

Cloudera Observability on premises Release Notes

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Release Summary

Cloudera Observability on premises is a single pane of glass observability solution, continually discovering and collecting performance telemetry across data, applications, and infrastructure components running in your on premises deployment. It enables you to interactively explore and understand your existing environments, workloads, clusters, and resources running in your on premises environment.

With advanced intelligent analytics and correlations, it provides insights and easy to follow recommendations that reduce time to resolution of complex issues, help manage and optimize costs, and improve performance. Cloudera Observability on premises also supports better financial governance by tracking and reporting on the costs associated with your business' cost centers.

Cloudera Observability on premises helps Administrators and Developers to:

- Watch and protect against budget overruns with its financial governance capabilities, allowing you to define cost centers and chargeback reports.
- Keep workloads healthy with active system monitoring, so you not only know what's going on right now, you'll be comparing to previous trends and historical analysis, to predict issues before they happen, receive alerts to take actions, and get automatic mitigations when possible.
- Improve performance with automations that help things run as best as they can, helping you optimize resource utilization and improve performance. With recommendations, you'll get insights into how to tune, and with custom automatic actions, Cloudera can be configured to auto-tune, your way.
- Maintain end to end health by identifying and eliminating bottlenecks that impact performance, while also ensuring your entire system, from infrastructure to platform, and workload, is healthy and optimized.
- Get actionable insights through self-service analytics, putting easy to use visualizations into everyone's hands.

Cloudera Observability on premises collects and visualizes a wide range of metrics and health tests, enabling you to do the following:

- Gain insights on current and completed workload jobs and queries, resource consumption, and system performance from a wide range of metrics.
- Identify bottlenecks, performance, and resource health issues from a wide range of health tests.
- Address performance issues with performance tuning and prescriptive guidance and recommendations.
- Gain visibility into the workload resource costs of your environment's infrastructure with the Financial Governance Chargeback feature.
- Define workload thresholds and consumption rules, create actions and alerts, and securely control user access, with the Workload Views and Access Management features.

In this release, Cloudera delivers observability covering Hive, Impala, MapReduce, Oozie, and Spark.

Related Information

[Triggering actions across jobs and queries](#)

[Analyzing your environment costs with Cloudera Observability on premises cost centers](#)

[Classifying workloads for analysis with Workload Views](#)

[Assigning access roles in Cloudera Observability on premises](#)

[Hive, MapReduce, Oozie, and Spark Health Checks](#)

[Impala Health Checks](#)

What's new in Cloudera Observability on premises 3.6.2

Review the new features and functionality improvements in this release of Cloudera Observability on premises.

Financial Governance feature revamp

The cost center part of the Financial Governance feature UI is now revamped in Cloudera Observability on premises 3.6.2. For more information, see the [Configuring the Cloudera Observability cost center criteria](#) documentation.

What's new in Platform Support

You must be aware of the platform support for the Cloudera Observability on premises 3.6.2 release.

New Operating System support:

RHEL 9

Known Issues

Current known issues and limitations in Cloudera Observability on premises.

OBS-9343: Email delivery for Workload alerts may fail with certain SMTP server versions.
The following exception is seen in the Alert Publisher logs: Failed delivery for (MessageId: 0507478A02A7150-0000000000000A3E on ExchangeId: 0507478A02A7150-0000000000000A3E).
Exhausted after delivery attempt: 1 caught: com.sun.mail.smtp.SMTPSendFailedException: 530-5.7.0
Must issue a STARTTLS command first.

Perform the following steps:

1. Log in to Cloudera Manager
2. Click Cloudera Management Service Configuration
3. Search for Java Configuration Options for Alert Publisher
4. Add -Dmail.smtp.starttls.enable=true
5. Click Save Changes
6. Restart Cloudera Management Service

Impala does not support super user configuration for the observability user for Apache Ranger-enabled cluster

The observability user requires full privileges on the Observability cluster. Required services such as Kafka, HDFS, HBase, and Hive support super user setup by specifying the ranger.plugin.[service].super.users property to observability. However, this super user setup is not supported for Impala.

Manually add a new user named observability in Apache Ranger and assign full privileges.

- For information, see *Adding a user* in Cloudera Base on premises documentation.
- For information on granting user access using Apache Ranger, see *Impala Authorization* in Cloudera Data Warehouse Runtime for Cloudera on premises documentation.

Exporting of Impala queries fail for Telemetry Publisher with Cloudera Manager 7.11.3

Telemetry Publisher for Impala queries does not work with Cloudera Manager 7.11.3

Upgrade Cloudera Manager from 7.11.3 to 7.11.3 cumulative hotfix 6 (CHF6) version to successfully export Impala queries.

Auto Action trigger for Impala Engine

Impala Auto Action triggers do not work for the Kerberos-enabled Private Cloud base cluster running on Cloudera Manager 7.9.5 and 7.11.3.

Upgrade Cloudera Manager to 7.11.3 cumulative hotfix 9 (CHF9) version.

Telemetry publisher test altus connection fails for Cloudera Manager 7.11.3 hotfix (CHF6, 7, and 8) versions

Test connection fails with the following error:

```
Exception in thread "main" java.lang.NoSuchMethodError: 'com.google.common.collect.ImmutableSet com.google.common.collect.ImmutableSet.copyOf(java.util.Collection)'
    at com.cloudera.cdp.http.HttpCodesRetryChecker.<init>(HttpCodesRetryChecker.java:57)
    at com.cloudera.cdp.client.CdpClientConfigurationBuilder.<init>(CdpClientConfigurationBuilder.java:53)
    at com.cloudera.cdp.client.CdpClientConfigurationBuilder.defaultBuilder(CdpClientConfigurationBuilder.java:400)
    at com.cloudera.cdx.client.TestDatabusConnection.main(TestDatabusConnection.java:55)
```

This issue only affects the test connection method.

Upgrade Cloudera Manager to 7.11.3 cumulative hotfix 9 (CHF9) version, and then start Telemetry Publisher.

Related Information

[Adding a user](#)

[Impala Authorization](#)

Deprecation Notices in Cloudera Observability on premises 3.6.2

Platform support 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.

Platform and OS

The listed Operating Systems, databases, and instant client library are deprecated or removed from the Cloudera Observability on premises 3.6.2 release.

Database Support:

The listed databases are deprecated from the Cloudera Observability on premises 3.6.2 release:

- None

The following database is removed and no longer supported from the Cloudera Observability on premises 3.6.2 release:

- None


Operating System

The listed operating systems are deprecated from the Cloudera Observability on premises 3.6.2 release:

- None

The following operating system is removed and no longer supported from the Cloudera Observability on premises 3.6.2 release:

- RedHat 7
- CentOS 7
- CentOS

-  **Note:** RedHat 7 and CentOS Linux 7 has reached end of life. Ensure to migrate to RHEL/Oracle Linux or any supported operating system before upgrading to Cloudera Observability on premises 3.6.2.