

Connecting to Data

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Connecting to a data source in Cloudera Data Visualization

Data Visualization allows you to create connections to many types of external data sources, enhancing your data analysis and visualization capabilities.

Data Visualization currently supports the following connection types:

- Hive
- Impala
- MariaDB
- MySQL
- PostgreSQL
- Solr [Technical Preview]
- Spark SQL
- SQLite (not supported in CDW)
- Snowflake [Technical Preview]

This range of supported connection types provides flexibility and versatility in connecting to various data sources for comprehensive data analysis.

When using Data Visualization with Cloudera Data Warehouse (CDW), the data connection is automatically set up, but you can connect to various other data sources as well to suit your specific requirements.

In Cloudera Machine Learning (CML), you can connect to an Impala or a Hive data warehouse, or tie in data from predictive CML models.

Related Information

[Connections](#)

[Datasets](#)

[Data modeling](#)

Creating a CML data connection to Impala

Learn how to connect natively to data stored in Impala when using Data Visualization in Cloudera Machine Learning (CML).

About this task

Before you start using data modeling and visualization functions, you must connect to your data. The following steps show you how to create a new CML data connection in Cloudera Data Visualization (CDV) to an Impala data warehouse.



Note:

You must have the Manage data connections privilege or be an admin to be able to create and manage connections in Cloudera Data Visualization.

Setting user privileges requires administrator-level access. You can log in as an administrator using the default admin account with the following credentials:

- Username: vizapps_admin
- Password: vizapps_admin

When you create a connection, you automatically get privileges to create and manage the associated datasets. You can also build dashboards and visuals within these datasets.

- For more information on the Manage data connections privilege, see *RBAC permissions*.
- For instructions on how to define privileges for a specific role, see *Setting role privileges*.
- For instructions on how to assign the administrator role to a user, see *Promoting a user to administrator*.

Before you begin

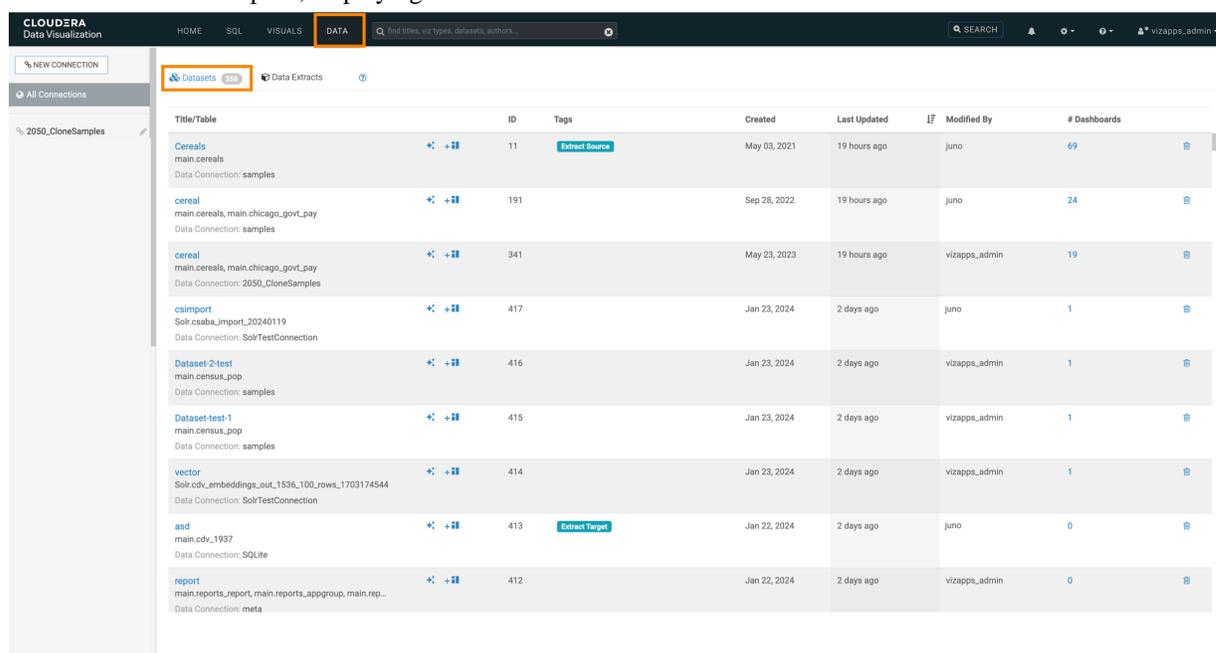
If you are using a CDP Base cluster running Impala with Kerberos for authentication, make sure that Kerberos credentials are configured in CML before creating a CML data connection to the Impala data warehouse. This ensures seamless integration and authentication between CDV and the Impala cluster. If you add Kerberos credentials after launching the CDV app, you need to restart the app for the changes to take effect.

For more information on using Kerberos for authentication in CML, see *Hadoop Authentication for ML Workspaces*.

Procedure

1. On the main navigation bar, click DATA.

The DATA interface opens, displaying the Datasets tab.



Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. On the side menu bar, click NEW CONNECTION.



Note: Only users with Manage data connections privilege or administrators can access the NEW CONNECTION button.

The screenshot shows the Cloudera Data Visualization interface. The top navigation bar includes 'HOME', 'SQL', 'VISUALS', and 'DATA'. A search bar is present with the placeholder text 'find titles, viz types, datasets, authors...'. The left sidebar contains a 'NEW CONNECTION' button (highlighted with an orange box) and a list of connections, including '2050_CloneSamples'. The main content area displays a table of datasets under the 'DATA' tab.

Title/Table	ID	Tags
Cereals main.cereals Data Connection: samples	11	Extract Source
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191	
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341	
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417	

The Create New Data Connection modal window appears.

3. Choose Impala from the Connection type drop-down list and assign a name to your connection.

Create New Data Connection ✕

Connection type

Connection name

Basic **Advanced** **Parameters** **Data**

Hostname or IP address

Port #

Credentials

Username

Password

In this example, the Impala connection is made through Knox. Knox always uses TLS encryption and port 443 is the default HTTPS port.

4. Enter the hostname or IP address of the running coordinator.
You can retrieve this information from the JDBC URL of the Impala DW.
5. Add 443 in the Port # field.
6. Enter your workload username and password as credentials.

- Click the Advanced tab to configure additional details.

Create New Data Connection
✕

Connection type

Connection name

Impala

doc-test

Basic
Advanced
Parameters
Data

Connection mode

HTTP Path

Socket type

Authentication mode

Socket Timeout

Impersonation

Trusted Impersonation

Application Name

Binary HTTP

SQL path (default cliservice)

Normal SSL SSL with certificate

NoSasl Plain LDAP Kerberos

60

Enabled

Enabled

viz

TEST

CONNECT

- For HTTP connection mode, locate the Impala Endpoint for the Data Hub.

Name	URL
CM-API	https://jingalls-test-dm-gateway.euph-aw.a465-9q4k.cloudera.site/jingalls-test-dm/cdp-proxy-api/cm-api/
Impala	https://jingalls-test-dm-gateway.euph-aw.a465-9q4k.cloudera.site/jingalls-test-dm/cdp-proxy-api/impala/
Impala	jdbc:impala://jingalls-test-dm-gateway.euph-aw.a465-9q4k.cloudera.site:443/?ssl=1;transportMode=http;httpPath=jingalls-test-dm/cdp-proxy-api/impala;AuthMech=3;

- Copy and paste it into the HTTP Path field.

- c) Set any additional details as required.

- 8. Check the Parameters and Data tabs for more configuration options.

Create New Data Connection ✕

Connection type

Connection name

Basic Advanced **Parameters** Data

Parameter Name	Parameter Value	
Add new row		

Create New Data Connection ✕

Connection type

Connection name

Basic Advanced Parameters **Data**

Concurrency

Concurrency Per User

Query Timeout (Minutes)

Query Still Loading Warning (Seconds)

Row upload limit

Result Cache Enabled

Cache Retention Time (seconds)

9. Once you finish configuring the settings, click TEST to check the connection.

10. Click CONNECT to establish the connection.

Results

You have successfully set up a connection to a running Impala DW.

Related Information

[RBAC permissions](#)

[Setting role privileges](#)

[Promoting a user to administrator](#)

[Hadoop Authentication for ML Workspaces](#)

Creating a CML data connection to a Hive data warehouse

Learn how to connect natively to data stored in Hive when using Data Visualization in Cloudera Machine Learning (CML).

About this task

Before you start using data modeling and visualization functions, you must connect to your data. The following steps show you how to create a new CML data connection in Cloudera Data Visualization (CDV) to a Hive data warehouse.

**Note:**

You must have the Manage data connections privilege or be an admin to be able to create and manage connections in Cloudera Data Visualization.

Setting user privileges requires administrator-level access. You can log in as an administrator, using the default admin account with the following credentials:

- Username: vizapps_admin
- Password: vizapps_admin

When you create a connection, you automatically get privileges to create and manage the associated datasets. You can also build dashboards and visuals within these datasets.

- For more information on the Manage data connections privilege, see *RBAC permissions*.
- For instructions on how to define privileges for a specific role, see *Setting role privileges*.
- For instructions on how to assign the administrator role to a user, see *Promoting a user to administrator*.

Before you begin

If you are using a CDP Base cluster running Hive with Kerberos for authentication, make sure that Kerberos credentials are configured in CML before creating a CML data connection to the Hive data warehouse. This ensures seamless integration and authentication between CDV and the Hive cluster. If you add Kerberos credentials after launching the CDV app, you need to restart the app for the changes to take effect.

Procedure

1. On the main navigation bar, click DATA.

The DATA opens, displaying the Datasets tab.

The screenshot shows the Cloudera Data Visualization interface. The top navigation bar includes 'HOME', 'SQL', 'VISUALS', and 'DATA'. The 'DATA' tab is active, and the 'Datasets' view is selected. The left sidebar contains a 'NEW CONNECTION' button, which is highlighted with an orange box. Below it, there are sections for 'All Connections' and a specific connection named '2050_CloneSamples'. The main content area displays a table of datasets with columns: Title/Table, ID, Tags, Created, Last Updated, Modified By, and # Dashboards. The table lists several datasets, including 'Cereals', 'cereal', 'csimport', 'Dataset-2-test', 'Dataset-test-1', 'vector', 'asd', and 'report'.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. On the side menu bar, click NEW CONNECTION.



Note: The NEW CONNECTION button is only accessible to users assigned to roles with the Manage data connections privilege and to administrators.

The screenshot shows the Cloudera Data Visualization interface with the 'NEW CONNECTION' modal window open. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The 'NEW CONNECTION' button in the left sidebar is highlighted with an orange box. The modal window contains buttons for 'NEW DATASET' and 'ADD DATA'. Below these buttons, there are tabs for 'Datasets' and 'Connection Explorer'. The 'Datasets' tab is active, showing a table of datasets with columns: Title/Table, ID, and Created. The table lists datasets such as 'Test Dataset', 'Food Stores Inspection in NYC', 'Cereals', 'Earthquake Data January 2019', and 'World Life Expectancy'.

Title/Table	ID	Created
Test Dataset main.census_pop	13	Dec 08, 2021
Food Stores Inspection in NYC main.retail_food_store_inspections_current_critical_vio...	12	Nov 22, 2021
Cereals main.cereals	11	Nov 22, 2021
Earthquake Data January 2019 main.earthquake_data2019	10	Nov 22, 2021
World Life Expectancy main.world_life_expectancy	9	Nov 22, 2021

The Create New Data Connection modal window appears.

3. Choose Hive from the Connection type drop-down list and assign a name to your connection.

Create New Data Connection ✕

Connection type

Connection name

Basic **Advanced** **Parameters** **Data**

Hostname or IP address

Port #

Credentials

Username

Password

4. Enter the hostname or IP address of the running coordinator.
You can get the coordinator hostname from the JDBC URL of the Hive DW.
5. Use port 443.
6. Enter your workload username and password as credentials.

7. Click the Advanced tab to configure the additional details.

Create New Data Connection ✕

Connection type

Connection name

Basic **Advanced** Parameters Data

Connection mode Binary HTTP

HTTP Path

Access Token

Socket type Normal SSL SSL with certificate

Authentication mode NoSasl Plain LDAP Kerberos

Socket Timeout

Impersonation Enabled

Trusted Impersonation Enabled

Application Name

- Click the Parameters tab and set the `hive.server2.async.exec.async.compile` parameter to false.

Create New Data Connection ✕

Connection type

Connection name

Basic Advanced **Parameters** Data

Parameter Name	Parameter Value	
hive.server2.async.exec.async.compile	false	
Add new row		

9. Check the Data tab for more configuration options.

Create New Data Connection ✕

Connection type

Connection name

Basic Advanced Parameters **Data**

Concurrency

Concurrency Per User

Query Timeout (Minutes)

Query Still Loading Warning (Seconds)

Row upload limit

Result Cache Enabled

Cache Retention Time (seconds)

10. Once you finish configuring the settings, click TEST to test the connection.

11. Click CONNECT to establish the connection.

Results

You have successfully set up a connection to a running Hive DW.

Related Information

[RBAC permissions](#)

[Setting role privileges](#)

[Promoting a user to administrator](#)

Creating a CDW data connection in Data Visualization

Learn how to connect to data when using Cloudera Data Visualization in Cloudera Data Warehouse (CDW) data service. You can connect Data Visualization to a Virtual Warehouse to visualize your data. Similar to using a BI client, you can configure and connect to Virtual Warehouses from different clusters.

About this task

You must connect to your data prior to using the data modeling and visualization functions. You make the connection to the Virtual Warehouse when you select your warehouse in the steps below. The CDW Warehouse URL has the same compute instance ID as your Virtual Warehouse.



Note:

To create and manage connections in Cloudera Data Visualization, you must have the Manage data connections privilege or hold administrative privileges. In CDW, these are the members of the Admin Groups associated with the CDV instance.

When you create a connection, you automatically gain privileges to create and manage datasets associated with this connection, and to build dashboards and visuals within these datasets.

- For more information on the Manage data connections privilege, see *RBAC permissions*.
- For instructions on how to define privileges for a specific role, see *Setting role privileges*.
- For instructions on how to assign the administrator role to a user, see *Promoting a user to administrator*.

When you are creating a Hive or Impala data connection within the same cluster, the connection is considered secure and trusted, and the connection details can be auto-populated with a default authentication user.

Procedure

1. Start Data Visualization from the left navigation panel in CDW.
2. On the main navigation bar, click DATA.

The DATA interface appears, open on the Datasets tab.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
aad main.cdv_1927 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

3. In the side menu bar of DATA, click NEW CONNECTION.



Note: The NEW CONNECTION button is only accessible to users assigned to roles with the Manage data connections privilege and to administrators.

The screenshot shows the Cloudera Data Visualization interface. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The 'DATA' tab is active, and a search bar is present. In the left sidebar, the 'NEW CONNECTION' button is highlighted with an orange box. Below it, there are sections for 'All Connections' and 'samples'. The main content area shows a 'NEW DATASET' and 'ADD DATA' button, followed by a 'Datasets' section with a 'Connection Explorer' link. A table lists several datasets with columns for 'Title/Table', 'ID', and 'Created'.

Title/Table	ID	Created
Test Dataset main.census_pop	13	Dec 08, 2021
Food Stores Inspection in NYC main.retail_food_store_inspections_current_critical_vio_...	12	Nov 22, 2021
Cereals main.cereals	11	Nov 22, 2021
Earthquake Data January 2019 main.earthquake_data2019	10	Nov 22, 2021
World Life Expectancy main.world_life_expectancy	9	Nov 22, 2021

The **Create New Data Connection** modal window appears.

4. In Connection type, select CDW Hive or CDW Impala, and provide a name for your connection.



Note: SQLite connection is not supported in CDW, and the option is disabled in the connection list.

Create New Data Connection
✕

Connection type

CDW Hive ▾

Connection name

doc-test

Basic
Advanced
Parameters
Data

Hostname or IP address

Enter IP address of the server where your data resides
(example: prod_db.yourcompany.com or 10.0.1.20)

Port #

443

Credentials

Username

Password

.....

TEST

CONNECT

5. Select a CDW Warehouse to connect to.

For Data connection within the same cluster

The following fields are auto-populated:

- Hostname or IP address
- Port #
- Username

For Data connection outside the cluster

Enter the following information:

- Hostname or IP address
- Port #
- Username
- Password

6. Click the Advanced tab and configure the additional details.



Important: Depending on the type of connection you are creating, there can be additional tabs in the Create New Data Connection modal window where you have to adjust further settings.

7. Click TEST.

If the connection is valid, the system returns a Connection Verified message.

8. Click CONNECT.

What to do next

You can create a data set, and then start creating visuals, dashboards, and applications. For more information, see *Creating datasets* and *Creating a visual*.

Related Information

[RBAC permissions](#)

[Setting role privileges](#)

[Promoting a user to administrator](#)

[Creating datasets](#)

[Creating a visual](#)

Creating a CDSW data connection to a data warehouse

Learn how to connect natively to data stored in a data warehouse when using Data Visualization in Cloudera Data Science Workbench (CDSW).

About this task

You must connect to your data prior to using the data modeling and visualization functionalities. The following steps show you how to create a new CDSW data connection to a running Impala system.



Note:

To create and manage connections in Cloudera Data Visualization, you must have the Manage data connections privilege or hold administrative privileges.

Setting user privileges requires administrator-level access. To log in as an administrator, you can use the default admin account with the following credentials:

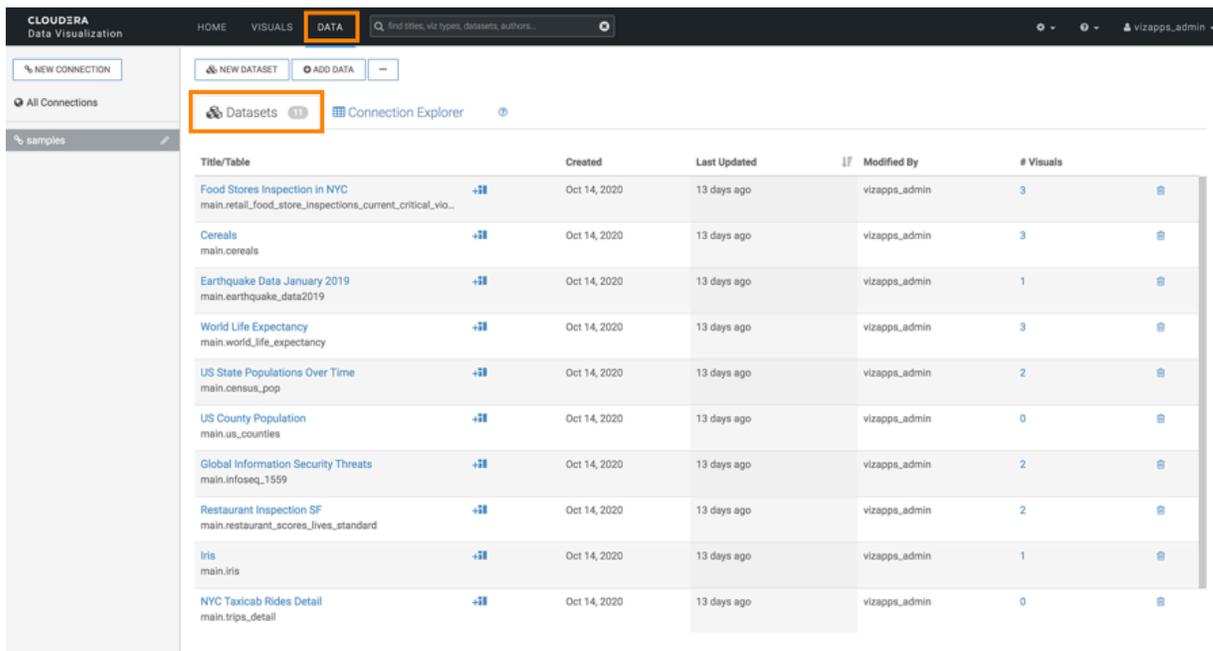
- Username: vizapps_admin
- Password: vizapps_admin

When you create a connection, you automatically gain privileges to create and manage datasets associated with this connection, and to build dashboards and visuals within these datasets.

- For more information on the Manage data connections privilege, see *RBAC permissions*.
- For instructions on how to define privileges for a specific role, see *Setting role privileges*.
- For instructions on how to assign the administrator role to a user, see *Promoting a user to administrator*.

Procedure

1. On the main navigation bar, click DATA.
The DATA interface appears, open on the Datasets tab.



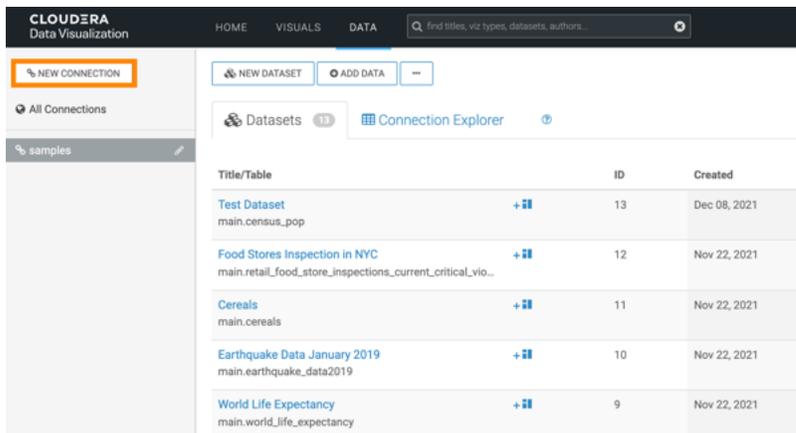
The screenshot shows the Cloudera Data Visualization interface. The top navigation bar has 'HOME', 'VISUALS', and 'DATA' (highlighted with an orange box). Below the navigation bar, there are buttons for 'NEW CONNECTION', 'NEW DATASET', and 'ADD DATA'. The 'Datasets' tab is selected and highlighted with an orange box. The main content area displays a table of datasets with the following columns: Title/Table, Created, Last Updated, Modified By, and # Visuals.

Title/Table	Created	Last Updated	Modified By	# Visuals
Food Stores Inspection in NYC main.retail_food_store_inspections_current_critical_vio...	Oct 14, 2020	13 days ago	vizapps_admin	3
Cereals main.cereals	Oct 14, 2020	13 days ago	vizapps_admin	3
Earthquake Data January 2019 main.earthquake_data2019	Oct 14, 2020	13 days ago	vizapps_admin	1
World Life Expectancy main.world_life_expectancy	Oct 14, 2020	13 days ago	vizapps_admin	3
US State Populations Over Time main.census_pop	Oct 14, 2020	13 days ago	vizapps_admin	2
US County Population main.us_counties	Oct 14, 2020	13 days ago	vizapps_admin	0
Global Information Security Threats main.infoseq_1559	Oct 14, 2020	13 days ago	vizapps_admin	2
Restaurant Inspection SF main.restaurant_scores_lives_standard	Oct 14, 2020	13 days ago	vizapps_admin	2
Iris main.iris	Oct 14, 2020	13 days ago	vizapps_admin	1
NYC Taxicab Rides Detail main.trips_detail	Oct 14, 2020	13 days ago	vizapps_admin	0

2. In the Data side menu bar, click NEW CONNECTION.



Note: The NEW CONNECTION button is only accessible to users assigned to roles with the Manage data connections privilege and to administrators.



The screenshot shows the Cloudera Data Visualization interface with the 'NEW CONNECTION' button highlighted in the left sidebar. The main content area displays a table of datasets with the following columns: Title/Table, ID, and Created.

Title/Table	ID	Created
Test Dataset main.census_pop	13	Dec 08, 2021
Food Stores Inspection in NYC main.retail_food_store_inspections_current_critical_vio...	12	Nov 22, 2021
Cereals main.cereals	11	Nov 22, 2021
Earthquake Data January 2019 main.earthquake_data2019	10	Nov 22, 2021
World Life Expectancy main.world_life_expectancy	9	Nov 22, 2021

The Create New Data Connection modal window appears.

3. Select a Connection type from the drop-down list, and provide a name for the connection.
4. Enter the hostname or IP address of the running coordinator.
5. Under Port #, enter the port number.
6. Use your workload username and password as credentials.
7. Click the Advanced tab and make the appropriate selections.



Important: Depending on the type of connection you are creating, there can be additional tabs in the Create New Data Connection modal window where you have to adjust further settings.

8. Click TEST.

If the connection is valid, the system returns a Connection Verified message.

9. Click CONNECT.

Results

You have set up a connection to a running data warehouse.

Related Information

[RBAC permissions](#)

[Setting role privileges](#)

[Promoting a user to administrator](#)

Managing data connections

You can change the properties of existing data connections and you can also delete connections that are not associated with any dataset.

Editing a data connection

Learn how to edit a data connection in Cloudera Data Visualization.

About this task

The following steps demonstrate how to edit existing data connections. The example shows changing an Impala connection to a Hive connection.

Procedure

1. On the main navigation bar, click DATA.

The Data view appears, open on the Datasets tab.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1997 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. In the side bar, click the Edit button to the right of the connection you want to change.

The Edit Data Connection modal window appears.

3. Edit the connection details according to the connection type change you want to implement.

In this example, an Impala connection is changed to a Hive connection.

Edit Data Connection

Connection type	Impala ▼
Connection name	ImpalaConnection

Basic **Advanced** Parameters Cache

Hostname or IP address	10.02.40 <small>(example: prod_db.yourcompany.com or 10.0.1.20)</small>
Port #	21050

Credentials

Username	admin
Password

TEST	CANCEL	DELETE CONNECTION	SAVE
------	--------	-------------------	------

Edit Data Connection

Connection type

Connection name

Basic **Advanced** Parameters Cache

Hostname or IP address
(example: prod_db.yourcompany.com or 10.0.1.20)

Port #

Credentials

Username

Password

Connection Verified! ×

4. At the bottom of the modal, click TEST.
5. If the connection is verified, click SAVE.

Results

After the operation succeeds, the name of the new type of connection appears on the side navigation bar.

Setting concurrency for a data connection

You can improve resource management in Cloudera Data Visualization by restricting the number of simultaneous connections on specific datasets.

About this task



Note: This setting is only applicable to Impala, Hive, and SQLite connections.

Procedure

1. Open the Edit Data Connection modal.
For more information, see *Editing a data connection*.
2. Click the Data tab.
3. In the Concurrency field, provide a number to set the maximum limit for simultaneous requests.



Note: The default maximum concurrency setting per connection is 100. You can change it to a different value in Site Settings Advanced Settings . If you change the default value, ensure that the new maximum concurrency aligns with the requirements of your data connection.

```
DATACONNECTION_CONCURRENCY_DEFAULT = 100  
DATACONNECTION_CONCURRENCY_MAX = 100
```

4. In the Concurrency Per User field, provide a number to limit the maximum number of simultaneous requests a user can send.



Note: You can use this setting to prevent a single user from blocking access for a connection. The default concurrency setting per user is 5, with a default maximum concurrency setting per user at 100. You can adjust these values in Site Settings Advanced Settings .

```
DATACONNECTION_CONCURRENCY_USER_DEFAULT = 5  
DATACONNECTION_CONCURRENCY_USER_MAX = 100
```

5. Click SAVE to apply the changes.

Edit Data Connection ✕

Connection type SQLite ▾

Connection name samples

Basic **Data**

Concurrency ⓘ 30

Concurrency Per User ⓘ 5

Query Timeout (Minutes) ⓘ 50

Query Still Loading Warning (Seconds) 1

Row upload limit ⓘ 10000

Result Cache Enabled

Cache Retention Time (seconds) 8000000

TEST **CLONE** **DELETE CONNECTION** **SAVE**

Related Information

[Editing a data connection](#)

Setting a warning if the query loads for too long

A data connection admin user can set the time limit for every connection before a warning is shown when data is loaded through a query.

About this task

For more information on creating or editing data connections, see *Connection to a data source* and *Editing a data connection*.

Procedure

1. Select the Data tab in the Data Connection modal.
2. Enter the number of seconds you want to pass before the warning appears in Query Still Loading Warning (Seconds).

The screenshot shows the 'Data' tab of a configuration modal. It contains several settings, each with an information icon (i) and a corresponding input field:

Basic	Advanced	Parameters	Data
			Concurrency ⓘ
			10
			Concurrency Per User ⓘ
			5
			Query Timeout (Minutes) ⓘ
			10
			Query Still Loading Warning (Seconds) ⓘ
			20
			Row upload limit ⓘ
			1000000
			Result Cache <input type="checkbox"/> Enabled
			Cache Retention Time (seconds)
			86400

It is also possible to have this message appear when viewing a dashboard, see *Dashboards*.

Related Information

[Dashboards](#)

[Connecting to a data source in Cloudera Data Visualization](#)

[Editing a data connection](#)

Deleting a data connection

Learn how you can remove an existing data connection in Cloudera Data Visualization.

About this task



Tip: You can only delete connections that are not associated with any datasets. To learn how to delete datasets, see *Deleting datasets*.

Procedure

1. On the main navigation bar, click DATA.

The Data view appears, open on the Datasets tab.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_gov_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_gov_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Sofl.csaba_import_20240119 Data Connection: SoliTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Sofl.cdv_embeddings_ovl_1536_100_rows_1703174544 Data Connection: SoliTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. In the side bar, click the Edit Connection (pencil) button to the right of the connection you want to delete.

The Edit Data Connection modal window appears.

3. At the bottom of the Edit Data Connection modal window, click DELETE CONNECTION.

Edit Data Connection

Connection type

Connection name

Basic **Advanced** Parameters Cache

Hostname or IP address
(example: prod_db.yourcompany.com or 10.0.1.20)

Port #

Credentials

Username

Password

Results

After the operation succeeds, the connection is deleted and its name no longer appears on the side navigation bar.

Related Information

[Deleting datasets](#)

Using the Connection Explorer

Cloudera Data Visualization enables you to view existing data connections and all data tables accessible through them. In the Connection Explorer interface, you can create new connections to data sources, preview that data, create

new datasets, navigate to these datasets, import supplemental data, and locate existing dashboards and visuals based on specific datasets.

Discovering the Connection Explorer interface

Learn how you can navigate to the Connection Explorer interface and use it to connect to data in Cloudera Data Visualization.

Procedure

1. On the main navigation bar, click DATA.

The Data view appears, open on the Datasets tab. The Datasets tab lists all existing datasets on the connection.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago.govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago.govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. In the main area, click the Connection Explorer tab.

Title/Table	ID	Created
Test Dataset main.census_pop	13	Dec 08, 2021
Food Stores Inspection in NYC main.retail_food_store_inspections_current_critical_vio...	12	Nov 22, 2021
Cereals main.cereals	11	Nov 22, 2021
Earthquake Data January 2019 main.earthquake_data2019	10	Nov 22, 2021
World Life Expectancy main.world_life_expectancy	9	Nov 22, 2021

The Connection Explorer interface appears, where you can explore the databases and tables available on the connection and you can also manage all functions related to the data on the connection. You can click a

connection in left navigation that you want to explore and select a database. You can also select a specific table from that database, and explore its details.

The Connection Explorer interface contains the following items:

- New Connection is for connecting to any source of data.
- New Dataset is for creating datasets, which are necessary for developing dashboards and visuals. You can also start a new dataset from a specified table.
- For SQLite connections, the Add Data option enables you to introduce data that enriches your datasets from outside sources.
- The Supplemental menu, under the (ellipsis) icon, opens new options.
 - a. For Impala connections, clicking the Clear result cache option under the supplemental menu reloads the full table definition.
 - b. Import Visual Artifacts option under the supplemental menu enables you to restore or import visual artifacts from a backup *.json file.
 - c. Direct Access enables you to access data directly by running SQL queries. You can build datasets from specific SQL queries, as opposed to starting with an existing table.

- The databases area of the screen shows all databases that you can access through the current connection. In our example, there is one called main (selected). Selecting a database shows its tables.
- In the list of tables, the # Datasets column lists the number of datasets that use the particular table as their initial definition.
- New Dataset is for creating a dataset on a specific table.

Previewing data table details

Learn how you can preview table details directly in the Connection Explorer interface.

To see more information about data tables in the Connection Explorer, click the row of a table. When you click a row, two tabs, Sample Data and Datasets appear below the list of tables.

Sample data

When you click a table, you can preview the table data in the Sample Data view.

The screenshot shows the Cloudera Data Visualization interface. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The main area is divided into a left sidebar with 'NEW CONNECTION' and 'All Connections', and a main content area. The main content area shows a tree view of databases, with 'main' selected. Below the tree view, a table lists tables and their corresponding number of datasets. The 'iris' table is selected, and the 'Sample Data' tab is active, displaying a table of data for the 'iris' table.

Table Name	# Datasets	
census_pop	1	New dataset
cereals	1	New dataset
chicago_govt_pay	0	New dataset
earthquake_data2019	1	New dataset
generalTestForExploreCall	0	New dataset
generaltest_1516160078	0	New dataset
infoseq_1559	1	New dataset
iris	1	New dataset

id	name	age	cost	debt	altname	favoriteanimal	heartrate
1	austen	21	10000	0	a-dog	horse	71
2	trevor	33	203	30	t-money	cat	82
3	nathaniel	22	393	845.84	nate	dog	56
4	james	34	456	944.23	j-dog	seagul	99
5	jake	31	543	23.45	nate	dog	87
6	john	22	34	34.4	nate	dog	66

Showing 1 - 6 of 6 rows

Datasets

When you click a table, you can check the following data in the Datasets view:

- Title/Table
- Created date
- Last Updated date
- Modified by username
- # Visuals for a link to the dashboards and visuals based on the dataset.

You can also perform the following actions:

- Navigate directly to the dataset interface, where you can rename the dataset, modify fields and other parameters, create joins, and so on.
- Start a new dashboard based on the dataset.
- Order datasets based on any of the table columns.
- Delete datasets.

The screenshot shows the Cloudera Data Visualization interface. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The 'DATA' page is active, displaying a search bar and a list of connections. The 'main' connection is selected, showing a list of datasets. Below the dataset list, a 'Sample Data' section is highlighted with an orange border, showing a table with the following data:

Title/Table	Created	Last Updated	Modified By	# Visuals
Earthquake Data January 2019 main.earthquake_data2019	Oct 14, 2020	13 days ago	vizapps_admin	1

Using the Direct Access interface

The Direct Access interface of Cloudera Data Visualization enables you to run SQL queries on data connections directly on the DATA page. You can quickly examine the structure of tables that are available on the connection, build a query using standard SQL syntax, preview its results, and then create a dataset on the query. You can also download the data, if needed.

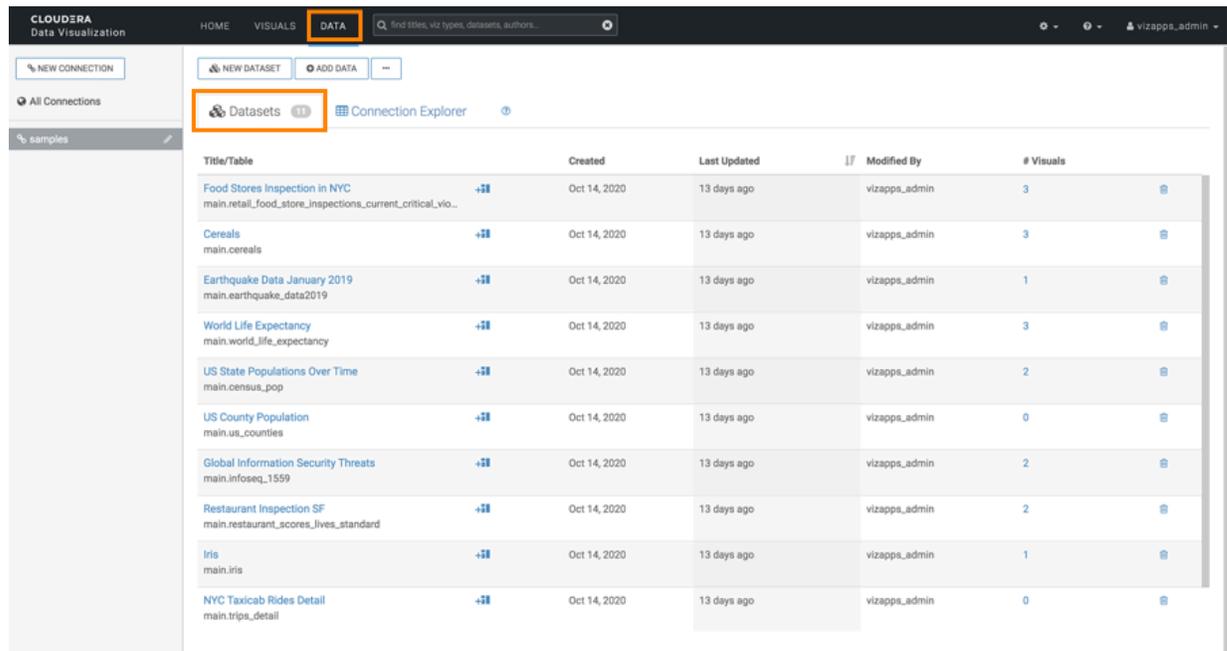
Running a SQL query in Direct Access

Learn how you can run a SQL query in the Direct Access interface of Cloudera Data Visualization.

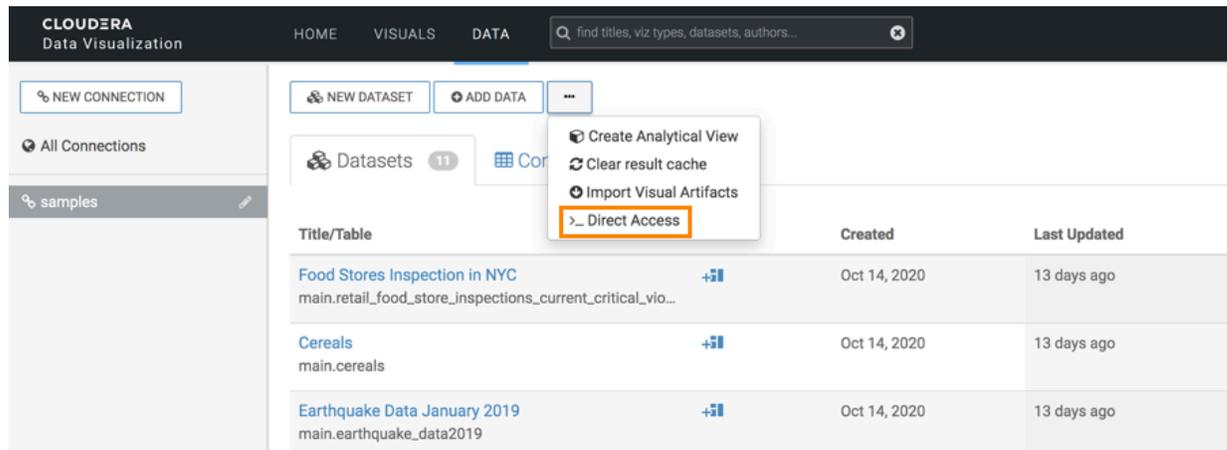
Procedure

1. On the main navigation bar, click DATA.

The DATA view appears, open on the Datasets tab.



2. Open the Supplemental menu (ellipsis icon) and click >_ Direct Access.



The Direct Access interface appears, where you can select the database you want to access.

3. Add your SQL data query to the Enter SQL below code-enabled text box.

The Autocomplete option is on by default. It validates the syntax of the SQL query you enter.

If you want to limit the number of, you have two options:

- You can add a limit clause in the SQL query syntax.
- You can mark the Add in a "LIMIT 100" clause to any SQL select query that does not have a limit clause option. This limitation is on by default. If you set a record limit in the SQL query, it will override this default option, even if it is checked.

Data Connection: samples

Database: Enter SQL below

Tables:

- restaurant_scores_lives...
- retail_food_store_inspe...
- superstore_sales
- trips
- trips_detail
- us_counties
- world_life_expectancy

Autocomplete on

Add in a "LIMIT 100" clause to any SQL select query that does not have a limit clause

4. Click RUN to execute the SQL query.

After the query executes, the results area shows the query results.

In this example, the following query has been run: `select * from main.us_counties limit 5`

Data Connection: samples

Database: Enter SQL below

Tables:

- restaurant_scores_lives...
- retail_food_store_inspe...
- superstore_sales
- trips
- trips_detail
- us_counties
- world_life_expectancy

Autocomplete on

Add in a "LIMIT 100" clause to any SQL select query that does not have a limit clause

Number of rows in CSV:

select * from main.us_counties limit 5

sumlev	state	county	stname	ctyname	year	agegrp	tot_pop	tot_male	tot_female	wa_male	wa_female	ba_male	ba_female	ia_male	ia_female	aa_male
50	51	149	Virginia	Prince George County	5	0	36941	20368	16573	12155	10721	7230	4763	171	98	254
50	51	153	Virginia	Prince William County	5	0	430289	213820	216469	141918	138857	44291	47256	2453	2331	16249
50	51	155	Virginia	Pulaski County	5	0	34736	17284	17452	15915	16222	959	866	35	37	93
50	51	157	Virginia	Rappahannock County	5	0	7456	3694	3762	3420	3496	181	171	5	13	19
50	51	159	Virginia	Richmond County	5	0	9059	5066	3993	3138	2925	1799	961	24	15	31

Showing 1 - 5 of 5 rows



Note: If there is a error in the query the line number with the error will be displayed if the database returns it.

Downloading the results of a Direct Access query

After obtaining query results in the Direct Access interface, you can download the records in CSV format.

You can download the results in CSV format, by clicking **DOWNLOAD CSV**. The system saves the CSV file to your default download directory.

If you only want to download a subset of the query results, you can specify the Number of rows in CSV. This will limit the number of records in the CSV file.

Data Connection: samples

Database: Enter SQL below

Tables: restaurant_scores_lives..., retail_food_store_inspe..., superstore_sales, trips, trips_detail, us_counties, world_life_expectancy

Add in a "LIMIT 100" clause to any SQL select query that does not have a limit clause

select * from main.us_counties limit 5

sumlev	state	county	stname	ctyname	year	agegrp	tot_pop	tot_male	tot_female	wa_male	wa_female	ba_male	ba_female	ia_male	ia_female	aa_male
50	51	149	Virginia	Prince George County	5	0	36941	20368	16573	12155	10721	7230	4763	171	98	254
50	51	153	Virginia	Prince William County	5	0	430289	213820	216469	141918	138857	44291	47256	2453	2331	16249
50	51	155	Virginia	Pulaski County	5	0	34736	17284	17452	15915	16222	959	866	35	37	93
50	51	157	Virginia	Rappahannock County	5	0	7456	3694	3762	3420	3496	181	171	5	13	19
50	51	159	Virginia	Richmond County	5	0	9059	5066	3993	3138	2925	1799	961	24	15	31

Showing 1 - 5 of 5 rows

The system saves the CSV file to your default download directory.

Adding data

Experience the flexibility of importing and integrating data to enhance your data visualization projects. In Cloudera Data Visualization, you have the capability to add data from flat files. The imported data is processed as a new table and it is integrated into an existing data repository. Subsequently, you can use this data as a supplementary information source for your existing datasets by establishing new table joins. You can also create new datasets that reference the imported data as their primary tables.



Important: Data import is available for the following connections:

- Hive
- Impala
- MariaDB
- MySQL
- PostgreSQL
- Spark SQL



Note: Data import is not supported in Cloudera Data Warehouse (CDW) as the connection is read-only.

- SQLite



Note: This connection is not supported in Cloudera Data Warehouse (CDW).

- Snowflake (Technical Preview)

Data Visualization supports two primary forms of data sources: CSV and URL.

You can use the Import Data functionality to enhance your existing datasets, incorporating this data by creating joins within the data model. The choice of creating a new dataset based on the imported data depends on your specific business requirements.

For importing data stored in Excel format, see *Preparing Excel files for data import*.

Importing data in CSV format

Learn how to add data to Cloudera Data Visualization from flat CSV files.

About this task

You can use comma-delimited files or files with other delimiting characters. If you want to import data stored in Excel format, see *Preparing Excel files for data import*.

This feature is available on the following connections:

Enabled by default:	Disabled by default:
<ul style="list-style-type: none"> • SQLite • Hive • Impala • Snowflake [Technical Preview] • Solr [Technical Preview] • Spark SQL 	<ul style="list-style-type: none"> • DuckDB • MS SQL • Teradata

Procedure

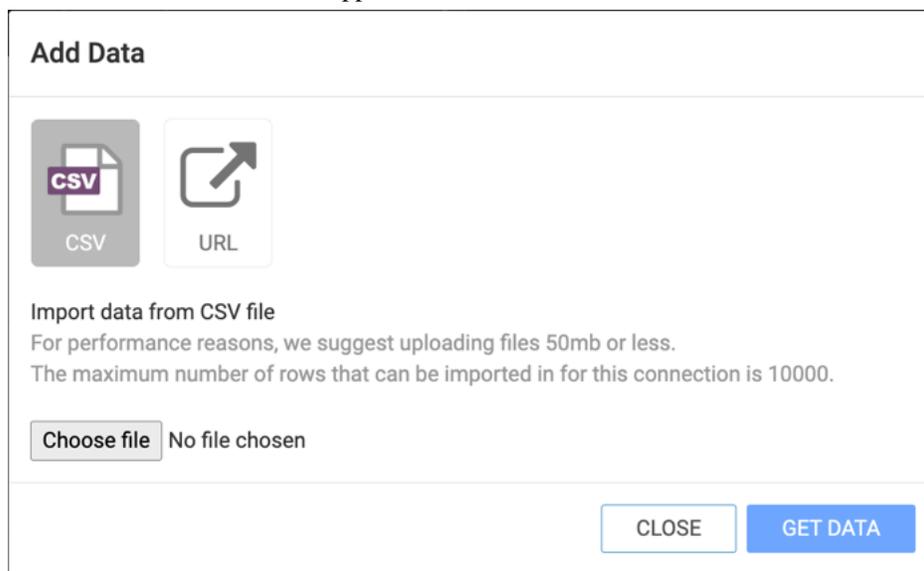
1. On the main navigation bar, click DATA.

The Data view appears, opening on the Datasets tab.

Title/Table	ID	Tags	Created	Last Updated	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago	juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago	juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago	vizapps_admin	19
csimport Solr:casba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago	juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago	vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago	vizapps_admin	1
vector Solr:cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago	vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago	juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago	vizapps_admin	0

2. Click ADD DATA.

The Add Data modal window appears.



3. Select the CSV option and click Choose file.

4. Using your computer's native browser, locate and select the data file, and confirm the file selection.

5. In the Add Data modal window, verify the name of the file you added and click GET DATA.

6. Ensure that your data is configured correctly before confirming the import:

- a. Under Database, specify samples. Alternatively, you can select another database.
- b. Under Table Name, specify a table. The system usually assigns a numerical suffix, which you can remove.
- c. Under Upon Import, select whether you only want to import data or create a dataset and a dashboard based on the data.
 - If you select Create Dataset, you are directed to the Detail page of the dataset you have created after the import is completed.
 - If you select Create Dataset and Dashboard, you are directed to the newly created dashboard when the import is completed.
- d. For Column Delimiter, define the delimiter used in the source file. In this case, the column delimiter is Comma, but it can also be Tab, Space, Semicolon, Colon, Pipe, Control A, or Other. Make the necessary adjustments to this field.
- e. Under Locale Setting, you can select one of the common options: United States, United Kingdom, Sweden, Norway, or Other. Selecting Other adds a separate field next to the locale setting where you can specify the supported locale. For more information, see *Changing the locale setting of an imported file*.
- f. Under Options, select the data clean-up tasks that Data Visualization provides prior to data import. These include File contains headers, Fill missing columns, Skip malformed rows, and Use '\' as escape character.



Note: Data Visualization can detect many items, for example the presence of header rows, automatically.

- g. In the Data Table preview, each column of the table appears with its data type and name. Data Visualization detects the data type automatically, but you can modify it in this interface before importing. For example,

you may want to store numerical categories as strings. The data types are Boolean, Integer, Real, String, and Timestamp.

- h.** You can change the name of the table column before importing.

The screenshot shows the 'Imported File' modal window in Cloudera Data Visualization. The modal title is 'Imported File: annual-enterprise-survey-2021-financial-year-provisional-csv.csv'. It includes buttons for 'APPLY CHANGES' and 'CONFIRM IMPORT'. The 'Database' is set to 'main', 'Table Name' is 'annual_enterprise_survey_2021_financial_year_provisional_csv_1683557174', and 'Column Delimiter' is 'Comma'. Under 'Upon Import', 'Import only' is selected. Under 'Options', 'File contains headers' is checked. Below the modal, a data table preview is shown with columns: #, year, industry_aggr, industry_code, industry_nam, units, variable_code, variable_nam, variable_cate, value, and industry_code. The table contains 10 rows of financial data for the year 2021.

#	year	industry_aggr	industry_code	industry_nam	units	variable_code	variable_nam	variable_cate	value	industry_code
2021	Level 1	99999	All industries	Dollars (millions)	H01	Total income	Financial performance	757,504	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H04	Sales, government funding, grants and subsidies	Financial performance	674,890	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H05	Interest, dividends and donations	Financial performance	49,593	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H07	Non-operating income	Financial performance	33,020	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H08	Total expenditure	Financial performance	654,404	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H09	Interest and donations	Financial performance	26,138	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	
2021	Level 1	99999	All industries	Dollars (millions)	H10	Indirect taxes	Financial performance	6,991	ANZSIC06 divisions A-S (excluding classes K6330, L6711, O7552, O760, O771, O772, S9540, S9601, S9602, and S9603)	

- 7.** Click **APPLY CHANGES** to save all the adjustments you have made.

- 8.** Click **CONFIRM IMPORT**.

The Confirm File Import modal window appears, where you have to click **CONFIRM IMPORT** once more.

The screenshot shows the 'Confirm File Import' modal window. It has a title bar with a close button (X). The main content area contains the following text:

After confirming import, you can use this data in the following manner:

- As supplemental data to an existing dataset; in the Data interface, select the dataset and edit its Data Model to create new table joins.
- As the foundation of a new dataset; in the Data interface, click New Dataset.

This operation may take a long time. It cannot be canceled.

Are you sure you want to confirm the import?

At the bottom of the modal, there are two buttons: 'CANCEL' and 'CONFIRM IMPORT'.

- 9.** To verify that the data has been imported correctly into your system, check the Connection Explorer interface.

Related Information

[Preparing Excel files for data import](#)

[Changing the locale setting of an imported file](#)

Adding data through URL

Learn how to how to add a data file using a URL in Cloudera Data Visualization.

About this task

These data files are typically in JSON format. The files may be comma-delimited or they use other delimiting characters.



Note: This feature is available on the following connections:

Enabled by default:	Disabled by default:
<ul style="list-style-type: none"> • SQLite • Hive • Impala • Snowflake • Spark SQL 	<ul style="list-style-type: none"> • DuckDB • MS SQL • Teradata

Procedure

1. On the main navigation bar, click DATA.

The Data view appears, open on the Datasets tab.

Title/Table	ID	Tags	Created	Last Updated	JF	Modified By	# Dashboards
Cereals main.cereals Data Connection: samples	11	Extract Source	May 03, 2021	19 hours ago		juno	69
cereal main.cereals, main.chicago_govt_pay Data Connection: samples	191		Sep 28, 2022	19 hours ago		juno	24
cereal main.cereals, main.chicago_govt_pay Data Connection: 2050_CloneSamples	341		May 23, 2023	19 hours ago		vizapps_admin	19
csimport Solr.csaba_import_20240119 Data Connection: SolrTestConnection	417		Jan 23, 2024	2 days ago		juno	1
Dataset-2-test main.census_pop Data Connection: samples	416		Jan 23, 2024	2 days ago		vizapps_admin	1
Dataset-test-1 main.census_pop Data Connection: samples	415		Jan 23, 2024	2 days ago		vizapps_admin	1
vector Solr.cdv_embeddings_out_1536_100_rows_1703174544 Data Connection: SolrTestConnection	414		Jan 23, 2024	2 days ago		vizapps_admin	1
asd main.cdv_1937 Data Connection: SQLite	413	Extract Target	Jan 22, 2024	2 days ago		juno	0
report main.reports_report, main.reports_appgroup, main.rep... Data Connection: meta	412		Jan 22, 2024	2 days ago		vizapps_admin	0

2. Click ADD DATA.

The Add Data modal window appears.

3. Select the URL option, and add the address of the file to the text window, and click GET DATA.

4. Ensure that your data is configured correctly before confirming the import:

- a. Under Database, specify documentation. Alternatively, select another database.
- b. Under Table Name, specify city_chicago_staff. The system typically assigns a numerical suffix that you can remove.
- c. Under Upon Import, select whether you only want to import the data or create a dataset and a dashboard based on the data.
 - If you select Create Dataset, you are taken to the Detail page of the dataset you have created when the import is completed.
 - If you select Create Dataset and Dashboard, you are taken to the newly created dashboard when the import is completed.
- d. For Column Delimiter, define the delimiter used in the source file. In this case, the column delimiter is Comma, but it can also be Tab, Space, Semicolon, Colon, Pipe, Control A, or Other. Make the necessary adjustments to this field.
- e. Under Locale Setting, you can select one of the common options: United States, United Kingdom, Sweden, Norway, or Other. Selecting Other adds a separate field next to the locale setting where you can specify the supported locale. For more information, see *Changing the locale setting of an imported file*.
- f. Under Options, select the data clean-up tasks that Data Visualization provides prior to data import. These include File contains headers, Fill missing columns, Skip malformed rows, and Use \" as escape character.



Note: Data Visualization can detect many items automatically, such as the presence of header rows.

- g. In the Data Table preview, each column of the table appears with its data type and name. Data Visualization detects the data type automatically, but you can change it in this interface prior to import. For example, you

may wish to store numerical categories as strings. The data types are Boolean, Integer, Real, String, and Timestamp.

- h.** You can change the name of the table column before importing.

Imported File: https://en.wikipedia.org/wiki/Food_safety_in_the_United_States APPLY CHANGES CONFIRM IMPORT

Database: Column Delimiter:

Table Name: Locale Setting:

Upon Import: Import only
 Create Dataset
 Create Dataset and Dashboard

Options: File contains headers
 Fill missing columns
 Skip malformed rows
 Use ` ` as escape character

Data Table Rows 1-100

column_0
<!DOCTYPE html>
<html class="client-nojs vector-feature-language-in-header-enabled vector-feature-language-in-main-page-header-disabled vector-feature-language-alert-in-sidebar-enabled vector-feature-sticky-header-disabled vector-feature-page-tools-pinned-disabled vector-feature-toc-pinned-enabled vector-feature-main-menu-pinned-disabled vector-feature-limited-width-enabled vector-feature-limited-width-content-enabled vector-feature-zebra-design-disabled" lang="en" dir="ltr">
<head>
<meta charset="UTF-8"/>
<title>Food safety in the United States - Wikipedia</title>
<script>document.documentElement.className="client-js vector-feature-language-in-header-enabled vector-feature-language-in-main-page-header-disabled vector-feature-language-alert-in-sidebar-enabled vector-feature-sticky-header-disabled vector-feature-page-tools-pinned-disabled vector-feature-toc-pinned-enabled vector-feature-main-menu-pinned-disabled vector-feature-limited-width-enabled vector-feature-limited-width-content-enabled vector-feature-zebra-design-disabled";(function(){var cookie=document.cookie.match(/(?:%3B)%3B=([^%3B]*)/);if(cookie){var featureName=cookie[1];document.documentElement.className=document.documentElement.className.replace(featureName+"-enabled"
1ab72189-b978-4f03-8ffb-facd76151589
wgWMEschemaEditAttemptStepOversample:false
ext.visualEditor.desktopArticleTarget.noscript:"ready"
<script>(RLQ=window.RLQ).push(function(){mw.loader.implement("user.options@12a5f"
<link rel="stylesheet" href="/w/load.php?lang=en&modules=ext.cite.styles%7Cext.uls.interlanguage%7Cext.visualEditor.desktopArticleTarget.noscript%7Cext.wikimediaBadges%7Cmediawiki.ui.button%2Cicon%7Cskins.vector.icons%2Cstyles%7Cwikibase.client.init&only=styles&skin=vector-

- 5.** Click **APPLY CHANGES** to ensure that all adjustments you made are saved.

- 6.** Click **CONFIRM IMPORT**.

The Confirm File Import modal window appears, where you have to click **CONFIRM IMPORT** again.

Confirm File Import ✕

After confirming import, you can use this data in the following manner:

- As supplemental data to an existing dataset; in the Data interface, select the dataset and edit its Data Model to create new table joins.
- As the foundation of a new dataset; in the Data interface, click New Dataset.

This operation may take a long time. It cannot be canceled.

Are you sure you want to confirm the import?

CANCEL
CONFIRM IMPORT

- 7.** To verify that the data has been imported correctly into your system, check the Connection Explorer interface.

Related Information

[Changing the locale setting of an imported file](#)

Changing the locale setting of an imported file

When importing a data file, you can specify the localization for the data. This will specifically handle differences in specifying floating-point number.

Under Locale Setting, which is the default for your system, select one of the common options: United States, United Kingdom, Sweden, Norway, or Other.

Selecting Other brings adds a new text entry box. Clicking on the information icon opens a separate menu, where you can select another supported locale. In our case, we selected Russian, ru_RU.

Column Delimiter Comma

Locale Setting Other

Options

- File contains headers
- Fill missing columns
- Skip malformed rows
- Use '\' as escape character

Country	Code
Bulgarian	bg_BG
Chinese	zh_CN
Croatian	hr_HR
Czech	cs_CZ
Danish	da_DK
Dutch	nl_NL
English	en_US
Estonian	et_EE
Finnish	fi_FI
French	fr_FR
German	de_DE
Greek	el_GR
Hungarian	hu_HU
Italian	it_IT
Latvian	lv_LV
Lithuanian	lt_LT
Norwegian	no_NO
Polish	pl_PL
Portuguese	pt_PT
Romanian	ro_RO
Russian	ru_RU
Slovak	sk_SK
Slovenian	sl_SI
Spanish	es_ES
Swedish	sv_SE
Turkish	tr_TR

column_7	column_8	column_9	column_10
Issued	Submitted to tekom	Payment de	
Jun 30	Jul 12	N/A	
Sep 16	Sep 19	Sep 20	
Sep 29	Sep 29	Oct 7	
Oct 18	Oct 18	Oct 24	
Oct 19	Oct 20	Oct 27	
Oct 27	Oct 27	Oct 27	

Preparing Excel files for data import

Learn how you can import data from Microsoft Excel or other similar formats into Cloudera Data Visualization.

About this task

You must save the files in character-delimited format.

Procedure

1. In Microsoft Excel, open the file that contains the data you are importing.
2. Click Save as, then select Comma Separated Values (.csv).
3. Choose a file name, such as MyCSVdata, and click Save.