase issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

CDPD-77399: HBase fails to register the servlet metrics and throws ClassNotFoundException: org.apache.hadoop.metrics.MetricsServlet

This issue is fixed now. HBase does not warn about the Hadoop 2-based metric servlet class on a Hadoop 3 deployment.

Apache Jira: [HBASE-28315](#)

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

CDPD-67520: JWT authentication expects [sub] claim in the payload

A JWT payload can have a custom claim for Subject/Principal instead of the standard sub claim.

You can set the `hbase.security.oauth.jwt.token.principal.claim` configuration property in Cloudera Manager under HBase Service Advanced Configuration Snippet (Safety Valve) for `hbase-site.xml` to define the custom Subject/Principal claim.

CDPD-66387: RegionServer should be aborted when WAL.sync throws TimeoutIOException

This fix adds additional logic for `WAL.sync`. If `WAL.sync` gets a timeout exception, HBase wraps `TimeoutIOException` as a special `WALSynctimeoutIOException`. When the upper layer such as `HRegion.doMiniBatchMutate` called by `HRegion.batchMutation` catches this special exception, HBase aborts the region server.

Apache Jira: [HBASE-27230](#)

CDPD-65373: Make delay prefetch property dynamically configurable

This change allows you to dynamically configure the `hbase.hfile.prefetch.delay` property using the Cloudera Manager. You need to update the value and refresh the HBase service. The new value is applied to the HBase service automatically.

Apache Jira: [HBASE-28292](#)

CDPD-74494: JVM crashes intermittently on ARM64 machines

After noticing the JVM crashes in the HBase service that is based on arm64 architecture and uses JDK 17, the fix is applied that refactors the module and the large implementation function into multiple smaller functions. The issue was observed in a specific module that had a very large member function.

Apache Jira: [HBASE-28206](#)

CDPD-73118: Bucket cache validation fails after a rolling restart resulting in an empty bucket cache without running the prefetch operations

During the retrieval of bucket cache from persistence, it was observed that, if an exception, other than the `IOException` occurs, the exception is not logged, and also the retrieval thread exits leaving the bucket cache in an uninitialized state, leaving it unusable.

This change enables the retrieval thread to print all types of exceptions and also reinitializes the bucket cache and makes it reusable.

Fixed Issues in Hive

Review the list of Hive issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

CDPD-81766: Database Setting Consistency in Spark3 HWC

7.3.1.400

Spark3's Hive Warehouse Connector (HWC) did not consistently apply the database setting when validating if a table existed during append mode writes. This led to inconsistencies where the database setting was not used for validation, even though data was correctly written to the intended database.

This issue was resolved and is now in a patch-ready state. This ensures the database setting is consistently applied during table validation in Spark3 HWC, preventing prior inconsistencies.

CDPD-81122: Enhanced Concurrent Access in HWC Secure Mode

7.3.1.400

Spark applications running multiple concurrent queries in HWC's `SECURE_ACCESS` mode encountered failures and correctness problems. This happened because the system faced difficulties when generating temporary table names and managing staging directories simultaneously for multiple reads.

This issue was addressed by improving the handling of concurrent operations within HWC's `SECURE_ACCESS` mode.

CDPD-81453: Efficient Handling of Timed-Out Transactions in Replication

7.3.1.400

Hive replication did not log transactions that timed out as `'ABORTED'`. This caused these transactions to remain on the target cluster for an extended period.

This issue was resolved by ensuring that transactions aborted due to timeout are now properly logged. This allows their abort event to be replicated, leading to prompt removal from the target environment.

Apache Jira: [HIVE-27797](#)

CDPD-81420: Table Filtering for Ranger Policies

7.3.1.400

Ownership details for tables were not correctly carried through the system during filtering, which prevented Ranger from applying policies based on who owned the tables.

This issue was resolved by ensuring that ownership information is now consistently included when tables are filtered. This allows Ranger to accurately enforce policies based on table ownership, leading to improved performance when filtering databases and tables.

CDPD-77626: Improving performance of ALTER PARTITION operations using direct SQL

7.3.1.400

Running `ALTER PARTITION` operations using direct SQL failed for some databases. The failures occurred due to missing data type conversions for `CLOB` and `Boolean` fields, causing the system to fall back to slower ORM (Object Relational Mapping) paths.

The issue was addressed by adding proper handling for CLOB and Boolean type conversions. With this fix, ALTER PARTITION operations now run successfully using direct SQL.

Apache Jira: [HIVE-28271](#), [HIVE-27530](#)

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-64950: Deadlock during Spark shutdown due to duplicate transaction cleanup

7.3.1.300

During Spark application shutdown, transactions were being closed by two separate mechanisms at the same time. This parallel cleanup could result in a deadlock, especially when the heartbeat interval was set to a low value.

The issue was addressed by ensuring that transaction cleanup occurs through a single mechanism during shutdown, avoiding concurrent execution and potential deadlocks.

CDPD-78334: Support custom delimiter in SkippingTextInputFormat

7.3.1.300

Queries like SELECT COUNT(*) returned wrong results when a custom record delimiter was used. The input file was read as a single line because the custom delimiter was ignored.

The issue was addressed by ensuring that the custom record delimiter is considered while reading the file, so that queries work as expected.

Apache Jira: [HIVE-27498](#)

CDPD-79237: Hive Metastore schema upgrade fails due to NULL values

7.3.1.300

Upgrading from CDP Private Cloud Base 7.1.7.2052 to 7.1.9.1010 fails during the Hive Metastore schema upgrade. The upgrade script issues the following command:

```
ALTER TABLE "DBS" ALTER COLUMN "TYPE" SET DEFAULT 'NATIVE', ALTER  
COLUMN "TYPE" SET NOT NULL;
```

This fails because the DBS.TYPE column contains NULL values. These NULLs are introduced by canary databases created by Cloudera Manager, which insert entries in the HMS database without setting the TYPE.

The issue was addressed by ensuring that canary databases created by Cloudera Manager correctly populate the TYPE column in the DBS table, preventing NULL values and allowing the schema upgrade to proceed.

Cloudera Runtime 7.3.1.200 SP1

CDPD-78342/CDPD-72605: Optimized partition authorization in HiveMetaStore to reduce overhead

7.3.1.200

The add_partitions() API in HiveMetastore was authorizing both new and existing partitions, leading to unnecessary processing and increased load on the authorization service.

The issue was addressed by modifying the add_partitions() API to authorize only new partitions, improving performance and reducing authorization overhead.

CDPD-77990: Upgraded MySQL Connector/J to 8.2.0 to fix CVE-2023-22102

7.3.1.200

The existing MySQL Connector/J version was vulnerable to CVE-2023-22102.

The issue was addressed by upgrading mysql-connector-j to version 8.2.0 in packaging/src/docker/Dockerfile.

CDPD-62654/CDPD-77985: Hive Metastore now sends a single AlterPartitionEvent for bulk partition updates

7.3.1.200

HiveMetastore previously sent individual AlterPartitionEvent for each altered partition, leading to inefficiencies and pressure on the back db.

The issue was addressed by modifying Hive Metastore to send a single AlterPartitionEvents containing a list of partitions for bulk updates, hive.metastore.alterPartitions.notification.v2.enabled to turn on this feature.

Apache Jira: [HIVE-27746](#)

CDPD-73669: Secondary pool connection starvation caused by updatePartitionColumnStatisticsInBatch API

7.3.1.200

Hive queries intermittently failed with Connection is not available, request timed out errors. The issue occurred because the updatePartitionColumnStatisticsInBatch method in ObjectStore used connections from the secondary pool, which had a pool size of only two, leading to connection starvation.

The fix ensures that the updatePartitionColumnStatisticsInBatch API now requests connections from the primary connection pool, preventing connection starvation in the secondary pool.

Apache Jira: [HIVE-28456](#)

CDPD-61676/CDPD-78341: Drop renamed external table fails due to missing update in PART_COL_STATS

7.3.1.200

When hive.metastore.try.direct.sql.ddl is set to false, dropping an external partitioned table after renaming it fails due to a foreign key constraint error in the PART_COL_STATS table. The table name in PART_COL_STATS is not updated during the rename, causing issues during deletion.

The issue was addressed by ensuring that the PART_COL_STATS table is updated during the rename operation, making partition column statistics usable after the rename and allowing the table to be dropped successfully.

Apache Jira: [HIVE-27539](#)

CDPD-79469: Selecting data from a bucketed table with a decimal column throws NPE

7.3.1.200

When hive.tez.bucket.pruning is enabled, selecting data from a bucketed table with a decimal column type fails with a NullPointerException. The issue occurs due to a mismatch in decimal precision and scale while determining the bucket number, causing an overflow and returning null.

The issue was addressed by ensuring that the correct decimal type information is used from the actual field object inspector instead of the default type info, preventing the overflow and NullPointerException.

Apache Jira: [HIVE-28076](#)

CDPD-74095: Connection timeout while inserting Hive partitions due to secondary connection pool limitation

7.3.1.200

Since HIVE-26419, Hive uses a secondary connection pool (size 2) for schema and value generation. However, this pool also handles nontransactional connections, causing the updatePartitionColumnStatisticsInBatch request to fail with a Connection is not available, request timed out error when the pool reaches its limit during slow insert or update operations.

The issue was addressed by ensuring that time-consuming API requests use the primary connection pool instead of the secondary pool, preventing connection exhaustion.

Apache Jira: [HIVE-28456](#)

CDPD-78331: HPLSQL built-in functions fail in insert statement

7.3.1.200

After the HIVE-27492 fix, some HPLSQL built-in functions like trim and lower stopped working in INSERT statements. This happened because UDFs already present in Hive were removed to avoid duplication, but HPLSQL's local and offline modes still required them.

The issue was addressed by restoring the removed UDFs in HPLSQL and fixing related function issues to ensure compatibility in all execution modes.

Apache Jira: [HIVE-28143](#)

CDPD-78343: Syntax error in HPL/SQL error handling

7.3.1.200

In HPL/SQL, setting hpsql.onerror using the SET command resulted in a syntax error because the grammar file (Hpsql.g4) only allowed identifiers without dots (.).

The issue was addressed by updating the grammar to support qualified identifiers, allowing the SET command to accept dot (.) notation.



Note:

Use EXECUTE 'SET <HS2 Config>' or EXECUTE IMMEDIATE 'SET <HS2 Config>' to configure HS2 settings.

```
Example: EXECUTE 'SET hive.merge.split.update=true';
```

Apache Jira: [HIVE-28253](#)

CDPD-78330: HPL/SQL built-in functions like sysdate not working

7.3.1.200

HPL/SQL built-in functions that are not available in Hive, such as sysdate, were failing with a SemanticException when used in queries. Only functions present in both HPL/SQL and Hive were working.

The issue was addressed by modifying the query parsing logic. Now, HPL/SQL built-in functions are executed directly, and only functions also available in Hive are forwarded to Hive for execution.

Apache Jira: [HIVE-27492](#)

CDPD-78345: Signalling CONDITION HANDLER is not working in HPLSQL

7.3.1.200

The user-defined CONDITION HANDLERS in HPLSQL are not being triggered as expected. Instead of running the handlers, the system only logs the conditions, so the handlers aren't available when needed.

The issue was addressed by ensuring that user-defined condition handlers are properly registered and invoked when a SIGNAL statement raises a corresponding condition.

Apache Jira: [HIVE-28215](#)

CDPD-78333: EXECUTE IMMEDIATE throwing ClassCastException in HPL/SQL

7.3.1.200

When executing a select count(*) query, it returns a long value, but HPLSQL expects a string. This mismatch causes the following error:

```
Caused by: java.lang.ClassCastException: class java.lang.Long cannot be cast to class java.lang.String
```



```
at org.apache.hive.service.cli.operation.hplsql.HplSqlQueryExecutor$OperationRowResult.get
```

The issue was addressed by converting the result to a string when the expected type is a string.

Apache Jira: [HIVE-28215](#)

CDPD-79844: EXECUTE IMMEDIATE displaying error despite successful data load

7.3.1.200

Running EXECUTE IMMEDIATE 'LOAD DATA INPATH "/tmp/test.txt" OVERWRITE INTO TABLE test_table' displayed an error on the console, even though the data was successfully loaded into the table. This occurred because HPL/SQL attempted to check the result set metadata after execution, but LOAD DATA queries do not return a result set, leading to a NullPointerException.

The issue was addressed by ensuring that result set metadata is accessed only when a result set is present.

Apache Jira: [HIVE-28766](#)

CDPD-67033: HWC for Spark 3 compatibility with Spark 3.5

7.3.1.200

The Spark 3.5, based on Cloudera on cloud 7.2.18 libraries, caused a failure in the HWC for Spark 3 build. Canary builds indicate that broke compatibility.

The issue was addressed by updating HWC for Spark 3 to align with Spark 3.5 changes and ensuring compatibility with Cloudera on cloud 7.2.18 dependencies

CDPD-80097: Datahub recreation fails due to Hive Metastore schema validation error

7.3.1.200

Datahub recreation on Azure fails because Hive Metastore schema validation cannot retrieve the schema version due to insufficient permissions on the VERSION table.

This issue is now fixed.

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-74456: Spark3 hwc.setDatabase() writes to the correct database

7.3.1.100

When setting the database using `hive.setDatabase("DB")` and performing CREATE TABLE or write operations with Hive Warehouse Connector (HWC), the operations were executed in a default database. This issue is now resolved and the operations are executed in the correct database.

The issue is now fixed.

CDPD-74373: Timestamp displays incorrectly in Spark HWC with JDBC_READER mode

7.3.1.100

When using Spark HWC with JDBC_READER mode, timestamps were displayed incorrectly. For example, 0001-01-01 00:00:00.0 was interpreted as 0000-12-30 00:00:00.

This issue is addressed by correcting timestamp handling in JDBC_READER mode to ensure accurate representation of timestamps before the Gregorian calendar was adopted.

CDPD-76932: Incorrect query results due to TableScan merge in shared work optimizer

7.3.1.100

During shared work optimization, TableScan operators were merged even when they had different Dynamic Partition Pruning (DPP) parent operators. This caused the filter from the missing DPP operator to be ignored, leading to incorrect query results.

This issue is resolved by modifying the shared work optimizer to check the parents of TableScan operators and skip merging when DPP edges differ.

Apache Jira: [HIVE-26968](#)

CDPD-78115: Thread safety issue in HiveSequenceFileInputFormat

7.3.1.100

Concurrent queries returned incorrect results when query result caching was disabled due to a thread safety issue in HiveSequenceFileInputFormat.

This issue is now resolved and the files are now set in a thread-safe manner to ensure correct query results.

CDPD-78129: Materialized view rebuild failure due to stale locks

7.3.1.100

If a materialized view rebuild is aborted, the lock entry in the materialization_rebuild_locks table is not removed. This prevents subsequent rebuilds of the same materialized view, causing error

```
Error: Error while compiling statement: FAILED: SemanticException
org.apache.hadoop.hive.ql.parse.SemanticException: Another process
is rebuilding the materialized view view_name (state=42000, code=40000)
```

The fix ensures that the materialized view rebuild lock is removed when a rebuild transaction is aborted. The MaterializationRebuildLockHeartbeater now checks the transaction state before heartbeating, allowing outdated locks to be cleaned properly.

Apache Jira: [HIVE-28416](#)

CDPD-78166: Residual operator tree in shared work optimizer causes dynamic partition pruning errors

7.3.1.100

Shared work optimizer left unused operator trees that sent dynamic partition pruning events to non-existent operators. This caused query failures when processing these events, leading to errors in building the physical operator tree.

The issue was addressed by ensuring that any residual unused operator trees are removed during the operator merge process in shared work optimizer, preventing invalid dynamic partition pruning event processing.

Apache Jira: [HIVE-28484](#)

CDPD-78113: Conversion failure from RexLiteral to ExprNode for empty strings

7.3.1.100

Conversion from RexLiteral to ExprNode failed when the literal was an empty string, causing the cost-based optimizer to fail for queries.

The issue was addressed by ensuring that an empty string literal in a filter produces a valid RexNode, preventing cost-based optimizer failures.

Apache Jira: [HIVE-28431](#)

Cloudera Runtime 7.3.1

CDPD-57121: ThreadPoolExecutorWithOomHook handling OutOfMemoryError

7.3.1

The ThreadPoolExecutorWithOomHook wasn't effectively handling OutOfMemoryError when executing tasks, as the exception was wrapped in ExecutionException, making it harder to detect.

The issue was fixed by updating `ThreadPoolExecutorWithOomHook` to properly invoke `OutOfMemoryError` hooks and stop `HiveServer2` when required.

Apache Jira: [HIVE-24411](#), [HIVE-26955](#), [IMPALA-8518](#)

CDPD-31172: Hive: Intermittent ConcurrentModificationException in HiveServer2 during mondrian testset

Fixed an exception by using `ConcurrentHashMap` instead of `HashMap` to avoid the race condition between threads occurring because of concurrent modification of `PerfLogger` `endTimes/startTimes` maps.

Fixed Issues in Impala

Review the list of Impala issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

CDPD-84214: User authentication consistency for Impala queries

Impala queries previously failed with an authorization error, indicating a mismatch between the user authorized on the Knox connection and the session username. This issue occurred intermittently, typically on the first attempt when running Iceberg queries, especially when cookie-based authentication was used after an initial secure authentication setup.

This issue was resolved by ensuring that user identity is correctly maintained during cookie-based authentication, even after initial secure setup. This prevents mismatches in user verification, allowing queries to proceed without authorization errors.

Apache Jira: [IMPALA-14083](#)

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-68079: Catalog Object Cache Size Calculation in JDK 11+

7.3.1.300

An error occurred in JDK 11+ where the catalog object cache incorrectly calculated the size of an object, resulting in an exception message:

```
java.lang.reflect.InaccessibleObjectException: Unable to make field private jdk.internal.platform.cgroupv1.CgroupV1SubsystemController jdk.internal.platform.cgroupv1.CgroupV1Subsystem.cpu accessible.
```

The issue has been resolved.

CDPD-80169: File metadata reload incorrectly skipped on ALTER TABLE

7.3.1.300

Impala skipped reloading file metadata on `ALTER TABLE` events if changes in the `StorageDescriptor` were trivial, even when table properties had important changes like a new location.

The fix includes updating the logic to ensure file metadata reload is not skipped when table properties have non-trivial changes.

Apache Jira: [IMPALA-13403](#)

CDPD-80168: Missing tables in Top-N memory usage list on Web UI

7.3.1.300

Some tables did not appear in the Top-N Tables list on the `/catalog` Web UI after metadata loading, such as from a `DESCRIBE` command. The memory metrics were only updated when a `FULL Thrift` object was requested.

The fix includes updating memory usage metrics immediately after metadata is loaded for an HDFS table, regardless of the Thrift object type requested.

Apache Jira: [IMPALA-13154](#)

CDPD-80170: Inconsistent ACID base folder validation between Impala and Hive

7.3.1.300

7.3.1.300

Impala rejected base folders created by INSERT OVERWRITE or TRUNCATE if earlier write IDs were still open, causing read inconsistencies with Hive.

Updated logic to accept these base folders, matching Hive behavior and ensuring consistent reads across both engines.

Apache Jira: [IMPALA-13759](#)

Cloudera Runtime 7.3.1.200 SP1

CDPD-80166: Ignore CREATE_TABLE events for inaccessible databases to prevent event processor error

7.3.1.200

CREATE_TABLE events for databases restricted by authorization caused the Impala event processor to enter an ERROR state

The event processor now ignores such events when the database is not found, logging the issue for administrators.

Apache Jira: [IMPALA-11735](#)

CDPD-78277: Customize timezone for UNIXTIME_MICROS columns in Kudu

7.3.1.200

Impala used the server's timezone for UNIXTIME_MICROS columns, causing mismatches with Spark, which uses UTC.

Added an option to set the timezone, ensuring consistent timestamps between Impala and Spark.

Apache Jira: [IMPALA-12370](#)

CDPD-79017: Fixed lost exceptions during re-analysis failures

7.3.1.200

When an AnalysisException occurs during re-analysis, calling toSql() throws another exception, causing the original exception to be lost.

The issue was addressed by ensuring the original exception is not lost when an error occurs during query re-analysis. Now, the error message properly logs the root cause instead of being replaced by another exception.

Apache Jira: [IMPALA-12811](#)

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-78366: Session management for Hue logins with Impala

7.3.1.100

When logging into the Hue web UI, users occasionally encountered the following error:

```
The user authorized on the connection 'hue/gateway0.xyz.site@XYZ.SITE' does not match the session username 'hue/gateway1.xyz.site@XYZ.SITE'
```

This issue arises when a Hue user's request was routed to a different Hue backend other than the one that initiated the original HS2 session with Impala. With Kerberos authentication, Impala restricts session reuse across different hosts or realms, even if the user remains the same.

To address this, proxy clients like Hue can now reuse HS2 sessions across multiple hosts or realms. This is allowed as these proxy clients can be trusted. This improvement enhances session management and ensures a smoother user experience when using Hue.

Apache Jira: [IMPALA-11298](#)

CDPD-78368: Executor crash during runtime filter generation

7.3.1.100

Enabling the MIN_MAX runtime filter in nested loop Joins for certain queries caused out-of-bounds access, leading to executor crashes that prevented any queries from running, disrupting production.

The issue is resolved by ensuring ScalarExprEvaluator properly calls the Open() function, preventing out-of-bounds access and stabilizing query execution.

Apache Jira: [IMPALA-12582](#)

CDPD-78364: Impalad crash due to inconsistent tuple IDs during query execution

7.3.1.100

Avoid impalad crash in RowDescriptor::InitTupleIdxMap() by verifying tuple ids in descriptor table received in executor side.

Apache Jira: [IMPALA-13378](#)

CDPD-78170: Boolean literals in OR conditions are not simplified as expected

7.3.1.100

Impala currently fails to simplify expressions like "id = 0 OR false" to "id = 0". The root cause is that the CompoundPredicate generated by NormalizeExprsRule is not analyzed, preventing SimplifyConditionalsRule from applying the expected rewrite.

This fix addresses the issue by ensuring that the rewritten CompoundPredicate is analyzed properly, allowing boolean literals in AND/OR conditions to be simplified as expected.

Apache Jira: [IMPALA-13203](#)

CDPD-78177: Conjunct registration issue during query rewrite in Impala

7.3.1.100

This issue, introduced in version Cloudera Base on premises 7.1.9, caused some queries with expressions that could be rewritten to false to fail with an IllegalStateException: Illegal reference to non-materialized slot

The issue was addressed by reverting an optimization that skipped registering certain conjuncts, ensuring proper registration and assignment during query analysis.

Apache Jira: [IMPALA-13302](#)

CDPD-78353: Failed table loads not retried after metastore recovery

7.3.1.100

Tables failed to load when the metastore was down, and queries continued to fail even after the metastore was back up, requiring manual invalidation.

The system now automatically retries loading failed tables when a query is executed, ensuring successful loads once the metastore is up, without manual intervention.

Apache Jira: [IMPALA-13120](#)

CDPD-78175: Incorrect results due to predicate pushdown in join condition

7.3.1.100

Impala can incorrectly push predicates to scan nodes, causing wrong results in some join scenarios. For example, a query that should return 0 rows may return incorrect results when specific predicates are used.

Removing analytic predicates with self-referencing TupleIds during query execution prevents incorrect pushdown and resolves the issue.

Apache Jira: [IMPALA-13262](#)

CDPD-78351: Support x5c Parameter in JSON Web Keys (JWK)

7.3.1.100

Impala coordinator failed to parse in JSON Web Key Set (JWK) and failed to start the coordinator. This issue is now resolved.

Apache Jira: [IMPALA-12559](#)

CDPD-78564: Partition value mismatch during INSERT event processing

7.3.1.100

Impala failed to process some INSERT events due to partition value mismatches. Hive encodes partition strings in file paths using URL encoding, but partition strings in HMS events are not encoded. Impala mismatched partitions during HMS events processing by decoding them incorrectly, causing event processing failures.

The fix includes decoding partition strings only when derived from file paths and not from HMS events to ensure accurate partition mapping.

Apache Jira: [IMPALA-13691](#)

CDPD-78559: Prometheus metric name incompatibility with JDK11 and JDK17

7.3.1.100

Impala metrics derived from JVM MemoryPoolMXBean names contain apostrophe characters in JDK11 and JDK17. Since Prometheus does not support apostrophes in metric names, these metrics cannot be consumed by Prometheus.

To address the issue, apostrophes in Prometheus metric names are now automatically translated to underscores, ensuring compatibility with Prometheus requirements.

Apache Jira: [IMPALA-13638](#)

CDPD-78161: Database deletion during metadata fetch

7.3.1.100

Running SHOW DATABASES in Impala while simultaneously dropping a database in Hive caused an InconsistentMetadataFetchException due to missing database metadata.

Improved exception handling for operations listing databases and tables. If a database is dropped during metadata fetch, the operation now handles the missing database.

Apache Jira: [IMPALA-13170](#)

CDPD-78164: Prevent Impala executor crash on restart

7.3.1.100

Impala crashed when executors received queries with zero fragment instances due to network issues.

Executors now ignore queries with zero fragment instances, and coordinators ensure they do not send such queries.

Apache Jira: [IMPALA-13107](#)

CDPD-78363: DDL hangs with SYNC_DDL when Catalogd switches to standby

7.3.1.100

When Catalogd changes from active to standby while waiting for SYNC_DDL version, it stops receiving catalog topic updates from the statestore. This caused DDL queries to hang indefinitely.

To address the issue, Catalogd now regenerates its service ID when changing to standby and throws an exception if the service ID changes while waiting for SYNC_DDL version.

Apache Jira: [IMPALA-13134](#)

CDPD-78365: Queries canceled after statestore failover

7.3.1.100

Queries were canceled after a statestore failover due to temporary inconsistencies. While a grace period was already in place for statestore restarts, failovers were not handled the same way.

The fix applies the existing post-recovery grace period to statestore failovers, preventing query cancellations caused by temporary disruptions.

Apache Jira: [IMPALA-13159](#)

CDPD-78563: Configurable TCP keepalive for client connections

7.3.1.100

Client connections get lost without an explicit close due to machine resets, network disruptions, or load balancer idle timeouts, leading to resource leaks in Impala.

To address this, new startup options allow you to enable and configure TCP keepalive settings for client connections. These options help detect and close dead connections, preventing premature disconnections.

Apache Jira: [IMPALA-13253](#)

CDPD-78162: Handling invalid column stats in table loading

7.3.1.100

Tables with illegal column stats failed to load, preventing operations like DROP STATS or DROP TABLE.

Impala now normalizes invalid stats to -1 and logs warnings, allowing table recovery.

Apache Jira: [IMPALA-13102](#)

Cloudera Runtime 7.3.1

CDPD-69856: SIGSEGV crash while accessing query state from concurrent access during query execution

7.3.1

A crash can occur due to concurrent updates and reads of execution state, such as through the WebUI, during query processing.

Ensured atomic updates of execution state to prevent conflicts and crashes during concurrent operations.

Apache Jira: [IMPALA-12747](#)

Missing txnId in tableWriteIds Mapping during AllocWriteIdEvent Processing

7.3.1

Fix issue of txnId not being added to tableWriteIds mapping in Catalog.

Apache Jira: [IMPALA-12851](#)

CDPD-73442: Resolution of potential deadlock

7.3.1

This fix addresses a deadlock issue in long-running sessions with an active idle_query_timeout, which caused new queries to hang and prevented existing queries from expiring.

Apache Jira: [IMPALA-13313](#)

CDPD-71288: Retry HMS fetch failures to keep event-processor active

7.3.1

Metastore event processor enters an error state due to failures in creating a MetaStoreClient or fetching events, which should be retrievable instead.

This issue is now fixed.

Apache Jira: [IMPALA-12561](#)

Some local file descriptors not released when using remote spilling

7.3.1

The issue that occurred during remote spilling when writing spilled data to local buffers has been fixed. The disk space occupied by the file can now be reclaimed.

Apache Jira:: [IMPALA-12681](#)

Handle empty string in StringValue::LargestSmallerString

7.3.1

StringValue::LeastSmallerString() did not account for empty strings, causing potential exceptions by using an invalid length.

The function now checks if the string is empty and returns an empty string if so. The function was also renamed to LargestSmallerString() to clarify its purpose.

Apache Jira:: [IMPALA-12478](#)

CDPD-67493 : ALTER_PARTITION self-event detection for partitions created via INSERT

7.3.1

Fix for incorrect identification on self events.

Apache Jira:: [IMPALA-12356](#)

CDPD-67912 : Failures in processing AbortTxnEvent

7.3.1

Fixes event processing errors when write IDs of an AbortTxnEvent are cleaned up by the HMS cleaner housekeeping threads.

Apache Jira:: [IMPALA-12827](#)

CDPD-67493: Implicit invalidate metadata on event failures

Implicitly invalidates a table instead of resulting in an ERROR state during event processing.

Apache Jira:: [IMPALA-12832](#)

IMPALA-12831: HdfsTable.toMinimalTCatalogObject() failed by concurrent modification

7.3.1

Fix race condition when a table is being invalidated and updated concurrently.

Apache Jira:: [IMPALA-12831](#)

Release JNI array if DeserializeThriftMsg failed

7.3.1

Fix conditional JVM heap leak in array allocation on deserialization failures.

Apache Jira:: [IMPALA-12969](#)

NPE in executing RELOAD events

v

Fixes the possibility of encountering a `NullPointerException` when refreshing a partition that has just been dropped.

Apache Jira:: [IMPALA-12969](#)

Event processing without `hms_event_incremental_refresh_transactional_table`

7.3.1

Fix event processor, which is not synching file metadata for non-partitioned ACID tables when incremental refresh on transactional tables is turned off.



Note:

- This issue only occurs when `hms_event_incremental_refresh_transactional_table` is set to 'false'
- This issue occurs on non-partitioned tables. Partitioned tables are not affected.

Apache Jira:: [IMPALA-12835](#)

Fixed Issues in Hue

Review the list of Hue issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no fixed issues identified in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-80268: Hide logout button when configured with Knox

7.3.1.300

In environments where Hue is configured with Knox, the Hue interface displays the logout button, although logout must be handled by Knox. The logout button is now hidden in the Hue interface when Knox authentication is enabled.

CDPD-76594: Impala Iceberg Table Creation Fails in Hue

7.3.1.300

Previously, creating Iceberg tables in Impala using the Hue importer failed. This issue has now been resolved, allowing seamless table creation.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-72754: Enhanced AI Integration in Hue SQL AI Assistant

7.3.1.100

The Hue SQL AI Assistant now supports Cloudera AI Workbench, Cloudera AI Inference service, and vLLM. These integrations enhance the Hue SQL AI Assistant by enabling the use of private models hosted within Cloudera-managed infrastructure. This ensures enhanced security and privacy while leveraging GenAI for the Hue SQL-related tasks.

- Cloudera AI Workbench: This enables you to securely deploy and run your own models within a virtual private cloud. This configuration enhances control and privacy within your environment. For more information, see [Configure SQL AI Assistant using Cloudera AI Workbench](#).
- Cloudera AI Inference service: Helps in a production-grade serving environment for hosting predictive and generative AI models. This service simplifies model deployment and

maintenance. For more information, see [Configure SQL AI Assistant using Cloudera AI Inference service](#).

- **vLLM:** Provides a customizable environment for running your own language model server. It ensures security and privacy control within your infrastructure. For more information, see [Configure SQL AI Assistant using vLLM](#).

CDPD-72496: File extension restrictions for Hue file uploads

7.3.1.100

Earlier, Hue permitted uploading all file types to the configured filesystems, including unsupported extensions, which posed a security risk.

To enhance security, Hue now allows restricting specific file extensions across all configured filesystems. For example, you can allow .csv file uploads while blocking .exe files. By default, no file extensions are restricted during file uploads.

For more information, see [Managing file extensions for Hue uploads](#).

CDPD-72032: Searching with the application ID and DAG ID is not working in Hive Queries

7.3.1.100

This fix addresses the issue by ensuring that searching using the application ID and DAG ID in the Hive Queries tab of the Job Browser using the Hue Query Processor retrieves the results.

CDPD-71994: Including search within the document as we used to have in CDH

7.3.1.100

In Cloudera, there was a unified search at the top, and the results were not displayed in a tabular format. And these resultant workflows could be copied. This issue is now resolved, and the search is now similar to CDH, where the search result is displayed in a tabular format, and by selecting the results, the workflows can be copied.

CDPD-72777: It's not possible to search a Hue document with the intention to copy it

7.3.1.100

The copy action was not provided in the top search or the left assist filter. This issue is now resolved.

CDPD-71074, CDPD-69265: Hue startup failure resolved on the FIPS-enabled clusters

In the FIPS-enabled clusters, Hue startup failure occurred due to the use of the pycpg2-binary package, which includes an OpenSSL version incompatible with FIPS requirements. The issue now can be resolved by removing the pycpg2-binary package and installing pycpg2 along with its necessary dependencies.

CDPD-67341: Refactor and improve IDBroker support in Hue

7.3.1.100

Refactored the IDBroker support, and more preference is now given to Ranger Authorization Service (RAZ) when both are configured in Hue. Improved the IDBroker HA code section to switch over to a healthy instance correctly and not depend only on the first one for every scenario. This fix also improves Hue page loading performance.

CDPD-66706: HDFS file compression in Hue is failing

7.3.1.100

Hue HDFS file compression feature did not work and failed with an error message in the OOZIE application logs. This issue is now resolved.

CDPD-73657: Fix configuration issues in HiveServer2 Zookeeper discovery to handle failover

7.3.1.100

- Used the correct port number based on the transport mode.
- Updated the port number and Kerberos principal in the new active endpoint.

- Sorted HiveServer2 endpoints by Zookeeper sequence number to ensure the active endpoint is selected.

CDPD-64979: CORS is too permissive for the public APIs

7.3.1.100

This issue is resolved by adding the following three properties to control Cross-Origin Resource Sharing (CORS) under the [desktop] section in the Hue configuration file:

- `cors_enabled`: Used to enable or disable CORS. The default value is True.
- `cors_allow_credentials`: Used to determine whether the server allows cookies in the cross-site HTTP requests. The default value is True.
- `cors_allowed_origins`: A comma-separated list of origins allowed for CORS. For example:

```
[desktop]
cors_allowed_origi
ns=[ ***ORIGIN-1*** ] , [ ***ORIGIN-2*** ] , [ ***ORIGIN-3*** ]
```

If no values are set, then all origins are allowed.

To change the values of these properties, go to Cloudera Manager Clusters Hue Configuration Hue Service Advanced Configuration Snippet (Safety Valve) for `hue_safety_valve.ini`, and specify the configuration in the [desktop] section with the required value. For example, to disable CORS, specify the following:

```
[desktop]
cors_enabled=false
```



Note: You must enable CORS for using public APIs and authenticating using SAML.

CDPD-64286: Hue - Metrics cannot restore database connections on failure

7.3.1.100

This fix resolves an issue where Hue could not establish a new database connection following a backend database restart, ensuring that all metrics are computed consistently after such events.

CDPD-72775: Copies of shared documents are not visible to the user

7.3.1.100

Fixed an issue where copies of shared documents were not visible to the users.

CDPD-62397: Improved default editor selection in Hue configuration

7.3.1.100

Previously, when you tried to log in and access Hue, the first available editor was used by default if multiple editors were configured. This issue is now resolved, allowing you to specify a default editor in the Hue configuration file for all users.

CDPD-57994: Hue import not creating External tables

7.3.1.100

Previously, there was a restriction to create only managed tables with Parquet and Optimized Row Columnar (ORC) formats. This issue is now resolved, and external tables can now be created.

CDPD-71063: Hue - Upgrade eventlet to 0.35.2 and dnspython to 2.6.1 due to CVE-2023-29483

7.3.1.100

Addressed the security fix for CVE-2023-29483 in Hue by ensuring the DNS resolver waits for a valid packet within the full expected time window, thereby providing protection against this type of attack.

Cloudera Runtime 7.3.1

CDPD-65034: Receiving Error " TypeError: 'NoneType' object is not callable" in TCLIService.py when custom headers are being set

7.3.1

When XSRF (Cross-Site Request Forgery) or CSRF (Cross-Site Request Forgery) is enabled in Hive or Impala, you might encounter the error "Error " TypeError: 'NoneType' object is not callable" in TCLIService.py. You can resolve this issue by upgrading to 7.1.9 SP1 CHF 3 or 7.3.1 versions.

Fixed Issues in Apache Iceberg

Review the list of Iceberg issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Fixed issues in Cloudera Runtime 7.3.1.400 SP2

CDPD-85165: Slow HMS metadata summary collection for non-native Iceberg tables

7.3.1.400

When using the Hive MetaTool to generate a metadata summary (MetaToolTaskMetadataSummary), the process was exceptionally slow for databases containing a large number of non-native tables, particularly Iceberg tables.

This issue has now been addressed by introducing a new configuration property, `hive.metatool.summary.nonnative.threads`. This property allows you to specify the number of threads dedicated to collecting summaries for non-native tables like Iceberg. The default value is set to 20.

Apache Jira: [HIVE-28990](#)

Fixed issues in Cloudera Runtime 7.3.1.300 SP1 CHF1

CDPD-75411: SELECT COUNT query on an Iceberg table in AWS times out

7.3.1.300

In an AWS environment, a SELECT COUNT query that is run on an Iceberg table times out because some 4KB ORC file parts cannot be downloaded. This issue occurs because Iceberg uses the positional delete index only if the count of positional deletes are less than a threshold value which is by default, 100000.

This issue has been resolved, and the positional delete index is now always used regardless of the positional delete count, resulting in improved performance.

CDPD-79741: Balance scheduling for consecutive partitions for Iceberg tables

7.3.1.300

During remote read scheduling Impala does the following:

Non-Iceberg tables:

- The scheduler processes the scan ranges in partition key order
- The scheduler selects N executors as candidates
- The scheduler chooses the executor from the candidates based on minimum number of assigned bytes
- Therefore, consecutive partitions are more likely to be assigned to different executors

Iceberg tables:

- The scheduler processes the scan ranges in random order
- The scheduler selects N executors as candidates

- The scheduler chooses the executor from the candidates based on minimum number of assigned bytes
- Therefore, consecutive partitions (by partition key order) are assigned randomly and there is a higher chance of clustering

With this fix, IcebergScanNode orders its file descriptors based on their paths to facilitate a more balanced scheduling for consecutive partitions. This is especially important for queries that prune partitions through runtime filters (due to a JOIN), because it does not matter that we schedule the scan ranges evenly, the scan ranges that survive the runtime filters can still be clustered on certain executors.

Apache JIRA: [IMPALA-12765](#)

CDPD-81311: Unable to query Iceberg tables from Impala

7.3.1.300

After upgrading to Cloudera Runtime 7.3.1.200 or lower versions, you may notice issues while querying Iceberg tables from Impala. An error is reported indicating that the migrated file has unexpected schema or partitioning.

In migrated Iceberg tables, there can be data files with missing field IDs. It is assumed that their schema corresponds to the table schema at the point when the table migration happened, which means field IDs can be generated during runtime. The logic becomes complicated when there are complex types in the table and the table is partitioned. In such cases, some adjustments are required during field ID generation and we verify that the file schema corresponds to the table schema (during migration).

This fix ensures that these adjustments are not needed when the table does not have complex types and therefore schema verification is skipped. As a result, Impala can still read the table if there were some trivial schema changes before migration.

Apache JIRA: [IMPALA-13853](#)

Fixed issues in Cloudera Runtime 7.3.1.200 SP1

CDPD-71365: Support Iceberg 1.3 on Spark 3.5

7.3.1.200

Cloudera Runtime 7.3.1.200 SP1 introduces support for Apache Spark 3.5.4. The Iceberg support for Spark 3.5 is only available in the upstream Iceberg 1.4, however, Cloudera Runtime 7.3.1.200 SP1 offers Iceberg 1.3.

This was addressed and Cloudera ensures that Iceberg 1.3 is compatible with Spark 3.5.4.

CDPD-81709: Update parquet-avro to 1.15.1 due to CVE-2025-30065

7.3.1.200

Due to CVE-2025-30065, schema parsing in the parquet-avro module of Apache Parquet 1.15.0 and earlier versions allows bad actors to execute arbitrary code.

To avoid this CVE, the parquet-avro module is upgraded to version 1.15.1.

Fixed issues in Cloudera Runtime 7.3.1.100 CHF1

CDPD-75667: Querying an Iceberg table with a `TIMESTAMP_LTZ` column can result in data loss

7.3.1.100

When you query an Iceberg table that has a `TIMESTAMP_LTZ` column, the query could result in data loss.

When Impala changes the `TIMESTAMP_LTZ` column to `TIMESTAMP`, it does it by calling `alter_table()` on Hive Metastore (HMS) directly. It provides a Metastore Table object to HMS as the desired state of the table. HMS then persists this table object.

This issue is fixed by avoiding the `alter_table()` call to HMS towards the end of loading the Iceberg table. This avoids the necessity of persisting the schema adjustments that Impala had to do while loading the table.

Apache JIRA: [IMPALA-13484](#)

CDPD-78355: Impala should ignore character case of Iceberg schema elements

7.3.1.100

Impala cannot read Iceberg tables written by Apache Spark that contain schema elements in uppercase or lowercase letters.

Schema is case insensitive in Impala, however, Spark allows creation of schema elements with uppercase or lowercase letters and stores them in the metadata JSON files of Iceberg.

With this fix, Impala invokes `Scan.caseSensitive(boolean caseSensitive)` on the `TableScan` object to set case insensitivity.

Apache JIRA: [IMPALA-13463](#)

CDPD-78362: Schema resolution does not work for migrated partitioned Iceberg tables that have complex types

7.3.1.100

Schema resolution does not work correctly for migrated partitioned Iceberg tables that have complex data types. This fix addresses the field ID generation by taking the number of partitions into account. If none of the partition columns are included in the data file (common scenario), file-level field IDs are adjusted accordingly. You could also come across a scenario where all the partition columns are included in the data files.

However, if some partition columns are included in the data file while other partition columns are not, an error is generated.

Apache JIRA: [IMPALA-13364](#)

CDPD-78540: DELETE statement throws DateTimeParseException when deleting from DAY-partitioned Iceberg tables

7.3.1.100

Due to an issue in `IcebergDeleteSink`, Impala cannot successfully run a `DELETE` operation on Iceberg tables that are partitioned by time-based transforms (`YEAR`, `MONTH`, `DAY`, `hour`).

This fix addresses the error by adding functions that transforms the partition values to their human-readable representations. This is done in the `IcebergDeleteSink` so that the Catalog-side logic is not affected.

Apache JIRA: [IMPALA-12557](#)

CDPD-78562: Iceberg tables have a large memory footprint in catalog cache

7.3.1.100

This fix clears the `GroupContentFiles` after they are used.

`GroupContentFiles` stores the file descriptors in Iceberg's format and is used for creating file descriptors in Impala's format. Once the creation is complete, we do not have to retain the Iceberg `ContentFiles`. Dropping this can significantly reduce the memory footprint of an Iceberg table.

For example, the memory size of a test Iceberg table containing 110k files was reduced from 140MB to 80MB after cleaning the `GroupContentFiles`.

Apache JIRA: [IMPALA-11265](#)

Fixed issues in Cloudera Runtime 7.3.1

CDPD-48395: Upgrade the Parquet version to 1.12.3 for Hive

7.3.1

This fix upgrades the Parquet version for Hive to 1.12.3, which is the same Parquet version that is used for Iceberg.

Fixed Issues in Kafka

Review the list of Kafka issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues for Kafka in this release.

Cloudera Runtime 7.3.1

CDPD-65649: ReplicaAlterLogDirs stuck with Offset mismatch for the future replica

7.3.1

This is a backported fix, see [KAFKA-9087](#) for more information.

CDPD-66986: Mirrormaker 2 auto.offset.reset=latest not working

7.3.1

This is a backported fix, see [KAFKA-13988](#) for more information.

OPSAPS-71258: Kafka, Streams Replication Manager, and Streams Messaging Manager cannot process messages compressed with Zstd or Snappy if /tmp is mounted as noexec

7.3.1

The issue is fixed by using JVM flags that point to a different temporary folder for extracting the native library.

CDPD-71433: Connect logical type null values are not handled in AvroConnectTranslator

7.3.1

When the time.precision.mode property is set to connect for the Debezium connector, the connect logical types are used and null values are now handled.

OPSAPS-69481: Some Kafka Connect metrics missing from Cloudera Manager due to conflicting definitions

7.3.1

Cloudera Manager now registers the metrics kafka_connect_connector_task_metrics_batch_size_avg and kafka_connect_connector_task_metrics_batch_size_max correctly.

Fixed Issues in Kudu

Review the list of Kudu issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:**CDPD-82273: Backport KUDU-3661 Ranger policy not honored in Kudu**

Fixed an issue in the Ranger authorization provider that could cause some table privileges to be missing in certain environments. This happened when processing the SELECT privilege, which caused the system to stop checking for additional permissions. The issue was primarily seen on RHEL/CentOS 8 systems due to platform-specific behavior in the underlying system libraries.

CDPD-82275: Run a range-aware cluster rebalance with multiple tables

Previously, when rebalancing a cluster with the Kudu command-line tool, the `--enable_range_rebalancing` flag required the `--tables` flag to specify exactly one table. This fix removes that restriction. You can now pass multiple tables to the `--tables` flag when range rebalancing is enabled. Range-partitioned tables among those specified will be rebalanced with ranges considered, while other tables rebalance as usual. If you do not set the `--tables` flag, all tables in the cluster will be rebalanced.

CDPD-81231: Backport KUDU-3638, disable KUDU-3486 behavior by default

This fix addresses an issue with tombstoned tablets caused by functionality introduced in KUDU-3486. The fix disables this functionality. To re-enable the behavior, adjust the `--tserver_send_tombstoned_tablets_report_interval_secs` flag as needed.

CDPD-81229: Backport KUDU-3647 more robust zlib wrapper code

This fix improves robust error handling for the utility wrappers `zlib::CompressLevel`, `Uncompress`()(). It also resolves a data corruption issue in `Base64Decode()`, where trailing bytes encoded as 'A' were previously discarded.

CDPD-81234: Backport KUDU CVE fixes

This fix addresses recently identified security vulnerabilities. The following third-party components have been upgraded:

- protobuf: Upgraded to address CVE-2022-3171.
- zlib: Upgraded to address CVE-2022-37434.
- curl: Upgraded to address CVE-2024-11053.

Resolved a long-standing bug by fixing a race condition within the `OpDriver`. This fix improves stability and ensures the expected behavior of the driver.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-78316: Disable KUDU-3367 behavior by default**

This fix addresses an issue with major delta compaction caused by functionality introduced in KUDU-3367. The fix disables the functionality by adjusting the default value of the `-all_delete_op_delta_file_cnt_for_compaction` flag. While the original functionality was intended to optimize Kudu deployments of early versions, the functionality introduced by KUDU-3367 isn't relevant for data generated by Kudu servers in Cloudera Base on premises 7.1.1 and newer versions.

Apache Jira: [KUDU-3619](#).

Cloudera Runtime 7.3.1**KUDU-3576: Fix the Connection timeout After Tablet Server Restart**

7.3.1

In Kudu, if a Java client application maintains an open connection to a tablet server and the tablet server is restarted or encounters a network error, the client cannot re-establish communication with the tablet server even after it comes back online. The fix resolves the issue by updating the Kudu Java client.

Apache Jira: [KUDU-3576](#)

KUDU-3496: Support for SPNEGO dedicated keytab

7.3.1

Kudu now supports configuring a dedicated Spnego keytab.

Apache Jira: [KUDU-3496](#)

KUDU-3524: Fix crash when sending periodic keep-alive requests

7.3.1

The fix ensures that Kudu clients do not crash when sending keep-alive requests.

Apache Jira: [KUDU-3524](#)

KUDU-3497: Optimize leader rebalancer algorithm

7.3.1

Optimized the leader balancing algorithm to effectively handle corner cases detailed in the Jira.

Apache Jira: [KUDU-3497](#)

KUDU-3447: Limit the usage of network bandwidth of tablet copying

7.3.1

Two new flags are introduced in Kudu CLI tools to copy tablets `kudu tablet copy_from_remote` command to limit the speed of the copy task and avoid resource contention.

Apache Jira: [KUDU-3447](#)

KUDU-3353: Add an immutable attribute to column schema

7.3.1

Introduced Immutable column. It's useful to represent a semantically constant entity.

Apache Jira: [KUDU-3353](#)

KUDU-3351: Add insert error count metrics in WriteResponsePB

7.3.1

Statistics on various write operations are now available via Kudu client API at the session level.

Apache Jira: [KUDU-3351](#)

KUDU-3526: Scanner should bound with a tserver in java client

7.3.1

The scanner in the Kudu Java client now binds with the Kudu tablet server. This prevents scanning failures that occur when scanning from the leader replica and leadership changes to a different replica.

Apache Jira: [KUDU-3526](#)

Fixed Issues in Apache Knox

Review the list of Knox issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

OPSAPS-73038: False-positive port conflict error message displayed in Cloudera Manager

This issue is fixed now. A new health port has been added as a configuration to the Knox configuration. The health topology port can be set with topology port mapping. By setting the new configuration, the checkDeployment script will use the new health port.

CDPD-81958: Improve cookie security in Knox-proxied web UIs with Secure and HttpOnly attributes

The pac4jCsrfToken cookie has now both Secure and HttpOnly flags in Knox proxied applications, improving the security provided by Knox.

Apache JIRA: [KNOX-3134](#)

Cloudera Runtime 7.3.1.400 SP2**CDPD-8148: Knox UI session timeout is not working with SAML authentication**

This issue is resolved by the pac4j.cookie.max.age parameter introduced for the pac4j provider, which Knox uses for SAML authentication. This parameter enforces cookie timeout for the cookies created by the pac4j provider.

To set the pac4j.cookie.max.age parameter, go to Cloudera Manager Knox Configuration , and add the following value to the Knox Simplified Topology Management - SSO Authentication Provider field: federation.param.pac4j.cookie.max.age={value}

Apache JIRA: [KNOX-3077](#)

Cloudera Runtime 7.3.1.300 SP1 CHF 1**CDPD-27801: Knox is missing HSTS header for HTTP 404 responses**

7.3.1.300, 7.2.18.1000

Resolved an issue where Knox was missing the HTTP Strict-Transport-Security response header (HSTS) in HTTP 404 responses. The global HSTS header can now be configured to be included in all HTTP responses.

To configure the HSTS header, go to Cloudera Manager Knox Configuration , search for the Knox Service Advanced Configuration Snippet (Safety Valve) for conf/gateway-site.xml property, and set the following parameters to true:

- gateway.strict.transport.enabled
- gateway.strict.transport.option: (Optional) Use this parameter to specify a timeout value for the HTTPS header. This parameter is applicable only if gateway.strict.transport.enabled is set to true.

Apache JIRA: [KNOX-3111](#)

CDPD-73368: Knox token management is not working if Cookie Management is enabled

7.3.1.300

Users can now access the Token Management page from the Knox Gateway UI by using KnoxSSO even if Cookie Management is enabled.

Apache JIRA: [KNOX-3060](#)

CDPD-74843: Logs missing in third-party libraries

7.3.1.300

Resolved an issue where third-party libraries had missing logs due to a missing log4j library, which affected the ability to diagnose and troubleshoot issues.

CDPD-78656: Health test for Knox fails if the gateway.client.auth.needed = true is set

7.1.9 CHF7, 7.3.1.300

Resolved an issue where the health test for Knox Gateway failed if the gateway.client.auth.needed parameter was set to true.

For the TLS Mutual Authentication to work, you must exclude the health topology. To do this, go to Cloudera Manager Knox Configuration , locate the Knox Service Advanced Configuration Snippet (Safety Valve) for conf/gateway-site.xml field, and add a new entry with the following parameters:

```
Name = gateway.client.auth.exclude  
Value = health
```

For more information on excluding the topology, see the [Apache Knox Documentation](#).

Cloudera Runtime 7.3.1.200 SP1

CDPD-77233: Knox Token TTL value of -1 set to never expire

7.3.1.200

Fixed an issue where the Knox Token API raised an UnknownTokenException error if the lifespan value of Knox Token TTL was set to -1.

Apache JIRA: [KNOX-3075](#)

CDPD-79963: Knox service might fail due to JARs picked up from the /usr/share/java folder

7.3.1.200

Knox service might fail due to Java Archive (JAR) files picked up from the /usr/share/java folder.

This issue is now fixed.

Apache JIRA: [KNOX-3108](#)

CDPD-76104: Unable to update the log level for Knox from Cloudera Manager

7.3.1.200

Users were not able to change the log level for Knox from Cloudera Manager. This impacted debugging in case of errors.

This issue is now fixed.

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-74114: Proxyuser groups are not included in POST and PATCH requests

7.3.1.100

Fixed an issue where group headers were not added to POST and PUT requests.

Apache Jira: [KNOX-3062](#)

Cloudera Runtime 7.3.1

CDPD-73275: HTTP 404 responses while Knox is redeploying topologies

7.3.1

While you were redeploying topologies, Knox returned HTTP 404 responses.

Knox no longer returns HTTP 404 responses during topology redeployment, but returns HTTP 503 instead.

CDPD-70313: KNOX did not send Authentication header on FIPS configuration

7.3.1

KNOX neither sent the authentication header nor hadoop.auth cookie that was why the SMM UI sent back the HTTP 401 response and set the "www-authenticate": "Negotiate" header. Because of this, the SMM UI was inaccessible through Knox.

This issue is fixed now.

CDPD-69305: /plugins/policies/importPoliciesFromFile API returns 500 service connectivity error through Knox Proxy

7.3.1

The fix imports large policy files using the Ranger importPoliciesFromFile API through Knox.

Apache patch information

- KNOX-3073
- KNOX-3058
- KNOX-3055
- KNOX-3054
- KNOX-3053
- KNOX-3052
- KNOX-3050
- KNOX-3049
- KNOX-3045
- KNOX-3040
- KNOX-3038
- KNOX-3037
- KNOX-3036
- KNOX-3029
- KNOX-3028
- KNOX-3026
- KNOX-3024
- KNOX-3023
- KNOX-3022
- KNOX-3020
- KNOX-3019
- KNOX-3018
- KNOX-3017
- KNOX-3016
- KNOX-3012
- KNOX-3007
- KNOX-3006
- KNOX-3005
- KNOX-3002
- KNOX-3001
- KNOX-3000
- KNOX-2994
- KNOX-2985
- KNOX-2983
- KNOX-2980
- KNOX-2979
- KNOX-2978
- KNOX-2976
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- KNOX-2970
- KNOX-2969

- KNOX-2968
- KNOX-2966
- KNOX-2963
- KNOX-2961
- KNOX-2960
- KNOX-2959
- KNOX-2958
- KNOX-2955
- KNOX-2951
- KNOX-2949
- KNOX-2948
- KNOX-2947
- KNOX-2946
- KNOX-2929
- KNOX-2896
- KNOX-2881

Fixed Issues

This section lists the issues in Livy that are fixed in Cloudera Runtime 7.3.1 release, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no new fixed issues in this release.

Cloudera Runtime 7.3.1

OPSAPS-71873 - UCL | CKP4| livyfoo0 kms proxy user is not allowed to access HDFS in 7.3.1.0

Cloudera Manager 7.13.1.0

In the kms-core.xml file, the Livy proxy user is taken from Livy for Spark 3's configuration in Cloudera on premises version 7.3.1 and above.

CDPD-73324 - LIVY_FOR_SPARK3 goes into down with Invalid Keystore format error in FIPS cluster

7.3.1

Fixed an issue that caused LIVY_FOR_SPARK3 to go into a bad state with Invalid Keystore format error in a 7.3.1 FIPS cluster.

Fixed Issues in Oozie

Review the list of Oozie issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2**CDPD-84224: test_oracle_import_with_arithmetic_exception fails due to missing error message in YARN log**

7.3.1.400

The Sqoop binary was not correctly updated on the Oozie sharelib, hence the pre-upgrade version of the Sqoop was used, which did not contain the necessary log message. After resolving that issue, the affected executions are now successful.

CDPD-78506: Fix PATH environment variable creation for Shell action

7.3.1.400

With this fix, in Oozie's shell actions, the PATH environment variable is evaluated based on the YARN NodeManager host's settings. So, the PATH environment variable applies to the Launcher AM container when executed, rather than being evaluated on the Oozie server's JVM (the legacy method). You can revert to the legacy behavior by setting `oozie.action.shell.setup-path-in-oozie-server` to `true` in `oozie-site.xml`.

Also, from now, Oozie also allows defining action-specific environment variables using `oozie.launcher.<***ACTION_TYPE***>.action.env.<***VARIABLE_NAME***>` allowing you to customize execution environments for each action type in the Launcher AM.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1**CDPD-78069: Oozie action configuration's Java opts are not applied after CDPD-60551**

7.3.1.200

Added the ability to configure a list of Hadoop properties that can be passed to the Oozie launcher configuration, if they are not already set in Oozie through `oozie.launcher.<hadoop property key>` or within its workflows.

The default properties in this list are: `yarn.app.mapreduce.am.admin-command-opts` and `yarn.app.mapreduce.am.command-opts`. These defaults can be overridden by setting a comma-separated list in the `oozie.service.HadoopAccessorService.global.yarn.java-options-keys` property. The `oozie.LauncherConfigurationInjector.hadoop.search.properties` is now deprecated.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-68425: Oozie should validate the backend database identifiers in a case-insensitive way**

7.3.1.100

Resolved an issue where Oozie incorrectly reported missing tables due to issues with table name casing.

CDPD-76135: Schema check database connection throws SQLException

7.3.1.100

The schema check now completes successfully during Oozie startup for secure database connections or when custom connection properties are used, preventing warnings from appearing in the logs.

Cloudera Runtime 7.3.1**CDPD-70422: Cannot enforce Oozie parameter oozie.http.hostname**

7.3.1

A new property named `oozie.http.bind.hostname` is now introduced to specify the interface that the Oozie Server must be using. This overrides `oozie.http.hostname` set by Cloudera Manager for both HTTP and HTTPS.

CDPD-71117: Oozie server does not pass action start time to action conf causes a restarting launcher doesn't find child apps

7.3.1

Whenever Yarn restarted the Oozie Launcher AM, Oozie could not find the previously started child jobs due to a missing original start timestamp from the Oozie Server. And the previously started child Jobs were not terminated when the Launcher AM was restarted. This issue is now resolved.

CDPD-48664: Retry mechanism anomaly in Oozie with High Availability enabled

7.3.1

There was an issue with the retry mechanism in Oozie when High Availability was enabled. This issue is now resolved.

CDPD-49745: Expand app_path column in *_JOBS tables to allow HDFS paths longer than 255 characters

7.3.1

The APP_PATH column now supports storing paths longer than 255 characters.

Fixed Issues in Apache Parquet

Review the list of Parquet issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Fixed issues in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new fixed issues in this release.

Fixed issues in Cloudera Runtime 7.3.1.200 SP1**CDPD-81756: Restrict trusted packages in the parquet-avro module**

7.3.1.200

Due to CVE-2025-30065, schema parsing in the parquet-avro module of Apache Parquet 1.15.0 and earlier versions allows bad actors to execute arbitrary code.

To prevent this CVE, users must specify all the trusted packages in the org.apache.parquet.avro.SERIALIZABLE_PACKAGES environment variable. If the user does not want to specify the override property, then the following packages that are trusted by default are allowed — java.lang, java.math, java.io, java.net, org.apache.parquet.avro.

Fixed issues in Cloudera Runtime 7.3.1.100 CHF1

There are no fixed issues in this release.

Fixed issues in Cloudera Runtime 7.3.1

There are no fixed issues in this release.

Fixed Issues in Phoenix

Review the list of Phoenix issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3**CDPD-83528: Phoenix salted table range scan issue**

During a range scan operation on a salted table, data residing in the final salt bucket may not be fully scanned. This issue occurs under specific conditions related to region splits, affecting the salted tables configured for distributed data storage to optimize performance.

This issue is resolved now.

Apache Jira: [PHOENIX-7580](#)

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1**CDPD-77685: In Apache Phoenix, a mixed-cased alias does not work in the select statement of INNER JOIN**

This issue is resolved now.

Apache Jira: [PHOENIX-7491](#)

CDPD-77716: In Apache Phoenix, subqueries that involve both JOIN and UNION fail to work correctly when one side of the UNION yields no results

This issue is now resolved by clearing the dependency map, once all the values within it are marked as closed.

Apache Jira: [PHOENIX-7492](#)

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1**OPSAPS-71553: OMID TSO server role fails during cluster installation**

High Availability (HA) configuration generation is based on the number of nodes instead of a parameter in OMID.

OPSAPS-70507: ZDU runtime upgrade from 719 CHF4 to 7.3.0.1 fails for OMID

The OMID update issue is fixed.

OPSAPS-69838: OMID cannot connect contact the ZooKeeper cluster

OMID now connects to a secure port of ZooKeeper if TLS is enabled. Earlier it failed to communicate because port unification was missing.

OPSAPS-68583: ZooKeeper SSL/TLS support for OMID

OMID supports a secure connection to ZooKeeper if AutoTLS and ZooKeeper TLS are enabled.

OPSAPS-57949: OMID integration to Cloudera Manager

OMID now supports integration into the Cloudera Manager.

Fixed Issues in Ranger

Review the list of Ranger issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

CDPD-83255: Ranger docker support for Knox, RAZ, and Atlas

Ranger docker support has been added for the following services: Knox, RAZ, and Atlas.

CDPD-81962: Raz supports authorization for CAII (Cloudera AI Inference) service

To support authorization for CAII, the following configurations have been added for services supported by RAZ:

- service.admin.users
- service.admin.groups

Cloudera Runtime 7.3.1.400 SP2

CDPD-78680: Selected long string values getting truncated in the react-select control

In Ranger React UI, the react-select input values are getting truncated for long values.

This issue is fixed. The selected long input string values are not getting truncated on Ranger React UI.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-80492: Tomcat upgrade to 9.0.99+

Upgraded Tomcat to 9.0.99+ to address CVE-2025-24813.

CDPD-80018: Concurrent policy label update leads to an infinite loop

Concurrent updates to policy labels for a policy lead to an infinite loop causing the Ranger database to crash. Concurrent policy label update and underlying policy deletion also result in the same behavior.

Fixed concurrent updates to policy labels. Policy label updates are skipped if the underlying policy gets deleted.

Cloudera Runtime 7.3.1.200 SP1

CDPD-79911: Upgrade netty to 4.1.118.Final

Ranger: Upgraded netty to 4.1.118.Final due to CVE-2025-24970, CVE-2025-25193.

CDPD-79778: Issue in APPEND mode while writing Ranger audits to HDFS

Ranger audits to HDFS currently use APPEND mode in case of errors or exceptions encountered in writing audits to HDFS destination (to prevent large number of audit files), and falls back to WRITE mode if unable to APPEND.

The issue is fixed now. A configuration parameter to enable APPEND mode while writing Ranger audits to HDFS is added.

CDPD-79460: RMS full-sync breaks due to unsupported schema

RMS supports HDFS and Ozone file-system in private cloud and S3 in public cloud. The supported file schema types are hdfs, s3a, o3fs, and ofs. If Hive table location was stored at other file-system which was not supported by the RMS, then full-sync threw exception, due to unsupported schema. The full-sync was never completed.

This fix skips the unsupported file schema types while processing table and database metadata during full-sync and delta-sync in RMS. Therefore, table and database locations stored at other file-system, which is not supported by the RMS, are not mapped and appropriate messages are logged in RMS server log file.

CDPD-78195: Enhance the audit generated in Ranger during data discovery call from REST Catalog API

The audit generated in Ranger during data discovery call from the REST Catalog API is now enhanced. Calls such as list Databases / ListTables did not have the correct access Types and are enhanced to provide details on the operation.

CDPD-77093: HBase scan operation returns denied columns in result

In some cases, Ranger authorization returned access results of some HBase data even when the user was not entitled to do so.

This issue is fixed now.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-78204: Alter Rename should not check for the CREATE permission on the database in which renamed table is created**

Alter rename command does not require CREATE permission on the database in which renamed table is created.

CDPD-78072: Set role command was not audited by Ranger

The issue is fixed now. Ranger now supports the auditing of the SET ROLE command for Hive plugin.

CDPD-77948: CSV injection vulnerability during CSV and Excel file export

When policies are created with the special characters mentioned in the document, there were vulnerabilities which can be exploited.

The issue is fixed now. Checks have been added to ensure whenever such characters are present, a space after it is added.

CDPD-77093: Hbase scan operation returns denied columns in result

In some cases, Ranger authorization returns access results of some HBase data even when the user is not entitled to.

This issue is fixed now.

CDPD-76662: RMS server threw ConcurrentModificationException

The original ConcurrentModificationException was likely thrown when the resource-mappings were modified in response to changes in the Hive metadata while they were being serialized for downloading to the NameNode (or secondary-namenode).

The fix is to create a shallow copy of resource-mappings before applying deltas which ensures that resource-mappings are not modified while they are being serialized for downloading to the NameNode.

CDPD-76630: Ranger Audit Filter for the HBase service was not working as expected

On the service creation page, while adding audit filters, the resources column includes an Include/Exclude switch for most resources. The issue was arising when selecting an option in the switch:

- If Include was selected, the isExclude parameter should be false, but it was incorrectly set to true.
- If Exclude was selected, the isExclude parameter should be true, but it was incorrectly set to false.

Due to this incorrect mapping, the switch values were reversed, causing the audit filter values to be set incorrectly. As a result, incorrect audit access logs were generated.

The issue is fixed now.

CDPD-76131: A ResourceTrie node referring to modified policy-evaluator was removed even when it contained wildcard-evaluator(s)

If the policy-deltas were enabled, then when two policies had a common subset of resources and were defined on same user (or subset of users, through groups or direct users), that time if one

of these policies was modified (on anything: name, resource, user), it was the only one in effect during access evaluation, until the underlying service was restarted. The underlying cause was a ResourceTrie node referring to modified policy-evaluator was removed even when it contained wildcard-evaluator(s).

This fix removes self node from the resourceTrie only if it has no children, no evaluators, and no wildcard-evaluators.

CDPD-75947: Support SASL bind for Ranger Usersync with AD/LDAP

Usersync of Ranger supports GSSAPI SASL Bind. For more information see, .

CDPD-75105: Performance fixes for Ozone plugin

Fixed the performance issues observed while evaluating policies for multi-level resources:

- RANGER-4893: Improves policy evaluation for multilevel resource hierarchies.
- RANGER-4922: Reduces time to find tags associated with multilevel resources.

CDPD-72979: Ranger Tagsync did not support Ozone OFS paths/O3FS recursive feature

There was no support for OFS path/O3FS recursive feature in 7.3.1. So while you upgraded from 7.1.9 SP1 CHF3 or higher to 7.3.1, you saw a regression.

This issue has been fixed now in 7.3.1 CHF1. Ozone keys will now be recursively checked for tags and tag based policies. So, tags applied for parent directory will be applicable to subdirectories too. If you are already using tag based policies for Ozone keys and upgrading from 7.1.9 SP1 CHF2 or lower or 7.3.1, and you want the new behavior (i.e. isRecursive=true) for old tagged keys, you need to retag these keys in Atlas.

Common Vulnerabilities and Exposures (CVE) that is fixed in this CHF:

[CVE-2024-55532](#) - Apache Ranger

Cloudera Runtime 7.3.1

CDPD-73663: RMS server threw ConcurrentModificationException

The original ConcurrentModificationException was likely thrown when the resource-mappings were modified in response to changes in the Hive metadata while they were being serialized for downloading to the NameNode (or secondary-namenode).

The fix is to create a shallow copy of resource-mappings before applying deltas which ensures that resource-mappings are not modified while they are being serialized for downloading to the NameNode.

CDPD-73326: Reduce memory needed to create Ranger policy engine

Ranger policy engine creates a RangerPolicyResourceMatcher object for every resource specified either in policy or in a tag association. PolicyResourceMatcher, for the services that have more than one level in their resource hierarchy, consists of RangerResourceMatcher objects for each level in the resource-level hierarchy for the resource. In many cases, this leads to creation of multiple RangerResourceMatchers with identical resource specification.

The fix for this issue avoids creation of multiple RangerResourceMatcher objects by maintaining a cache of them in the RangerPluginContext object associated with the Ranger policy engine, thereby reducing policy engine's memory needs.

CDPD-73144: Trie to support processing of evaluators during traversal

Ranger policy engine uses trie data structure to organize resources for faster retrieval of policies/tags/zones associated with a given resource. When a resource consists of multiple elements, like database/table/column, as many trie instances are consulted to retrieve policies/tags/zones associated with the resource. Such multi-trie retrieval can be optimized with a 2-pass traversal - first pass to get count and the second pass to get the actual objects. Trie data structure used in Ranger policy engine should be updated to support this optimization.

Now, Trie to support processing of evaluators during traversal is enhanced.

CDPD-73102: Access issues for s3 express buckets

Fixed S3 Express bucket access with RAZ enabled in all regions.

CDPD-72203: Users observing role change from ROLE_SYS_ADMIN to ROLE_USER

Fixes role reset (to USER role) for users in usersync paged requests to ranger-admin.

CDPD-71719: Ranger override policy was not working

Ranger override policy was not allowing the access even though all permissions were given to the user.

This fix ensures that once all of the requested accesses are successfully allowed by (possibly multiple) Ranger policies, the access evaluation terminates with access allowed as the result.

CDPD-70081: "Drop database cascade" resulted in dropping of a table on which the user did not have access

Drop database cascade failed if the user did not have access to one or more of the underlying tables. It deleted the tables the user had access to but not others which caused the database to be not dropped as well.

This issue is fixed now.

CDPD-69488: Upgrade failure due to NPE in PatchForUpdatingServiceDefJson_J10058

Patch upgrade error failure in non-default service-def is fixed now.

CDPD-69305: /plugins/policies/importPoliciesFromFile API returns 500 service connectivity error through Knox Proxy

The fix imports large policy files using the Ranger importPoliciesFromFile API through Knox.

CDPD-68921: Exclude flag not taking effect for Ozone key resource in Ranger policy

Fix for exclude flag not taking effect for Ozone key resource in Ranger policy has been added.

CDPD-68853: Create function and Drop function commands are not supported when Ranger plugin is enabled

Support for Create and Drop function commands in Ranger trino plugin has been added.

CDPD-68827: Alter materialized view command is not working when Ranger plugin is enabled

Added support for Alter materialized view command in Ranger trino plugin.

CDPD-68826: Refresh materialized view command is not working when Ranger plugin is enabled

Added support for Refresh materialized view command in Ranger trino plugin.

CDPD-68376: Enable policy and tag deltas for Ranger admin and plugins by default

Policy and tag deltas for Ranger admin and plugins are enabled by default.

CDPD-68238: Update operations are not supported when Ranger plugin is enabled

The fix enables support for the update statement in the Ranger Trino plugin.

CDPD-67823: Ranger RMS gives all permissions to the user through the Create permission

An additional check is now made to ensure that the user attempting to alter a HDFS directory that maps to the Hive database is owner of the Hive database for the attempted operation is allowed.

CDPD-67193: Issue with inactivityTimeout getting reset

The inactivityTimeout was getting reset when a user updated its profile from the UserProfile page.

Fixed issue of not resetting inactivityTimeout to a default value of 15 minutes when user updates its profile from UserProfile page on Ranger Admin UI.

CDPD-66842: Ranger Admin server gives empty response

Ranger Admin server gave an empty response when a user with user-role tried to update lastname or email address.

The issue is fixed now. Error response with message will be shown when a user with user-role tries to add/update last name or email address.

CDPD-66839: Enhance perf-tracer to get CPU time when possible

Ranger module is instrumented with performance measurement code. It enables performance logging for the module and helps in measuring the amount of time spent during execution of various methods/functions during its operation. For achieving more precise time measurement, this feature supports nanosecond precision when the JVM version supports it.

CDPD-66624: Transform URLs with or without “/” at the end issue

The fix enables the transformation step handle “/” at the end of the path.

CDPD-66404: Merging apache ranger jiras for handling local storage data for column show/hide functionality

Implemented Column Hide/Show functionality in Audit Plugin Status tab.

CDPD-66358: HS2 logs having a huge number of WARN logs

HS2 logs had a huge number of WARN logs from RangerHiveAuthorizer regarding connection to HMS for fetching Hive object owner.

This fix addresses the issue where HS2 logs have a huge number of WARN logs.

CDPD-66136: Display of query information for Show databases/schemas command on Ranger Admin UI

In Ranger React UI, if the resource type for certain commands were logged as "null" in the audits, then in the access audits, the information of the query/operations performed would not be displayed.

This ticket addresses the issue and displays the query/operation information for access audits where the resource type was "null".

CDPD-66092: Ranger Javapatch failure even if service-defs do not exist in Ranger DB

Added support to upgrade non-default service-defs in Ranger.

CDPD-65923: Audit logs for Mask and Row policy does not show policy condition under policy item

The fix now shows policy conditions under policy items for Mask and Row policy Audit logs.

CDPD-65650: Pagination missing on the Ranger Admin - Plugin Status page

This fix offers the following:

- Sorting works properly after this patch.
- Pagination added.

CDPD-63891: Backport the ranger-trino changes from upstream to downstream

Trino support in Ranger has been added.

OPSAPS-70838: Flink user should be add by default in ATLAS_HOOK topic policy in Ranger >> cm_kafka

The "flink" service user is granted publish access on the ATLAS_HOOK topic by default in the Kafka Ranger policy configuration.

OPSAPS-69411: Update AuthzMigrator GBN to point to latest non-expired GBN

Users will now be able to export sentry data only for given Hive objects (databases and tables and the respective URLs) by using the config "authorization.migration.export.migration_objects" during export.

OPSAPS-68252: "Ranger RMS Database Full Sync" option was not visible on mow-int cluster setup for hrt_qa user (7.13.0.0)

The fix makes the command visible on cloud clusters when the user has minimum EnvironmentAdmin privilege.

Apache Patch information

- RANGER-4973
- RANGER-4972
- RANGER-4960

- RANGER-4933
- RANGER-4912
- RANGER-4905
- RANGER-4893
- RANGER-4833
- RANGER-4823
- RANGER-4819
- RANGER-4818
- RANGER-4802
- RANGER-4799
- RANGER-4798
- RANGER-4797
- RANGER-4796
- RANGER-4791
- RANGER-4786
- RANGER-4782
- RANGER-4781
- RANGER-4780
- RANGER-4774
- RANGER-4767
- RANGER-4753
- RANGER-4747
- RANGER-4745
- RANGER-4737
- RANGER-4729
- RANGER-4722
- RANGER-4720
- RANGER-4718
- RANGER-4717
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- RANGER-4699
- RANGER-4698
- RANGER-4690
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- RANGER-4688
- RANGER-4681
- RANGER-4673
- RANGER-4668
- RANGER-4653
- RANGER-4641
- RANGER-4611
- RANGER-4609
- RANGER-4607
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- RANGER-4532
- RANGER-4515
- RANGER-4513
- RANGER-4492
- RANGER-4370
- RANGER-4303
- RANGER-4278
- RANGER-4261
- RANGER-4229
- RANGER-4221
- RANGER-4172
- RANGER-4010
- RANGER-3805
- RANGER-3772
- RANGER-3759
- RANGER-3745
- RANGER-3657
- RANGER-3182
- RANGER-3174

Fixed Issues in Schema Registry

Review the list of Schema Registry issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

CDPD-79108: The KerberosBasicAuthenticationHandler used by Schema Registry and Streams Messaging Manager can not handle colon in password

7.3.1.200

The KerberosBasicAuthenticationHandler is now capable of handling colons in passwords.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

OPSAPS-68708: Schema Registry might fail to start if a load balancer address is specified in Ranger

7.3.1

Schema Registry now always ensures that the address it uses to connect to Ranger ends with a trailing slash (/). As a result, Schema Registry no longer fails to start if Ranger has a load balancer address configured that does not end with a trailing slash.

Fixed Issues in Apache Solr

Review the list of Solr issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.500 SP3

CDPD-87276: Upgraded the poi-ooxml version to 5.4.0+

The poi-ooxml Java library version is upgraded to 5.4.0 due to CVE-2025-31672.

CDPD-83454: Solr authentication bypass issue

This fix handles a Solr authentication bypass flaw that allowed unauthorized users to access protected APIs.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

OPSAPS-71690: Update control group V2 configuration parameters

The default values of the control group (CGroup) V2 configuration parameters are updated in Cloudera Manager for the Solr service. The following table describes the default values of the corresponding V2 parameters.

Parameter name	Default values
memory.high	-1
memory.max	-1
io.weight	100
cpu.weight	100

For more information on CGroup V2 parameters, see [Configuring Resource Parameters](#).

Technical Service Bulletins

TSB-847: CVE-2025-30065 Apache Parquet vulnerability

On April 1, 2025, a critical vulnerability in the parquet-avro module of Apache Parquet (CVE-2025-30065, CVSS score 10.0) was announced.

Remediation for affected versions

The Cloudera Search release patched through the Cloudera platform updates for Cloudera on cloud and Cloudera on premises.



Note: Cloudera will not provide remediation options for unsupported versions, and has not tested mitigations on unsupported versions. Customers are advised to upgrade to a supported product version. For more information, refer to the [Support Lifecycle Policy](#) page.

Vulnerability details

Exploiting this vulnerability is only possible by modifying the accepted schema used for translating Parquet files and subsequently submitting a specifically crafted malicious file.

Schema parsing in the parquet-avro module of Apache Parquet 1.15.0 and previous versions allows bad actors to execute arbitrary code. Attackers may be able to modify unexpected objects or data that was assumed to be safe from modification. Deserialized data or code could be modified without using the provided accessor functions, or unexpected functions could be invoked.

Deserialization vulnerabilities most commonly lead to undefined behavior, such as memory modification or remote code execution.

Action required - Mitigation for affected Cloudera products:

Until the upgrade with Apache Parquet 1.15.1 or higher is available:

1. Utilize a File Integrity Monitoring (FIM) solution. This allows administrators to monitor files at the filesystem level and receive alerts on any unexpected or suspicious activity in the schema configuration.
2. Monitor network activity for any transmission of Parquet files, and alert on any unexpected activity.
3. Be cautious with Parquet files from unknown or untrusted sources. If possible, do not process files with uncertain origin or that came from outside the organization.
4. Ensure that only authorized users have access to endpoints that ingest Parquet files.

For the latest update on this issue see the corresponding Knowledge Article: [TSB 2025-847: Critical Apache Parquet vulnerability CVE-2025-30065](#)

Fixed Issues in Apache Spark

This section lists the issues in Apache Spark that are fixed in Cloudera Runtime 7.3.1 release, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

CDPD-75091: Backport SPARK-47217 and related changes

7.3.1.400 SP2

Backports upstream Apache Spark improvements to enable reading Parquet files with mixed or widened types without precision loss or failures.

Apache Jira: [SPARK-47217](#)

Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-79763: Fix clobbering of files across epochs in Spark Structured streaming with Iceberg

7.3.1.300 SP1 CHF1

Backporting an upstream fix for a bug in structured streaming that resulted in clobbering of files in Iceberg tables by.

Cloudera Runtime 7.3.1.200 SP1

CDPD-79251: Spark - Timestamp read/write performance degradation

7.3.1.200 SP1

Fixing an issue where conversion between Spark's internal timestamp representation and Hive's Timestamp representation were slower on Spark 3 than on Spark 2.

CDPD-76849: Backport SPARK-40876 and related changes

7.3.1.200 SP1

Backporting SPARK-41096, SPARK-46092, SPARK-45604, SPARK-46466, SPARK-40876, and SPARK-48603

Apache Jira: [SPARK-41096](#), [SPARK-46092](#), [SPARK-45604](#), [SPARK-46466](#), [SPARK-40876](#), [SPARK-48603](#)

CDPD-70233: Rebase CDP 7.3.x Spark3 on Apache Spark 3.5.4

7.3.1.200 SP1

Upgrading Spark from 3.4.1 to 3.5.4. For more information, refer to [Migrating Spark applications](#).

Cloudera Runtime 7.3.1.100 CHF 1

CDPD-76229: Optimize the processing speed of BinaryArithmetic#dataType when processing multi-column data

7.3.1.100 CHF1

Restoring performance of some queries in Spark 3.4.1 to match other versions (3.3.x, 3.5.x) of Spark.

Optimized the processing speed of BinaryArithmetic#dataType when processing multi-column data.

Apache Jira: [SPARK-45071](#)

CDPD-75926: Backport SPARK-44653

7.3.1.100 CHF1

Backported SPARK-44653 to fix cache breaking with non-trivial DataFrame unions.

Apache Jira: [SPARK-44653](#)

CDPD-75755: [ENCODER_NOT_FOUND] Not found an encoder of the type T to Spark SQL internal representation when using Parameterized Bean

7.3.1.100 CHF1

Fixed an upstream regression causing Encoder Exception for a parameterized class

Apache Jira: [SPARK-46679](#)

CDPD-75622: Backport upstream fixes for handling nested beans and generic type beans while creating Spark encoders.

7.3.1.100 CHF1

Backporting upstream fixes from Spark 3.4 to fix the following issues:

- Starting from Spark 3.4.x, Encoders.bean raised an exception when the passed class contains a field whose type is a nested bean with type arguments
- From Spark 3.4.x, an exception is raised when Encoders.bean is called providing a bean having read-only properties
- Unsupported feature of bean encoder when the superclass of the bean has generic type arguments

Apache Jira: [APACHE-44634](#), [APACHE-45081](#), [APACHE-44910](#)

CDPD-75353: CHAR and VARCHAR handling in Spark 3 is incompatible with Spark 2

7.3.1.100 CHF1

Adding a new configuration `spark.cloudera.legacy.charVarcharLegacyPadding` (by default set to false in Spark 3). When set to true (together with `spark.sql.legacy.charVarcharAsString=true`) it creates compatibility with Spark 2 behavior.

For more information refer to [Migrating Spark applications](#).

CDPD-75286: Spark History UI - StreamConstraintsException: String length exceeds the maximum length

7.3.1.100 CHF1

Fixing an issue with Jackson to allow unlimited json string length in Spark event logs.

CDPD-59617: Spark - Upgrade Okio to 1.17.6 due to CVE-2023-3635

7.3.1.100 CHF1

Updating okio from version 1.15.0 to 1.17.6 to address the security vulnerability CVE-2023-3635.

CDPD-74730: Backport SPARK-46239: Hide the Jetty server's version

7.3.1.100 CHF1

The Jetty server's version is now hidden.

Apache Jira: [SPARK-46239](#)

CDPD-73233: Encoder not found of the type T to Spark SQL internal representation

7.3.1.100 CHF1

Fixing an upstream regression of encoder exception (`org.apache.spark.SparkUnsupportedOperationException: [ENCODER_NOT_FOUND]`) for generic types.

Apache Jira: [SPARK-49789](#)

Cloudera Runtime 7.3.1**CDPD-74697 - Spark Iceberg vectorized Parquet read of decimal column is incorrect**

7.3.1

CDPD-72774 - Use common versions of commons-dbcp2 and commons-pool2

7.3.1

CDPD-70114 - Redirect spark-submit, spark-shell etc. scripts to their Spark 3 counterparts

7.3.1

CDPD-58844 - Spark - Upgrade Janino to 3.1.10 due to CVE-2023-33546

7.3.1

CDPD-48171 - Spark3 - Upgrade snakeyaml due to CVE-2022-1471

7.3.1

Fixed Issues in Spark Atlas Connector

This section lists the issues in Spark Atlas Connector that are fixed in Cloudera Runtime 7.3.1 release, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2**CDPD-73828: SAC - spark_process entity contains huge strings in its fields**

7.3.1.400 SP2

Adds a new configuration property in Cloudera Manager to allow disabling the fields details and sparkPlanDescription in the spark_process entity, which could cause Atlas OOM errors if they contained too large strings.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no new fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no new fixed issues in this release.

Cloudera Runtime 7.3.1

There are no new fixed issues in this release.

Fixed Issues in Apache Sqoop

Review the list of Sqoop issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2:

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

There are no fixed issues in this release.

Fixed Issues in Streams Messaging Manager

Review the list of Streams Messaging Manager issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1**CDPD-78694: Streams Messaging Manager UI cannot show replication details**

7.3.1.200

The Kafka cluster replication details view is now available on the Cluster Replications page.

CDPD-79108: The KerberosBasicAuthenticationHandler used by Schema Registry and Streams Messaging Manager can not handle colon in password

7.3.1.200

The KerberosBasicAuthenticationHandler is now capable of handling colons in passwords.

Cloudera Runtime 7.3.1.100 CHF 1**CDPD-73733: Schema version selection does not work in Data Explorer**

7.3.1.100

You can now switch between different Avro schema versions using the drop-down list in Data Explorer.

Cloudera Runtime 7.3.1**OPSAPS-71258: Kafka, Streams Replication Manager, and Streams Messaging Manager cannot process messages compressed with Zstd or Snappy if /tmp is mounted as noexec**

7.3.1

The issue is fixed by using JVM flags that point to a different temporary folder for extracting the native library.

CDPD-72543: Security headers are not set for static files in Streams Messaging Manager

7.3.1

Streams Messaging Manager now applies the following security-related headers to static files:

- Content-Security-Policy
- X-XSS-PROTECTION
- X-Content-Type-Options
- X-Frame-Options
- Strict-Transport-Security

CDPD-73643: Unused CM_USER parameter is visible in /cm-configs internal endpoint

7.3.1

The unused CM_USER field has been removed from the /cm-configs internal endpoint

CDPD-70313: KNOX does not send Authentication header on FIPS configuration

7.3.1

KNOX now sends the Authentication header on FIPS clusters.

Fixed Issues in Streams Replication Manager

Review the list of Streams Replication Manager issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1**CDPD-78694: Streams Messaging Manager UI cannot show replication details**

7.3.1.200

The Kafka cluster replication details view is now available on the Cluster Replications page.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1**OPSAPS-71258: Kafka, Streams Replication Manager, and Streams Messaging Manager cannot process messages compressed with Zstd or Snappy if /tmp is mounted as noexec**

7.3.1

The issue is fixed by using JVM flags that point to a different temporary folder for extracting the native library.

Fixed Issues in Yarn and Yarn Queue Manager

Review the list of Yarn and Yarn Queue Manager issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1**COMPX-18663: Cgroup v2 support must fall back to v1 when there are no v2 controllers**

7.3.1.200

Cgroup v1/v2 mixed mode support was introduced previously. If the cgroup v2 support was enabled (using `yarn.nodemanager.linux-container-executor.cgroups.v2.enabled` set to true), with only cgroup v1 controllers mounted on the Node Managers, the cgroup v2 support did not fall back to v1. This issue is now resolved and cgroup v2 support now falls back to v1 when there are no v2 controllers.

Apache Jira: [YARN-11743](#)

COMPX-18909: NodeManager marked as unhealthy if an application is terminated

7.3.1.200

Node Managers are marked unhealthy if the container-executor has an unrecoverable/configuration error, that is, the container-executor script is missing. However, if the application was terminated just before one of the containers was trying to access the localizer syslog file, causing an `IOException` then the Node Managers was marked unhealthy incorrectly. This issue is now resolved and the error checking is more specific, thereby, removing the false positive Node Managers markings.

Apache Jira: [YARN-11753](#)

COMPX-18545: Setting maximum-application-lifetime using AQCv2 templates does not apply on the first submitted application

7.3.1.200

Setting the maximum-application-lifetime property using the AQC v2 templates did not apply to the first submitted application but was applied to the subsequent ones. This issue is now resolved.

Apache Jira: [YARN-11708](#)

COMPX-18589: YARN ResourceManager raised an exception during comparison of queues

7.3.1.200

YARN ResourceManager raised an exception, `java.lang.IllegalArgumentException: Comparison method violates its general contract!`. The RCA was with the AND condition that caused the exception of TimSort algorithm during comparison of queues. This issue is now resolved.

Apache Jira: [YARN-11745](#)

CDPD-49702: NodeManager must be shut down when the program /var/lib/yarn-ce/bin/container-executor cannot be run

7.3.1.200

Previously, a job failed when NodeManager encountered the No such file or directory error when running the `/var/lib/yarn-ce/bin/container-executor` program. This issue is now resolved and NodeManager is marked as unhealthy and shut down when it cannot run the program.

Apache Jira: [YARN-11709](#)

Cloudera Runtime 7.3.1.100 CHF 1

Fixed the order of updating CPU controls with cgroup v1

7.3.1.100

This fix ensures that `cpu.cfs_period_us` is updated before `cpu.cfs_quota_us`, to keep the ratio between the two values and not to overcome the limit defined at parent level.

Apache Jira: [YARN-11733](#)

Cloudera Runtime 7.3.1

COMPX-17702: Backport - YARN-10345 - HsWebServices containerlogs does not honor ACLs for completed jobs

7.3.1

The following rest APIs now have ACL authorization:

- /ws/v1/history/containerlogs/{containerid}/{filename}
- /ws/v1/history/containers/{containerid}/logs

Apache Jira: [YARN-10345](#)

COMPX-16285: Optimize system credentials sent in node heartbeat responses

7.3.1

Previously, the heartbeat responses set all application's tokens even though all applications were not active on a node. Hence, for each node and each heartbeat too many SystemCredentialsFor AppsProto objects were created. This issue is now resolved and the system credentials sent in node heartbeat responses are optimized..

Apache Jira: [YARN-6523](#)

CDPD-73754: Yarn Application Master Node web link is broken on yarnui v2 page

7.3.1

Previously, the RM did not open the Yarn application manager node web link on the **yarnui v2** page because the URL ended with a /. This issue is now resolved and the last character / is now removed from the URL.

Apache Jira: [YARN-11729](#)

Fixed Issues in ZooKeeper

Review the list of ZooKeeper issues that are resolved in Cloudera Runtime 7.3.1, its service packs and cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no fixed issues in this release.

Cloudera Runtime 7.3.1

CDPD-67821: Zookeeper - Information disclosure in persistent watcher handling(CVE-2024-23944)

There was information disclosure in persistent watchers handling in Apache ZooKeeper due to CVE-2024-23944. This issue is now fixed.

Apache Jira: [ZOOKEEPER-4799](#)

CDPD-66977: Backport ZOOKEEPER-4804 Use daemon threads for Netty client

Previously, when the Netty client was used, the Java process did not respond on System.exit when the Zookeeper connection was open. This issue was caused by the non-daemon threads created by Netty. This issue is now resolved.

Apache Jira: [ZOOKEEPER-4804](#)

Known Issues In Cloudera Runtime 7.3.1

This topic describes known issues and workarounds in this release of Cloudera Runtime.

Known Issues in Platform

Learn about the known issues in the Platform for Cloudera Runtime 7.3.1 release, the impact or changes to the functionality, and the workaround.

Known Issue in Cloudera Runtime 7.3.1

CDPD-80802, CDPD-79725: Runtime services on a running Cloudera Data Hub cluster might stop because of insufficient memory error

Starting with Cloudera 7.3.1.0, Java 17 is the default runtime instead of Java 8, and its memory management increases memory usage, potentially affecting system performance. Cloudera Data Hub cluster might report error states, and logs might show insufficient memory exceptions.



Note: You are likely to encounter this issue with the Hive service going to an error state.

This issue is caused by high memory usage due to the G1 garbage collector on Java 17, leading to insufficient memory issues and thereby moving the Cloudera Data Hub cluster to an error state.

To mitigate this issue, you can perform either of the following actions, or both:

- Reduce the Java heap size for affected services to prevent nodes from exceeding the available memory.
- Increase physical memory for on cloud or on-premises instances running the affected services.

Known Issues in Apache Atlas

Learn about the known issues in Atlas, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.500 SP3

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

CDPD-83455: Basic Search API responding with unexpected values in response JSON

7.3.1.400

The `/v2/search/basic` API endpoints can return an unexpected result when Cloudera Data Catalog sends a search request with the equals keyword. Apache Atlas does not support the equals keyword and replies it

Only use the supported keywords when querying the `/v2/search/basic` endpoint:

- `=`
- `!=`
- `contains`
- `begin_with`
- `ends_with`
- `is_null`
- `not_null`

Apache JIRA: [ATLAS-5053](#)

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

The following section lists the known issues identified in this release:

CDPD-77434: When complete qualifiedName is provided as prefixString, sometimes search suggestions do not return the right suggestion

7.2.18 and its service packs, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

When searching for a newly created Iceberg table with the complete qualifiedName of an iceberg_ column, the quick search does not list the Iceberg table as a suggestion sometimes.

None

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

The following section lists the known issues identified in this release:

CDPD-77738: Atlas hook authorization issue causing HiveCreateSysDb timeout

Cloudera Runtime 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Atlas hook authorization error causes HiveCreateSysDb command to time out due to repeated retries.

None

CDPD-81092: Classic UI: Tables tab view stuck on loader in entity detail page

7.3.1.300, 7.3.2

Cloudera Runtime 7.3.1.100, 7.3.1.200

When navigating to the **Tables** tab in the details of an entity, the **Tables** tab might get stuck during loading.

None

CDPD-81499: Basic search is lagging as some Datatypes not getting indexed in Solr

7.2.18 and its service packs Cloudera Runtime 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

The Boolean datatype in Solr 3.6.2 is not indexed. When a search includes Boolean datatype, in-memory searching must be used. A larger dataset results in longer search time.

None

CDPD-82054: UI: when server response date fields as '0', UI shows as current time

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300

7.3.1.400

If an API response contains an invalid date value (such as 0) intended for display on the user interface, the current system date is shown. This issue specifically affects the **Entity Detail** page, where the create time and modified time are displayed.

Apache JIRA: [ATLAS-5015](#)

None

CDPD-84502: Advanced Search is not working properly in Atlas UI

7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

The Advance Search in Atlas does not return any results when selecting the Typedef option. The API is not triggered for each relation.

None.

Known Issues in Cloudera Runtime 7.3.1

CDPD-67112: Import transforms do not work as expected when replacing a string which already has ":"

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

The character ":" is not supported in path replacements. The import succeeds but location remains unchanged. The character ":" must be avoided.

None

CDPD-67450: Table name renaming operation is not updating or creating iceberg_table entity

Renaming an Iceberg table does not update the corresponding Atlas entity.

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

None.

CDPD-67089: Export/Import: When a table with Ozone path is exported as "connected", only the Ozone key is exported.

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

When table with Ozone path is exported as "connected", only Ozone key is exported. Other Ozone entities, such as Ozone volume, Ozone bucket are not exported.

None.

CDPD-43772: Performance issues with Atlas service

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

If there are lot of update operations and the compression type of column families of atlas_janus table is SNAPPY, then the Kafka message processing might become slower.

- Consider setting compression type of column families of atlas_janus table as GZ.

CDPD-59413: Plugin is not supported with older Atlas server versions for Iceberg tables

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Copy the model file 1130-iceberg_table_model.json to the directory: /opt/cloudera/parcels/CDH/lib/atlas/models/1000-Hadoop.

Proceed to restart the Atlas Service using Cloudera Manager.

CDPD-56590: Create table "like" from Iceberg table creates a hive_table instead of iceberg_table

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

By default, for tables created using the "like" command, lineage is not generated in Atlas. The destination like table should be of the same type as source table. Instead an iceberg_table for source and hive_table for destination are getting created.

CDPD-56085: [Impala Iceberg] LOAD DATA INPATH to Iceberg_table creates a temporary hive_table with name <iceberg_table_name>_tmp* and then marks it as DELETED in Atlas

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Running a query like "LOAD DATA INPATH to iceberg_table", creates a temporary hive_table with name <iceberg_table_name>_tmp* and then marks it as DELETED in Atlas. So in Atlas, a deleted entity is created corresponding to the temporary table "<iceberg_table_name>_tmp*".

Tag added to the File system (HDFS) entity will not be propagated to the Iceberg table, user has to manually add to the iceberg_table, since the tag propagation is broken due to the deleted table in the flow.

CDPD-65806: After upgrading from Cloudera Runtime 7.2.17 to 7.2.18, not all Iceberg table relationships are visible in the entity details page

7.3.1, 7.3.1.100

7.3.1.200

None

CDPD-62973: Change in audits behavior in Cloudera Runtime 7.2.18 deployment.

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

When the value of differential audits is set as true, the audit information is not segregated based on the user which is firing the query. The HMS service user information includes details of the service user. When differential audit is enabled, only the difference between the two subsequent audits is logged, but in this case, there is no change in the data which is retrieved from HS2 and HMS, which does not create the audit. The user information is audited fine when differential audit is disabled

CDPD-55301: The ddlQueries and ALTERNATIVE_* lineage are missing for Spark tables created using spark3-shell

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

The ddlQueries and outputFromProcesses (lineage) is missing for the alter queries.

CDPD-40346: The ddlQueries and ALTERNATIVE_ADDCOLS lineage missing for Impala tables

The ALTERNATIVE_ADDCOLS lineage has some issue when an Impala table is altered and the corresponding lineage is not created.

CDPD-55671: When one Atlas server host is not reachable (stopped), the GET request does multiple failover for approximately 4 minutes and takes around 2 minutes for every failover and finally the request fails.

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

None

CDPD-55122: Any user with ssh access can view the downloaded results

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

None

CDPD-45642: When REST Notification server is down, messages from hooks are lost

7.2.16 and its service packs and hotfixes, 7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

None

CDPD-46940: REST notification need to be disabled when running import scripts

7.2.16 and its service packs and hotfixes, 7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Since import scripts and REST notification server both use atlas.rest.address, do not enable the REST notification while running import scripts or set atlas.rest.address to point to the default safety valve value.

None

ATLAS-3921: Currently there is no migration path from AWS S3 version 1 to AWS S3 version 2

None

CDPD-11692: Navigator table creation time not converted to Atlas

7.2.16 and its service packs and hotfixes, 7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

In converting content from Navigator to Atlas, the create time for Hive tables is not moved to Atlas.

None

CDPD-7982: HBase bridge stops at HBase table with deleted column family

7.2.16 and its service packs and hotfixes, 7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Bridge importing metadata from HBase fails when it encounters an HBase table for which a column family was previously dropped. The error indicates:

```
Metadata service API org.apache.atlas.AtlasClientV2$API_V2@58112bc4 failed with status 404 (Not Found) Response Body
({ "errorCode": "ATLAS-404-00-007", "errorMessage": "Invalid instance creation/updation parameters passed : hbase_column_family.table: mandatory attribute value missing in type hbase_column_family" })
```

None

CDPD-6675: Irregular qualifiedName format for Azure storage

The qualifiedName for hdfs_path entities created from Azure blob locations (ABFS) doesn't have the clusterName appended to it as do hdfs_path entities in other location types.

None

CDPD-4762: Spark metadata order may affect lineage

Atlas may record unexpected lineage relationships when metadata collection from the Spark Atlas Connector occurs out of sequence from metadata collection from HMS. For example, if an ALTER TABLE operation in Spark changing a table name and is reported to Atlas before HMS has processed the change, Atlas may not show the correct lineage relationships to the altered table.

None

CDPD-4545: Searches for Qualified Names with "@" doesn't fetch the correct results

When searching Atlas qualifiedName values that include an "@" character (@), Atlas does not return the expected results or generate appropriate search suggestions.

Consider leaving out the portion of the search string that includes the @ sign, using the wildcard character * instead.

CDPD-3208: Table alias values are not found in search

When table names are changed, Atlas keeps the old name of the table in a list of aliases. These values are not included in the search index in this release, so after a table name is changed, searching on the old table name will not return the entity for the table.

None

CDPD-3160: Hive lineage missing for INSERT OVERWRITE queries

Lineage is not generated for Hive INSERT OVERWRITE queries on partitioned tables. Lineage is generated as expected for CTAS queries from partitioned tables.

None

CDPD-3125: Logging out of Atlas does not manage the external authentication

At this time, Atlas does not communicate a log-out event with the external authentication management, Apache Knox. When you log out of Atlas, you can still open the instance of Atlas from the same web browser without re-authentication.

To prevent access to Atlas after logging out, close all browser windows and exit the browser.

CDPD-1892: Ranking of top results in free-text search not intuitive

The Free-text search feature ranks results based on which attributes match the search criteria. The attribute ranking is evolving and therefore the choice of top results may not be intuitive in this release.

If you don't find what you need in the top 5 results, use the full results or refine the search.

CDPD-1884: Free text search in Atlas is case sensitive

The free text search bar in the top of the screen allows you to search across entity types and through all text attributes for all entities. The search shows the top 5 results that match the search terms at any place in the text (*term* logic). It also shows suggestions that match the search terms that begin with the term (term* logic). However, in this release, the search results are case-sensitive.

If you don't see the results you expect, repeat the search changing the case of the search terms.

CDPD-1823: Queries with ? wildcard return unexpected results

DSL queries in Advanced Search return incorrect results when the query text includes a question mark (?) wildcard character. This problem occurs in environments where trusted proxy for Knox is enabled, which is always the case for Cloudera.

None

CDPD-1664: Guest users are redirected incorrectly

Authenticated users logging in to Atlas are redirected to the Cloudera Knox-based login page. However, if a guest user (without Atlas privileges) attempts to log in to Atlas, the user is redirected instead to the Atlas login page.

To avoid this problem, open the Atlas Dashboard in a private or incognito browser window.

CDPD-922: IsUnique relationship attribute not honored

The Atlas model includes the ability to ensure that an attribute can be set to a specific value in only one relationship entity across the cluster metadata. For example, if you wanted to add metadata tags to relationships that you wanted to make sure were unique in the system, you could design the relationship attribute with the property "IsUnique" equal true. However, in this release, the IsUnique attribute is not enforced.

None

CDPD-65619: Newly created Iceberg tables do not show up under hive_db entity

7.2.18 and its service packs and hotfixes, 7.3.1

7.3.1.100

When creating hive_table as well as iceberg_table, only the tables with the hive_table typename are shown under the Tables tab. Both Iceberg and Hive tables cannot be shown when they are created in the same hive_db entity.

CDPD-77257: When a HIVE CTAS Iceberg table is created, an extra "staging" HDFS path created is also in Apache Atlas

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

When a Hive CTAS Iceberg table is created, there is an extra "staging" HDFS path created in Atlas for a directory, which would not be required.

None

CDPD-75994: Post DL regular upgrade (non ZDU) to 7.3.1, "Exception in getKafkaConsumer ,WakeUpException: null" is seen

7.2.16 and its service packs and hotfixes, 7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

After the data lake is upgraded to 7.3.1, sometimes Atlas Hook does not function when Apache Atlas and Apache Kafka are started at the same time, thus Atlas is unable to connect to Kafka while Kafka is still being set up. Atlas performs only three attempts.

Restart the cluster, after the upgrade to trigger to reconnect to Apache Kafka. The Kafka consumer creation should be retried if the Kafka service is unavailable during Atlas startup.

CDPD-76035: Resource lookup for Atlas service is failing

7.2.18.600, 7.2.18.700, 7.2.18.800, 7.2.18.900, 7.2.18.1000, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

Once the Atlas configuration snippet `atlas.authentication.method.file` is enabled and a classification is created, these do not synchronize correctly to the Type Category resource field setting of Apache Ranger. The newly created classification won't be able to be selected as the Type Name.

CDPD-66938: [Analyze] [Atlas] test_time_range tests fail

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

When the Apache Atlas server is running on a node which has time zone other than UTC, there might be a time of day when the search results might differ if the relative **CreateTime** date range filters of TODAY, YESTERDAY, etc. are used.

Use explicit date range filters instead of using relative date range filters, such as, TODAY, YESTERDAY.

CDPD-70321: Atlas Parallel import is failing with various errors

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

During a parallel import-export activity with six iceberg table policies with `exportOption` as `db1.*` for all six exports, all import fail after the exports.

CDPD-76536: Iceberg entities created in 7.2.17 Atlas-Hook (Hive, Impala, Spark) are not ingested by 7.2.18/7.3.1 Atlas Server

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1
7.3.1.100

Cloudera Data Warehouse version 2024.0.18.2-4 has the Cloudera Data Hub version 7.2.17 which supports an older Iceberg model for the Atlas hook. Apache Atlas in 7.3.1 data lake already supports the latest Iceberg model causing incompatibilities.

CDPD-77435: RAZ: Import-hive on Cloudera Data Engineering cluster fails

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100
7.3.1.200

Running import-hive command on RAZ enabled Cloudera Data Engineering cluster fails with error "NoClassDefFoundError: com/sun/jersey/core/spi/factory/ResponseBuilderImpl".

CDPD-76789: Creating tag with name description throws java.lang.ClassCastException

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100
7.3.1.200

Creating classification with reserved names such as "name", "description", "owner", "version", "serviceType" and "options" can lead to HTTP 500 error in Apache Atlas.

Avoid creating classification with reserved names such as "name", "description", "owner", "version", "serviceType" and "options".

CDPD-77767: Migration status is not updated on file while migration is in progress

7.3.1
7.3.1.100

Whenever a migration starts on any environment and the vertex is attempted to be updated with details, the status update fails with a null pointer exception.

None.

CDPD-71411: Atlas Hbase import fails with jackson-databind exception

7.3.1

7.3.1.100

The jackson-annotations is not updated to match jackson-databind (2.15.0). This causes the NoSuchFieldError error intermittently during an HBase import because of a version mismatch (older 2.12.7 on classpath).

CDPD-80922: Without permission for one glossary, /glossary call throws exception

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200

7.3.1.300

When you don't have the permission for a glossary, the /glossary call results in a exception, blocking authorization for all glossaries. The error message is the following:

```
{  "errorCode": "ATLAS-403-00-001",  "errorMessage": "hrt_qa is
not authorized to perform read entity: guid=*****-****-****-
****-*****" }
```

CDPD-69910: NPE while deleting BusinessMetadata

7.2.18 and its service packs and hotfixes, 7.3.1

7.3.1.100

If business metadata is created without adding any applicable types, a NullPointerException is produced when trying to delete that business metadata.

None

Apache Jira: [ATLAS-4863](#)

DOCS-26821: Iceberg entities created in 7.2.17 Atlas-Hook (Hive,Impala,Spark) is not ingested by 7.2.18/7.3.1 Atlas Server

When using an Atlas hook from 7.2.18 or later version (7.3.1) with an earlier version of Atlas server (7.2.17 or earlier) to create an Iceberg table, the older data model of Iceberg cannot process the features of the new data models. For example, when encountering relationships or attributes in queries which do not have a definition in the earlier model, Iceberg fails to create new tables with an error message. The data model of the Iceberg in Cloudera Runtime 7.2.18 or later is not backward compatible with earlier data models.

It is recommended to upgrade your Atlas server version to at least 7.2.18 or later.

CDPD-87670: [Atlas UI] Apache Atlas Glossary becomes unresponsive when the page size is set to 50

7.2.18 and its service packs and hotfixes, 7.3.1 and its service packs and hotfixes

When the page limit is set to 50 in **Glossary**, the user interface becomes unresponsive due to an incorrect API call with the error message, when trying to show more than 25 associated entities for a glossary item: "expected type AtlasGlossaryCategory; found AtlasGlossaryTerm".

Apache Jira: [ATLAS-5067](#)

CDPD-79099: Unable to import hive tables using import script in Public Cloud

7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

7.3.1.500

The validation of import .zip files can cause the org.apache.atlas.AtlasServiceException error if the .zip file contains Atlas shell entities missing mandatory attributes such as a name. Therefore, the import of shell entities fails.

CDPD-77128: Log out message for Atlas needs to be more informative on Knox enabled cluster

7.1.9 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

7.3.1.600

Logging out of Atlas does not manage the external authentication. Atlas does not communicate a log-out event with the external authentication management, Apache Knox. When you log out of Atlas, you can still open the instance of Atlas from the same web browser without re-authentication.

To prevent additional access to Atlas, close all browser windows and exit the browser.

CDPD-59850: Partition specification data for Iceberg table is not getting updated in atlas using Impala for Spark created table

7.2.17 and its service packs and hotfixes, 7.2.18 and its service packs and hotfixes, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500, 7.3.1.600

The specification data sent to Atlas after Spark creates an Iceberg partitioned table is reflected in the Atlas UI. However, it is not reflected in Atlas after a partition specification update using the Impala shell.

CDPD-83398: REMOVE_LEGACY_REF_ATTRIBUTES Patch Skipped During Startup, Causing Errors While Processing DML Events

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500, 7.3.1.600

The REMOVE_LEGACY_REF_ATTRIBUTES patch is skipped during Atlas patch processing, which leads to an error when Data Manipulation Language (DML) events (e.g., "insert data") are processed, events that are typically ignored. This is observed in environments where DML event filtering is not in place or the patch is not applied correctly. As a result, Atlas attempts to process these events and encounters errors related to missing or outdated attribute handling.

CDPD-88230: Bulk import operations currently do not construct lineage as expected

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500, 7.3.1.600

Bulk import operations do not create lineage consistently, even when the entities are imported successfully.

CDPD-88302: Bulk import operations currently do not create audits for the imported entities

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500, 7.3.1.600

Bulk import operations do not create audits for the imported entities.

Known Issues in Apache Avro

Learn about the known issues in Avro, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified in this release.

Known Issues in Cloud Connectors

Learn about the known issues in Cloud Connectors, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

AWS SDK 2.25.53 warning about transfer manager not using CRT client

7.3.1.0

Due to the AWS SDK 2.25.53 upgrade, the following warning might be seen:

```
5645:2024-09-13 16:29:17,375 [setup] WARN  s3.S3TransferManager
      (LoggerAdapter.java:warn(225)) - The provided S3AsyncC
lient is an instance of
      MultipartS3AsyncClient, and thus multipart download fe
ature is not enabled. To benefit
      from all features, consider using S3AsyncClient.crtBu
ilder().build() instead
```

This error message is completely harmless and should be ignored. For more information, see [HADOOP-19272](#).

None

CDPD-76378 Uploading files to S3 takes longer than expected

7.2.17 and its service packs, 7.2.18 and its service packs, 7.3.1.0

7.3.1.100

Uploading files to S3 on long haul networks is delayed if the file is smaller than 64MB. As the 100-continue header is not received immediately, the files are uploaded only after several retries. The delay in uploading is caused by the `fs.s3a.connection.expect.continue` S3A configuration parameter. The `fs.s3a.connection.expect.continue` S3A configuration property controls whether or not a PUT request to the S3 store sets the "Expect: 100-continue" header, and awaits a 100 CONTINUE response before uploading any data. This allows throttling and other transient problems to be reported by the S3 store before there is an attempt by the client to upload any data.

By default, the value of the configuration property is set to true, which means that the header is set, and a 100 CONTINUE response is required.

If there is a significant delay in uploading files or if the write time of jobs increases, you can set the `fs.s3a.connection.expect.continue` configuration property for your service to false.

Known issues in Cruise Control

Learn about the known issues in Cruise Control, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

CDPD-44676: Rebalancing with Cruise Control does not work if the metric reporter fails to report the CPU usage metric

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If the CPU usage metric is not reported, the numValidWindows in Cruise Control will be 0 and proposal generation as well as partition rebalancing will not work. If this issue is present, the following message will be included in the Kafka logs:

```
WARN com.linkedin.kafka.cruisecontrol.metricsreporter.CruiseControlMetricsReporter:
    [CruiseControlMetricsReporterRunner]: Failed reporting CPU
    util.
```

```
java.io.IOException: Java Virtual Machine recent CPU usage is not
    available.
```

This issue is only known to affect Kafka broker hosts that have the following specifications:

- CPU: Intel(R) Xeon(R) CPU E5-2699 v4 @ 2.20GHz
- OS: Linux 4.18.5-1.el7.elrepo.x86_64 #1 SMP Fri Aug 24 11:35:05 EDT 2018 x86_64
- Java version: 8-18

Move the broker to a different machine where the CPU is different. This can be done by moving the host to a different cluster. For more information, see [Moving a Host Between Clusters](#)



Note: Cluster nodes affected by this issue are not displayed as unhealthy.

Known Issues in Apache Hadoop

Learn about the known issues in Hadoop, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified in this release.

Known Issues in Apache HBase

Learn about the known issues in HBase, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.100 CHF 1

CDPD-77399: HBase fails to register the servlet metrics and throws `ClassNotFoundException: org.apache.hadoop.metrics.MetricsServlet`

The `MetricsServlet` class is a Hadoop 2-based metric servlet unavailable in Hadoop 3 deployments.

Workaround: Ignore this WARN log message during HBase Master and RegionServer startup.

Apache Issue: [HBASE-28315](#)

Known Issues in Cloudera Runtime 7.3.1

CDPD-60862: Rolling restart fails during ZDU when DDL operations are in progress

During a Zero Downtime Upgrade (ZDU), the rolling restart of services that support Data Definition Language (DDL) statements might fail if DDL operations are in progress during the upgrade. As a result, ensure that you do not run DDL statements during ZDU.

The following services support DDL statements:

- Impala
- Hive – using HiveQL
- Spark – using SparkSQL
- HBase
- Phoenix
- Kafka

Data Manipulation Language (DML) statements are not impacted and can be used during ZDU. Following the successful upgrade, you can resume running DDL statements.

None. Cloudera recommends modifying applications to not use DDL statements for the duration of the upgrade. If the upgrade is already in progress, and you have experienced a service failure, you can remove the DDLs in-flight and resume the upgrade from the point of failure.

OpDB Data Hub cluster fails to initialize if you are reusing a cloud storage location that was used by an older OpDB Data Hub cluster

Workaround: Stop HBase using Cloudera Manager before deleting an OpDB Data Hub cluster.

IntegrationTestReplication fails if replication does not finish before the verify phase begins

During IntegrationTestReplication, if the verify phase starts before the replication phase finishes, the test will fail because the target cluster does not contain all of the data. If the HBase services in the target cluster does not have enough memory, long garbage-collection pauses might occur.

Workaround: Use the -t flag to set the timeout value before starting verification.

HDFS encryption with HBase

Cloudera has tested the performance impact of using HDFS encryption with HBase. The overall overhead of HDFS encryption on HBase performance is in the range of 3 to 4% for both read and update workloads. Scan performance has not been thoroughly tested.

Workaround: N/A

Snappy compression with /tmp directory mounted with noexec option

Using the HBase client applications such as hbase hfile on the cluster with Snappy compression could result in UnsatisfiedLinkError.

Add -Dorg.xerial.snappy.tmpdir=/var/hbase/snappy-tmpdir to Client Java Configuration Options in Cloudera Manager that points to a directory where exec option is allowed.

AccessController postOperation problems in asynchronous operations

When security and Access Control are enabled, the following problems occur:

- If a Delete Table fails for a reason other than missing permissions, the access rights are removed but the table may still exist and may be used again.
- If hbaseAdmin.modifyTable() is used to delete column families, the rights are not removed from the Access Control List (ACL) table. The portOperation is implemented only for postDeleteColumn().
- If Create Table fails, full rights for that table persist for the user who attempted to create it. If another user later succeeds in creating the table, the user who made the failed attempt still has the full rights.

Workaround: N/A

Apache Issue: [HBASE-6992](#)

HBase shutdown can lead to inconsistencies in META

Cloudera Manager uses an incorrect shutdown command. This prevents graceful shutdown of the HBase service and forces Cloudera Manager to kill the processes instead. It can lead to inconsistencies in Meta.

Workaround: Run the following command instead of shutting down the HBase service using Cloudera Manager.

```
hbase master stop --shutDownCluster
```

The command output must end with Closing master protocol: MasterService phrase. You can verify the command execution by checking the master logs. The log must contain Cluster shutdown requested of master=xxx and the closing of regions. Upon successful execution, the RegionServers start shutting down.



Note: The command does not stop the *REST Server* and the *Thrift Server* role instances. You can safely shut down them from Cloudera Manager later.

If you find any inconsistencies, please contact Cloudera Support.

Bulk load is not supported when the source is the local HDFS

The bulk load feature (the `completebulkload` command) is not supported when the source is the local HDFS and the target is an object store, such as S3/ABFS.

Workaround: Use `distcp` to move the HFiles from HDFS to S3 and then run bulk load from S3 to S3.

Apache Issue: N/A

Storing Medium Objects (MOBs) in HBase is currently not supported

Storing MOBs in HBase relies on bulk loading files, and this is not currently supported when HBase is configured to use cloud storage (S3).

Workaround: N/A

Apache Issue: N/A

CDPD-77399: HBase fails to register the servlet metrics and throws `ClassNotFoundException`: `org.apache.hadoop.metrics.MetricsServlet`

The `MetricsServlet` class is a Hadoop 2-based metric servlet unavailable in Hadoop 3 deployments.

Workaround: Ignore this WARN log message during HBase Master and RegionServer startup.

Apache Issue: [HBASE-28315](#)

Known Issues in HDFS

Learn about the known issues in HDFS, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

CDPD-65530: HDFS requests throw `UnknownHostException` during OS upgrade

During the VM replacement as part of OS upgrade, every new node gets a new IP Address, and if the old IP address is cached somewhere, HDFS requests fail with `UnknownHostException` and it recovers after sometime (10 mins max).

The issue is seen during COD and DL ZDU.

None.

CDPSDX-5302: Avoiding long delay on the HBase master does not happen during upgrade.

1. Log in to Cloudera Manager
2. Select the HDFS service
3. Select Configurations tab
4. Search for hdfs-site.xml.
5. Set `ipc.client.connect.timeout = 5000`
6. Set `ipc.client.connect.max.retries.on.timeouts = 5`
7. Click Save

The above configuration changes ensures that:

1. The long delay on the HBase master does not happen during upgrade.
2. The long delay on the HBase master recovery does not happen during upgrade.

CDPD-67230: Rolling restart can cause failed writes on small clusters

In a rolling restart, if the cluster has less than 10 datanodes existing writers can fail with an error indicating a new block cannot be allocated and all nodes are excluded. This is because you have attempted to use all the datanodes in the cluster, and failed to write to each of them as they were restarted. This only happen on small clusters of less than 10 datanodes, because larger clusters have more spare nodes to allow the write to continue.

None.

CDPD-60873: java.io.IOException:Encountered "status=ERROR, status message, ack with firstBadLink" while fixing the HDFS corrupt file during rollback.

Increase the value of `dfs.client.block.write.retries` to the number of nodes in the cluster and perform Deploy client configuration procedure for rectification.

CDPD-60431: Configuration difference between 7.1.7 SP2 and 7.1.9.0 results

Component	Configuration	Old Value	New Value	Description
HDFS	<code>dfs.permissions.ContentSummary.subAccess</code>	Not Set	True	Performance optimization for NameNode content summary API
HDFS	<code>dfs.datanode.handler.count</code>	8	10	Optimal value for DN server threads on large clusters

None.

CDPD-60387: Configuration difference between 7.1.8.3 and 7.1.9.0 results

Component	Configuration	Old Value	New Value	Description
HDFS	<code>dfs.namenode.access.precision</code>	None	0	Optimal value for NameNode performance on large clusters
HDFS	<code>dfs.datanode.handler.count</code>	8	10	Optimal value for DN server threads on large clusters

None.

OPSAPS-64307: When the JournalNodes on a cluster are restarted, the Add new NameNode wizard for HDFS service might fail to bootstrap the new NameNode. If there was no new fsImage created from the time JournalNodes restarted, during the restart the edit logs were rolled in the system.

If the bootstrapping fails during the Add new NameNode wizard, then perform the following steps:

1. Delete the newly added NameNode and FailoverController
2. Move the active HDFS NameNode to safe mode
3. Perform the Save Namespace operation on the active HDFS NameNode
4. Leave safe mode on the active HDFS NameNode
5. Add the new NameNode again



Note: Entering safe mode disables writes to HDFS which causes a service disruption. If you cannot enter the safe mode, delete the newly added NameNode and FailoverController in the HDFS service and wait until HDFS automatically creates a new fsImage and then add the new NameNode again with the wizard.

OPSAPS-64363: Deleting of additional Standby Namenode does not delete the ZKFC role and this has to be done manually.

None.

CDPD-28390: Rolling restart of the HDFS JournalNodes may time out on Ubuntu20.

If the restart operation times out, you can manually stop and restart the Name Node and Journal Node services one by one.

OPSAPS-55788: WebHDFS is always enabled. The Enable WebHDFS option does not take effect.

None.

OPSAPS-63299: Disable HA command for a nameservice does not work if the nameservice has more than 2 NameNodes defined.

None.

OPSAPS-63301: Deleting nameservice command does not delete all the NameNodes belonging to the nameservice, if there are more than two NameNodes that are assigned to the nameservice.

None.

Unsupported features

The following HDFS features are currently not supported in Cloudera:

- ACLs for the NFS gateway ([HADOOP-11004](#))
- Aliyun Cloud Connector ([HADOOP-12756](#))
- Allow HDFS block replicas to be provided by an external storage system ([HDFS-9806](#))
- Consistent standby Serving reads ([HDFS-12943](#))
- Cost-based RPC FairCallQueue ([HDFS-14403](#))
- HDFS Router Based Federation ([HDFS-10467](#))
- NameNode Federation ([HDFS-1052](#))
- NameNode Port-based Selective Encryption ([HDFS-13541](#))
- Non-Volatile Storage Class Memory (SCM) in HDFS Cache Directives ([HDFS-13762](#))
- OpenStack Swift ([HADOOP-8545](#))
- SFTP FileSystem ([HADOOP-5732](#))
- Storage policy satisfier ([HDFS-10285](#))

Known Issues in Apache Hive

Learn about the known issues in Hive, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified for Hive in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified for Hive in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP 1

There are no new known issues identified for Hive in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF1

The following section lists the known issues identified in this release:

CDPD-77738: Atlas hook authorization issue causing HiveCreateSysDb timeout

7.3.1.100

Atlas hook authorization error causes HiveCreateSysDb command to time out due to repeated retries.

None

CDPD-78490: HiveCreateSysDb command fails

7.3.1.0, 7.3.1.100

Hive services fail to start due to HiveCreateSysDb command failure during the first run.

None

CDPD-72605: Optimizing partition authorization in HiveMetaStore

7.3.1.0

The `add_partitions()` API in HiveMetaStore unnecessarily authorizes both new and existing partitions, increasing processing time and load on the authorization service.

None

Known Issues identified in Cloudera Runtime 7.3.1

CDPD-74680: DAG not retried after failure

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300

When executing a Hive query, if the ApplicationMaster container fails, Hive does not retry the DAG if the failure message contains some diagnostic information including a line break, leading to query failure (instead of retry).

None

HiveServer2 goes into a hung state intermittently

7.3.1

HiveServer2 can intermittently hang or crash due to heap out-of-memory (OOM) errors triggered by the default 1 GB cache limit for fetch tasks. This occurs with certain queries that exceed the available heap space.

1. Disable the fetch task caching feature by setting: `hive.fetch.task.caching=false`.
2. You can adjust the `hive.fetch.task.conversion.threshold` property to a lower value in the megabyte range. The default value in Cloudera on premises 7.3.1 is 1 GB.

Known Issues in Apache Impala

Learn about the known issues in Impala, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2:

There are no new known issues identified for Impala in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified for Impala in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1**CDPD-80166: Ignore CREATE_TABLE events for inaccessible databases to prevent event processor error**

7.3.1

CREATE_TABLE events for databases restricted by authorization caused the Impala event processor to enter an ERROR state

The event processor now ignores such events when the database is not found, logging the issue for administrators.

Apache Jira: [IMPALA-11735](#)

CDPD-78277: Customize timezone for UNIXTIME_MICROS columns in Kudu

Impala used the server's timezone for UNIXTIME_MICROS columns, causing mismatches with Spark, which uses UTC.

Added an option to set the timezone, ensuring consistent timestamps between Impala and Spark.

Apache Jira: [IMPALA-12370](#)

CDPD-79017: Fixed lost exceptions during re-analysis failures

When an AnalysisException occurs during re-analysis, calling toSql() throws another exception, causing the original exception to be lost.

The issue was addressed by ensuring the original exception is not lost when an error occurs during query re-analysis. Now, the error message properly logs the root cause instead of being replaced by another exception.

Apache Jira: [IMPALA-12811](#)

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified for Impala in this release.

Known Issues identified in Cloudera Runtime 7.3.1**IMPALA-532: Impala should tolerate bad locale settings**

If the LC_* environment variables specify an unsupported locale, Impala does not start.

Add LC_ALL="C" to the environment settings for both the Impala daemon and the Statestore daemon.

IMPALA-691: Process mem limit does not account for the JVM's memory usage

Some memory allocated by the JVM used internally by Impala is not counted against the memory limit for the impalad daemon.

To monitor overall memory usage, use the top command, or add the memory figures in the Impala web UI /memz tab to JVM memory usage shown on the /metrics tab.

IMPALA-635: Avro Scanner fails to parse some schemas

The default value in Avro schema must match type of first union type, e.g. if the default value is null, then the first type in the UNION must be "null".

Swap the order of the fields in the schema specification. For example, use ["null", "string"] instead of ["string", "null"]. Note that the files written with the problematic schema must be rewritten with the new schema because Avro files have embedded schemas.

IMPALA-1024: Impala BE cannot parse Avro schema that contains a trailing semi-colon

If an Avro table has a schema definition with a trailing semicolon, Impala encounters an error when the table is queried.

Remove trailing semicolon from the Avro schema.

IMPALA-1652: Incorrect results with basic predicate on CHAR typed column

When comparing a CHAR column value to a string literal, the literal value is not blank-padded and so the comparison might fail when it should match.

Use the RPAD() function to blank-pad literals compared with CHAR columns to the expected length.

IMPALA-1821: Casting scenarios with invalid/inconsistent results

Using a CAST() function to convert large literal values to smaller types, or to convert special values such as NaN or Inf, produces values not consistent with other database systems. This could lead to unexpected results from queries.

None

IMPALA-2005: A failed CTAS does not drop the table if the insert fails

If a CREATE TABLE AS SELECT operation successfully creates the target table but an error occurs while querying the source table or copying the data, the new table is left behind rather than being dropped.

Drop the new table manually after a failed CREATE TABLE AS SELECT

IMPALA-3509: Breakpad minidumps can be very large when the thread count is high

The size of the breakpad minidump files grows linearly with the number of threads. By default, each thread adds 8 KB to the minidump size. Minidump files could consume significant disk space when the daemons have a high number of threads.

Add `-\-minidump_size_limit_hint_kb=size` to set a soft upper limit on the size of each minidump file. If the minidump file would exceed that limit, Impala reduces the amount of information for each thread from 8 KB to 2 KB. (Full thread information is captured for the first 20 threads, then 2 KB per thread after that.) The minidump file can still grow larger than the "hinted" size. For example, if you have 10,000 threads, the minidump file can be more than 20 MB.

IMPALA-4978: Impala requires FQDN from hostname command on Kerberized clusters

The method Impala uses to retrieve the host name while constructing the Kerberos principal is the `gethostname()` system call. This function might not always return the fully qualified domain name, depending on the network configuration. If the daemons cannot determine the FQDN, Impala does not start on a Kerberized cluster.

Test if a host is affected by checking whether the output of the `hostname` command includes the FQDN. On hosts where `hostname` only returns the short name, pass the command-line flag `##hostname=FULLY_QUALIFIED_DOMAIN_NAME` in the startup options of all Impala-related daemons.

IMPALA-6671: Metadata operations block read-only operations on unrelated tables

Metadata operations that change the state of a table, like `COMPUTE STATS` or `ALTER RECOVER PARTITIONS`, may delay metadata propagation of unrelated unloaded tables triggered by statements like `DESCRIBE` or `SELECT` queries.

None

IMPALA-7072: Impala does not support Heimdal Kerberos

None

CDPD-28139: Set spark.hadoop.hive.stats.autogather to false by default

As an Impala user, if you submit a query against a table containing data ingested using Spark and you are concerned about the quality of the query plan, you must run `COMPUTE STATS` against such a table in any case after an ETL operation because `numRows` created by Spark could be incorrect. Also, use other stats computed by `COMPUTE STATS`, e.g., Number of Distinct Values (NDV) and NULL count for good selectivity estimates.

For example, when a user ingests data from a file into a partition of an existing table using Spark, if `spark.hadoop.hive.stats.autogather` is not set to `false` explicitly, `numRows` associated with this partition would be 0 even though there is at least one row in the file. To avoid this, the workaround is to set `"spark.hadoop.hive.stats.autogather=false"` in the "Spark Client Advanced Configuration Snippet (Safety Valve) for `spark-conf/spark-defaults.conf`" in Spark's CM Configuration section.

IMPALA-2422: % escaping does not work correctly when occurs at the end in a LIKE clause

If the final character in the RHS argument of a LIKE operator is an escaped \% character, it does not match a % final character of the LHS argument.

None

IMPALA-2603: Crash: impala::Coordinator::ValidateCollectionSlots

A query could encounter a serious error if includes multiple nested levels of INNER JOIN clauses involving subqueries.

None

IMPALA-3094: Incorrect result due to constant evaluation in query with outer join

An OUTER JOIN query could omit some expected result rows due to a constant such as FALSE in another join clause. For example:

```
explain SELECT 1 FROM alltypepty a1
  INNER JOIN alltypesagg a2 ON a1.smallint_col = a2.year AND fals
e
  RIGHT JOIN alltypes a3 ON a1.year = a1.bigint_col;
+---+
| Explain String
+---+
| Estimated Per-Host Requirements: Memory=1.00KB VCores=1
|
| 00:EMPTYSET
+---+
```

CDPD-41138: Reading through <https://github.com/hunterhacker/jdom/issues/189>, the fix for CVE-2021-33813 is specifically that if you were relying on `setFeature("http://xml.org/sax/features/external-general-entities", false)`, it was not applied correctly and you were still vulnerable. However if you used `setExpandEntities(false)` then you're not vulnerable to CVE-2021-33813.

7.2.16.0

I found sources for rome 0.9 at <http://www.java2s.com/Code/Jar/r/Downloadrome09sourcesjar.htm> (it's no longer available at <https://java.net/>) and verified it uses both `setFeature` and `setExpandEntities` to prevent XXE attacks. So I don't believe rome in particular is vulnerable to this issue, and `jdom` 1.0 is only included for rome 0.9.

None

Impala known limitation when querying compacted tables

When the compaction process deletes the files for a table from the underlying HDFS location, the Impala service does not detect the changes as the compactions does not allocate new write ids. When the same table is queried from Impala it throws a 'File does not exist' exception that looks something like this:

```
Query Status: Disk I/O error on <node>:22000: Failed to open HDFS file hdfs://nameservice1/warehouse/tablespace/managed/hive/<database>/<table>/xxxxxx
Error(2): No such file or directory Root cause: RemoteException: File does not exist: /warehouse/tablespace/managed/hive/<database>/<table>/xxxx
```

Use the [REFRESH/INVALIDATE](#) statements on the affected table to overcome the 'File does not exist' exception.

HADOOP-15720: Queries stuck on failed HDFS calls and not timing out

In Impala 3.2 and higher, if the following error appears multiple times in a short duration while running a query, it would mean that the connection between the impalad and the HDFS NameNode is in a bad state.

```
"hdfsOpenFile() for <filename> at backend <hostname:port> failed to finish before the <hdfs_operation_timeout_sec> second timeout"
```

In Impala 3.1 and lower, the same issue would cause Impala to wait for a long time or not respond without showing the above error message.

Restart the impalad.

IMPALA-5605: Configuration to prevent crashes caused by thread resource limits

Impala could encounter a serious error due to resource usage under very high concurrency. The error message is similar to:

```
F0629 08:20:02.956413 29088 llvm-codegen.cc:111] LLVM hit fatal error: Unable to allocate section memory!
terminate called after throwing an instance of 'boost::exception_detail::clone_impl<boost::exception_detail::error_info_injector<boost::thread_resource_error> >'
```

To prevent such errors, configure each host running an impalad daemon with the following settings:

```
echo 2000000 > /proc/sys/kernel/threads-max
echo 2000000 > /proc/sys/kernel/pid_max
echo 8000000 > /proc/sys/vm/max_map_count
```

Add the following lines in /etc/security/limits.conf:

```
impala soft nproc 262144
impala hard nproc 262144
```

IMPALA-9350: Ranger audit logs for applying column masking policies missing

Impala is not producing these logs.

None

IMPALA-1792: ImpalaODBC: Can not get the value in the SQLGetData(m-x th column) after the SQLBindCol(m th column)

If the ODBC SQLGetData is called on a series of columns, the function calls must follow the same order as the columns. For example, if data is fetched from column 2 then column 1, the SQLGetData call for column 1 returns NULL.

Fetch columns in the same order they are defined in the table.

Known Issues in Hue

Learn about the known issues in Hue, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2:

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

CDPD-83015: Issues with files or directories with the % character may fail to open or Copy

7.3.1.300, 7.3.1.400, 7.3.1.500

On RHEL 9.5, files or directories containing the %character may fail to open or copy due to Apache HTTPD version 2.4.62.

None.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

OPSAPS-75134: LDAP and Kerberos dual authentication fails with HiveOnTez in HTTP Transport Mode

Enabling LDAP for the HiveOnTez service in a Kerberos environment with transport mode set to HTTP, Hue fails to load database information due to unsupported server authentication combinations. The HiveOnTez requires `hive.server2.authentication=LDAP, KERBEROS` parameter, but Hue supports the KERBEROS and LDAP values separately, but not combined, causing a conflict and preventing a successful connection to HiveServer2.

- Log into Cloudera Manager Hive-On-Tez Configuration Hive Service Advanced Configuration Snippet (Safety Valve) for `hive-site.xml` and set the following value:

```
hive.server2.authentication=LDAP, KERBEROS
```

- Go to Hue Configuration Hue Server Advanced Configuration Snippet (Safety Valve) for `hive-site.xml` and set the following value:

```
hive.server2.authentication=KERBEROS
```

OPSAPS-73942: The upgrade fails due to configuration issues with the query processor service.

When upgrading from CDP Private Cloud Base 7.1.x versions with the Query Processor service installed to Cloudera 7.3.1, the upgrade wizard fails during the configuration validation phase with the following warning:

"The version of the service query-processor can't be upgraded. You must remove the service before upgrading to the Cloudera 7.3.1."

To proceed with the upgrade:

1. Remove the **Query Processor** service from the cluster.
2. Perform the upgrade to **Cloudera 7.3.1**.
3. Re-add the **Query Processor** service post-upgrade if needed.

CDPD-58978: Batch query execution using Hue fails with Kerberos error

When you run Impala queries in a batch mode, you encounter failures with a Kerberos error even if the keytab is configured correctly. This is because submitting Impala, Sqoop, Pig, or pyspark queries in a batch mode launches a shell script Oozie job from Hue and this is not supported on a secure cluster.

There is no workaround. You can submit the queries individually.

CDPD-54376: Clicking the home button on the File Browser page redirects to HDFS user directory

When you are previewing a file on any supported filesystem, such as S3 or ABFS, and you click on the Home button, you are redirected to the HDFS user home directory instead of the user home directory on the said filesystem.

None.

CDPD-43293: Unable to import Impala table using Importer

Creating Impala tables using the Hue Importer may fail.

If you have both Hive and Impala services installed on your cluster, then you can import the table using by selecting the Hive dialect from Tables Sources .

If only Impala service is installed on your cluster, then go to Cloudera Manager Clusters Hue Configurations and add the following line in the Hue Service Advanced Configuration Snippet (Safety Valve) for hue_safety_valve.ini field:

```
[beeswax]
max_number_of_sessions=1
```

CDPD-64541, CDPD-63617: Creating managed tables using Hue Importer fails on RAZ-enabled GCP environments

On Google Cloud Platform (GCP) environments, creating managed tables in both Hive and Impala dialects fails and temporary (tmp) tables are dumped (created). This is most likely because Hive and Impala cannot load data inpath from Google Storage (outside of Hue).

None.

CDPD-56888: Renaming a folder with special characters results in a duplicate folder with a new name on AWS S3.

On AWS S3, if you try to rename a folder with special characters in its name, a new folder is created as a copy of the original folder with its contents. Also, you may not be able to delete the folder containing special characters.

You can rename or delete a directory having special characters using the HDFS commands as follows:

1. SSH into your Cloudera environment host.

- To delete a directory within your S3 bucket, run the following command:

```
hdfs dfs -rm -r [***COMPLETE-PATH-TO-S3-BUCKET***] / [***DIRECTORY-NAME***]
```

- To rename a folder, create a new directory and run the following command to move files from the source directory to the target directory:

```
hdfs dfs -mkdir [***DIRECTORY-NAME***]
```

```
hdfs dfs -mv [***COMPLETE-PATH-TO-S3-BUCKET***] / [***SOURCE-DIRECTORY***] [***COMPLETE-PATH-TO-S3-BUCKET***] / [***TARGET-DIRECTORY***]
```

CDPD-48146: Error while browsing S3 buckets or ADLS containers from the left-assist panel

You may see the following error while trying to access the S3 buckets or ADLS containers from the left-assist panel in Hue: Failed to retrieve buckets: :1:0: syntax error.

Access the S3 buckets or ADLS containers using the File Browser.

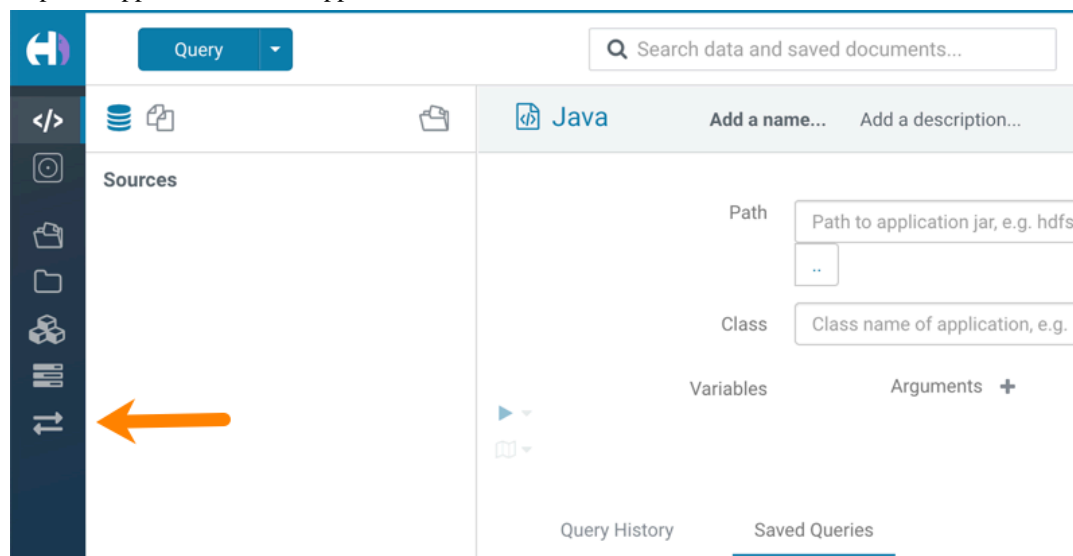
CDPD-42619: Unable to import a large CSV file from the local workstation

You may see an error message while importing a CSV file into Hue from your workstation, stating that you cannot import files of size more than 200 KB.

Upload the file to S3 or ABFS and then import it into Hue using the Importer.

Hue Importer is not supported in the Data Engineering template

When you create a Cloudera Data Hub cluster using the Cloudera Data Engineering template, the Importer application is not supported in Hue:



Unsupported features

CDPD-59595: Spark SQL does not work with all Livy servers that are configured for High Availability

SparkSQL support in Hue with Livy servers in HA mode is not supported. Hue does not automatically connect to one of the Livy servers. You must specify the Livy server in the Hue Advanced Configuration Snippet as follows:

```
[desktop]
[spark]
livy_server_url=http(s)://[***LIVY-FOR-SPARK3-SERVER-HOST***]:
[***LIVY-FOR-SPARK3-SERVER-PORT***]
```


Moreover, you may see the following error in Hue when you submit a SparkSQL query: Expecting value: line 2 column 1 (char 1). This happens when the Livy server does not respond to the request from Hue.

Specify all different Livy servers in the `livy_server_url` property one at a time and use the one which does not cause the issue.

Importing and exporting Oozie workflows across clusters and between different CDH versions is not supported

You can export Oozie workflows, schedules, and bundles from Hue and import them only within the same cluster if the cluster is unchanged. You can migrate bundle and coordinator jobs with their workflows only if their arguments have not changed between the old and the new cluster. For example, hostnames, NameNode, Resource Manager names, YARN queue names, and all the other parameters defined in the `workflow.xml` and `job.properties` files.

Using the import-export feature to migrate data between clusters is not recommended. To migrate data between different versions of CDH, for example, from CDH 5 to Cloudera 7, you must take the dump of the Hue database on the old cluster, restore it on the new cluster, and set up the database in the new environment. Also, the authentication method on the old and the new cluster should be the same because the Oozie workflows are tied to a user ID, and the exact user ID needs to be present in the new environment so that when a user logs into Hue, they can access their respective workflows.



Note: Migrating Oozie workflows from HDP clusters is not supported.

Known Issues in Apache Iceberg

Learn about the known issues in Iceberg, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

CDPD-83022: Incorrect row count displayed in table metadata after compaction

7.3.1.400, 7.3.1.500

After running data compaction operations on large tables, the row count displayed by the `DESC RIBE FORMATTED` command may be inaccurate. Initially, the count may appear higher than the actual number of rows. Subsequently, after running the `ANALYZE` command to update table statistics, the count might then appear lower than the actual number of rows.

This issue has been observed in large tables containing a significant number of historical snapshots (exceeding 10000). All these snapshots are primarily generated through `UPDATE` operations.

It is important to note that this is just a metadata display issue, and there is no loss of data. The underlying table data remains complete and correct.

To obtain an accurate row count, use the `SELECT COUNT(*)` query.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

CDPD-78381: Performance degradation noticed in some Hive Iceberg TPC-DS queries

7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

While running Hive TPC-DS (Parquet + Iceberg) performance benchmarking for Cloudera Runtime 7.3.1.100, the overall performance of Iceberg tables resulted in a 15.68% increase as compared to Iceberg tables in Cloudera Runtime 7.3.1.0. However, it was noticed that some of the queries resulted in a decreased performance.

None.

CDPD-78134: CBO fails when a materialized view is dropped but its pre-compiled plan remains in the registry.

7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Consider a cluster having two HiveServer (HS2) instances. Each HS2 instance contains its own Materialized View (MV) registry and the registries contain pre-compiled plans of MVs that are enabled for query rewriting. Without the registries, MVs will have to be loaded and compiled during each query compilation, resulting in slow query performance.

When MVs are created or dropped, they are added to or removed from the registry pertaining to the HS2 instance that issues the create or drop statement. The other HS2 instance is not immediately notified of the change. A background process is scheduled to refresh the registry, however, this process does not handle the removal of dropped MVs.

When an MV is dropped by one of the HS2 instances, it remains in the registry of the other HS2 instance. Now, if a query is processed in the second HS2 instance, the rewrite algorithm still attempts to use the dropped MV. If this MV is stored in an Iceberg table, the storage handler tries to refresh the MV metadata from the metastore but throws an exception because the MV no longer exists, resulting in a CBO failure.

Perform one of the following workarounds to address the issue:

- Restart all the HS2 instances after dropping the MV.
- From Cloudera Manager, go to **Clusters Hive Configuration** and add the `hive.server2.materializedviews.registry.impl=DUMMY` property in the HiveServer2 Advanced Configuration Snippet (Safety Valve) for `hive-site.xml`. The DUMMY value indicates that MVs should not be cached and requests should be forwarded to Hive Metastore.



Note: Setting this property to DUMMY was done for testing purposes and can greatly increase the query compilation time.

Apache JIRA: [HIVE-28773](#)

Known issues in Cloudera Runtime 7.3.1

CDPD-75667: Querying an Iceberg table with a `TIMESTAMP_LTZ` column can result in data loss

7.3.1

7.3.1.100

When you query an Iceberg table that has a `TIMESTAMP_LTZ` column, the query could result in data loss.

When creating Iceberg tables from Spark, set the following Spark configuration to avoid creating columns with the `TIMESTAMP_LTZ` type:

```
spark.sql.timestampType=TIMESTAMP_NTZ
```

Apache JIRA: [IMPALA-13484](#)

CDPD-75411: `SELECT COUNT` query on an Iceberg table in AWS times out

7.3.1, 7.3.1.100, 7.3.1.200

7.3.1.300

In an AWS environment, a `SELECT COUNT` query that is run on an Iceberg table times out because some 4KB ORC file parts cannot be downloaded. This issue occurs because Iceberg uses

the positional delete index only if the count of positional deletes are less than a threshold value which is by default, 100000.

None.

CDPD-75088, CDPD-75218: Iceberg tables in azure cannot be partitioned by strings ending in '.'

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

In an Azure environment, you cannot create Iceberg tables from Spark that are partitioned by string columns having a partition value that contains the period (.) character. The query fails with the following error:

```
24/10/08 18:14:12 WARN scheduler.TaskSetManager: [task-result-getter-2]: Lost task 0.0 in stage 2.0 (TID 2) (spark-sfvq0t-compute0.spark-r9.l2ov-m7vs.int.cldr.work executor 1): java.lang.IllegalArgumentException: ABFS does not allow files or directories to end with a dot.
```

None.

CDPD-72942: Unable to read Iceberg table from Hive after writing data through Apache Flink

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If you create an Iceberg table with default values using Hive and insert data into the table through Apache Flink, you cannot then read the Iceberg table from Hive using the Beeline client, and the query fails with the following error:

```
Error while compiling statement: java.io.IOException: java.io.IOException: Cannot create an instance of InputFormat class org.apache.hadoop.mapred.FileInputFormat as specified in mapredWork!
```

The issue persists even after you use the ALTER TABLE statement to set the engine.hive.enabled table property to "true".

None.

Apache JIRA: [HIVE-28525](#)

CDPD-71962: Hive cannot write to a Spark Iceberg table bucketed by date column

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If you have used Spark to create an Iceberg table that is bucketed by the "date" column and then try inserting or updating this Iceberg table using Hive, the query fails with the following error:

```
Error: Error while compiling statement: FAILED: RuntimeException org.apache.hadoop.hive ql.exec.UDFArgumentException: ICEBERG_BUCKET() only takes STRING/CHAR/VARCHAR/BINARY/INT/LONG/DECIMAL/FLOAT/DOUBLE types as first argument, got DATE (state=42000,code=40000)
```

This issue does not occur if the Iceberg table is created through Hive.

None.

CDPD-84220: Cannot query Iceberg tables

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

You cannot query existing Iceberg tables after you enable HDFS HA. This is because Iceberg stores the table path in the manifest files differently depending on whether the HDFS HA is enabled or not. After you enable HDFS HA, you might not be able to query the tables created prior to you enabling HDFS HA.

None.

Known Issues in Iceberg REST Catalog

Learn about the known issues in Iceberg REST Catalog, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.600 SP3 CHF1

There are no new known issues identified for Iceberg REST Catalog in this release.

Known Issues identified in Cloudera Runtime 7.3.1.500 SP3

There are no new known issues identified for Iceberg REST Catalog in this release.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

CDPQE-40109: REST Catalog needs to be reconfigured, after migration DL from LD to EDL.

After migrating the Data Lake (DL) from Light Duty to Enterprise Data Lake (EDL), all previously configured REST Catalog settings are missing. These include configurations such as the Hive Metastore (HMS) REST catalog enablement flag and Knox settings.

Manually reconfigure the REST Catalog settings after Data Lake migration. This includes the following:

- Reenable the REST catalog flag in HMS.
- Repeat the necessary Knox configurations.

CDPQE-40110: REST Catalog needs to be reconfigured, after performing backup & restore to new DL

When performing a Data Lake backup and restore to new DL, any REST Catalog configurations made through Cloudera Manager, including enabling the Hive Metastore REST Catalog and Knox settings, are not retained in the restored Data Lake.

Manually reconfigure the REST Catalog settings after Data Lake backup or restore. This includes the following:

- Reenable the REST catalog flag in HMS.
- Repeat the necessary Knox configurations.

DOCS-25855: REST Catalog needs to be reconfigured after performing upgrade recovery

When a patch upgrade fails for a cluster with REST Catalog, perform an SDX Upgrade recover operation on the Data Lake as the REST Catalog settings are not retained.

Manually reconfigure the REST Catalog settings after performing a Data Lake upgrade recovery. This includes the following:

- Reenable the REST catalog flag in HMS.
- Repeat the necessary Knox configurations.

DOCS-26132: Data Lake Zero Downtime Upgrade (ZDU) is not supported as High Availability (HA) support not available for REST Catalog

Data Lake Zero Downtime Upgrade (ZDU) is not supported for REST Catalog. At the time of a rolling upgrade, when the HMS role is stopped, Rest APIs calls are failing with the HTTP 500 error.

None

DOCS-25891: Ranger Audits not recorded for roles or client ids

When running a Curl call or selecting a query from the Spark client via CLIENT-ID and CLIENT_SECRET, there is no audit log recorded in Apache Ranger.

Apache Ranger audits for the REST Catalog meta operations will not show up unless HMS and REST Catalog is restarted after configuring Apache Knox and the IDBroker and reenabling REST Catalog for Cloudera Data Sharing.

DOCS-25863: Rollback query on Cloudera does not pick up correct metadata file and snapshot on Snowflake

After performing a rollback for table in Apache Hive, the pointer shows the correct file in Cloudera, but Snowflake shows the last snapshot instead of the snapshot targeted by the rollback.

In Snowflake, remove the table from the current schema with DROP and recreate it.

DOCS-25892: Materialized View and Metadata Read Fails from External Client (EMR)

After you create a materialized view for an Apache Hive table and try to read it using the AWS Elastic Map Reduce (EMR) external client, the read operation fails. This is because the Iceberg REST 1.3.1 specification supported by Cloudera are not supporting external clients yet.

DOCS-25895: Compatibility and Access Solutions for Cloudera Iceberg REST Catalog with Snowflake

Cloudera complies with the current Apache Iceberg REST Catalog API specification, providing credentials in the response to the LoadTable API call. Snowflake currently does not use the credentials in the LoadTable API response. Instead, Snowflake retrieves the credentials via a separate API call.

This issue has been raised with Snowflake, and they acknowledge it and are actively working on a resolution.

Until the update is available, consider using the external volume approach suggested by Snowflake when accessing the Iceberg REST catalog from Snowflake.

CDPD-85253: Rest Catalog service should use only HMS RangerHiveAuthorizer for its command authorization

Due to the static nature of the hive ranger plugin, having a new instance of HivePlugin for REST Catalog causes overwriting of the hivePlugin reference and using it for authorization. This is caused due to the REST Catalog being embedded in the HMS and not having its separate service. You have to use hiveMetastore as an application filter in Ranger Audits to see the audit events.

CDPD-82812: The High Availability feature is not working for Rest Catalog

7.3.1.400, 7.3.1.500

The Knox topology file cdp-share-access.xml created during Cloudera Data Sharing setup cannot handle multiple Hive Metastore nodes. In case of a node failure, the healthy nodes cannot reliably take over the workload.

Known Issues in Apache Kafka

Learn about the known issues in Kafka, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1**OPSAPS-59553: Streams Messaging Manager bootstrap server config should be updated based on Kafka's listeners**

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Streams Messaging Manager does not show any metrics for Kafka or Kafka Connect when multiple listeners are set in Kafka.

Streams Messaging Manager cannot identify multiple listeners and still points to bootstrap server using the default broker port (9093 for SASL_SSL). You need to override the bootstrap server URL by performing the following steps:

1. In Cloudera Manager, go to Streams Messaging Manager Configuration Streams Messaging Manager Rest Admin Server Advanced Configuration Snippet (Safety Valve)
2. Override bootstrap server URL (hostname:port as set in the listeners for broker) for streams-messaging-manager.yaml.
3. Save your changes.
4. Restart SMM.

KAFKA-2561: Performance degradation when SSL Is enabled

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

In some configuration scenarios, significant performance degradation can occur when SSL is enabled. The impact varies depending on your CPU, JVM version, Kafka configuration, and message size. Consumers are typically more affected than producers.

Configure brokers and clients with `ssl.secure.random.implementation = SHA1PRNG`. It often reduces this degradation drastically, but its effect is CPU and JVM dependent.

RANGER-3809: Idempotent Kafka producer fails to initialize due to an authorization failure

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Kafka producers that have idempotence enabled require the Idempotent Write permission to be set on the cluster resource in Ranger. If permission is not given, the client fails to initialize and an error similar to the following is thrown:

```
org.apache.kafka.common.KafkaException: Cannot execute transactional method because we are in an error state
    at org.apache.kafka.clients.producer.internals.TransactionManager.maybeFailWithError(TransactionManager.java:1125)
    at org.apache.kafka.clients.producer.internals.TransactionManager.maybeAddPartition(TransactionManager.java:442)
    at org.apache.kafka.clients.producer.KafkaProducer.doSend(KafkaProducer.java:1000)
    at org.apache.kafka.clients.producer.KafkaProducer.send(KafkaProducer.java:914)
    at org.apache.kafka.clients.producer.KafkaProducer.send(KafkaProducer.java:800)
    .
    .
    .
    Caused by: org.apache.kafka.common.errors.ClusterAuthorizationException: Cluster authorization failed.
```

Idempotence is enabled by default for clients in Kafka 3.0.1, 3.1.1, and any version after 3.1.1. This means that any client updated to 3.0.1, 3.1.1, or any version after 3.1.1 is affected by this issue.

This issue has two workarounds, do either of the following:

- Explicitly disable idempotence for the producers. This can be done by setting `enable.idempotence` to false.

- Update your policies in Ranger and ensure that producers have Idempotent Write permission on the cluster resource.

CDPD-49304: AvroConverter does not support composite default values

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

AvroConverter cannot handle schemas containing a STRUCT type default value.

None.

DBZ-4990: The Debezium Db2 Source connector does not support schema evolution

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

The Debezium Db2 Source connector does not support the evolution (updates) of schemas. In addition, schema change events are not emitted to the schema change topic if there is a change in the schema of a table that is in capture mode. For more information, see [DBZ-4990](#).

None.

CFM-3532: The Stateless NiFi Source, Stateless NiFi Sink, and HDFS Stateless Sink connectors cannot use Snappy compression

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

This issue only affects Stateless NiFi Source and Sink connectors if the connector is running a dataflow that uses a processor that uses Hadoop libraries and is configured to use Snappy compression. The HDFS Stateless Sink connector is only affected if the Compression Codec or Compression Codec for Parquet properties are set to SNAPPY.

If you are affected by this issue, errors similar to the following will be present in the logs.

```
Failed to write to HDFS due to java.lang.UnsatisfiedLinkError: o
rg.apache.hadoop.util.NativeCodeLoader.buildSupportsSnappy()
```

```
Failed to write to HDFS due to java.lang.RuntimeException: nativ
e snappy library not available: this version of libhadoop was bu
ilt without snappy support.
```

Download and deploy missing libraries.



Important: Ensure that you complete steps 1-11 on all Kafka Connect hosts. Additionally, ensure that the advanced configuration snippet in step 12 is configured for all Kafka Connect role instances.

1. Create the /opt/nativelibs directory.

```
mkdir /opt/nativelibs
```

2. Change the owner to kafka.

```
chown kafka:kafka /opt/nativelibs
```

3. Locate the directory containing the Hadoop native libraries and copy its contents to the directory you created.

```
cp /opt/cloudera/parcels/CDH/lib/hadoop/lib/native/* /opt/nativelibs
```

4. Verify that libsnappy.so was copied to the directory you created.
5. Remove the following from /opt/nativelibs.

```
libhadoop.a
libhadoop.so
libhadoop.so.1.0.0
```

- Run the following command.

```
hadoop version
```

The command returns the Hadoop version running in the cluster. Note down the first three digits in the version.

- Go to <https://archive.apache.org/dist/hadoop/common/> and download the Hadoop version that matches the first three digits of the version running in the cluster.

For example, if your Hadoop version is 3.1.1.7.1.9.0-296, then you need to download Hadoop 3.1.1.

- Extract the downloaded archive.
- Copy the following libraries from the downloaded archive to /opt/nativelibs on the cluster host.

```
libhadoop.a
libhadoop.so.1.0.0
```

The libraries are located in `hadoop-***VERSION***/lib/native`.

- Create a symlink named `libhadoop.so` and point it to `/opt/nativelibs/libhadoop.so.1.0.0`.

```
ln -s /opt/nativelibs/libhadoop.so.1.0.0 /opt/nativelibs/libhadoop.so
```

- Change the owner of every entry within `/opt/nativelibs` to `kafka`.

```
chown -h kafka:kafka /opt/nativelibs/*
```

- In Cloudera Manager, go to `Kafka service Configuration`.
- Add the following key-value pair to `Kafka Connect Environment Advanced Configuration Snippet (Safety Valve)`.
 - Key: `LD_LIBRARY_PATH`
 - Value: `/opt/nativelibs`
- Click `Save Changes`.
- Restart the `Kafka` service.

OPSAPS-69317: Kafka Connect Rolling Restart Check fails if SSL Client authentication is required

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

The rolling restart action does not work in Kafka Connect when the `ssl.client.auth` option is set to required. The health check fails with a timeout which blocks restarting the subsequent Kafka Connect instances.

You can set `ssl.client.auth` to `requested` instead of `required` and initiate a rolling restart again. Alternatively, you can perform the rolling restart manually by restarting the Kafka Connect instances one-by-one and checking periodically whether the service endpoint is available before starting the next one.

Unsupported Features

The following Kafka features are not supported in Cloudera

- Only Java and .Net based clients are supported. Clients developed with C, C++, Python, and other languages are currently not supported.
- The Kafka default authorizer is not supported. This includes setting ACLs and all related APIs, broker functionality, and command-line tools.
- SASL/SCRAM is only supported for delegation token based authentication. It is not supported as a standalone authentication mechanism.

- Kafka KRaft in this release of Cloudera Runtime is in technical preview and does not support the following:
 - Deployments with multiple log directories. This includes deployments that use JBOD for storage.
 - Delegation token based authentication.
 - Migrating an already running Kafka service from ZooKeeper to KRaft.
 - Atlas Integration.

Limitations

Collection of partition level metrics may cause Cloudera Manager performance to degrade

If the Kafka service operates with a large number of partitions, collection of partition level metrics may cause Cloudera Manager performance to degrade.

If you are observing performance degradation and your cluster is operating with a high number of partitions, you can choose to disable the collection of partition level metrics.



Important: If you are using Streams Messaging Manager to monitor Kafka or Cruise Control for rebalancing Kafka partitions, be aware that both Streams Messaging Manager and Cruise Control rely on partition level metrics. If partition level metric collection is disabled, Streams Messaging Manager will not be able to display information about partitions. In addition, Cruise Control will not operate properly.

Complete the following steps to turn off the collection of partition level metrics:

1. Obtain the Kafka service name.
 - a. In Cloudera Manager, Select the Kafka service.
 - b. Select any available chart, and select Open in Chart Builder from the configuration icon drop-down.
 - c. Find \$SERVICENAME= near the top of the display.

The Kafka service name is the value of \$SERVICENAME.
2. Turn off the collection of partition level metrics.
 - a. Go to Hosts Hosts Configuration .
 - b. Find and configure the Cloudera Manager Agent Monitoring Advanced Configuration Snippet (Safety Valve) configuration property.

Enter the following to turn off the collection of partition level metrics:

```
[KAFKA_SERVICE_NAME]_feature_send_broker_topic_partition_entity_update_enabled=false
```

Replace [KAFKA_SERVICE_NAME] with the service name of Kafka obtained in step 1. The service name should always be in lower case.

- c. Click Save Changes.

Known Issues in Apache Knox

Learn about the known issues in Knox, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.500 SP3

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

CDPD-84236: Token generated by one Knox host fails with Unknown token error on another Knox host in Data Engineering High Availability clusters

7.3.1.400, 7.3.1.500

In Data Engineering High Availability clusters, a token generated by one Knox host may fail with an Unknown token error when accessed through another Knox host. This issue occurs due to a race condition in the PostgreSQL database, which prevents one of the Knox instances from properly initializing its configured token state service.

Restart Knox on all hosts.

CDPD-82812: The High Availability feature is not working for Rest Catalog

7.3.1.400, 7.3.1.500

The Knox topology file `cdp-share-access.xml` created during Cloudera Data Sharing setup cannot handle multiple Hive Metastore nodes. In case of a node failure, the healthy nodes cannot reliably take over the workload.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

OPSAPS-73038: False-positive port conflict error message appears in Cloudera Manager

7.3.1.300, 7.3.1.400

Cloudera Manager may display a false-positive error message Port conflict detected: 8443 (Gateway Health HTTP Port) is also used by: Knox Gateway during cluster installation. The warning does not cause actual installation failures.

None.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified for Knox in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified for Knox in this release.

Known Issues in Cloudera Runtime 7.3.1

CDPD-71305: Concurrent impala shell connection failure

7.1.9 SP1 and its CHF, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If a user makes a concurrent impala-shell connection through Knox, then the connection fails.

Use only one Knox role.

CDPD-73368: Knox token management is not working if Cookie Management is enabled

7.3.1, 7.3.1.100, 7.3.1.200

7.3.1.300

If Cookie Management is enabled, users are unable to access the Token Management page from the Knox Gateway UI by using KnoxSSO.

None.

Apache JIRA: [KNOX-3060](#)

CDPD-68146: Unable to update the log level for Knox from Cloudera Manager

7.1.9, 7.2.17, 7.2.18, 7.3.1, 7.3.1.100

7.3.1.200

Users are not able to change the log level for Knox from Cloudera Manager. Hence, it impacts debugging in case of any issue.

Change the level for the `org.apache.knox.gateway` logger in `/var/lib/knox/gateway/conf/gateway-log4j2.xml` file and restart Knox.

CDPD-64652: During CDH + OS rolling upgrade Knox admin api access fails with 403 ACL authorization failures

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

During OS upgrades, attempts to access Knox on the host being upgraded may produce occasional 403 HTTP responses.

Since the cause is the unavailability of underlying OS service(s), wait and retry the failed request(s).

CDPD-60379: During rolling upgrade of Knox service, access fails with 503/500/404/403 error code

7.1.9, 7.2.18, 7.3.1

7.3.1

The user operation which is performed during the rolling upgrade of Knox might fail with 503/500/404/403 error code.

Retry the user operation.

CDPD-60376: Cloud loadbalancer takes 20-30 secs to failover to the next available Knox host

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If Knox is in HA and one of the Knox server is down, then accessing of service via Control plane endpoint url(i.e. via cloud loadbalancer) will take ~ 30secs to failover the request to available Knox instance.

Retry the request after 30 seconds.

CDPD-3125: Logging out of Atlas does not manage the external authentication

7.2.16, 7.2.17, 7.2.18, 7.1.7, 7.1.9, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

At this time, Atlas does not communicate a log-out event with the external authentication management, Apache Knox. When you log out of Atlas, you can still open the instance of Atlas from the same web browser without re-authentication.

To prevent additional access to Atlas, close all browser windows and exit the browser.

CDPD-74843: Logs missing in third-party libraries

7.3.1

7.3.1.300

Some third-party libraries have missing logs due to a missing log4j library, which affects the ability to diagnose and troubleshoot issues. Knox is unable to modify the ROOT logger's level due to the missing log4j-slf4j-impl dependency.

Known Issues in Apache Kudu

Learn about the known issues in Kudu, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2:

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

Kudu supports both coarse-grain and fine-grain authorization, but Kudu does not yet support integration with Atlas.

None

KUDU-3619: Major delta compaction for a tablet might fail for particular workloads due to a bug introduced with KUDU-3367

A bug has been introduced with KUDU-3367 functionality. The bug manifests itself when a tablet server's maintenance thread attempts to run a major delta compaction on a tablet where many rows have been deleted, and the attempt fails with an error. To know more about the error message pattern, see KUDU-3619. If that happens, the corresponding tablet might accumulate a lot of updates that cannot be compacted and later garbage collected. In extreme cases, it could lead to running out of disk space when many tablet replicas hosted at the same tablet server hit the issue.

If a tablet server is affected by the issue, messages like the below are present in the tablet server's logs, where <tabletUUID> and <rowsetID> placeholders are populated with corresponding identifiers:

Major delta compaction failed on <tabletUUID>: Corruption: Failed major delta compaction on RowSet(<rowsetID>): No min key found: CFile base data in RowSet(<rowsetID>).

Set the `--all_delete_op_delta_file_cnt_for_compaction` flag to a very high value (e.g. 1000000) using the Tablet Server Advanced Configuration Snippet (Safety Valve) for gflagfile in the Cloudera Manager UI and restart all the tablet servers in the Kudu cluster.

Apache Jira: [KUDU-3619](#).

Unsupported feature

Kudu HMS Sync is disabled and is not yet supported.

Known Issues in Livy

Learn about the known issues in Livy, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified for Livy in this release.

Known Issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified for Livy in this release.

Known Issues in Apache Oozie

Learn about the known issues in Oozie, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

Oozie jobs fail (gracefully) on secure YARN clusters when JobHistory server is down

If the JobHistory server is down on a YARN (MRv2) cluster, Oozie attempts to submit a job, by default, three times. If the job fails, Oozie automatically puts the workflow in a SUSPEND state.

Workaround: When the JobHistory server is running again, use the resume command to inform Oozie to continue the workflow from the point at which it left off.

CDPD-5340: The resourceManager property defined in an Oozie workflow might not work properly if the workflow is submitted through Knox proxy.

An Oozie workflow defined to use the resourceManager property might not work as expected in situations when the workflow is submitted through Knox proxy.

Workaround: Define the jobTracker property with the same value as that of the resourceManager property.

Unsupported Feature

The following Oozie features are currently not supported in Cloudera:

- Non-support for Pig action (CDPD-1070)
- Conditional coordinator input logic

Known Issues in Apache Parquet

Learn about the known issues in Parquet, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified in this release.

Known Issues in Apache Phoenix

Learn about the known issues in Phoenix, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified in this release.

Known Issues in Apache Ranger

Learn about the known issues in Ranger, the impact or changes to the functionality, and the workaround.

Known Issues in Cloudera Runtime 7.3.1.500 SP3

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1**UnsupportedClassVersionError**

JDK 8 deployments support Nashorn JavaScript engine, which is built-in and fully compatible, whereas JDK 17 deployments support GraalJS script engine due to unavailability of Nashorn.

When your cluster supports both JDK 8 and JDK 17, then while a Java application, running on JDK 8, uses generic interfaces like ScriptEngine (from the javax.script package), the ScriptEngineManager class scans the classpath for available script engine implementations through the service provider mechanism, and detects the GraalJS as a provider for JavaScript, because in this case the GraalJS library (version 22.3.0) is also included on the classpath. The ScriptEngineManager then attempts to instantiate it, when requesting a "js" or "javascript" engine, and triggers an UnsupportedClassVersionError.

Remove the GraalJS library from the classpath.

CDPD-3296: Audit files for Ranger plugin components do not appear immediately in S3 after cluster creation

For Ranger plugin components (Atlas, Hive, HBase, etc.), audit data is updated when the applicable audit file is rolled over. The default Ranger audit rollover time is 24 hours, so audit data appears 24 hours after cluster creation.

To see the audit logs in S3 before the default rollover time of 24 hours, use the following steps to override the default value in the Cloudera Manager safety valve for the applicable service.

1. On the Configuration tab in the applicable service, select Advanced under CATEGORY.
2. Click the + icon for the <service_name> Advanced Configuration Snippet (Safety Valve) for ranger-<service_name>-audit.xml property.
3. Enter the following property in the Name box:
xasecure.audit.destination.hdfs.file.rollover.sec.
4. Enter the desired rollover interval (in seconds) in the Value box. For example, if you specify 180, the audit log data is updated every 3 minutes.
5. Click Save Changes and restart the service.

Known Issues in Schema Registry

Learn about the known issues in Schema Registry, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

CDPD-40380: Authorization checking issue when Kerberos is disabled

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Due to an issue in Ranger, when Kerberos is disabled then it is not possible to check authorization.

1. Open Schema Registry configuration in Cloudera Manager.
2. Find the ranger.plugin.schema-registry.service.name field.
3. Replace GENERATED_RANGER_SERVICE_NAME with the actual name of the service.
4. Restart the Schema Registry service.

CDPD-49304: AvroConverter does not support composite default values

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

AvroConverter cannot handle schemas containing a STRUCT type default value.

None.

OPSAPS-70971: Schema Registry does not have permissions to use Atlas after an upgrade

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Following an upgrade, Schema Registry might not have the required permissions in Ranger to access Atlas. As a result, Schema Registry's integration with Atlas might not function in secure clusters where Ranger authorization is enabled.

1. Access the Ranger Console (Ranger Admin web UI).
2. Click the cm_atlas resource-based service.
3. Add the schemaregistry user to the all - * policies.
4. Click Manage Service Edit Service .
5. Add the schemaregistry user to the default.policy.users property.

OPSAPS-69317: Kafka Connect Rolling Restart Check fails if SSL Client authentication is required

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

The rolling restart action does not work in Kafka Connect when the ssl.client.auth option is set to required. The health check fails with a timeout which blocks restarting the subsequent Kafka Connect instances.

You can set ssl.client.auth to requested instead of required and initiate a rolling restart again. Alternatively, you can perform the rolling restart manually by restarting the Kafka Connect instances one-by-one and checking periodically whether the service endpoint is available before starting the next one.

Known Issues in Apache Solr

Learn about the known issues in Apache Solr, the impact or changes to the functionality, and the workaround.

Known issues identified in Cloudera Runtime 7.3.1.500 SP3

Ranger Audit Solr Data Lake restoration fails

The following steps highlight a manual remediation process for a specific failure encountered during a Data Lake restore or upgrade, particularly affecting the ranger_audit Solr collection. This issue arises when Solr leaves behind residual replica instancedirs or data directory entries, causing recreation attempts to fail with an error stating "another core is already defined."



Note: Ensure that you use these steps whenever restore-datalake stalls on rangerAuditsCollection and you find the "another core is already defined there" error in Solr logs.

1. Check the Solr service state in Cloudera Manager and ensure that all Solr server roles display a green status.
2. Inspect the current ranger_audits state.

```
curl "<http://<gateway>>:8983/solr/admin/collections?
action=CLUSTERSTATUS&collection=ranger_audits&wt=json" | jq
'.cluster.collections.ranger_audits'
```

```
# Per Solr host
grep -A3 "Error CREATEing SolrCore" /var/log/solr/solr-cmf-*
.log.out
# Look for `Could not create a new core ... as another core
is already defined there`.
```


3. Clean up any lingering shards or replicas.

- Remove collection state from Solr

```
curl "http://<gateway>:8983/solr/admin/collections?
action=DELETE&name=ranger_audits&wt=json"
```

If the collection is already absent, the command returns an error, which you can ignore.

- Check if there are any leftover ranger_audits directories on HDFS.

```
hdfs dfs -ls /solr-infra/ | grep ranger_audits
```

- Remove the ranger_audits data directories on HDFS.

```
hdfs dfs -rm -r /solr-infra/ranger_audits_shardX_replica_nY
```

- Check if there are any leftover ranger_audits directories.

```
ls -ld /var/lib/solr-infra/ranger_audits*
```

- Remove the local ranger_audits instance directories.

4. Restart the Solr service.

Validate CLUSTERSTATUS again to ensure that ranger_audits is removed and the cluster is healthy before re-running the restore operation.

5. Re-run the Data Lake restore operation.

Known issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

HBase indexer does not load netty and snappy libraries

The HBase indexer loads the netty and snappy libraries and these libraries are necessary for the Key-Value Indexer to work. However, the Key-Value Indexer cannot use these libraries if /tmp is mounted with the noexec property. To address this issue, you have to manually specify another directory instead of the default /tmp.

Perform the following steps to resolve this issue:

1. Go to the Key-Value Store Indexer service Configuration .
2. Search for the Key-Value Store Indexer Service Environment Advanced Configuration Snippet (Safety Valve) property.
3. If the HBASE_INDEXER_OPTS key is already present in the configuration, append the following value else add the following key and value:

```
Name : HBASE_INDEXER_OPTS
```

```
Value: -Dorg.apache.hbase.thirdparty.io.netty.native.workdir=/
var/hbase-solr/netty-workdir -Dorg.xerial.snappy.tempdir=/var/
hbase-solr/snappy-tempdir
```

**Note:**

- If the /var/hbase-solr/netty-workdir and /var/hbase-solr/snappy-tempdir file system locations do not exist, create the directories and ensure that the "hbase" user has permissions to write into these directories.
- Run the chown command on the directories. For example,

```
chown -R hbase:hbase /var/hbase-solr/netty-workdir
```

4. Restart the Key-Value Store Indexer service by clicking Key-Value Store Indexer service Actions Restart .

HBase Indexer does not work with JDK 17

Depending on the Cloudera Manager version used with Cloudera, HBase Indexer (KS Indexer) may have compatibility issues with JDK 17.

You have the following options to fix this issue:

- Upgrade Cloudera Manager to version 7.11.3 or higher.
- If upgrading Cloudera Manager is not an option, you can manually add the following to HBase Indexer Java options in Cloudera Manager:

```
--add-opens java.base/java.nio=ALL-UNNAMED --add-opens java.
base/java.util.concurrent.atomic=ALL-UNNAMED --add-opens jav
a.base/java.lang=ALL-UNNAMED --add-opens java.base/java.lang
.reflect=ALL-UNNAMED
```

Splitshard operation fails after CDH 6 to Cloudera upgrade

Collections are not reindexed during an upgrade from CDH 6 to Cloudera 7 because Lucene 8 (Cloudera) can read Lucene 7 (CDH 6) indexes.

If you try to execute a SPLITSHARD operation against such a collection, it fails with a similar error message:

```
o.a.s.h.a.SplitOp ERROR executing split: => java.lang.IllegalArg
umentException: Cannot merge a segment t
hat has been created with major version 7 into this index which
has been created by major version 8
    at org.apache.lucene.index.IndexWriter.validateMergeRea
der(IndexWriter.java:3044)
java.lang.IllegalArgumentException: Cannot merge a segment that h
as been created with major version 7 into this index which has b
een created by major version 8
    at org.apache.lucene.index.IndexWriter.validateMergeReade
r(IndexWriter.java:3044) ~[lucene-core-8.11.2.7.1.9.3-2.jar:8.11
.2.7.1.9.3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jenkins -
2023-12-02 00:05:23]
    at org.apache.lucene.index.IndexWriter.addIndexes(IndexWr
iter.java:3110) ~[lucene-core-8.11.2.7.1.9.3-2.jar:8.11.2.7.1.9.
3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jenkins - 2023-12
-02 00:05:23]
    at org.apache.solr.update.SolrIndexSplitter.doSplit(So
lrIndexSplitter.java:318) ~[solr-core-8.11.2.7.1.9.3-2.jar:8.11.
2.7.1.9.3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jenkins -
2023-12-02 00:16:28]
    at org.apache.solr.update.SolrIndexSplitter.split(Solr
IndexSplitter.java:184) ~[solr-core-8.11.2.7.1.9.3-2.jar:8.11.2.
```

```

7.1.9.3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jenkins - 2
023-12-02 00:16:28]
    at org.apache.solr.update.DirectUpdateHandler2.split(Dir
ectUpdateHandler2.java:922) ~[solr-core-8.11.2.7.1.9.3-2.jar:8.1
1.2.7.1.9.3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jenkins
- 2023-12-02 00:16:28]
    at org.apache.solr.handler.admin.SplitOp.execute(SplitOp
.java:165) ~[solr-core-8.11.2.7.1.9.3-2.jar:8.11.2.7.1.9.3-2 a6f
f93f9665115dffbdad0ad7f222fd1978d495d - jenkins - 2023-12-02 00:
16:28]
    at org.apache.solr.handler.admin.CoreAdminOperation.execu
te(CoreAdminOperation.java:367) ~[solr-core-8.11.2.7.1.9.3-2.jar
:8.11.2.7.1.9.3-2 a6ff93f9665115dffbdad0ad7f222fd1978d495d - jen
kins - 2023-12-02 00:16:28]

```

This happens because the segment created using a Lucene 7 index cannot be merged into a Lucene 8 index.

Drop the entire collection, delete the data in HDFS and recreate the collection with Solr 8 configs.

Changing the default value of Client Connection Registry HBase configuration parameter causes HBase MRIT job to fail

If the value of the HBase configuration property Client Connection Registry is changed from the default ZooKeeper Quorum to Master Registry then the Yarn job started by HBase MRIT fails with a similar error message:

```

Caused by: org.apache.hadoop.hbase.exceptions.MasterRegistryFetc
hException: Exception making rpc to masters [quasar-bmyccr-2.qua
sar-bmyccr.root.hwx.site,22001,-1]
    at org.apache.hadoop.hbase.client.MasterRegistry.lambda$g
roupCall$1(MasterRegistry.java:244)
    at org.apache.hadoop.hbase.util.FutureUtils.lambda$addLi
stener$0(FutureUtils.java:68)
    at java.util.concurrent.CompletableFuture.uniWhenComple
te(CompletableFuture.java:774)
    at java.util.concurrent.CompletableFuture.uniWhenComple
teStage(CompletableFuture.java:792)
    at java.util.concurrent.CompletableFuture.whenComplete(Co
mpletableFuture.java:2153)
    at org.apache.hadoop.hbase.util.FutureUtils.addListener(F
utureUtils.java:61)
    at org.apache.hadoop.hbase.client.MasterRegistry.groupCa
ll(MasterRegistry.java:228)
    at org.apache.hadoop.hbase.client.MasterRegistry.call(Ma
sterRegistry.java:265)
    at org.apache.hadoop.hbase.client.MasterRegistry.getMetaR
egionLocations(MasterRegistry.java:282)
    at org.apache.hadoop.hbase.client.ConnectionImplementati
on.locateMeta(ConnectionImplementation.java:900)
    at org.apache.hadoop.hbase.client.ConnectionImplementat
ion.locateRegion(ConnectionImplementation.java:867)
    at org.apache.hadoop.hbase.client.ConnectionImplementati
on.relocateRegion(ConnectionImplementation.java:850)
    at org.apache.hadoop.hbase.client.ConnectionImplementat
ion.locateRegionInMeta(ConnectionImplementation.java:981)
    at org.apache.hadoop.hbase.client.ConnectionImplementa
tion.locateRegion(ConnectionImplementation.java:870)
    at org.apache.hadoop.hbase.client.RpcRetryingCallerWith
ReadReplicas.getRegionLocations(RpcRetryingCallerWithReadReplica
s.java:319)
    ... 21 more
Caused by: org.apache.hadoop.hbase.client.RetriesExhaustedExcept
ion: Failed contacting masters after 1 attempts.

```

```

Exceptions:
java.io.IOException: Call to address=quasar-bmyccr-2.quasar-bmyccr.root.hwx.site/172.27.19.4:22001 failed on local exception: java.io.IOException: java.lang.RuntimeException: Found no valid authentication method from options
    at org.apache.hadoop.hbase.client.MasterRegistry.lambda$groupCall$1(MasterRegistry.java:243)
    ... 35 more

```

Add the following line to the MRIT command line:

```
-D 'hbase.client.registry.impl=org.apache.hadoop.hbase.client.ZKConnectionRegistry'
```

Unable to see single valued and multivalued empty string values when querying collections after upgrade to Cloudera

After upgrading from CDH or HDP to Cloudera, you are not able to see single valued and multi Valued empty string values in Cloudera.

This behavior in Cloudera is due to the remove-blank processor present in solrconfig.xml in Solr 8.

Remove the remove-blank processor from solrconfig.xml.

Cannot create multiple heap dump files because of file name error

Heap dump generation fails with a similar error message:

```

java.lang.OutOfMemoryError: Java heap space
Dumping heap to /data/tmp/solr_solr-SOLR_SERVER-fc9dacc265fabfc500b92112712505e3_pid{{PID}}.hprof ...
Unable to create /data/tmp/solr_solr-SOLR_SERVER-fc9dacc265fabfc500b92112712505e3_pid{{PID}}.hprof: File exists

```

The cause of the problem is that {{PID}} does not get substituted during dump file creation with an actual process ID and because of that, a generic file name is generated. This causes the next dump file creation to fail, as the existing file with the same name cannot be overwritten.

You need to manually delete the existing dump file.

Solr coreAdmin status throws Null Pointer Exception

You get a Null Pointer Exception with a similar stacktrace:

```

Caused by: java.lang.NullPointerException
    at org.apache.solr.core.SolrCore.getInstancePath(SolrCore.java:333)
    at org.apache.solr.handler.admin.CoreAdminOperation.getCoreStatus(CoreAdminOperation.java:324)
    at org.apache.solr.handler.admin.StatusOp.execute(StatusOp.java:46)
    at org.apache.solr.handler.admin.CoreAdminOperation.execute(CoreAdminOperation.java:362)

```

This is caused by an error in handling solr admin core STATUS after collections are rebuilt.

Restart the Solr server.

Applications fail because of mixed authentication methods within dependency chain of services

Using different types of authentication methods within a dependency chain, for example, configuring your indexer tool to authenticate using Kerberos and configuring your Solr Server to use LDAP for authentication may cause your application to time out and eventually fail.

Make sure that all services in a dependency chain use the same type of authentication.

API calls fail with error when used with alias, but work with collection name

API calls fail with a similar error message when used with an alias, but they work when made using the collection name:

```
[ ] o.a.h.s.t.d.w.DelegationTokenAuthenticationFilter Authentication exception: User: xyz@something.example.com is not allowed to impersonate xyz@something.example.com
[c:RTOTagMetaOdd s:shard3 r:core_node11 x:RTOTagMetaOdd_shard3_replica_n8] o.a.h.s.t.d.w.DelegationTokenAuthenticationFilter Authentication exception: User: xyz@something.example.com is not allowed to impersonate xyz@something.example.com
```

Make sure there is a replica of the collection on every host.

CrunchIndexerTool does not work out of the box if /tmp is mounted noexec mode

When you try to run CrunchIndexerTool with the /tmp directory mounted in noexec mode, It throws a snappy-related error.

Create a separate directory for snappy temp files which is mounted with EXEC privileges and set this directory as the value of the org.xerial.snappy.tmpdir java property as a driver java option.

For example:

```
export myDriverJarDir=/opt/cloudera/parcels/CDH//lib/solr/contrib/crunch;export myDependencyJarDir=/opt/cloudera/parcels/CDH//lib/search/lib/search-crunch;export myDriverJar=$(find $myDriverJarDir -maxdepth 1 -name 'search-crunch-*.jar' ! -name '*-job.jar' ! -name '*-sources.jar');export myDependencyJarFiles=$(find $myDependencyJarDir -name '*.jar' | sort | tr '\n' ',' | head -c -1);export myDependencyJarPaths=$(find $myDependencyJarDir -name '*.jar' | sort | tr '\n' ':' | head -c -1);export HADOOP_CONF_DIR=;spark-submit --master local --deploy-mode client --driver-library-path /opt/cloudera/parcels/CDH//lib/hadoop/lib/native/ --jars $myDependencyJarFiles --driver-java-options '-Dorg.xerial.snappy.tmpdir=/home/systest/tmp' --class org.apache.solr.crunch.CrunchIndexerTool $myDriverJar --input-file-format=avroParquet --input-file-reader-schema search-parquetfile/parquet-schema.avsc --morphline-file /tmp/mrTestBase.conf --pipeline-type spark --chatty hdfs://[***HOSTNAME***]:8020/tmp/parquetfileparsertest-input
```

Mergeindex operation with --go-live fails after CDH 6 to Cloudera upgrade

During an upgrade from CDH6 to Cloudera, collections are not reindexed because Lucene 8 (Cloudera) can read Lucene 7 (CDH6) indexes.

If you try to execute MapReduceIndexerTool (MRIT) or HBase Indexer MRIT with --go-live against such a collection, you get a similar error message:

```
Caused by: java.lang.IllegalArgumentException: Cannot merge a segment that has been created with major version 8 into this index which has been created by major version 7
    at org.apache.lucene.index.IndexWriter.validateMergeReader(IndexWriter.java:2894)
    at org.apache.lucene.index.IndexWriter.addIndexes(IndexWriter.java:2960)
    at org.apache.solr.update.DirectUpdateHandler2.mergeIndexes(DirectUpdateHandler2.java:570)
    at org.apache.solr.update.processor.RunUpdateProcessor.processMergeIndexes(RunUpdateProcessorFactory.java:95)
    at org.apache.solr.update.processor.UpdateRequestProcessor.processMergeIndexes(UpdateRequestProcessor.java:63)
```

This happens because Cloudera MRIT and HBase indexer use Solr 8 as embedded Solr, which creates a Lucene 8 index. It cannot be merged (using MERGEINDEXES) into an older Lucene 7 index.

In the case of MRIT the only way to move past this issue is to drop the entire collection, delete the data in HDFS and recreate the collection with Solr 8 configs.

For HBase Indexer MRIT an alternative workaround is setting the number of reducers to 0 (--reducers 0) because in this case documents are sent directly from the mapper tasks to live Solr servers instead of using MERGEINDEXES.

Apache Tika upgrade may break morphlines indexing

The upgrade of Apache Tika from 1.27 to 2.3.0 brought potentially breaking changes for morphlines indexing. Duplicate/triplicate keys names were removed and certain parser class names were changed (For example, `org.apache.tika.parser.jpeg.JpegParser` changed to `org.apache.tika.parser.image.JpegParser`).

To avoid morphline commands failing after the upgrade, do the following:

- Check if key name changes affect your morphlines. For more information, see *Removed duplicate/triplicate keys* in [Migrating to Tika 2.0.0](#).
- Check if the name of any parser you use has changed. For more information, see the Apache Tika [API documentation](#).

Update your morphlines if necessary.

CDPD-28006: Solr access via Knox fails with impersonation error though `auth_to_local` and proxy user configs are set

Currently the names of system users which are impersonating users with Solr should match with the names of their respective Kerberos principals.

If, for some reason, this is not feasible, you must add the user name you want to associate with the custom Kerberos principal to Solr configuration via the Solr Service Environment Advanced Configuration Snippet (Safety Valve) environment variable in Cloudera Manager.

For more information, see [Configuring custom Kerberos principals and custom system users](#).

CDH-77598: Indexing fails with `socketTimeout`

Starting from CDH 6.0, the HTTP client library used by Solr has a default socket timeout of 10 minutes. Because of this, if a single request sent from an indexer executor to Solr takes more than 10 minutes to be serviced, the indexing process fails with a timeout error.

This timeout has been raised to 24 hours. Nevertheless, there still may be use cases where even this extended timeout period proves insufficient.

If your `MapreduceIndexerTool` or `HBaseMapreduceIndexerTool` batch indexing jobs fail with a timeout error during the go-live (Live merge, MERGEINDEXES) phase (This means the merge takes longer than 24 hours).

Use the `--go-live-timeout` option where the timeout can be specified in milliseconds.

CDPD-12450: `CrunchIndexerTool` Indexing fails with `socketTimeout`

The http client library uses a socket timeout of 10 minutes. The Spark Crunch Indexer does not override this value, and in case a single batch takes more than 10 minutes, the entire indexing job fails. This can happen especially if the morphlines contain `DeleteByQuery` requests.

Try the following workarounds:

- Check the batch size of your indexing job. Sending too large batches to Solr might increase the time needed on the Solr server to process the incoming batch.
- If your indexing job uses `deleteByQuery` requests, consider using `deleteById` wherever possible as `deleteByQuery` involves a complex locking mechanism on the Solr side which makes processing the requests slower.

- Check the number of executors for your Spark Crunch Indexer job. Too many executors can overload the Solr service. You can configure the number of executors by using the `--mappers` parameter
- Check that your Solr installation is correctly sized to accommodate the indexing load, making sure that the number of Solr servers and the number of shards in your target collection are adequate.
- The socket timeout for the connection can be configured in the morphline file. Add the `solrClientSocketTimeout` parameter to the `solrLocator` command

Example

```
SOLR_LOCATOR :
{
  collection : test_collection
  zkHost : "zookeeper1.example.corp:2181/solr"
  # 10 minutes in milliseconds
  solrClientSocketTimeout: 600000
  # Max number of documents to pass per RPC from morphline to
  Solr Server
  # batchSize : 10000
}
```

CDPD-29289: HBaseMapReduceIndexerTool fails with socketTimeout

The http client library uses a socket timeout of 10 minutes. The HBase Indexer does not override this value, and in case a single batch takes more than 10 minutes, the entire indexing job fails.

You can overwrite the default 600000 millisecond (10 minute) socket timeout in HBase indexer using the `--solr-client-socket-timeout` optional argument for the direct writing mode (when the value of the `--reducers` optional argument is set to 0 and mappers directly send the data to the live Solr).

CDPD-20577: Splitshard operation on HDFS index checks local filesystem and fails

When performing a shard split on an index that is stored on HDFS, `SplitShardCmd` still evaluates free disk space on the local file system of the server where Solr is installed. This may cause the command to fail, perceiving that there is no adequate disk space to perform the shard split.

Run the following command to skip the check for sufficient disk space altogether:

- On nonsecure clusters:

```
curl 'http://$[***SOLR_SERVER_HOSTNAME***]:8983/solr/admin/collections?action=SPLITSHARD&collection=[***COLLECTION_NAME***]&shard=[***SHARD_TO_SPLIT***]&skipFreeSpaceCheck=true'
```

- On secure clusters:

```
curl -k -u : --negotiate 'http://$[***SOLR_SERVER_HOSTNAME***]:8985/solr/admin/collections?action=SPLITSHARD&collection=[***COLLECTION_NAME***]&shard=[***SHARD_TO_SPLIT***]&skipFreeSpaceCheck=true'
```

Replace `[***SOLR_SERVER_HOSTNAME***]` with a valid Solr server hostname, `[***COLLECTION_NAME***]` with the collection name, and `[***SHARD_TO_SPLIT***]` with the ID of the to split.

To verify that the command executed successfully, check overseer logs for a similar entry:

```
2021-02-02 12:43:23.743 INFO (OverseerThreadFactory-9-thread-5-processing-n:myhost.example.com:8983_solr) [c:example s:shard1] o.a.s.c.a.c.SplitShardCmd Skipping check for sufficient disk space
```

CDH-22190: CrunchIndexerTool which includes Spark indexer requires specific input file format specifications

If the `--input-file-format` option is specified with `CrunchIndexerTool`, then its argument must be `text`, `avro`, or `avroParquet`, rather than a fully qualified class name.

None

CDH-26856: Field value class guessing and Automatic schema field addition are not supported with the MapReduceIndexerTool nor with the HBaseMapReduceIndexerTool

The `MapReduceIndexerTool` and the `HBaseMapReduceIndexerTool` can be used with a Managed Schema created via NRT indexing of documents or via the Solr Schema API. However, neither tool supports adding fields automatically to the schema during ingest.

Define the schema before running the `MapReduceIndexerTool` or `HBaseMapReduceIndexerTool`. In non-schemaless mode, define in the schema using the `schema.xml` file. In schemaless mode, either define the schema using the Solr Schema API or index sample documents using NRT indexing before invoking the tools. In either case, Cloudera recommends that you verify that the schema is what you expect, using the `List Fields` API command.

Users with insufficient Solr permissions may encounter a blank Solr Web Admin UI

Users who are not authorized to use the Solr Admin UI are not given a page explaining that access is denied to them, instead they receive a blank Admin UI with no information.

None

CDH-15441: Using MapReduceIndexerTool or HBaseMapReduceIndexerTool multiple times may produce duplicate entries in a collection

Repeatedly running the `MapReduceIndexerTool` on the same set of input files can result in duplicate entries in the Solr collection. This occurs because the tool can only insert documents and cannot update or delete existing Solr documents. This issue does not apply to the `HBaseMapReduceIndexerTool` unless it is run with more than zero reducers.

To avoid this issue, use `HBaseMapReduceIndexerTool` with zero reducers.



Note: This workaround is only valid for `HBaseMapReduceIndexerTool`. There is no workaround for `MapReduceIndexerTool`.

CDH-58694: Deleting collections might fail if hosts are unavailable

It is possible to delete a collection when hosts that host some of the collection are unavailable. After such a deletion, if the previously unavailable hosts are brought back online, the deleted collection may be restored.

Ensure all hosts are online before deleting collections.

CDPD-13923: Every Configset is Untrusted Without Kerberos

Solr 8 introduces the concept of ‘[untrusted configset](#)’, denoting configsets that were uploaded without authentication. Collections created with an untrusted configset will not initialize if `<lib>` directives are used in the configset.

Select one of the following options if you would like to use untrusted configsets with `<lib>` directives:

- If the configset contains external libraries, but you do not want to use them, simply upload the configsets after deleting the `<lib>` directives.
- If the configset contains external libraries, and you want to use them, choose one from the following options:
 - Secure your cluster before reuploading the configset.
 - Add the libraries to Solr’s classpath, then reupload the configset without the `<lib>` directives.

CDPD-71422: Solr went into an unhealthy state after the data lake upgrade

After the Data Lake upgrade to the 7.3.1.0 version, the Solr service becomes unhealthy for the public cloud environments (AWS, Azure, and GCP). This is an intermittent issue.

Manually restart the Solr service in the Data Lake after an upgrade.

Unsupported features

The following Solr features are currently not supported in Cloudera:

- Panel with security info in admin UI's dashboard
- Incremental backup mode
- Schema Designer UI
- Package Management System
- HTTP/2
- Solr SQL/JDBC
- Graph Traversal
- Cross Data Center Replication (CDCR)
- SolrCloud Autoscaling
- HDFS Federation
- Saving search results
- Solr contrib modules

(Spark, MapReduce, and Lily HBase indexers are not contrib modules but part of Cloudera's distribution of Solr itself, therefore they are supported)

Limitations

Enabling blockcache writing may result in unusable indexes

It is possible to create indexes with `solr.hdfs.blockcache.write.enabled` set to true. Such indexes may appear corrupt to readers, and reading these indexes may irrecoverably corrupt them. Because of this, blockcache writing is disabled by default.

Default Solr core names cannot be changed

Although it is technically possible to give user-defined Solr core names during core creation, it is to be avoided in the context of Cloudera's distribution of Apache Solr. Cloudera Manager expects core names in the default "collection_shardX_replicaY" format. Altering core names results in Cloudera Manager being unable to fetch Solr metrics for the given core and this may corrupt data collection for co-located core, or even shard, and server level charts.

Lucene index handling limitation

The Lucene index can only be upgraded by one major version. Solr 8 will not open an index that was created with Solr 6 or earlier. Because of this, you need to reindex collections that were created with Solr 6 or earlier.

Known Issues in Apache Spark

Learn about the known issues in Apache Spark, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF1

The following section lists the known issues identified in this release:

CDPD-80239: Non-deterministic SQL expressions should set indeterminate map stage output level

7.3.1, 7.3.1.100 CHF1, 7.3.1.200 SP1, 7.3.1.300 SP1 CHF1, 7.3.1.400 SP2

Spark is supposed to handle non-deterministic keys, as long as they are marked with `deterministic=false` in their data type attributes. For Spark's random data this contract is not honored when there is a task failure. As a result, duplicate or missing data can be produced when the Spark executors are relaunched in new node managers.

Use the client configuration `spark.global.deterministic` to override any input-level deterministic configuration. If set to true, all inputs are deterministic, if set to false all inputs are indeterministic.

Known Issues identified in Cloudera Runtime 7.3.1

The following section lists the known issues identified in this release:

Spark 3: RAPIDS Accelerator is not available

7.3.1, 7.3.1.100 CHF1, 7.3.1.200 SP1, 7.3.1.300 SP1 CHF1, 7.3.1.400 SP2

The RAPIDS Accelerator for Apache Spark is currently not available in Cloudera Runtime 7.3.1

None.

The CHAR(n) type handled inconsistently, depending on whether the table is partitioned or not.

7.3.1

7.3.1.100 CHF1

In upstream Spark 3 the `spark.sql.legacy.charVarcharAsString` configuration was introduced, but it does not solve all incompatibilities with Spark 2.

None. A new configuration `spark.cloudera.legacy.charVarcharLegacyPadding` will be introduced in a future version to keep compatibility with Spark 2, but it isn't available in 7.3.1.



Note: The CHAR type is legacy in SQL, and using it is discouraged. Cloudera recommends using VARCHAR or STRING instead.

Apache Jira: [SPARK-33480](#)

Known Issues in Spark Atlas Connector

Learn about the known issues in Spark Atlas Connector, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1

There are no new known issues identified in this release.

Known Issues in Apache Sqoop

Learn about the known issues in Apache Sqoop, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2:

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.300 SP1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1

CDPD-44431: Using direct mode causes problems

Using direct mode has several drawbacks:

- Imports can cause an intermittent and overlapping input split.
- Imports can generate duplicate data.
- Many problems, such as intermittent failures, can occur.
- Additional configuration is required.

Stop using direct mode. Do not use the `--direct` option in Sqoop import or export commands.

Sqoop direct mode is disabled by default. However, if you still want to use it, enable it by either setting the `sqoop.enable.deprecated.direct` property globally in Cloudera Manager for Sqoop or by specifying it in the command-line through `-Dsqoop.enable.deprecated.direct=true`.

CDPD-3089: Avro, S3, and HCat do not work together properly

Importing an Avro file into S3 with HCat fails with Delegation Token not available.

Parquet columns inadvertently renamed

Problem: Column names that start with a number are renamed when you use the `--as-parquetfile` option to import data.

Prepend column names in Parquet tables with one or more letters or underscore characters.

Importing Parquet files might cause out-of-memory (OOM) errors

Problem: Importing multiple megabytes per row before initial-page-run check (ColumnWriter) can cause OOM. Also, rows that vary significantly by size so that the next-page-size check is based on small rows, and is set very high, followed by many large rows can also cause OOM.

PARQUET-99

Known issues in Streams Messaging Manager

Learn about the known issues in Streams Messaging Manager, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

OPSAPS-59597: Streams Messaging Manager UI logs are not supported by Cloudera Manager

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Cloudera Manager does not display a Log Files menu for Streams Messaging Manager UI role (and Streams Messaging Manager UI logs cannot be displayed in the Cloudera Manager UI) because the logging type used by Streams Messaging Manager UI is not supported by Cloudera Manager.

View the Streams Messaging Manager UI logs on the host.

CDPD-39313: Some numbers are not rendered properly in Streams Messaging Manager UI

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Very large numbers can be imprecisely represented on the UI. For example, bytes larger than 8 petabytes would lose precision.

None.

OPSAPS-59553: Streams Messaging Manager bootstrap server config should be updated based on Kafka's listeners

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Streams Messaging Manager does not show any metrics for Kafka or Kafka Connect when multiple listeners are set in Kafka.

Streams Messaging Manager cannot identify multiple listeners and still points to bootstrap server using the default broker port (9093 for SASL_SSL). You need to override bootstrap server URL (hostname:port as set in the listeners for broker). Add the bootstrap server details in Streams Messaging Manager safety valve in the following path:

1. In Cloudera Manager, go to SMMConfigurationStreams Messaging Manager Rest Admin Server Advanced Configuration Snippet (Safety Valve) for streams-messaging-manager.yaml.
2. Add the following value for bootstrap servers.

```
streams.messaging.manager.kafka.bootstrap.servers=<comma-separated list of brokers>
```

3. Save your changes.
4. Restart Streams Messaging Manager.

CDPD-78694: Streams Messaging Manager UI cannot show replication details

7.3.1

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

The Kafka cluster replication details view is not available on the Cluster Replications page because the UI does not pass the required duration URL parameter when calling the Streams Messaging Manager REST Admin server.

You can query replication details by manually calling the Streams Messaging Manager REST Admin server with the required duration URL parameter.

```
api/v2/admin/replication-stats?duration=LAST_ONE_HOUR
```

CDPD-82560: Streams Messaging Manager known unprotected endpoint

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

The Streams Messaging Manager Frontend exposes the /cm-configs and /configs public endpoints without requiring authentication. These endpoints do not share any sensitive information.

None.

CDPD-88488: The Streams Messaging Manager server fails to start if its keystore password starts with a special character or includes quotation marks

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Ensure that the Streams Messaging Manager server keystore password meets the following requirements:

- It does not start with a special character. Special characters are permitted in other positions.
- It does not contain quotation marks (single or double) anywhere.

CDPD-76375: Topic column name is incorrect in the replications table

7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

On the **Cluster Replications** page, in the replications table, the topic column name is incorrectly named **Source Topic Name** instead of Target Topic Name. This means that the **Source Topic Name** column currently shows the topic name on the target cluster, instead of the topic name on the source cluster.

Limitations**CDPD-36422: 1MB flow.snapshot freezes Safari**

While importing large connector configurations, flow.snapshots reduces the usability of the Streams Messaging Manager when using Safari browser.

Use a different browser (Chrome/Firefox/Edge).

Known Issues in Streams Replication Manager

Learn about the known issues in Streams Replication Manager, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

CDPD-22089: Streams Replication Manager does not sync re-created source topics until the offsets have caught up with target topic

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

Messages written to topics that were deleted and re-created are not replicated until the source topic reaches the same offset as the target topic. For example, if at the time of deletion and re-creation there are a 100 messages on the source and target clusters, new messages will only get replicated once the re-created source topic has 100 messages. This leads to messages being lost.

None

CDPD-11079: Blacklisted topics appear in the list of replicated topics

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If a topic was originally replicated but was later disallowed (blacklisted), it will still appear as a replicated topic under the /remote-topics REST API endpoint. As a result, if a call is made to this endpoint, the disallowed topic will be included in the response. Additionally, the disallowed topic will also be visible in the Streams Messaging Manager UI. However, its Partitions and Consumer Groups will be 0, its Throughput, Replication Latency and Checkpoint Latency will show N/A.

None

CDPD-30275: Streams Replication Manager may automatically re-create deleted topics on target clusters

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

If `auto.create.topics.enable` is enabled, deleted topics might get automatically re-created on target clusters. This is a timing issue. It only occurs if remote topics are deleted while the replication of the topic is still ongoing.

1. Remove the topic from the topic allowlist with `srm-control`. For example:

```
srm-control topics --source [SOURCE_CLUSTER] --target [TARGET_CLUSTER] --remove [TOPIC1]
```

2. Wait until Streams Replication Manager is no longer replicating the topic.
3. Delete the remote topic in the target cluster.

CDPD-80872: Streams Replication Manager replication-records-lag is incorrect on empty partitions with non-zero end offset

7.2.17, 7.2.18, 7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400, 7.3.1.500

When a replicated partition is empty and its end offset is non-zero, the `replication-records-lag` metric is incorrectly reported as the end offset (instead of 0 or NaN).

Wait for a new message to be written into the partition. When it gets replicated, the metric is reported correctly.

Limitations

Streams Replication Manager cannot replicate Ranger authorization policies to or from Kafka clusters

Due to a limitation in the Kafka-Ranger plugin, Streams Replication Manager cannot replicate Ranger policies to or from clusters that are configured to use Ranger for authorization. If you are using Streams Replication Manager to replicate data to or from a cluster that uses Ranger, disable

authorization policy synchronization in Streams Replication Manager. This can be achieved by clearing the Sync Topic Acls Enabled (sync.topic.acls.enabled) checkbox.

Streams Replication Manager cannot ensure the exactly-once semantics of transactional source topics

Streams Replication Manager data replication uses at-least-once guarantees, and as a result cannot ensure the exactly-once semantics (EOS) of transactional topics in the backup/target cluster.



Note: Even though EOS is not guaranteed, you can still replicate the data of a transactional source, but you must set isolation.level to read_committed for Streams Replication Manager internal consumers. This can be done by adding `[***SOURCE CLUSTER ALIAS***]->[***TARGET CLUSTER ALIAS***].consumer.isolation.level=read_committed` to the Streams Replication Manager's Replication Configs service property in Cloudera Manager. The isolation.level property can be set on a global connector or replication level. For example:

```
#Global connector level
connectors.consumer.isolation.level=read_committed
#Replication level
uswest->useast.consumer.isolation.level=read_committed
```

Streams Replication Manager checkpointing is not supported for transactional source topics

Streams Replication Manager does not correctly translate checkpoints (committed consumer group offsets) for transactional topics. Checkpointing assumes that the offset mapping function is always increasing, but with transactional source topics this is violated. Transactional topics have control messages in them, which take up an offset in the log, but they are never returned on the consumer API. This causes the mappings to decrease, causing issues in the checkpointing feature. As a result of this limitation, failover operations for transactional topics is not possible.

Known Issues in Yarn and Yarn Queue Manager

Learn about the known issues in Yarn and Yarn Queue Manager, the impact or changes to the functionality, and the workaround.

Known Issues identified in Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Known Issues identified in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Known Issues in Cloudera Runtime 7.3.1.200 SP1

The following section lists the known issues identified in this release:

COMPX-14682: Fix health check after Queue Manager restart

7.3.1, 7.3.1.100, 7.3.1.200, 7.3.1.300, 7.3.1.400

In some cases, after the QM webapp and config-service are restarted Cloudera Manager reports a healthy status after some time. However, the configuration service might not be ready and usable yet when this status is reported. Therefore, QM (webapp) is not ready and usable yet.

Wait for a minute or two after restart and then try QM.

Known Issues identified in Cloudera Runtime 7.3.1.100 CHF 1

There are no new known issues identified in this release.

Known Issues

A fresh install of 7.2.18 of YARN Queue Manager does not allow user to bypass the Setup Database screen for YARN Queue Manager

YARN Queue Manager in Cloudera Base on premises 7.2.18 does not require you to install a PostGres database, therefore users should not see the Setup Database screen and should be able to skip the Setup Database screen. With this known issue, users who are conducting a fresh install of 7.2.18 are not able to bypass the Setup Database screen as expected.

1. When conducting a fresh install of YARN Queue Manager in 7.2.18, you must ensure that you have both Cloudera and Cloudera Manager upgraded to 7.2.18.
2. When you reach the Setup Database screen in the Cloudera Manager installation wizard for Queue Manager, enter any dummy values for the following fields:
 - a. Database name: configstore
 - b. Database Username: dbuser
 - c. Database Password: dbpassword

YARN Queue Manager will not connect to PostGres with the above details and will fall back to the embedded database.

3. Run the following script command in a browser console to enable the Continue button:

```
document.querySelector('.btn.next').removeAttribute('disabled');
```

4. Click Continue and proceed with the YARN Queue Manager installation.
5. After installation is complete, SSH into the host that has Queue Manager installed, and run this command: `sed -i 's/migrationCompleted=true/migrationCompleted=false/' /var/lib/hadoop-yarn/migration.properties`



Note: Enable Queue Manager in the YARN configurations, and restart YARN.

6. Restart YARN Queue Manager.

CDPD-46685 Nodemanager logs are filled with logs similar to: 2022-11-28 03:42:39,587 WARN org.apache.hadoop.ipc.Client: Address change detected. Old: deh-34631355-niv-master1.e2e-797.dze1-y40r.int.cldr.work/10.114.128.84:8031 New: deh-34631355-niv-master1.e2e-797.dze1-y40r.int.cldr.work/10.114.128.63:8031 2022-11-28 03:43:01,425 WARN org.apache.hadoop.ipc.Client: Address change detected. Old: deh-34631355-niv-master0.e2e-797.dze1-y40r.int.cldr.work/10.114.128.79:8031 New: deh-34631355-niv-master0.e2e-797.dze1-y40r.int.cldr.work/10.114.128.65:8031.

Restart all YARN NodeManagers, they should come up without issues and Cloudera Manager must recognize them as healthy nodes once the status of them is refreshed upon restart.

YARN cannot start if Kerberos principal name is changed

If the Kerberos principal name is changed in Cloudera Manager after launch, YARN will not be able to start. In such case the keytabs can be correctly generated but YARN cannot access ZooKeeper with the new Kerberos principal name and old ACLs.

There are two possible workarounds:

- Delete the znode and restart the YARN service.
- Use the reset ZK ACLs command. This also sets the znodes below /rmstore/ZKRMStateRoot to world:anyone:cdrwa which is less secure.

Third party applications do not launch if MapReduce framework path is not included in the client configuration

MapReduce application framework is loaded from HDFS instead of being present on the NodeManagers. By default the `mapreduce.application.framework.path` property is set to the appropriate value, but third party applications with their own configurations will not launch.

Set the `mapreduce.application.framework.path` property to the appropriate configuration for third party applications.

JobHistory URL mismatch after server relocation

After moving the JobHistory Server to a new host, the URLs listed for the JobHistory Server on the ResourceManager web UI still point to the old JobHistory Server. This affects existing jobs only. New jobs started after the move are not affected.

For any existing jobs that have the incorrect JobHistory Server URL, there is no option other than to allow the jobs to roll off the history over time. For new jobs, make sure that all clients have the updated `mapred-site.xml` that references the correct JobHistory Server.

CDH-6808: Routable IP address required by ResourceManager

ResourceManager requires routable host:port addresses for `yarn.resourcemanager.scheduler.address`, and does not support using the wildcard `0.0.0.0` address.

Set the address, in the form `host:port`, either in the client-side configuration, or on the command line when you submit the job.

CDH-49165: History link in ResourceManager web UI broken for killed Spark applications

When a Spark application is killed, the history link in the ResourceManager web UI does not work.

To view the history for a killed Spark application, see the Spark HistoryServer web UI instead.

COMPX-3329: Autorestart is not enabled for Queue Manager in Data Hub

In a Data Hub cluster, Queue Manager is installed with autorestart disabled. Hence, if Queue Manager goes down, it will not restart automatically.

If Queue Manager goes down in a Data Hub cluster, you must go to the Cloudera Manager Dashboard and restart the Queue Manager service.

COMPX-5817: Queue Manager UI will not be able to present a view of pre-upgrade queue structure. Cloudera Manager Store is not supported and therefore Yarn will not have any of the pre-upgrade queue structure preserved.

When a Data Hub cluster is deleted, all saved configurations are also deleted. All YARN configurations are saved in Cloudera Manager Store and this is yet to be supported in Data Hub and Cloudera Manager. Hence, the YARN queue structure also will be lost when a Data Hub cluster is deleted or upgraded or restored.

CDPD-67150: During the restore procedure it could happen that a node becomes unhealthy as the default YARN Capacity Scheduler configuration is loaded onto the node during the restart.

Perform an extra restart on the Resource Manager role that has the incorrect configuration to restore the correct configuration.

CDPD-75652: Reverse DNS lookup fails for YARN but works for HDFS

Submitting a YARN application from a host without proper DNS setup (reverse DNS does not work for the YARN ResourceManager's host) results in the Server has invalid Kerberos principal error.

Add the following to YARN Service Advanced Configuration Snippet (Safety Valve) for the `yarn-site.xml` file:

```
<property>
<name>yarn.resourcemanager.principal.pattern</name>
<value>*</value>
</property>
```

YARN Resource Manager UI does not display logs

When the parameter `mapreduce.cluster.acl.enabled` is set to true, the Yarn RM UI does display and logs and the Logs are not available message is displayed.

Set `mapreduce.cluster.acl.enabled` to false.

Unsupported Features

The following YARN features are currently not supported in Cloudera:

- Application Timeline Server (ATSV2 and ATSV1)
- Container Resizing
- Distributed or Centralized Allocation of Opportunistic Containers
- Distributed Scheduling
- Docker on YARN (DockerContainerExecutor)
- Fair Scheduler
- GPU support for Docker
- Hadoop Pipes
- Native Services
- Pluggable Scheduler Configuration
- Queue Priority Support
- Reservation REST APIs
- Resource Estimator Service
- Resource Profiles
- (non-Zookeeper) ResourceManager State Store
- Rolling Log Aggregation
- Shared Cache
- YARN Federation
- Moving jobs between queues

Known Issues in Apache ZooKeeper

Learn about the known issues in ZooKeeper, the impact or changes to the functionality, and the workaround.

Cloudera Runtime 7.3.1.400 SP2

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1.200CHF 1

There are no new known issues identified in this release.

Cloudera Runtime 7.3.1

Zookeeper-client does not use ZooKeeper TLS/SSL automatically

The command-line tool ‘zookeeper-client’ is installed to all Cloudera Nodes and it can be used to start the default Java command line ZooKeeper client. However even when ZooKeeper TLS/SSL is enabled, the zookeeper-client command connects to localhost:2181, without using TLS/SSL.

Workaround:

Manually configure the 2182 port, when zookeeper-client connects to a ZooKeeper cluster. The following is an example of connecting to a specific three-node ZooKeeper cluster using TLS/SSL:

```
CLIENT_JVMFLAGS="-Dzookeeper.clientCnxnSocket=org.apache.zoo
keeper.ClientCnxnSocketNetty -Dzookeeper.ssl.keyStore.locati
on=<PATH TO YOUR CONFIGURED KEYSTORE> -Dzookeeper.ssl.keyStor
e.password=<THE PASSWORD YOU CONFIGURED FOR THE KEYSTORE> -
Dzookeeper.ssl.trustStore.location=<PATH TO YOUR CONFIGURED
TRUSTSTORE> -Dzookeeper.ssl.trustStore.password=<THE PASSWORD
YOU CONFIGURED FOR THE TRUSTSTORE> -Dzookeeper.client.secu
re=true" zookeeper-client -server <YOUR.ZOOKEEPER.SERVER-1>:218
2,<YOUR.ZOOKEEPER.SERVER-2>:2182,<YOUR.ZOOKEEPER.SERVER-3>:2182
```

Behavioral Changes In Cloudera Runtime 7.3.1

Behavioral changes denote a marked change in behavior from the previously released version to this version of Cloudera Runtime.

Behavioral Changes in Atlas

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Atlas.

Cloudera Runtime 7.3.1.400 SP2

Summary:

A new option to ignore spark_process.attributes, details and sparkPlanDescription is introduced.

Previous behavior:

The spark_process entity attributes details and sparkPlanDescription are populated with query plan details, which can contain a large amount of text, often in megabytes. This amount of data can incur unnecessary processing costs.

New behavior:

The attribute atlas.notification.consumer.preprocess.spark_process.attributes is set to false by default. Set it to true to avoid populating the details and sparkPlanDescription attributes. These attributes can be ignored using above configurations in Atlas server. Ignoring these attributes helps to eliminate the cost of having large amount of data processed in Atlas.

Summary:

A new option to avoid sending details and sparkPlanDescription in the Spark process entity is introduced.

Previous behavior:

The spark_process entity attributes details and sparkPlanDescription are populated with query plan details, which can contain a large amount of text, often in megabytes. This amount of data can incur unnecessary processing costs.

New behavior:

The atlas.spark.plan.enabled is set to true by default. Set it to false to send the details and sparkPlanDescription attributes in the Spark process entity. When these attributes are not sent, the cost of having large amount of data processed in Atlas is avoided.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Cloudera Runtime 7.3.1**Summary:**

The Exclude SubTypes and Exclude Sub-classifications filters were removed from the **Table** tab of entity details.

Previous behavior:

Previously, the Exclude SubTypes and Exclude Sub-classifications filters were available from the **Table** tab in entity details. There were no properties being passed to these filters when you visited the entity details of the page.

New behavior:

The two unused filter checkboxes Exclude SubTypes and Exclude Sub-classifications from the **Table** tab of entity detail page were removed.

Summary:

Special character validation was added to glossary, term and category names in Apache Atlas.

Previous behavior:

The special characters ('@', '.', '<', '>') could be used in glossary, term and category name fields.

New behavior:

The special characters ('@', '.', '<', '>') are no longer accepted in glossary, term and category name fields by the validation introduced. Avoid using these characters when creating glossary names, glossary terms and category names.

Behavioral Changes in Apache Avro

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Avro.

Cloudera Runtime 7.3.1.400 SP2

There are no this release.

Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no this release.

Cloudera Runtime 7.3.1.200 SP1

There are no this release.

Cloudera Runtime 7.3.1.100 CHF 1

There are no this release.

Cloudera Runtime 7.3.1

There are no this release.

Behavioral Changes in Cloud Connectors

Behavioral changes denote a marked change in behavior from the previously released version to this version of Cloud Connectors.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Cruise Control

Behavioral changes denote a marked change in behavior from the previously released version to this version of Cruise Control.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in HBase

Behavioral changes denote a marked change in behavior from the previously released version to this version of HBase.

Behavioral Changes in Cloudera Runtime 7.3.1.500 SP3

Add security headers to Thrift/HTTP server

Summary:

Added security headers to the Thrift or HTTP server.

Previous behavior:

Previously, security headers were absent in the responses of Thrift or HTTP servers when utilizing HBase-exposed services.

New behavior:

To address this, additional security headers are introduced in the responses of the HBase Thrift server when HTTP or HTTPS transport is enabled.

Apache JIRA: [HBASE-27118](#)

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in HDFS

Behavioral changes denote a marked change in behavior from the previously released version to this version of HDFS.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Hive

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Hive.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

Summary:

Change in the way compaction initiator and cleaner threads are handled

Previous behavior:

The compaction initiator and cleaner threads are enabled and disabled by setting the `hive.compact.or.initiator.on` property to 'true' or 'false'.

Apache Jira

A new property `hive.compactor.cleaner.on` is introduced that allows you to selectively enable or disable the cleaner thread.

This property is not listed and is set to 'false' by default. Add the property to Hive Metastore Server Advanced Configuration Snippet (Safety Valve) for `hive-site.xml` in Cloudera Manager to have the same out-of-the-box experience as in the previous version.

Also, ensure that you set the property to 'true' for the compactor to run on the HMS instance.

Behavioral Changes in Impala

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Impala.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

Summary:

Impala Query Analysis Behavior with Ranger.

Previous behavior:

Impala previously verified WRITE access for the service user on HDFS table/partition(s) during query analysis of INSERT and LOAD DATA statements in legacy catalog mode. Permissions were computed based on HDFS settings, including ACLs, when tables and partitions were instantiated.

New behavior:

To address performance concerns, HDFS permissions are now skipped during query analysis. The service user is assumed to have READ_WRITE access to all HDFS paths associated with the target table when Ranger is enabled. Ranger policies remain enforced during query execution for INSERT and LOAD DATA statements, ensuring security compliance.

Apache Jira: [IMPALA-11871](#)

Summary:

Expression rewrite behavior for Hive views with auto-generated column aliases.

Previous behavior:

Impala attempted to simplify CAST expressions for all columns, including those with Hive auto-generated aliases (such as _c0), introduced by the SimplifyCastExprRule optimization in IMPALA-10836. In views created in Hive without explicit column aliases, this could lead to AnalysisException errors during query execution. For example, a view using CAST on a column labeled as _c0 might fail with:

```
AnalysisException: Could not resolve column/field reference:
    'failing_view._c0'
```

New behavior:

Impala now skips rewriting expressions that are associated with Hive auto-generated column aliases (for example, _c0, _c1, etc.). This preserves the correct column mapping across nested views and avoids errors during query analysis. This change allows queries to succeed without requiring you to explicitly rename columns in Hive views.

Apache Jira: [IMPALA-11871](#)

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

Summary:

Impala now unregisters timed-out queries promptly to free memory, retaining error messages for clients that return later.

Previous behavior:

Timed-out queries remained registered until the session closed, keeping memory occupied and sometimes leaving failed queries in an active state if not explicitly closed.

New behavior:

Timed-out queries are unregistered immediately to free memory, while error messages are kept in a new structure so clients can still receive an error message if they return later.

Apache Jira: [IMPALA-12602](#)

Behavioral Changes in Hue

Behavioral changes denote a marked change in behavior from the previously released version to this version of Hue.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2:

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Iceberg

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Iceberg.

Behavioral Changes in Cloudera Runtime 7.3.1.500 SP3

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Iceberg REST Catalog

Behavioral changes denote a marked change in behavior from the previously released version to this version of Iceberg REST Catalog.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Kafka

Behavioral changes denote a marked change in behavior from the previously released version to this version of Kafka.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Knox

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Knox.

Behavioral Changes in Cloudera Runtime 7.3.1.500 SP3

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

Knox token impersonation config

Summary

Knox token service has been changed to use the identity assertion provider configuration for impersonation.

Previous behavior

The token service had its own impersonation configuration.

New behavior

The token service relies on the identity assertion provider for impersonation configuration.

PEM file name change

Summary

The name of the pem file generated through `knoxcli.sh` has been changed.

Previous behavior

The name of the file was `gateway-identity.pem`.

New behavior

The name of the file is now `gateway-client-trust.pem`.

Composite authorization provider misconfiguration

Summary

Composite authorization provider misconfiguration behavior

Previous behavior

1. If `composite.provider.names` is empty, the topology would fail deployment.
2. If `composite.provider.names` has an invalid value, the topology would fail deployment.

New behavior

1. Deployment succeeds, and Knox allows access with no authorization since none is configured.
2. Deployment succeeds, but Knox rejects requests with a HTTP 403 response because the configuration is present (indicating that authorization is expected) but invalid.

Inactive topologies

Summary

Knox distinguishes inactive topologies from undeployed topologies.

Previous behavior

Requests for topologies which are not yet fully deployed result in HTTP 404 responses.

New behavior

Requests for topologies which are not yet fully deployed result in HTTP 503 responses.

Behavioral Changes in Kudu

Behavioral changes denote a marked change in behavior from the previously released version to this version of Kudu.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2:

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Livy

Behavioral changes denote a marked change in behavior from the previously released version to this version of Livy.

Behavioral changes in Livy in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral changes in Livy in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no behavioral changes in this release.

Behavioral changes in Livy in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral changes in Livy in Cloudera Runtime 7.3.1.100 CHF1

There are no behavioral changes in this release.

Behavioral changes in Livy in Cloudera Runtime 7.3.1**Summary:**

The Livy proxy user is taken from Livy for Spark 3's configuration.

Previous behavior:

The custom Kerberos principal configuration was updated via the Livy service.

New behavior:

The Livy proxy user is taken from Livy for Spark 3's configuration, as the Livy service has been replaced with Livy for Spark3 in Cloudera on cloud version 7.3.1.

Behavioral Changes in Oozie

Behavioral changes denote a marked change in behavior from the previously released version to this version of Oozie.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Apache Parquet

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Parquet.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Phoenix

Behavioral changes denote a marked change in behavior from the previously released version to this version of Phoenix.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Ranger

Behavioral changes denote a marked change in behavior from the previously released version to this version of Apache Ranger.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

Summary: Hive authorization from Ranger for Alter Table Rename command does not require CREATE database permission on the database where the renamed table will be created.

Previous behavior:

In releases earlier than 7.3.1.100, whenever Alter Table Rename command was used across databases in Hive, authorization from Ranger required CREATE database permission for the user on the target database in which the renamed table was created.

New behavior:

In 7.3.1 CHF1 and later releases, whenever Alter Table Rename command is used across databases in Hive, authorization from Ranger does not check for CREATE database permission for the user on the target database in which the renamed table will be created.

Behavioral Changes in Cloudera Runtime 7.3.1

Summary: Ranger access audit behavior changes.

Previous behavior:

When you ran `hdfs dfs -copyFromLocal` command, audit logs were generated for the following:

- "write" Access Type and "write" permission.
- "rename" Access Type and "write" permission.
- "rename" Access Type and "write" permission.

When you ran `hdfs dfs -touch` command, audit log was generated for the following:

- "write" Access Type and "write" permission.

New behavior:

When you run `hdfs dfs -copyFromLocal` command, audit logs are generated for the following:

- "create" Access Type and "write" permission.
- "rename" Access Type and "write" permission.

When you run `hdfs dfs -touch` command, audit log is generated for the following:

- "create" Access Type and "write" permission.

Behavioral Changes in Schema Registry

Behavioral changes denote a marked change in behavior from the previously released version to this version of Schema Registry.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Solr

Behavioral changes denote a marked change in behavior from the previously released version to this version of Solr.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

Summary:

The default value of the `hbaseindexer.httpserver.disabled` environment parameter changed from false to true.

Previous behavior:

You needed to change the value of the `hbaseindexer.httpserver.disabled` environment parameter to true to switch off the REST interface. This was necessary to prevent use of the `--http` argument when using the `hbase-indexer` command line tool. Using the `--http` argument for the `hbase-indexer` command line tool to invoke Lily indexer through REST API allowed adding/listing/removing indexers with any user without the need for authentication.

New behavior:

The HBase Lily indexer REST API is switched off by default.

Behavioral Changes in Sqoop

Behavioral changes denote a marked change in behavior from the previously released version to this version of Sqoop.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2:

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Streams Messaging Manager

Behavioral changes denote a marked change in behavior from the previously released version to this version of Streams Messaging Manager.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Streams Replication Manager

Behavioral changes denote a marked change in behavior from the previously released version to this version of Streams Replication Manager.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Behavioral Changes in Spark

Behavioral changes denote a marked change in behavior from the previously released version to this version of Spark.

Behavioral changes in Spark in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral changes in Spark in Cloudera Runtime 7.3.1.300 SP1 CHF1

There are no behavioral changes in this release.

Behavioral changes in Spark in Cloudera Runtime 7.3.1.200 SP1

Summary:

Rebase Spark3 to Apache Spark 3.5.4 in Cloudera Runtime.

Previous behavior:

Spark 3.4.1 was the default version in Cloudera Runtime.

New behavior:

Spark 3.5.4 is the default Spark version in Cloudera Runtime.



Important: Refer to [Migrating Spark applications](#) for more information on migrating your existing Spark applications.

Behavioral changes in Spark in Cloudera Runtime 7.3.1.100 CHF1

There are no behavioral changes in this release.

Behavioral changes in Spark in Cloudera Runtime 7.3.1

Summary:

Spark 2 has been removed from Cloudera Runtime.

Previous behavior:

Spark 2 was the default version in Cloudera Runtime, Spark 3 was available as an add-on parcel.

New behavior:

Spark 3 is the default Spark version in Cloudera Runtime. Spark 2 has been removed and no longer available in 7.3.1.0.



Important:

Spark 3 contains a large number of changes from Spark 2.

Refer to [Upgrading Spark](#) for more information on upgrading Spark clusters to 7.3.1.0, and [Migrating Spark applications](#) for more information on migrating your existing Spark applications between versions 2 and 3.

Related Information

[Upgrading Spark](#)

[Migrating Spark Applications](#)

Behavioral Changes in Spark Atlas Connector

Behavioral changes denote a marked change in behavior from the previously released version to this version of Spark Atlas Connector.

Behavioral changes in Cloudera Runtime 7.3.1.400 SP2

Summary: Spark plan is optional in Spark process entity sent to Atlas

Previous behavior:

Atlas would experience an Out-of-Memory error during processing if the spark_process entity's details and sparkPlanDescription fields contained too large strings.

New behavior:

A new Cloudera Manager property atlas.spark.plan.enabled was added to enable users to enable or disable the details and sparkPlanDescription field. (Default value: true.)

When set to true (default), the fields can be used as before. When set to false, it reduces memory usage, but removes the fields from the Atlas UI.

Behavioral changes in Cloudera Runtime 7.3.1

There are no behavioral changes in Spark Atlas Connector in this release.

Behavioral Changes in Yarn and Yarn Queue Manager

Behavioral changes denote a marked change in behavior from the previously released version to this version of Yarn and Yarn Queue Manager.

Behavioral Changes in Cloudera Runtime 7.3.1.400 SP2

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.300 SP1 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.200 SP1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1.100 CHF 1

There are no behavioral changes in this release.

Behavioral Changes in Cloudera Runtime 7.3.1

There are no behavioral changes in this release.

Deprecation Notices In Cloudera Runtime 7.3.1

Components and features that will be deprecated or removed in this release or a future release.

Terminology

Items in this section are designated as follows:

Deprecated

Technology that Cloudera is removing in a future Cloudera release. Marking an item as deprecated gives you time to plan for removal in a future Cloudera release.

Moving

Technology that Cloudera is moving from a future Cloudera release and is making available through an alternative Cloudera offering or subscription. Marking an item as moving gives you time to plan for removal in a future Cloudera release and plan for the alternative Cloudera offering or subscription for the technology.

Removed

Technology that Cloudera has removed from Cloudera and is no longer available or supported as of this release. Take note of technology marked as removed since it can potentially affect your upgrade plans.

Removed Components and Product Capabilities

- Apache Spark 2

Spark 3 is the default Spark version in Cloudera Runtime. Spark 2 (and Livy 2) has been removed and no longer available in 7.3.1



Important:

Spark 3 contains a large number of changes from Spark 2.

Refer to *Upgrading Spark* for more information on upgrading Spark clusters to 7.3.1.0, and *Migrating Spark Applications* for more information on migrating your existing Spark applications between versions 2 and 3.

- Apache Livy 2 (see [Deprecation Notices for Apache Livy](#))
- Apache Zeppelin (see [Deprecation Notices for Apache Zeppelin](#))

Please contact Cloudera Support or your Cloudera Account Team if you have any questions.

Related Information

[Upgrading Spark](#)

[Migrating Spark Applications](#)

Platform and OS

The listed Operating Systems, databases, and instant client library are deprecated or removed from the 7.3.1 release.

Database Support:

The listed databases are deprecated from the 7.3.1 release:

- None

The following database is removed and no longer supported from the 7.3.1 release:

- PostgreSQL 11

Operating System

The listed operating systems are deprecated from the 7.3.1 release:

- None

The following operating system is removed and no longer supported from the 7.3.1 release:

- RHEL 8.6
- RHEL 7.9
- RHEL 7.9 (FIPS)
- CentOS 7.9
- SLES 12 SP5
- CentOS



Note: CentOS Linux 7 has reached end of life. Ensure to migrate to RHEL/Oracle Linux or any supported operating system before upgrading to 7.3.1.

Deprecation Notices for Apache Kafka

Certain features and functionality in Apache Kafka are deprecated or removed in Cloudera Runtime 7.3.1. You must review these changes along with the information about the features in Kafka that will be removed or deprecated in a future release.



Important: The following list of deprecated and removed items is not exhaustive and only contains items that have a direct and immediate effect on Kafka in Cloudera. For a full list of deprecation and/or removals in the version Apache Kafka shipped with Cloudera Runtime, review the *Notable Changes* as well as the *Release Notes* on <https://kafka.apache.org/>.

Deprecated

MirrorMaker (MM1)

MirrorMaker is deprecated. Cloudera recommends that you use Streams Replication Manager instead.

--zookeeper

The --zookeeper option is only supported for the kafka-configs tool and should be only used when updating SCRAM Credential configurations. The --zookeeper option is either deprecated in or

removed from other Kafka command line tools. Cloudera recommends that you use the `--bootstrap-server` option instead.

Deprecation Notices for Apache Livy

Certain features and functionality in Apache Livy are deprecated or removed in Cloudera Runtime 7.3.1. You must review these changes along with the information about the features in Livy that will be removed or deprecated in a future release.

Removed

Apache Livy 2

As Spark 3 is the default Spark version in Cloudera Runtime, Livy 2 has been removed, alongside with Spark 2, and no longer available in 7.3.1



Important:

Spark 3 contains a large number of changes from Spark 2.

For more information on upgrading to Spark 3, refer to [Upgrading Spark](#) for more information on upgrading Spark clusters to 7.3.1, and [Migrating Spark Applications](#) for more information on migrating your existing Spark applications between versions 2 and 3.

Deprecation Notices for Apache Oozie

Certain features and functionality in Apache Oozie are deprecated or removed in Cloudera Runtime 7.3.1. You must review these changes along with the information about the features in Oozie that will be removed or deprecated in a future release.

Deprecated

Oozie's Spark action

Due to the discontinuation and deprecation of Spark 2 in Cloudera 7.3.1, Cloudera decided to deprecate Oozie Spark actions, which are based on Spark 2. Consequently, Oozie's Spark actions will no longer be available, and if you attempt to execute a Spark action, an error will be raised.

Starting from 7.3.1, you must migrate to Spark 3 to use Spark actions. For more information, see [Spark 3 support in Oozie](#).

Deprecation Notices for Apache Spark

Certain features and functionality in Apache Spark 2 are deprecated or removed in Cloudera Runtime 7.3.1. You must review these changes along with the information about the features in Spark 2 that will be removed or deprecated in a future release.

Removed

Apache Spark 2

Spark 3 is the default Spark version in Cloudera Runtime. Spark 2 has been removed and no longer available in 7.3.1

**Important:**

Spark 3 contains a large number of changes from Spark 2.

Refer to [Upgrading Spark](#) for more information on upgrading Spark clusters to 7.3.1, and [Migrating Spark Applications](#) for more information on migrating your existing Spark applications between versions 2 and 3.

Deprecation Notices for Apache Zeppelin

Certain features and functionality in Apache Zeppelin are deprecated or removed in Cloudera Runtime 7.3.1. You must review these changes along with the information about the features in Zeppelin that will be removed or deprecated in a future release.

Removed

Apache Zeppelin

Apache Zeppelin is removed from Cloudera on cloud.

Cloudera recommends you back up all existing Zeppelin notebooks before upgrading to version 7.3.1.

Technical Service Bulletins

Technical Service Bulletins and Customer Advisories for the Cloudera 7.3.1 release and its Service Packs and Cumulative Hotfixes.

TSB 2025-820: Potential Data Integrity Issues Found in Ozone

Learn more about the details communicated in TSB-820.

Summary

The Cloudera Engineering team has identified the following data integrity issues with Apache Ozone (Ozone):

1. In certain situations, handling of failure paths when recovering from disk hardware failures, disk full situations, or over-replication can result in the incorrect deletion of some storage containers on those disk(s). In rare cases, all replicas of the container can be affected, leading to the data within that container becoming unavailable. Under certain extreme conditions, permanent data loss could occur.

Reference: CDPD-83416

2. A bug in the snapshot deep cleaning service and the object deletion path can lead to potential missing blocks of a snapshot key. This can happen only for the keys that were deleted from the active object store after the snapshot was created.

Reference: CDPD-83417

Component(s) affected

- Ozone

Releases affected

- Cloudera 7.3.1

Addressed in release/refresh/patch

- Cloudera 7.3.1.300 SP1 CHF 1

Knowledge Base article

For the latest update on this issue see the corresponding Knowledge Base article: [TSB 2025-820: Potential Data Integrity Issues Found in Ozone](#)

TSB 2025-835: Dry run of incremental Ozone replication can cause failure to replicate some changes in Cloudera Replication Manager

Learn more about the details communicated in TSB-835.

Summary

Executing the "Dry Run" action for Ozone replication schedules with a "Listing type" of "Incremental only" or "Incremental with fallback to full file listing" will result in a run where the changes are not replicated and also omitted from the subsequent replication runs.

Unless a "Full file listing" replication run is executed, the changes made between the dry run and the previous run are not replicated to the target. Such a scenario may occur when, during the dry run action of an Ozone replication policy with INCREMENTAL_ONLY and INCREMENTAL_WITH_FALLBACK_TO_FULL_FILE_LISTING replication type, generates a temporary snapshot on the source, which doesn't get deleted. On the next incremental run, all changes that occurred on the source Ozone bucket between the last successful run and the last dry run operation, will go unnoticed by the Replication Manager. This situation results in the failure to replicate such changes, to the destination Ozone bucket.

Component(s) affected

- Cloudera Replication Manager

Releases affected

- Cloudera Platform 7.3.1
- Cloudera Base on premises 7.1.9

Addressed in release/refresh/patch

- Cloudera Manager for Cloudera Platform 7.3.1
 - Cloudera Manager 7.13.1.400 (Dry Run feature is temporarily disabled)
- Cloudera Manager for Private Cloud Data Services
 - Cloudera Manager 7.11.3 CHF16 (Dry Run feature is temporarily disabled)

Knowledge Base article

For the latest update on this issue see the corresponding Knowledge Base article: [TSB 2025-835: Dry run of incremental Ozone replication can cause failure to replicate some changes in Cloudera Replication Manager](#)

Apache Parquet CVE-2025-30065

Learn more about the details communicated in TSB-847.

Background

On April 1, 2025, a critical vulnerability in the parquet-avro module of Apache Parquet ([CVE-2025-30065](#), [CVSS score 10.0](#)) was announced.

Cloudera has determined the list of affected products, and is issuing this TSB to provide details of remediation for affected versions.

Upgraded versions are being released for all currently affected [supported releases](#) of Cloudera products. Customers using older versions are advised to upgrade to a [supported release](#) that has the remediation, once it becomes available.

Vulnerability Details

Exploiting this vulnerability is only possible by modifying the accepted schema used for translating Parquet files and subsequently submitting a specifically crafted malicious file.

[CVE-2025-30065](#) | Schema parsing in the parquet-avro module of Apache Parquet 1.15.0 and previous versions allows bad actors to execute arbitrary code.

Impact

Schema parsing in the parquet-avro module of Apache Parquet 1.15.0 and previous versions allows bad actors to execute arbitrary code. Attackers may be able to modify unexpected objects or data that was assumed to be safe from modification. Deserialized data or code could be modified without using the provided accessor functions, or unexpected functions could be invoked.

Deserialization vulnerabilities most commonly lead to undefined behavior, such as memory modification or remote code execution.

Releases Affected

- Cloudera Runtime 7.3.1.100 CHF1 and lower versions

Resolved In

- Cloudera Runtime 7.3.1.200 SP1

Mitigation

Until Cloudera has released product version with the Apache Parquet vulnerability fix, please continue to use the the mitigations listed below:

Customers with their own FIM Solution:

1. Utilize a File Integrity Monitoring (FIM) solution. This allows administrators to monitor files at the filesystem level and receive alerts on any unexpected or suspicious activity in the schema configuration.

General advisory:

1. Use network segmentation and traffic monitoring with a device capable of deep packet inspection, such as a network firewall or web application firewall, to inspect all traffic sent to the affected endpoints. Configure alerts for any suspicious or unexpected activity. You may also configure sample analysis parameters to include:
 - a. Parquet file format “magic bytes” = PAR1
 - b. Connections from sending hosts that are not expected source IP ranges.
2. Be cautious with Parquet files from unknown or untrusted sources. If possible, do not process files with uncertain origins or that can be ingested from outside the organization.
3. Ensure that only authorized users have access to endpoints that ingest Parquet files.

Knowledge Base article

For the latest update on this issue see the corresponding Knowledge Base article: [TSB 2025-847: Apache Parquet CVE-2025-30065](#)

Fixed Common Vulnerabilities and Exposures

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1 release, and its Service Packs and Cumulative hotfixes.

Cloudera Runtime 7.3.1.400 SP2

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1.400 SP2.

- [CVE-2024-36124](#) - iq80.snappy
- [CVE-2025-27553](#) - commons-vfs2

Cloudera Runtime 7.3.1.300 SP1 CHF 1

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1.300 SP1 CHF 1.

There are no CVEs fixed in this release.

Cloudera Runtime 7.3.1.200 SP1

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1.200 SP1.

- [CVE-2024-8391](#) - Vertx
- [CVE-2025-30065](#) - Apache Parquet

Cloudera Runtime 7.3.1.100 CHF 1

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1.100 CHF 1.

- [CVE-2021-47621](#) Classgraph
- [CVE-2021-41973](#) Mina-core
- [CVE-2023-22102](#) mysql-connector-j

Cloudera Runtime 7.3.1

Common vulnerabilities and Exposures (CVEs) fixed in Cloudera Runtime 7.3.1.

- [CVE-2023-6378](#) Logback
- [CVE-2023-6481](#) Logback
- [CVE-2023-2976](#) Google Guava
- [CVE-2020-8908](#) Google Guava
- [CVE-2018-10237](#) Google Guava
- [CVE-2023-52428](#) Nimbus-jose-jwt
- [CVE-2023-45865](#) Akka-actor
- [CVE-2021-42697](#) Akka-http-core
- [CVE-2021-23339](#) Akka-http-core
- [CVE-2022-31023](#) Akka-http-server
- [CVE-2021-26291](#) Apache Maven
- [CVE-2022-46337](#) Apache Derby
- [CVE-2023-22006](#) Graal-sdk
- [CVE-2023-50386](#) Apache Solr
- [CVE-2023-50291](#) Apache Solr
- [CVE-2023-50292](#) Apache Solr
- [CVE-2023-50298](#) Apache Solr
- [CVE-2023-1932](#) Hibernate Validator
- [CVE-2024-22201](#) Eclipse Jetty
- [CVE-2024-21634](#) Amazon Ion

- [CVE-2017-7525](#) Jackson-mapper-asl
- [CVE-2019-10172](#) Jackson-mapper-asl
- [CVE-2023-51775](#) Jose4j
- [CVE-2020-15522](#) Bouncycastle
- [CVE-2020-0187](#) Bouncycastle
- [CVE-2022-1471](#) Snakeyaml
- [CVE-2022-25857](#) Snakeyaml
- [CVE-2022-38749](#) Snakeyaml
- [CVE-2022-38751](#) Snakeyaml
- [CVE-2022-38752](#) Snakeyaml
- [CVE-2022-41854](#) Snakeyaml
- [CVE-2022-38750](#) Snakeyaml
- [CVE-2021-31684](#) Json-smart
- [CVE-2023-1370](#) Json-smart
- [CVE-2021-27568](#) Json-smart
- [CVE-2021-4178](#) Fabric 8 Kubernetes client
- [CVE-2023-3635](#) Okio
- [CVE-2024-1597](#) Postgresql
- [CVE-2023-45857](#) Axios
- [CVE-2022-4244](#) Plexus-utils
- [CVE-2022-4245](#) Plexus-utils
- [CVE-2023-34453](#) Snappy-java
- [CVE-2023-34454](#) Snappy-java
- [CVE-2023-34455](#) Snappy-java
- [CVE-2023-43642](#) Snappy-java
- [CVE-2023-34042](#) Spring Security
- [CVE-2024-22257](#) Spring Security
- [CVE-2023-20859](#) Spring Vault
- [CVE-2024-22243](#) Spring Framework
- [CVE-2024-22262](#) Spring Framework
- [CVE-2024-22259](#) Spring Framework
- [CVE-2024-1300](#) Vertx-core
- [CVE-2023-44483](#) Xmlsec
- [CVE-2024-31573](#) Xmlunit-core
- [CVE-2024-38998](#) Requirejs
- [CVE-2024-38999](#) Requirejs
- [CVE-2023-4759](#) Eclipse Jgit