Cloudera Streaming Analytics 1.5.0

Streaming SQL Console

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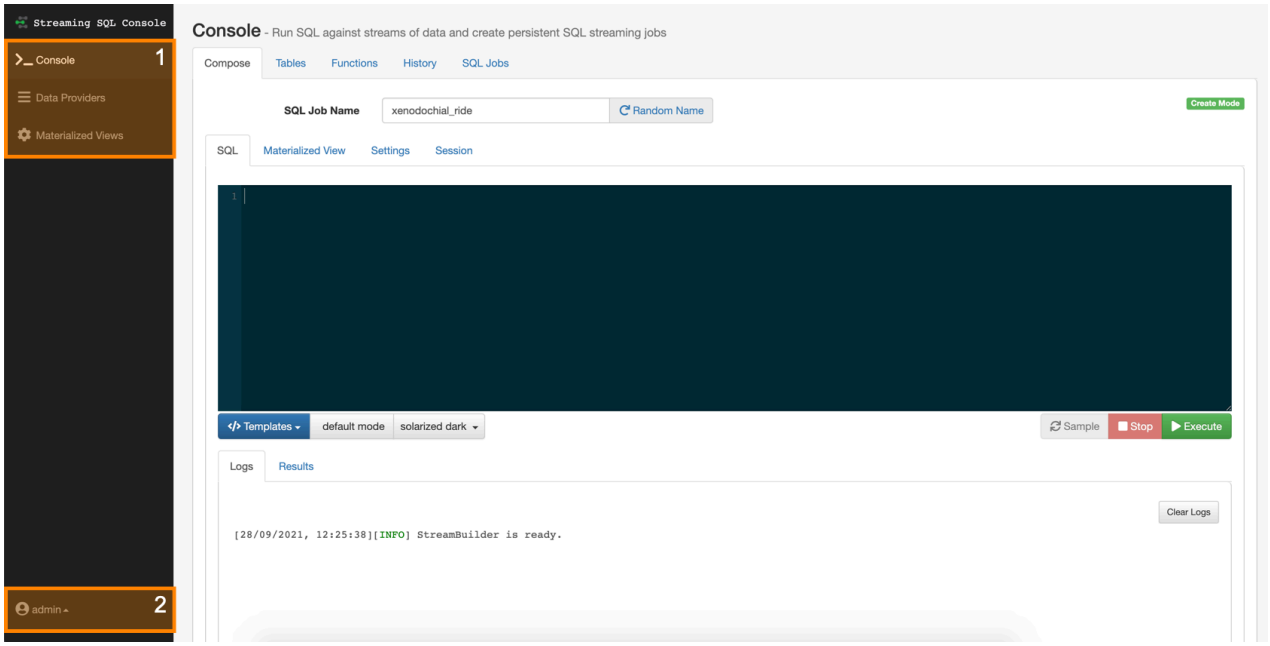
Using the Streaming SQL Console

The Streaming SQL Console is the user interface for the SQL Stream Builder. You can manage your queries, tables, functions and monitor the history of the SQL jobs using the SQL Stream Console.

1. Go to your cluster in Cloudera Manager.
2. Select SQL Stream Builder from the list of services.
3. Click SQLStreamBuilder Console.

   The Streaming SQL Console opens in a new window.

The following illustration details the main menu and the tabs of the user interface.



1. Main Menu

The **Main Menu** consist of the following pages:

- **Console** - The homepage of the Console where you can find the SQL window, the main tabs and audit tabs.
- **Data Providers** - The main page of Data Providers where you can add and manage the data providers and catalogs.
- **Materialized Views** - The main page of Materialized Views where you can review and manage the created Materialized View endpoints and API keys.

2. Profile Menu

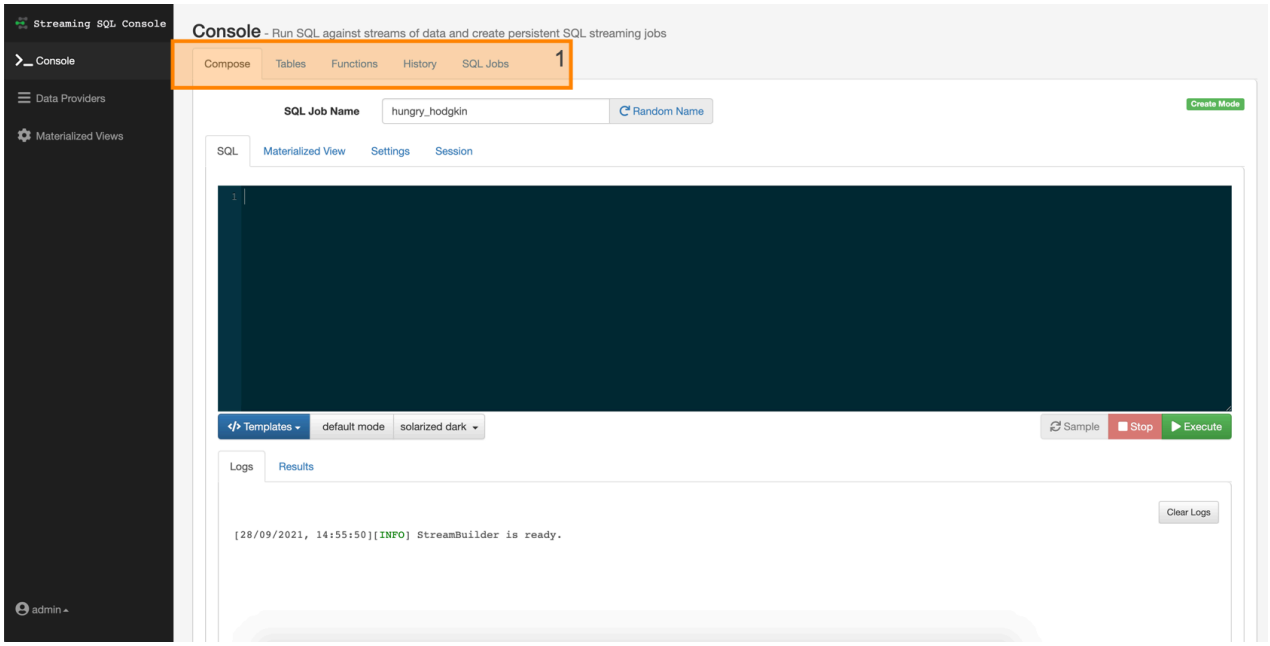
The **Profile Menu** consist of the following pages:

- **Profile** - The main page of the user profile where you can create new password.
- **Teams** - The main page of the Teams where you can create and manage your teams, invite other members to your teams.

Logout - You can use the Logout button from the **Profile Menu** to log out of the Streaming SQL Console.

Console Page

The Console page enables you to create your SQL jobs, and shows every SQL job related tabs, subtabs and audit tabs. By default the Compose tab is displayed with the SQL subtab, so you can easily create and execute your SQL queries.

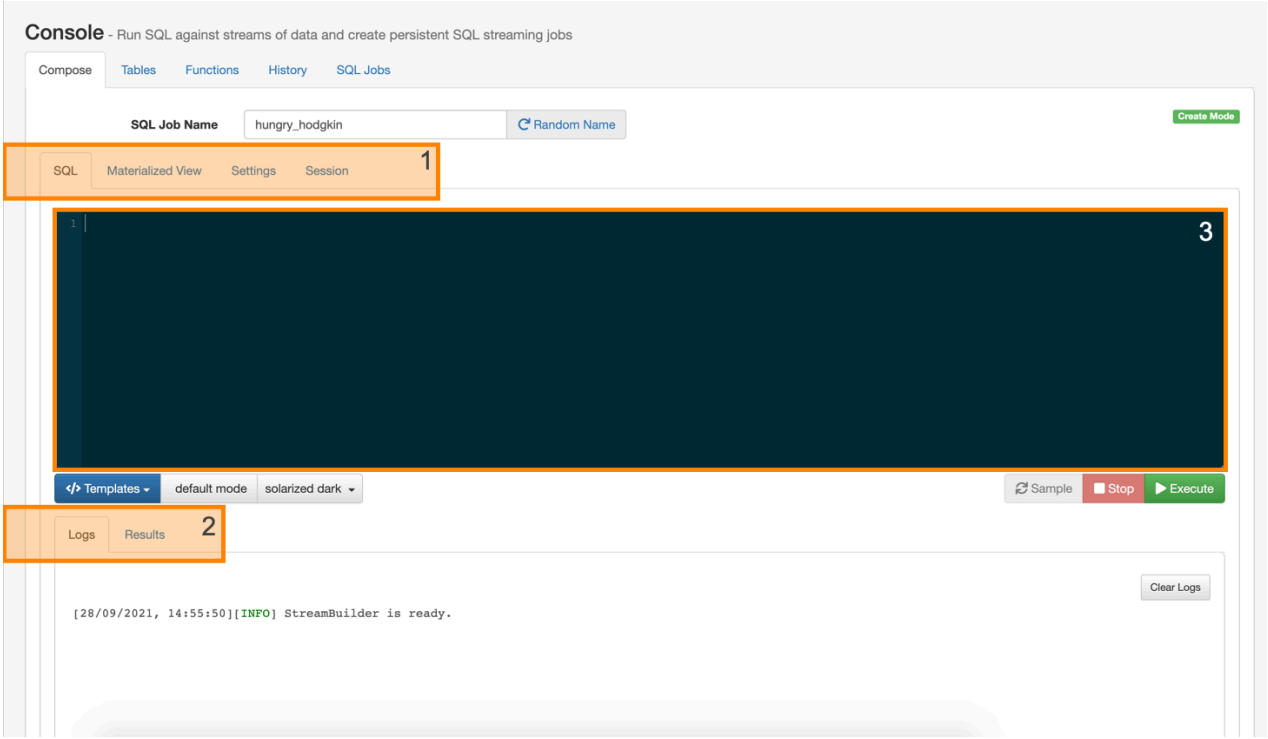


1. Main Tabs

- **Compose** - By default, the Compose tab is selected on the Console.
- **Tables** - You can view, manage and add tables on this tab.
- **Functions** - You can add the User Defined Functions to your SQL query.
- **History** - You can review the history of submitted SQL queries.
- **SQL Jobs** - You can review the history of submitted SQL jobs.

Compose Tab

The Console tab shows the alternate windows to create SQL queries and Materialized Views. You can also set the SQL job settings and review the properties of the running session. With the audit tabs, you can review log information of your SQL jobs, and also check the sampled data of your query results.



1. Subtabs

- **SQL** - By default, the SQL alternate window is displayed on the Compose tab where you can execute, stop and sample your SQL queries.
- **Materialized View** - The Materialized View alternate window displays settings to create Materialized Views for a SQL query.
- **Settings** - The Settings alternate window displays the SQL job relates settings that you can configure before starting a job.
- **Session** - The Session alternate window displays every property that is configurable for the running session.

2. Audit Tabs

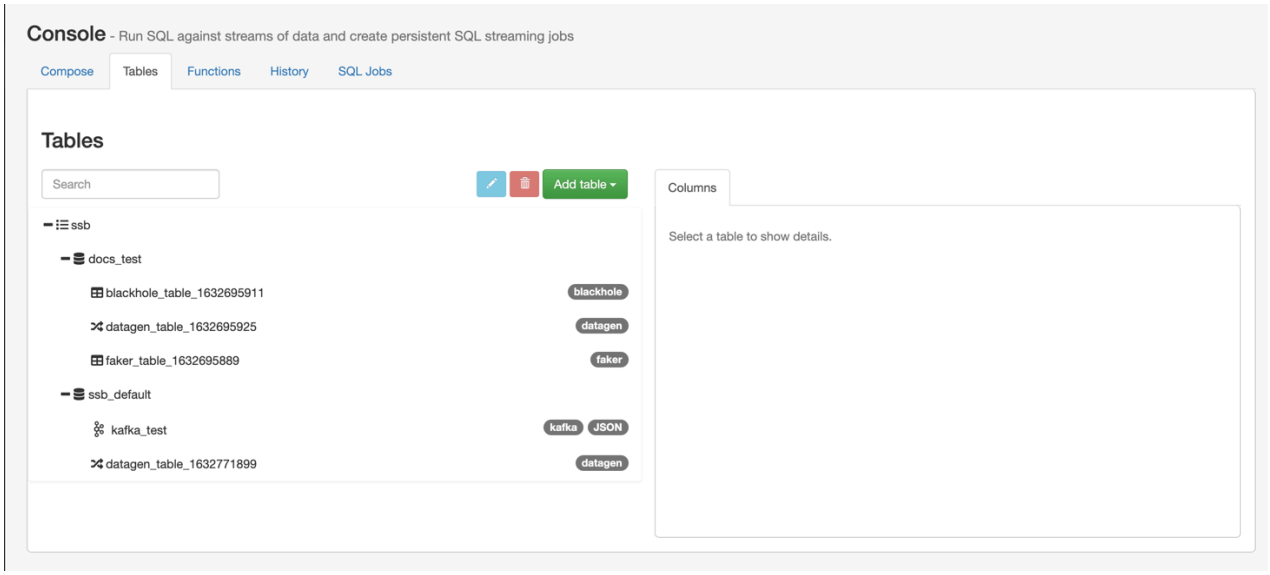
- **Logs** - The **Logs** audit tab displays the status of the SQL Console.
- **Results** - The **Results** audit tab displays the results of the executed SQL queries.

3. SQL Window

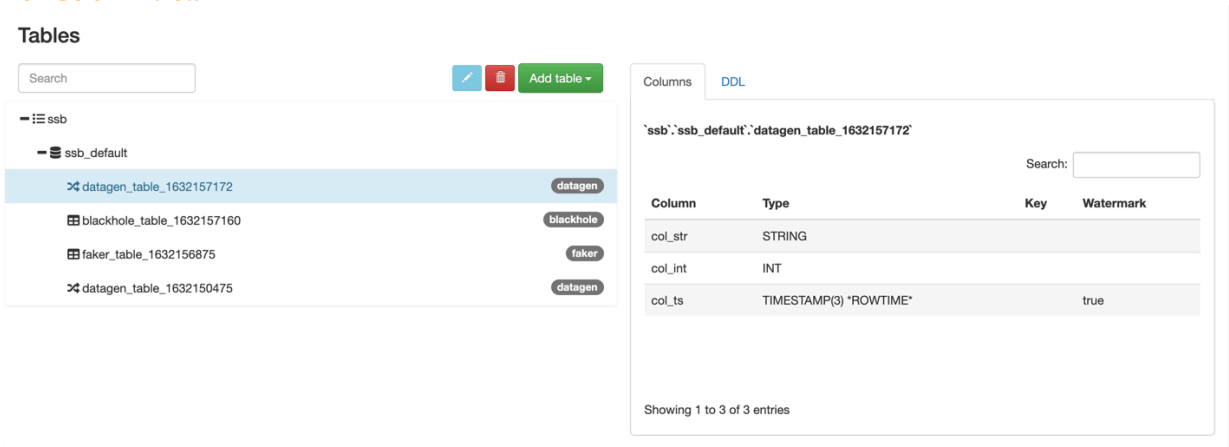
You can use the SQL window to create and add your SQL queries.

Tables Tab

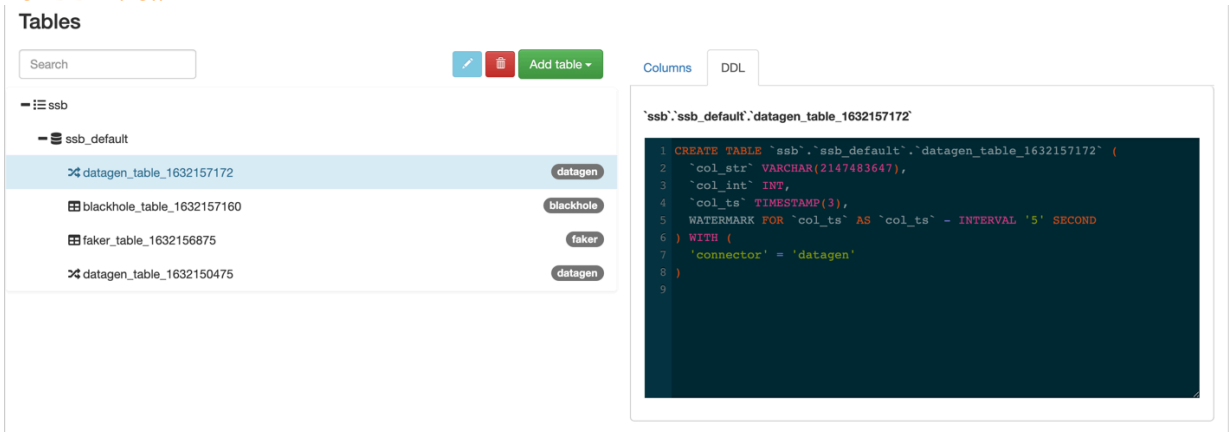
The Tables tab shows the list of created tables. You can switch between Column or DDL view of the tables.



For Column view

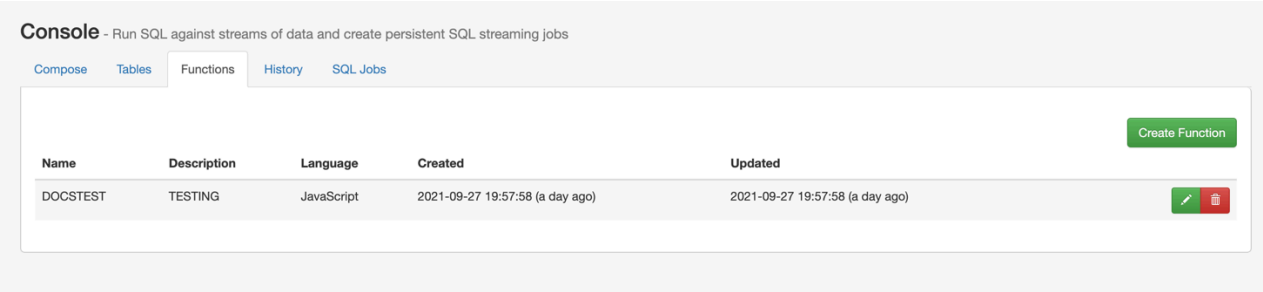


For DDL view



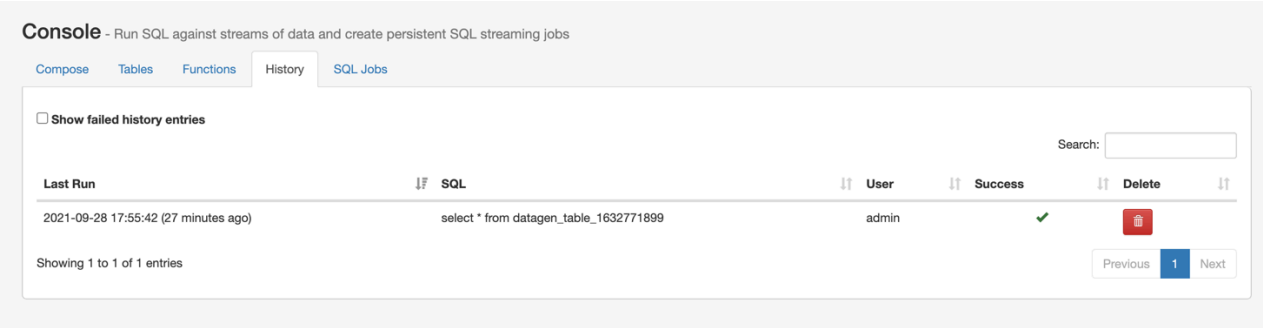
Functions Tab

The Functions tab shows the list of created User Defined Functions (UDF) that you can use in your SQL queries.



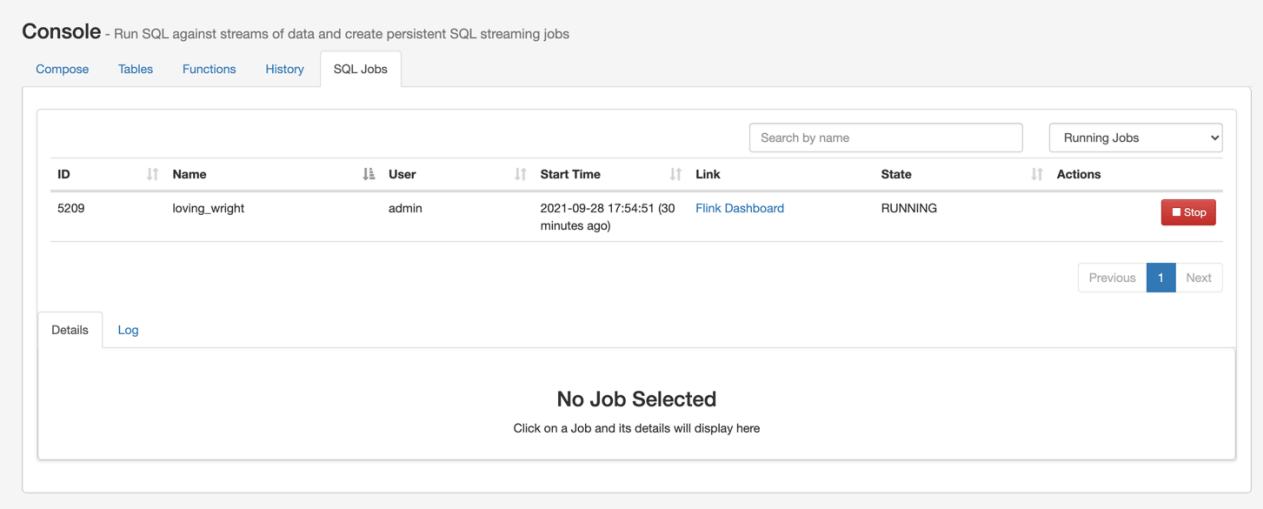
History Tab

The History tab shows the list of executed SQL queries. You have the option to only show the failed history entries. When clicking on an entry from the History, the SQL query is automatically imported to the SQL window.



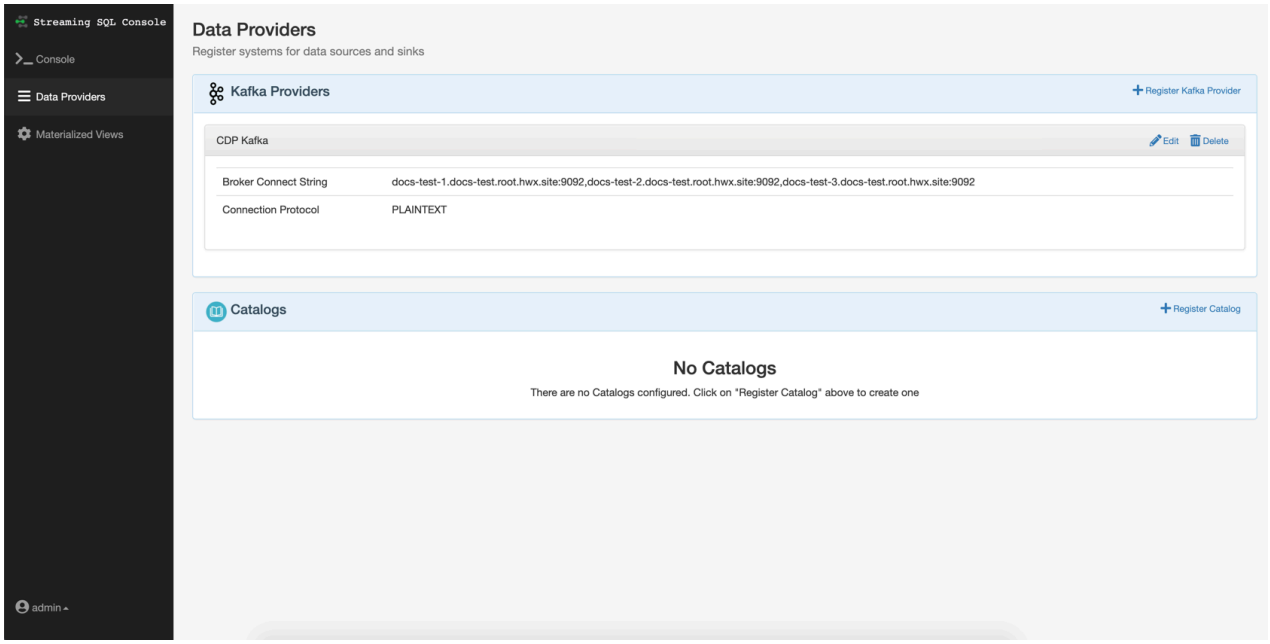
SQL Jobs Tab

The SQL Jobs tab include the list of running and stopped SQL jobs. You can also manage and stop the SQL jobs listed on the SQL Jobs tab. Using the Details and Log windows, you can review more information about a selected job.



Data Providers Page

The Data Providers page enables you to register, edit and delete the data providers. The providers are displayed in two categories: Kafka providers and Catalogs.



Materialized Views Page

The Materialized Views page enables you to add API keys, manage API keys and manage Materialized Views.

