

Cloudera Data Catalog Release Notes

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CLouDERA

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What's new

This section lists major features and updates for the Cloudera Data Catalog service.

January 16, 2025

This release (2025-M1) of the Cloudera Data Catalog service introduces the following new changes:

Containerized architecture for profilers

Cloudera Data Catalog introduces a new containerized architecture for Profilers for Compute Cluster enabled environments, providing a scalable environment:

- Only the required amount of Kubernetes pods are launched based on the size of the database to be profiled. You need to pay only for the used cloud resources only while they are used by the profilers.
- Also, the deployment of the containerized profiler architecture is more streamlined and quicker than the previous VM-based architecture.
- Moreover, the containerized nature of the architecture means that later upgrades can be carried out easier, without the need for multiple dependencies as in the VM-based architecture which used multiple services.
- Profilers now also support the following file formats:
 - VM-based environments: CSV, ORC
 - Compute Cluster enabled environments: CSV and Parquet
 - Hive Column Profilers and Cluster Sensitivity Profilers also support profiling Iceberg Tables, including with On-Demand Profilers.



Important:

- Currently, Kubernetes based profilers are only supported in AWS environments.
- In Compute Cluster enabled environments, profilers only support tables which are stored on AWS S3 storage.

For more information, see [Profiler architecture in Compute Cluster enabled environment](#).



Note:

The VM-based architecture (using the Cloudera Data Hub Cluster) is deprecated from this release but remains available until Cloudera Public Cloud 7.2.18 is supported (Sept 2025). Therefore, Cloudera Data Hub based profilers will also not be available in Cloudera Public Cloud versions after 7.2.18. Only Compute Cluster enabled environment will be able to run Cloudera Data Catalog profilers after version 7.2.18.

For more information, see [Cloudera Support lifecycle policy](#).

Containerized Data Lake

In Compute Cluster enabled environments profilers are running on the default compute cluster automatically created when registering a Compute Cluster enabled environment. For more information, see [Using Compute Clusters \(AWS\)](#) and [Using Compute Clusters \(Azure\)](#). Cloudera will soon release the Containerized Data Lake for the Compute Cluster enabled environment, providing the capabilities of an Enterprise Data Lake with better scaling in a new data lake shape.

Redesigned Dashboard menu

- A new **Dashboard** is introduced to give a overview of your data lakes and profilers including:
 - Data lake type and status
 - Profiler status
 - Last 10 assets bookmarked by you
 - Last run of profiler
 - Number of assets profiled

Redesigned Search menu

The **Search** menu is reorganized so information is easier to access. You can expand each entity result to see their qualified name, database, classification and assigned terms. You can use these to check if your query returns the expected results.

Improved display of comments in Asset Details

Following this release, you can hover over the **Comment** field for individual schema entries in **Asset Details** to preview longer comments without opening them.

Common time format

Asset Details and other menus will used the same time format for a more readable overview: MM/DD/YYYY hh:mm A.

Removed features

The following features have been removed:

- Tag Rules Luhn check algorithm
- Tag Rules File-based Allow and Deny list
- Tag Rules Lookup files
- Tagging multiple assets in the **Search** menu

December 18, 2024

This release (2.0.28) of the Cloudera Data Catalog service introduces the following new changes:

Column name based tagging in Cluster Sensitivity Profiler

You can override the sampling to profile data in a column based on the column name matching a preset regular expression pattern instead matching the certain percentage of the columns values. This can be used for assets with skewed proportions where relying on the sampling would not result in correct tagging.

For more information, see [Cluster Sensitivity Profiler configuration](#) and [Setting up column name based tagging](#).

June 03, 2024

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

This release of the Cloudera Data Catalog service introduces the following new changes:


This release only contains fixes and updates to prepare Cloudera Data Catalog for the changes in the upcoming 3.0.0 release.

May 16, 2024

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

This release of the Cloudera Data Catalog service introduces the following new changes:

Iceberg tables are now supported by the Cloudera Data Catalog service:

- You are able to filter for them in the Search page.
- Iceberg tables can be viewed in the Asset Details page.
- Iceberg tables can be added to a dataset.
- All subcomponents of Cloudera Data Catalog support JDK 17.
-  **Important:** Profilers do not support Iceberg tables in this release.

April 3, 2024

This release of the Cloudera Data Catalog service provides you with a notable behavior change which you must note and act accordingly.

While upgrading your cluster from Cloudera Runtime version **7.2.17** to **7.2.18**, and specifically during the OS upgrade step, the cluster goes into the failure state. The following message is seen:

__NODE_FAILURE:

New node(s) could not be added to the cluster. Reason Please find more details on Cloudera Manager UI. Failed command(s): Start(id=1546339088): Failed to start role profc6cf3856-PROFILER_SCHEDULER_AGENT-484032cb8f17cacf9e684efe50 of service profiler_scheduler in cluster cdp-dc-profilers-258395ef_

Impact on Cloudera Data Catalog profilers:

If the Cloudera Data Hub is not created, then the Cloudera Data Catalog profilers will not be created in Cloudera Runtime 7.2.18 version.

To overcome this scenario, you must use the following process to bring up the Cloudera Data Catalog profilers in the Cloudera Runtime 7.2.18 version.

First you must delete your existing 7.2.17 clusters. For more information, see [Deleting profiler cluster](#).

Next, after you upgrade to the 7.2.18 Data Lake, then you can launch the Cloudera Data Catalog profilers. For more information, see [Launch profiler cluster](#).



Note: There is no data loss expected on the users' side or the Profiler analysis. However, the only loss that could be expected is related to the last runtime value of the profiler and the profiler run history. The Profiler Last Runtime history refers to the records of how many runs of the profiler are displayed on the history page. It includes information on whether the runs were completed successfully or resulted in failures.

Older releases

Overview of new features, enhancements, and changed behavior introduced in earlier releases of Cloudera Data Catalog.

Cloudera Data Catalog releases for 2023

Release summaries:

December 15, 2023

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following features as generally available:

Cloudera Data Catalog is now integrated with AWS Glue Data Catalog which enables the users to browse and discover data as well as register data into Cloudera Shared Data Experience (using metadata translation or copy), so that it can be used with Cloudera Data Hub and other relevant experiences.

March 13, 2023

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following features as generally available:

- Supporting High Availability for profiler services.
- Navigating to tables and databases in Hue using Cloudera Data Catalog.
- Using the Download CSV option to save queried results.

January 17, 2023

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Cloudera Cloudera Data Catalog is now additionally supported in the EU and APAC regional Control Plane.
- Associating Customer Sensitivity Profiler tags to Hive assets fails on the 7.2.16 Cloudera Runtime cluster. You must update the configurations. For more information, see [Associating Custom Sensitivity Profiler tags to Hive assets](#).

Cloudera Data Catalog releases for 2022

Release summaries:

April 1, 2022

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

Profiler cluster launch requires specific instance type of the Master node.

March 2, 2022

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Support for Cloudera Runtime 7.2.14
- No end-user manual process needed for backing up and restoring profiler data
- Post-upgrade (to Cloudera Runtime 7.2.14 version), deleting profiler cluster does not require saving the modified Custom Sensitivity Profiler rules

February 16, 2022

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Deleting profiler cluster with multiple scenarios
- Bug fixes

Cloudera Data Catalog releases for 2021

Release summaries:

December 9, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Deleting profiler cluster
- Bug fixes

October 26, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

Available location paths for the Backup and Restore scripts based on the Cloudera Runtime version.

August 27, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

- Bug fixes. Refer to the Fixed Issues section in the Release Notes document.

- Refreshed screenshots for profiler configuration and related pages.
- Profiler cluster creation using the new UI
- The option selected in Depth drop-down and Show Process nodes are now displayed on the upper-left corner of the Lineage module.

October 5, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

- Support for deleting the profiler cluster
- Updated asset details
- Bug fixes and refreshed UI

July 26, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

- Creating classifications on the search page or on the classification widget.
- Bug fixes. Refer to the Fixed Issues section in the Release Notes document.
- Updated in-help documentation for multiple components in the UI.

May 31, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

- Launching Profilers using the Command-line Interface (CLI).
- Bug fixes. Refer to the Fixed Issues section in the Release Notes document.

April 5, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

Support for Business Glossary and usage of "terms" to associate datasets.

March 25, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following addition:

Backing up and Restoring Profiler Database.

March 15, 2021

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Searching for asset types using additional options in Cloudera Data Catalog and Apache Atlas
- Bug fixes

Cloudera Data Catalog releases for 2020

Release summaries:

December 14, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Support for AWS and Azure in Cloudera Runtime 7.2.6 version
- Atlas entity audits in the **Asset Details** page
- Profiler jobs tracking status
- Audit graphs for HBase tables

October 29, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Support for searching assets across multiple data lakes.
- A new tab called Contents is introduced to list the contents of the select entity.
- Support for tagging multiple assets.

August 27, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Multiple entity type selections to search for assets
- Other UI fixes and improvements

August 12, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Multiple filter type selections on the **Search** page
- Other UI fixes and improvements

July 25, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Support for improved user experience for the **Search** page
- Atlas tags option is now directly accessible from the menu bar

June 30, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following additions:

- Tag management
- On-Demand profiler support for Hive Column Statistics Profiler and Cluster Sensitivity Profiler
- Last Run Check Configuration
- Support for adding Hive asset to one or more datasets from the **Asset Details** screen

June 17, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following changes and bug fixes:

- UI improvements for search capabilities
- Ability to search Hive and HBase assets using Column tag

June 5, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following changes:

- About accessing Data Lakes
- Support for prepopulating the Asset owners

- Support for selecting more entity types for searching assets

May 6, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following changes and bug fixes:

Navigation Support for Hive entity within Lineage.

April 7, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following new features:

- Profiler Tag Rules
- Hive Column Statistical Profiler

January 6, 2020

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments.

Cloudera Data Catalog introduces the following new features:

- Ability to run Sensitivity Profiler jobs
- Ability to collaborate with other users - you can now rate datasets, add comments about asset collections and respond to the comments of other users.

Cloudera Data Catalog releases for 2019

Release summaries:

November 14, 2019

This release of the Cloudera Data Catalog service introduces the following new features.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments (on-premises, cloud, and IOT).

Cloudera Data Catalog introduces the following new features:

- Ability to view Profiler jobs
- Ability to edit Profiler configuration
- Ability to toggle a Profiler on and off.

September 23, 2019

This release of the Cloudera Data Catalog service introduces the following new features:

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments (on-premises, cloud, and IOT).

Cloudera Data Catalog enables data stewards across the enterprise to work with data assets in the following ways:

- Organize and curate data globally
- Understand where relevant data is located
- Understand how data is interpreted for use
- Understand how data is created and modified
- Understand how data access is secured and protected, and audit use

August 22, 2019

This release of the Cloudera Data Catalog service introduces the following new features:

This is the first release of the Cloudera Data Catalog service.

Cloudera Data Catalog is a service within Cloudera that enables you to understand, manage, secure, and govern data assets across enterprise data lakes. Cloudera Data Catalog helps you understand data across multiple clusters and across multiple environments (on-premises, cloud, and IOT).

Cloudera Data Catalog enables data stewards across the enterprise to work with data assets in the following ways:

- Organize and curate data globally
- Understand where relevant data is located
- Understand how data is interpreted for use
- Understand how data is created and modified
- Understand how data access is secured and protected, and audit use

Known issues

Learn about the known issues in Cloudera Data Catalog, the impact or changes to the functionality, and the workaround.

CDPDSS-1953: Location field does not load absolute path for entities in contents tab

Problem: After navigating to the Azure Blob which is created within the Azure directory and later clicking the "Content" tab, the path for Azure blob is displayed as "/" instead of the path that mentions: containers/directory/Blob.

CDPDSS-1956: Issue with count on search page as AWS S3 V2 Object

Problem: The count against the Data Lake displays only the count of AWS S3 V2 Object entity type.

CDPDSS-31173: Atlas API on saving the classifications in Cloudera Data Catalog is failing while using Cloudera Runtime version 7.2.12

Problem: When the suggested classification by Custom Sensitivity Profiler is saved, Atlas API throws an error response and it is not saved in Cloudera Data Catalog. This behavior is specifically observed in Cloudera Runtime version 7.2.12.

Workaround: If you are using 7.2.12 version, from Cloudera Manager > Atlas > Configuration > search for 'application.prop' > enter the value as "atlas.tasks.enabled=false". Restart Atlas. Later, log into Cloudera Data Catalog to use the classification feature.

CDPDSS-2127: On profiler cluster creation step 'external database in creation' the message on search page is not displayed

Problem: The message on Cloudera Data Catalog **Search** page is not displayed in 'blue' section saying "profilers cluster is getting created".

CDPDSS-2138: ODP fails on an asset imported from Glue to Cloudera on a medium duty cluster

Problem: The profiler run fails on the table.

CDPDSS-2142: Livy job in Profiler run has failed but profiling status of assets is shown as started

Problem: The Livy job fails but each assets shows profiling status as started.

CDPD-32000: Atlas intermittently does not send the classification information to Cloudera Data Catalog

Problem: On loading of search page filters with 'entity type' filter applied to 'Hive', intermittently the tags/classifications are not loaded in Cloudera Data Catalog App. Due to this, Cloudera Data Catalog does not load the filters for 'entity tag' and column tag.

CDPDSS-2145: Applying column tag filter and typing the same search result in search field gives 'no results' found

Problem: On searching the asset which is in the results for a column tag filter, the search results are shown as 'No results found'.

CDPDSS-2236: Issues noticed on data-catalog while performing scale testing

Problem:

- Search page consistently throws 504 gateway time-out error, however on applying global search field or search filters, results are loaded.
- Hive Column profiler goes to “undetermined” state for both ODP or scheduled jobs . To fix this, Profiler must be stopped and restarted. Happens due to Profiler not completing the read events from eventstore in AWS S3 within the time-out limit.(intermittent)
- On **Asset Details** page, when ODP is triggered, on successful completion of jobs and refresh of page, the ODP widget is not displayed and user needs to refresh a couple of times to load it on UI (reproducible). This ODP trigger job is running in parallel to running scheduled jobs.
- Assets cannot be added to dataset as the API fails with gateway timeout (intermittent)

Workaround: For the first and fourth issues listed, the following configuration change done on Cloudera Manager for Atlas:

```
atlas.graph.index.search.types.max-query-str-length=1536
```

```
Heap size = 4 GB
```

For the third issue listed, you must refresh the **Asset Details** page for about three to four times.

CDPDSS-2488: In MGMT service of DH CM, the telemetry command is failing bringing the master node down

When a Cloudera Data Hub cluster is created, the management service of Cloudera Manager becomes unavailable because the telemetry command fails on Hive. Because of this, the Master node of Cloudera Data Hub goes down causing a Node Failure error on the cluster.

In Cloudera Data Catalog, due to the failure of the master node of Cloudera Data Hub, the **Profiler** and the **On-Demand Profiler** page in the **Asset Details** page does not load.

It is recommended to upgrade to Cloudera Data Catalog3.0.0 to avoid this issue.

CDPDSS-3364: Not able to delete the profilers from DSS App when underlying compute cluster deleted

When deleting the compute cluster in Compute Cluster enabled environments profilers cannot be deleted. The following error is displayed: Failed to delete profilers with error 401.

CDPDSS-3403: Altered ICEBERG table is not available in Compute Cluster enable environment

Iceberg tables modified or renamed with the ALTER operation appears with both old and new name, however, neither entry can be accessed. Apache Atlas synchronizes the table with the altered name with its full qualified name instead of its name shown in the **Search** results.

CDPDSS-3412: Profiling is not working on migrated ICEBERG table

Hive tables migrated to Iceberg with the ALTER TABLE statement cannot be profiled in Compute Cluster enabled environments. Cluster Sensitivity Profilers and Hive Column Profilers will not be able to apply tags to the values.

CDPDSS-3401: Profiler is shown as running in DSS App on deleting default compute cluster

In a Compute Cluster enabled environment, after deleting the default Compute Cluster profiler are displayed as still running in the **Dashboard**. However, profiler jobs will fail even if the default Compute Cluster is recreated.

After recreating the Compute Cluster, delete and relaunch the profilers.

CDPDSS-3396: Occasionally getting Bad Gateway(Error Code - 502) error in DC UI

In a Compute Cluster enabled environment, occasionally the messages Error Occurred while processing: Bad Gateway are displayed in addition to the **Asset Details Overview** tab failing to display any data.

The error is corrected by Cloudera Data Catalog in a few seconds.

CDPDSS-3323: Profiler Jobs are running forever if the primary Kubernetes pod is shut down

If the primary Kubernetes pod is forced shut down, or shuts down because of an error, the Kubernetes scheduler requests new resources for new pods. However, the original pod shut down still appears as a running job in Profiler / Jobs. This job cannot be deleted, as it is falsely marked running.

CDPDSS-3467: [Search Page] Incorrect results are being displayed after navigation

The total number of results in the **Search** page may change when changing the number of results displayed for a page after navigating into **Asset Details** for a result and navigating back to the overview of results. This is due to an incorrect response from Apache Atlas. The total number of results in the **Search** page may also change when using the owner filter and then clearing the applied filters, displaying all available assets.

CDPDSS-3387: Profiling of struct or composite data type are not supported in Cloudera Data Catalog

Profiling of struct or composite data type are not supported in Cloudera Data Catalog. When profiling tables with such data, the profiling job will be stuck in the Undetermined status.

CDPDSS-3561: The number of columns is displayed incorrectly when the DB or table name is too long

In **Asset Details**, the number of columns (**# of Columns**) is displayed as zero when the database or table name is too long.

CDPDSS-3569: [Search Page] Filters are retained when a filter is selected and then a different data lake is selected

When switching data lakes on the **Search** page, the previously selected search filters are not cleared. This can result in an error message.

After switching data lakes, remove the applied filters by clicking Clear All.

Fixed issues

This section lists the issues that have been fixed since the previous version.

CDPDSS-81: Cloudera Data Catalog Issue

Problem: If an error occurs while fetching results, an error message appears briefly and disappears. Once the message disappears, the results pane is stuck in the Loading state.

CDPDSS-81: Cloudera Data Catalog Issue

Problem: Despite having no privileges to add, modify, or delete classifications, users are able to edit the tag flow on the **Asset Details** page. However, users will not be able to save the changes.

CDPDSS-81: Cloudera Data Catalog Issue

Problem: On the **Asset Details** page, the Audit tab fails to load if the logged in user does not have Audit read privilege.

CDPDSS-363: The 403 error message seen in Cloudera Data Catalog > Table / Audit tab

Problem: Error messaging needs to be improved for users accessing Table and Audit tab without sufficient Ranger role.

CDPDSS-437: Unauthorized message for tag management flow does not have column name

Problem: Unauthorized column names and comma visible for tag management flow.

CDPDSS-444: Duplicate tag based policy on Asset Details Policy tab

Problem: When a specific tag is present both on the table as well as on any column of the same table, and a couple of requests to Ranger with the same tag and it displays the policy twice on list.

CDPDSS-527: Cloudera Data Catalog specific user roles not supported.

Problem: The following user roles are not supported:

- DataCatalogCspRuleManager
- DataCatalogCspRuleViewer

Adding or removing these roles in the User Management will not have any impact on Cloudera Data Catalog user access.

CDPDSS-81: Cloudera Data Catalog Issue

Problem: When you navigate to the **Cloudera Data Catalog** page from the **Environments** page or **Data Lakes** page, the context is not retained and the **Cloudera Data Catalog** page loads with the last used context.

Workaround: You must change the context manually by selecting the right data lake.

CDPDSS-302: Profiler Manager server requires a manual restart after installation for DP Tags to reflect in Atlas

Problem: Once the profiler is launched, run the sensitivity profiler, the profiler recognises the sensitive tags but fails to push them to Atlas.

Workaround: You must restart the profiler manager. Note that restarting the profiler manager is a one-time task.

CDPDSS-360: Sensitive and Hive Column Profilers do not support managed Hive tables.

Problem: Profilers cannot access the storage file of the managed table.

CDPDSS-517: Dataset View: Asset list displays loading icon if user is not authorized on Environment on which the dataset is created.

Problem: The dataset view page breaks if user does not have access to the Environment on which the dataset is created.

CDPDSS-570: The Filter type list should be refreshed based on the data lake selection.

Problem: Selecting the filter type from the drop-down does not display the supported entity type and also in the radio button list.

CDPDSS-547: Data lake name missing on the Asset Details page.

Problem: The data lake name was not visible on the Asset Details page .

CDPDSS-594: Database filter and create dataset button gets hidden

Problem: When you clear the query used the clear button, the databaser filter gets hidden and create dataset button on the search page gets disabled.

CDPDSS-636: User able to view assets of a dataset which is available in an inaccessible data lake.

Problem: Users are able to view the assets in a data lake for which they have no permission or access.

CDPDSS-672: On the Asset-Details page, when you make changes and save them, the Scheme page is refreshed, the Schema tab is disabled, and Overview tab becomes operational.

Problem: When you perform some operations on the **Asset Details** page and save the changes, the **Schema** tab gets inactive.

CDPDSS-727: CSP Custom Rule Validation is getting stuck in "Validation Running" status

Problem: The rule gets stuck in the Validation Running status.

Workaround: Keep sensitivity profiler enabled when running CSP rule validation.

CDPDSS-955: Cloudera Data Catalog uses wrong attribute to read createTime of entities and misinterprets lastAccessTime attribute.

Problem: Cloudera Data Catalog does not match the Created On date with Atlas.

CDPDSS-949: Asset registration pertaining to GLUE integration is not possible.

Problem: Asset registration failing with GLUE integration.

CDPDSS-921: Table created few days ago and configured recently is getting backlisted.

Problem: When an asset created date is older than the filter applied for black-listing, the asset still gets blacklisted (not picked during the profiler run).

CDPDSS-1007: On-Demand Profiler remains in "in-progress" state if the profiler job fails.

Problem: The On-Demand Profiler remains in the "in-progress" state if the profiler job fails due to some exception (For example: Permission denied exception).

CDPDSS-144: Filter Results Count Mismatch

Problem: When you search and filter the results using Created Before, the count displayed in the filters panel is incorrect. But, the number of search results is accurate.

CDPDSS-144: Search icon within dataset does not work

Problem: When you try to search for an asset within a dataset and click the search icon, it does not yield any results.

Workaround: Press enter to view the search results after entering a string in the search box.

CDPDSS-143: Edit button appears after creating a new dataset

Problem: After creating a new dataset, when you visit the dataset, the Edit button appears instead of Add Assets.

Workaround: Refresh your browser and reopen the dataset. You will be able to see the Add Assets button.

CDPDSS-81: When you select a table tag, owner filters along with the counts disappear

Problem: When you select a table tag, owner filters along with the counts disappear.

Workaround: Make sure you select table tags before selecting the owner filters.

CDPDSS-789: Adding system tag 'dp' prevents further editing of tags on the assets

Problem: Adding system tag 'dp' prevents further editing of tags on the assets

Workaround: Choose not to add the tag 'dp' on any of the assets.

CDPDSS-795: Search bar in schema tab goes empty, but previous results are shown

Problem: Search results displays previous results.

Workaround: Refresh the page.

CDPDSS-797: Schema search tab displays all results for not existing search string

Problem: Search by terms which have no hits and returns all assets.

CDPDSS-1055: Multiple tagging across different types throws 504 Gateway Timeout error

Problem: 504 Bad Gateway error is displayed.

CDPDSS-1075: When one specific asset is tagged to multiple tags from the search page, an incomplete alert is displayed

Problem: Asset name display is inconsistent. Only the first tag is displayed, remaining tag messages do not display the asset name.

CDPDSS-1084: Confusing terminologies.

Problem: Different usage terminologies. Not consistent.

CDPDSS-1373: "Unauthorised" message is displayed by middleware on the Cloudera Data Catalog UI for every API failing 401

Problem: The Cloudera Data Catalog UI shows a pop-up at the bottom with message: "unauthorised request" and no context.

CDPDSS-1375: Search enhancements by TERM

Problem: In Cloudera Data Catalog, if the term is included in the asset search query, the count of the assets next to the Data Lakes displays NA. It is because, Atlas search with Glossary term is returns approximate count as -1.

CDPDSS-1410: While navigating to another node from the Lineage tags filter, the tool-tip is retained.

Problem: From the lineage tags filter, the tool-tip is retained.

CDPDSS-1414: The "Cancel" button should exit the "Classifications" pane.

Problem: The "Cancel" button does not go away from the the "Classification" pane.

CDPDSS-1415: The Attribute name field in the "add classification" gets truncated when its very long and it cannot be read completely.

Problem: The attribute name field cannot be read fully.

CDPDSS-1416: Intermittent: Clicking add classifications reloads the lineage.

Problem: Clicking "add classifications" reloads the lineage but takes a very long before completely loading it.

CDPDSS-1474: [Glossary Terms] Difference in the Slider panel used in Asset Details and Search pages.

Problem: Indifferent display of slider panels in **Asset Details** and search pages.

CDPDSS-1475: Glossary Term | Allow selection on clicking any part of the row.

Problem: While associating a term to column or entity, the user has to click on the + icon for selection and not just tap on any object within the row.

CDPDSS-1484: Atlas and Ranger services UI link for Cloudera Private Cloud Base clusters is broken.

Problem: The managerUri attribute in Classic Cluster does not contain the Knox gateway URL.

CDPDSS-1498: For AWS Glue assets, users cannot add terms.

Problem: An error is displayed when Glue asset user tries to add terms.

CDPDSS-1501: On applying the term name in the Glossary filter on the search page, the count for data lakes is rendered as NA

Problem: The result count for data lakes displays are NA but the result list loads correctly.

CDPDSS-1664: Inherited attributes are not getting displayed for tags in the Schema tab slider for specific user cases.

Problem: Missing attributes in the Schema tab slider search bar.

CDPDSS-1179: Cloudera Data Catalog search via Atlas's /v2/search/basic API doesn't retrieve results when the search text mentioned in the entity filter criteria (like searching by DB / table name) has special characters (like + - & | ! () { } [] ^ " ~ * ? :)

Workaround: No known workaround via Cloudera Data Catalog.

CDPDSS-1346: Asset Details view of HiveTable not displaying all columns

Workaround: N/A

CDPDSS-1276: Error is thrown when advanced configuration values are changed to 0 or left blank

Problem: Error is thrown when advanced configuration values are changed to 0 or left blank and saved

CDPDSS-1506: For specific databases, the terms associated to them are not getting deleted

Workaround: N/A

CDPDSS-1595: Cloudera Data Catalog Profilers are not functioning as expected for Ranger Authorization Service (RAZ) enabled Data Lakes

Problem: When you are using the RAZ enabled clusters, you can launch the Cloudera Data Catalog profilers but the profilers do not function as expected.

Workaround: To enable RAZ with Azure, you must update the existing Ranger policy and also add a couple of new Ranger policies:

- Existing Policy: Default: Hive warehouse locations
Add dpprofiler user and assign Read + List permission.

Later, add the following policies:

- Policy Name: Profiler locations (Anything that Ranger can accept)

Depending on your storage location, note the following and set them accordingly:

If you have a sample location like:

```
abfs://<Storage account>@<Storage account container>.dfs.core.windows.net/<sub_directory>/dpprofiler
Storage account:<Storage account>
Storage account container : <Storage account Container>
Relative path: /*/dpprofiler
```

Select All permissions to allow conditions to take effect.

- Policy Name :Profiler Ranger Audit Logs (Anything that Ranger can accept)

Depending on your Storage location, note the following and set them accordingly:

If you have a sample location like:

```
abfs://<Storage account>@<Storage account container>.dfs.core.windows.net/
<sub_directory>/ranger/audit
Storage account:<Storage account>
Storage account container : <Storage account Container>
Relative path: /*/ranger/audit
```

Select Read + List permissions for allow conditions.

Restart the Profiler Manager service in the Cloudera Data Hub Cloudera Manager instance.

CDPDSS-1748: Release specific features call fails with 404 error on the search page

Problem: Release specific features call is failing with 404 error for data lakes with no profiler cluster.

CDPDSS-1774: In the edit dataset page, on selecting all the assets and deselecting a few does not work

Problem: In the edit dataset page, on selecting all the assets and deselecting a few of the assets, deselects them in the UI but on hitting the 'delete' (trash icon), all the assets (selected and unselected ones) are deleted.

CDPDSS-1801: Options drop-down for a dataset stays open even though drop-down is opened for another dataset

Problem: The drop-down for all the datasets stay open.

CDPDSS-1807: Overlapping b/w icon and inline text in text boxes

Problem: This overlapping of icons and inline text is removed from all the pages.

CDPDSS-1808: UI Issues with new 'add asset' modal to add assets to dataset N/A

Problem:Directly clicking on 'search' field of 'Table Tag' shows no results found.

Typing "_" in the search field erases the entire search string

'Clear' text button is not working for Table tags , however it works for column tags

CDPDSS-1897: Show process nodes option is displayed for entity types which do not have process nodes

Problem: The toggle option to show the "process nodes" is present even for entity types which do not have process nodes.

Workaround: N/A

CDPDSS-1954: User cannot delete profilers when no entities are displayed in search result

Problem: The "Action" button containing the option to delete profilers is also removed when the search results yield no entity type.

CDPDSS-1988: Asset names are not clickable for registered assets in Glue Data Lake

Problem: Once the asset is registered observe that the 'asset name' is in blue but not clickable.

CDPDSS-2125: Unable to create profiler cluster for Cloudera Runtime version 7.2.11 and below

CDPDSS-2130: Unregistered Glue tables consume more time to load Asset Details page.

CDPDSS-2045: Duplicate API calls in Profiler job listing screen

CDPDSS-2047: Azure | Profilers HA | Issue with DB connection

The issue can be solved by upgrading the data lake and the profiler cluster to Cloudera Public Cloud 7.2.14 or later.

CDPDSS-2032: Profiler Manager Service call is failing for Classic Clusters

CDPDSS-2120: Test run on CSP tag creation fails with 404 error

CDPDSS-2140: System tags status is marked as 'suspended' on a medium duty cluster with Profiler Management Services on Cloudera Shared Data Experience

Problem: The system tags are in a suspended state instead of default state which is 'deployed'.

CDPDSS-1965: AWS S3 V2 Directory type nodes could not be clicked in the Asset Details page

The issue was fixed by enabling AWS S3 V2 Directory type nodes in a configuration file.

CDPDSS-2141: Delete profiler option should be available in Cloudera Data Catalog UI for all the states

Problem: This functionality is present on CloudBreak UI and hence can be made available from Cloudera Data Catalog App as well.

CDPDSS-2839: Hadoop version upgraded from 7.2.17.200-29 to 7.2.17.301-3

Problem: The Hadoop version is upgraded from 7.2.17.200-29 to 7.2.17.301-3 to remediate CVE-2023-44487 and other CVE fixes are implemented as well.

CDPDSS-2925: The getNextScheduledRun API fails if createtime value is in the Allow List.

The issue was fixed by updating the Cloudera Data Catalog Profiler configuration.

Workaround: Remove asset filter rules with createTime filter and recreate them.

CDPDSS-2926: Profilers page displayed Start Time and Last Updated time in epoch time format

The Profilers page was updated to use the UTC time format.

CDPDSS-2928: Refreshing the Profiler page deletes configuration details

The issue was fixed by updating the Profiler page.

CDPDSS-2929: The Asset Details page reports a 404 error for impala_process_execution type assets.

The issue was fixed by removing the unsupported lineage widget for impala_process_execution type assets.

CDPDSS-2934: Classification and Glossary filters are not loaded on search page intermittently

The issue was fixed by updating the entity search components.

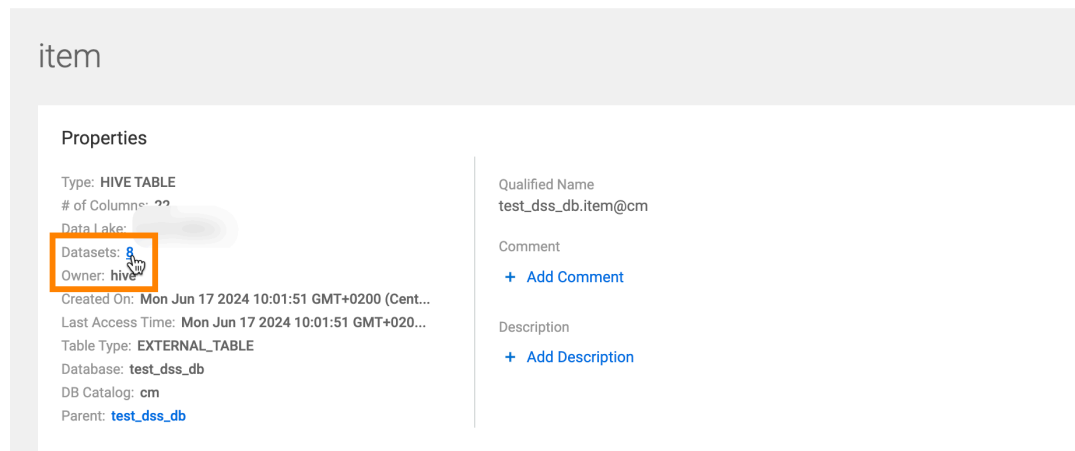
CDPDSS-2948: 400 Bad Request is generated in the Asset details page for Table Type "VIRTUAL_VIEW"

The issue was fixed by adding a tooltip and disabling the ODP run button for the empty location.

CDPDSS-3037: Asset Details page does not highlight link for Datasets

The **Asset Details** now correctly highlights links to Datasets.

Datasets / Details / Asset Details



CDPDSS-2958: Schema rows are not ordered as in their database

Rows under the **Schema** tab in **Asset Details** are ordered based on their position in their parent database.

Datasets / Details / Asset Details

The screenshot shows the 'Schema' tab in the 'Asset Details' page. A table lists columns with the following columns: Chart Type, Name, Type, Unique Values *, Null Values, Max, Min, Mean, Comment, Classifications, and Terms. The 'Name' column is highlighted with an orange box. The table contains 15 rows of data.

Chart Type	Name	Type	Unique Values *	Null Values	Max	Min	Mean	Comment	Classifications	Terms
▼	l_item_sk	int	17852	0	18,000	1	9,000.5			
▼	l_item_id	char(16)	8713	0						
▼	l_rec_start_date	date	4	18000						
▼	l_rec_end_date	date	3	18000						
▼	l_item_desc	varchar(200)	12819	0						
▼	l_current_price	decimal(7,2)	2917	45	99.99	0.09	9.52			
▼	l_wholesale_cost	decimal(7,2)	2137	46	87.36	0.02	5.75			
▼	l_brand_id	int	952	44	10,016,017	1,001,001	5,502,225.27			
▼	l_brand	char(50)	734	0						
▼	l_class_id	int	15	35	16	1	5.45			
▼	l_class	char(50)	93	0						
▼	l_category_id	int	10	42	10	1	5.49			
▼	l_category	char(50)	11	0						
▼	l_manufact_id	int	1000	38	1,000	1	334.57			
▼	l_manufact	char(50)	971	0						
▼	l_size	char(20)	8	0						

CDPDSS-2959: Asset Details does not provide a link to the parent database

- Now, the parent database can be accessed via a link in **Asset Details**.
- The Qualified Name is no longer trimmed. Longer names are displayed in multiple rows.

Datasets / Details / Asset Details

item

Properties

- Type: HIVE TABLE
- # of Columns: 22
- Data Lake:
- Datasets: 8
- Owner: hive
- Created On: Mon Jun 17 2024 10:01:51 GMT+0200 (Cent...
- Last Access Time: Mon Jun 17 2024 10:01:51 GMT+020...
- Table Type: EXTERNAL_TABLE
- Database: test_dss_db
- DB Catalog: cm
- Parent: test_dss_db
- Asset Type: HIVE DB

Qualified Name
test_dss_db.item@cm

Comment
+ Add Comment

Description
+ Add Description

CDPDSS-3042: Edit classification is failing with guid undefined error

Trying to edit the classifications in the **Asset Details** screen no longer results in the "List properties for entity request failed Error from Atlas. Not Found : Received 404. Body {"errorCode": "ATLAS-404-00-005"}, "errorMessage": "Given instance guid undefined is invalid/not found"}" message.

CDPDSS-3049: Expanded graph is displayed on every page of the Schema tab

Previously, in the **Asset Details** page under the **Schema** tab, the bar graph of profiled assets might stayed visible for a selected asset even when moving to the next page in the list. Now, changing the page correctly closes the previously selected asset, and only displays the assets in the active page.

CDPDSS-3050: Username is not visible in Cloudera Data Catalog for the Local Administrator user

The username for local administrator users is no longer hidden. It is shown in the bottom left corner of the navigation sidebar.

CDPDSS-3077: The Datasets Details page fails to load the list of assets

Datasets containing deleted assets no longer fail to render the assets list with the following error: pages.dataset.labels.err-undefined-msg(Error Code - undefined)

CDPDSS-3366: Hbase Table: The Asset Details page is distorted with very long description under Schema tab

After the update, the description length no longer disrupts the **Schema** tab in **Asset Details**.

CDPDSS-3319: No filter options for Access Type for HIVE DB type assets

After the update, all filter options are correctly displayed for Hive DB type assets in **Asset Details** **Access Audits** .

CDPDSS-3318: Access Audits doesn't have the filter for Access Type INSERT

After the update, the INSERT filter option is correctly displayed for relevant assets in **Asset Details** **Access Audits** .

CDPDSS-3064: Cancel and Suspend button is disabled on revert

In **Profilers Tag Rules** , when trying to revert a suspended tag rule, the **Cancel** and **Suspend** buttons are no longer disabled.

CDPDSS-3371: Asset Details is distorted with very long description

After the update, the very long strings in the **Description** field are trimmed and no longer distort **Asset Details** by being displayed in full length.

CDPDSS-3351: Unable to see comments on the Hive columns in Asset Details

Full comments can be displayed in **Asset Details** while hovering over the **Comment** field compared to the earlier limited view.

CDPDSS-3169: Asset Details Page - Optimize API to avoid 504 Error

Before the update, by some tables with thousands of columns and one ALTER statement on each column to add comment, the `/api/atlas/v2/entity/guid/` API call took more than one minute and caused the timeout. Optimizing the API calls related to **Asset Details** led to improved performance and avoiding potential 504 errors when opening assets.

CDPDSS-3073: API Status code is 200 even if add classification is failed because of wrong datatype for attribute

When a classification is added to an asset with a mismatching attribute value type, the correct error message is shown, including the correct status code 400.

CDPDSS-3061: Add assets is not displaying all the assets when searched based on Owner/DBName/Tags

When adding assets to a dataset in `Dataset Details`, all assets will be correctly displayed when filtering the available assets by DB Name.

CDPDSS-3031: Number of Jobs count is not matching in the Profilers/Jobs page

The number of profiler jobs now correctly matches the between the **Filters** panel and list of profiler jobs in `ProfilerJobs` if the Rows per page: 500 setting is used.

CDPDSS-3030: Rows displayed in the Profilers/Jobs page is not matching with the selected Rows per page value

The list of profilers in `Profiler Jobs` correctly matches the number set in the `The Rows per page` setting.

CDPDSS-3417: Incorrect results are being displayed after navigation, when "owners" filter is selected

In the **Search** page, returning to the list of results after opening the **Asset Details** of one the results and repeating the search with the same filter, other entities belonging to owners different than the selected no longer appear. Only entities belonging to the selected owners are displayed.

CDPDSS-2571: Events filtered from Atlas that are not assets or objects

The API call to Apache Atlas creating the default quick search response was streamlined by removing events that are not relevant in the Cloudera Data Catalog context, resulting in less clutter in the default view of the **Search** page.