

## Atlas Tags

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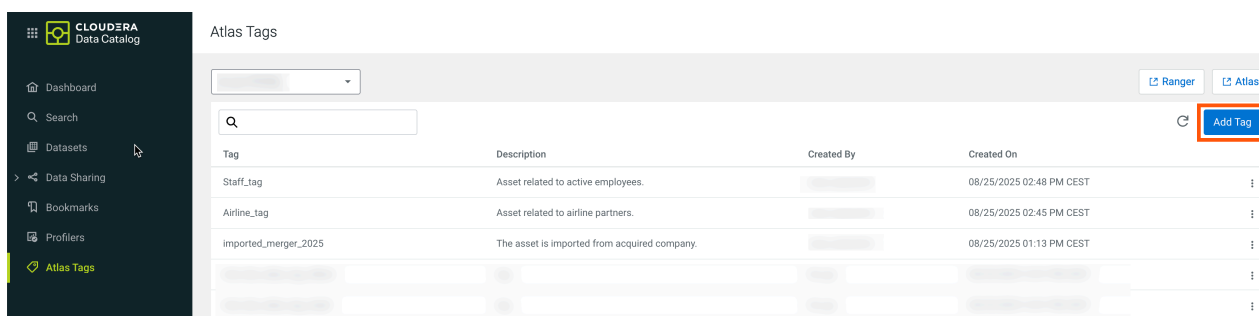
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## Atlas tag management

From the Atlas Tags menu, you can create, modify, and delete any of the Apache Atlas classifications to help data discovery and applying governance policies such as security and access control in Apache Ranger.

### Creating Atlas tags

You can create a new Cloudera Data Catalog tag in the **Atlas Tags**, which are synced to Atlas. Click **Add Tag** to open the **Create a new tag** page.

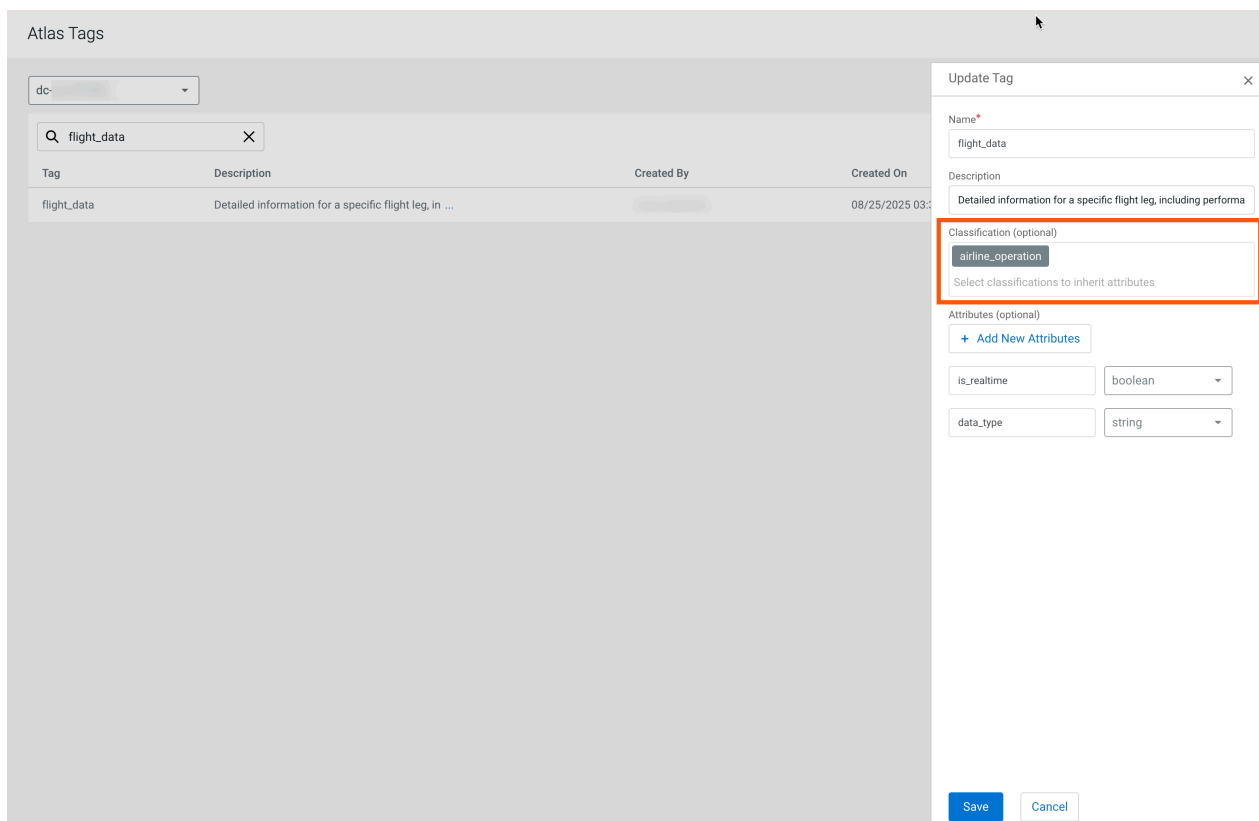


In **Create New Tag**, you can define the tag name, description and the "super-classification" from which the attributes are inherited for the sub-classification (or tag in Cloudera Data Catalog)

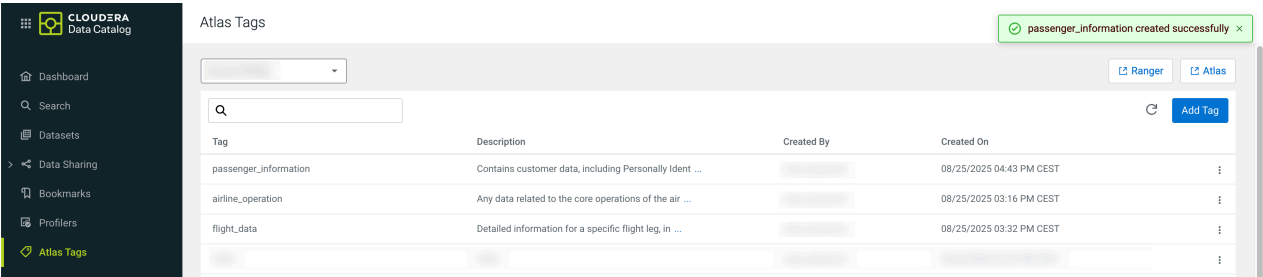


#### Note:

- Your classification still needs to be added to an asset in the **Search** or **Asset Details** menu.
- The inherited attributes are shown in Atlas. In Cloudera Data Catalog, you can only see the super-classification.

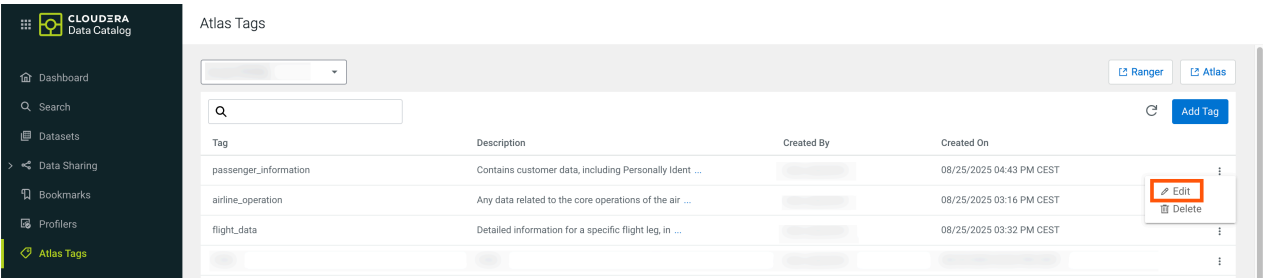


You can add or update Atlas tags. The created or updated tag is highlighted in the tag list as seen in the following diagram.



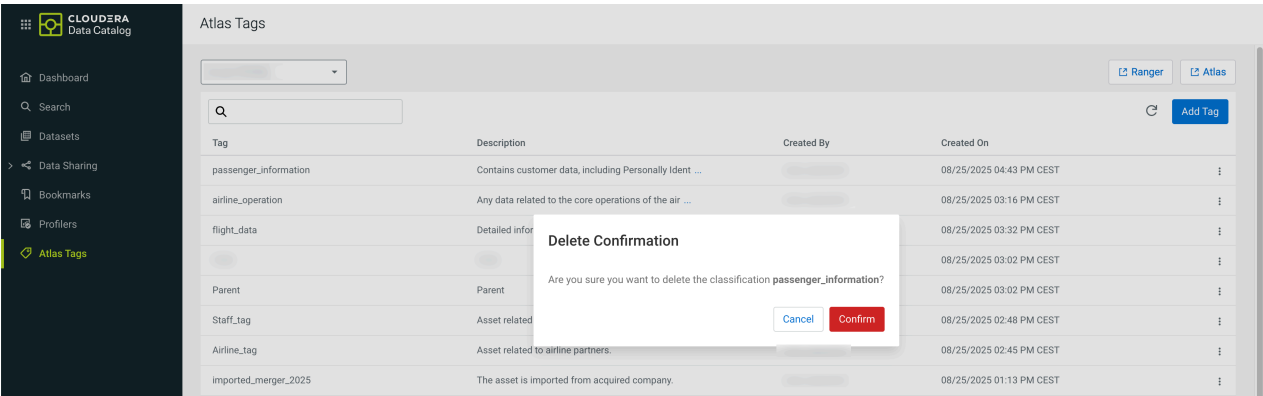
Editing Atlas tags

You can also edit or delete the Atlas tag as shown in the image. When you are editing the tag, you can only change the description or add new attributes.



Deleting Atlas tags

You can delete one Atlas tag at a time. A separate confirmation message appears for each deletion.



Related Information

- [Apache Atlas metadata attributes](#)
- [Working with Atlas classifications and labels](#)
- [Creating classifications](#)
- [Tag-based Services and Policies](#)
- [Atlas classifications drive Ranger policies](#)
- [Creating a classification from Asset Details](#)
- [Creating a classification from Search page](#)

## Propagated asset tagging

Cloudera Data Catalog supports the concept of propagated tags. This feature is derived from Apache Atlas.

Whenever you add a new tag in Atlas, you can mark them as propagated and use those tags accordingly while tagging assets.

Data Catalog / Asset Details

The screenshot displays the 'employee1' asset details in Cloudera Data Catalog. The interface is divided into several sections:

- Properties:** Lists metadata for a HIVE TABLE, including 4 columns, data lake, datasets, owner, creation and last access times, table type (EXTERNAL\_TABLE), database (default), and parent (default).
- Qualifiers:** Shows the qualified name 'default.employee1@cm' and options to add comments or descriptions.
- Classifications:** Displays four tags: 'test\_tag1', 'test\_tag', 'dp\_email', and 'dp'. A legend indicates 'Managed' (blue), 'System' (purple), and 'Propagated' (orange) status.
- Lineage:** A diagram showing the data flow from a parent asset '/warehouse/tables...' to 'employee1' and then to 'employee2'.
- Profilers:** Lists two profilers: 'Cluster Sensitivity Profiler' (last run 21 mins ago, status SUCCESS) and 'Hive Column Profiler' (last run - , status NA).

A 'Feedback' button is visible on the right side of the interface.

For example, consider table1 as a parent asset and table2 as a child asset. Create a tag and mark that tag as propagated, and later apply the same tag to table1. The tag gets applied to table2 as well. Propagated tag works on the basis of parent -> child tagging relationship.

employee2

Properties

Type: HIVE TABLE

# of Columns: 4

Data Lake:

Datasets: 0

Owner:

Created On: Mon Mar 15 2021 15:01:11 GMT+0530 (India Stan...

Last Access Time: Mon Mar 15 2021 15:01:11 GMT+0530 (Indi...

Table Type: MANAGED\_TABLE

Database: default

DB Catalog:

Parent: default

Qualified Name

default.employee2@cm

Comment

+ Add Comment

Description

+ Add Description

Profilers | 2

Cluster Sensitivity Profiler

Last run: - | Status: NA

Next Schedule Run: Today at 3:50 PM

Run

Hive Column Profiler

Last run: - | Status: NA

Next Schedule Run: Today at 5:30 PM

Run

Classifications | 4

test\_tag1

test\_tag

dp\_email

dp

Managed

System

Propagated

Overview

Schema

Metadata Audits

Policy


Access Audits


Lineage

/warehouse/tables...

employee1

employee2

 **Note:** When you delete or remove the propagated tag from the parent asset, the same tag is removed from all the child assets.

 **Attention:** The propagated tag concept is not supported with child -> parent relationships.

**Related Information**  
[Propagating classifications through lineage](#)

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