

Support for CDP Private Cloud Base clusters in Data Catalog (Preview)

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Support for CDP Private Cloud Base clusters in Data Catalog

Data Catalog now supports discovering and profiling assets that reside in CDP Private Cloud Base clusters. With this functionality, you can now discover assets not just in your Public Cloud data lakes, but also your Private Cloud Base clusters from a single location inside the Data Catalog. Note how this enables hybrid cloud capabilities in the CDP platform. For more information, see [CDP Private Cloud Base clusters](#).

Atlas and Ranger services must be available on the registered CDP Private Cloud Base clusters. Data Catalog queries Atlas and Ranger running on these clusters. The **Asset Details** page provides information about the profiled data.

Pre-requisites

Make sure to note the following:

- Make sure you use **7.1.4 or higher** versions of CDP Private Cloud Base clusters. For more information, see [Release Summaries](#).
- Register your CDP Private Cloud Base clusters on the **Management Console** using the Classic Clusters registration procedure. For more information, see [Adding CDP Private Cloud Base cluster for use in Replication Manager and Data Catalog](#).
- Make sure the LDAP user used for registration of Private Cloud Base cluster in classic cluster has the admin role in Ranger and also has permission to view resource-based policies, tag based policies, and Ranger audit. Also make sure this user has **read/create/update/delete** permissions on all Atlas entities and **add/update/delete** permissions on all Atlas classifications through the Ranger policy.
- Make sure that your account has been granted the entitlement -> **DATA_CATALOG_ENABLE_CDP_PRIVATE_CLOUD_BASE**. Once the entitlement is enabled, you must be able explore all the registered CDP Private Cloud Base clusters.

Attention: This feature is under entitlement. Contact your Cloudera account representative to activate this feature in your CDP environment.

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Note: Since the profiler support is not yet available on Classic Clusters, data can be browsed without running any profilers.

Exploring CDP Private Cloud Base cluster in Data Catalog

Data Catalog is a service within Cloudera Data Platform that enables you to understand, manage, secure, and govern data assets across the enterprise. Data Catalog helps you understand data across multiple clusters and across multiple CDP environments. You can search to locate relevant data of interest based on various parameters. Using Data Catalog, you can understand how data is interpreted for use, how it is created and modified, and how data access is secured and protected.

Important: There is no automatic login access to Atlas and Ranger services from Data Catalog for Private Cloud Base cluster. Clicking on the Atlas or Ranger link from Data Catalog will prompt you to enter login credentials. Use LDAP user credentials to proceed further.

By selecting the CDP Private Cloud Base cluster as a data lake, you can:

- Discover data assets in the data lake. For more information, see [Search for Assets](#).
- Asset Detail page functionality
- Tag management functionality

Attention: The credentials of the user you provided when registering the Pvt Cloud base cluster are used for authenticating to the Private Cloud Base cluster services like Atlas and Ranger. The logged in user's credentials are not used. Logged in user (of **Management Console**) authorisation is not applied.