

## Monitoring SQL jobs

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## Monitoring SQL Stream jobs

You can use the Streaming SQL Console to review the status, properties and log of your SQL Stream jobs executed in SQL Stream Builder. Using the Flink Dashboard, you can also monitor the Flink job that is submitted when you execute a SQL query.

### Using the Streaming SQL Console

When using the **SQL Jobs** page in Streaming SQL Console to monitor your SQL jobs, you can review the ID, the Name, the Start time, the State of the submitted jobs, and the User who submitted the SQL jobs. When monitoring running jobs, you are also able to open the Flink Dashboard, and stop the job using the Stop button under Actions. The Flink Dashboard link and Stop button are not available for Stopped Jobs.

1. Click Console on the main menu.
2. Select SQL Jobs tab.

By default, Running Jobs are displayed on the **SQL Jobs** page.

Console - Run SQL against streams of data and create persistent SQL streaming jobs

Compose Tables Functions History SQL Jobs

Search by name Running Jobs

ID	Name	User	Start Time	Link	State	Actions
5209	loving_wright	admin	2021-09-28 17:54:51 (30 minutes ago)	<a href="#">Flink Dashboard</a>	RUNNING	<a href="#">Stop</a>

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Details Log

**No Job Selected**  
Click on a Job and its details will display here

3. Select Running Jobs or Stopped Jobs from the drop-down menu.
4. Click on the job you want to monitor.
  - a. You can further filter down the results, by directly searching for the job name in the Search field.
5. Select Details tab on the bottom panel to display additional details and configurations about the SQL job.

Details Log

[Edit Selected Job](#)

Property	Value
Job Name	nostalgic_varahamihira
Sources	transactions
Sinks	No sinks defined
SQL	select * from transactions
Parallelism	1 thread(s)
Restart Strategy	never
Restart Retry Delay	30
Sample Behavior	Sample one message every second

6. Select Log tab on the bottom panel to review the log information of the job submission.

```
[14/07/2021, 18:47:45][INFO] INFO - 2021-07-14 16:42:08.274652 : Job metadata saved
[14/07/2021, 18:47:45][INFO] INFO - 2021-07-14 16:42:08.284747 : SSB version 1626276514638921589 selected for job.
[14/07/2021, 18:47:45][INFO] INFO - 2021-07-14 16:42:10.680009 : Successful job deployment to: http://docs-test-3.docs-test.root.hwx.site:45643
[14/07/2021, 18:47:45][INFO] INFO - 2021-07-14 16:42:10.705042 : Free slots remaining: 0
[14/07/2021, 18:47:45][INFO] INFO - 2021-07-14 16:42:10.719030 : Generated Flink ID: fl1906519f6932472e6bb9b9f31219a5
```

## History of SQL queries

You can review and reuse the SQL queries that were previously executed on the **History** page. When you click on one of the SQL queries, it is automatically imported to the SQL window for execution. You can filter the SQL queries by the time they were last run or by the user who run them. You can also search for a type of SQL query using the Search field.

SQL	Last Run	User
select column_int from datagen_sample	2021/07/14 17:23:48 (3 minutes ago)	admin
select * from datagen_sample	2021/07/14 17:17:16 (10 minutes ago)	admin

Showing 1 to 2 of 2 entries

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## Using the Flink Dashboard

You can also monitor your running SQL jobs using the Flink Dashboard. You can easily reach the Flink Dashboard on the SQL jobs tab below the Console main menu. After clicking on the Flink Dashboard, you are redirected to the Flink Dashboard interface.

ID	Name	User	Start Time	Link	State	Actions
5443	silly_curran	admin	3 days ago	<a href="#">Flink Dashboard</a>	RUNNING	<a href="#">Stop</a>
5445	thirsty_franklin	admin	3 days ago	<a href="#">Flink Dashboard</a>	RUNNING	<a href="#">Stop</a>