Cloudera Streaming Analytics Operator 1.5.0

Getting Started with Cloudera SQL Stream Builder

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https://docs.cloudera.com/

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Sign in to Cloudera SQL Stream Builder and run a new job to confirm launching Flink jobs.

What is Cloudera SQL Stream Builder?

The Cloudera SQL Stream Builder is a comprehensive interactive user interface for creating stateful stream processing jobs using SQL. By using SQL, you can simply and easily declare expressions that filter, aggregate, route, and otherwise mutate streams of data. Cloudera SQL Stream Builder is a job management interface that you can use to compose and run SQL on streams, as well as to create durable data APIs for the results.

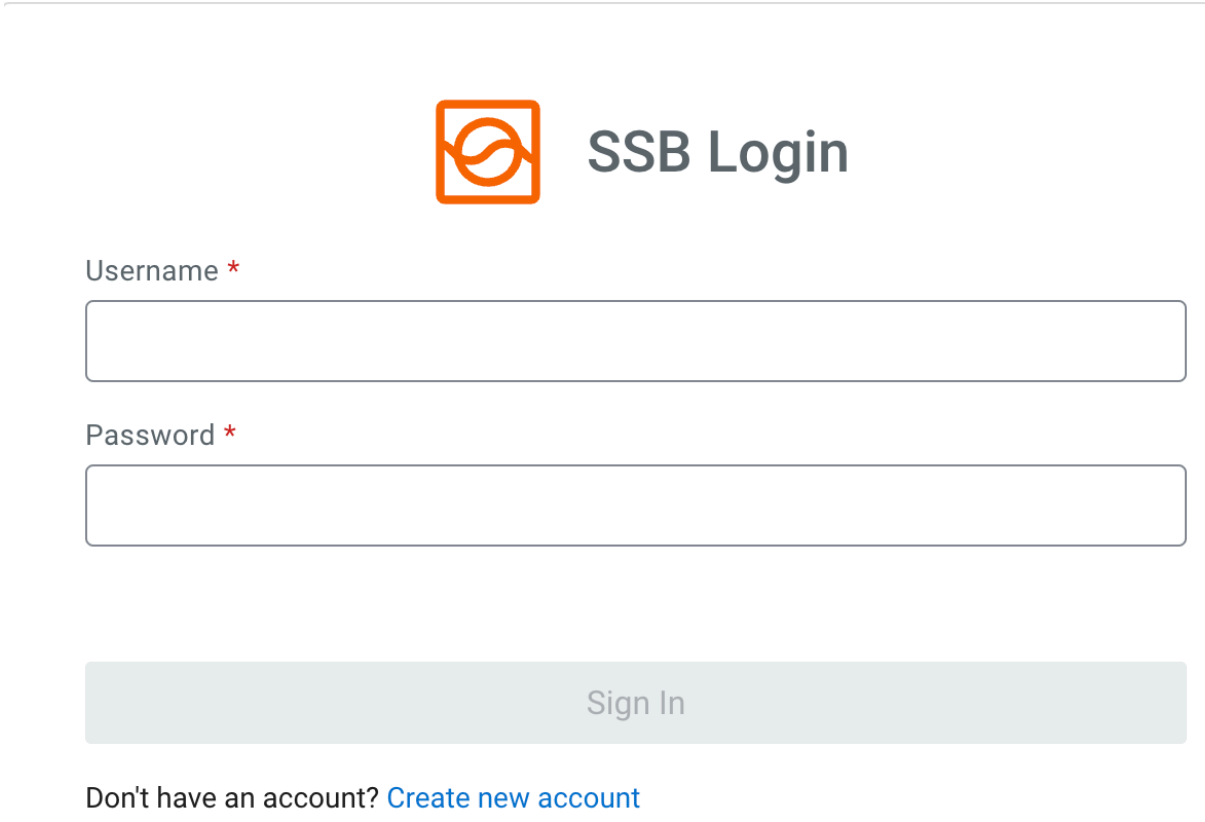
For more information on Cloudera SQL Stream Builder, see Cloudera SQL Stream Builder Overview.

Note: This documentation details the differences in setup and operation of Cloudera SQL Stream Builder for Cloudera Streaming Analytics Operator for Kubernetes. For detailed information on using Cloudera SQL Stream Builder, see Using Cloudera SQL Stream Builder.

To access the User Interface (UI) of Cloudera SQL Stream Builder, called Streaming SQL Console, run the following command to set up the port-forwarding:

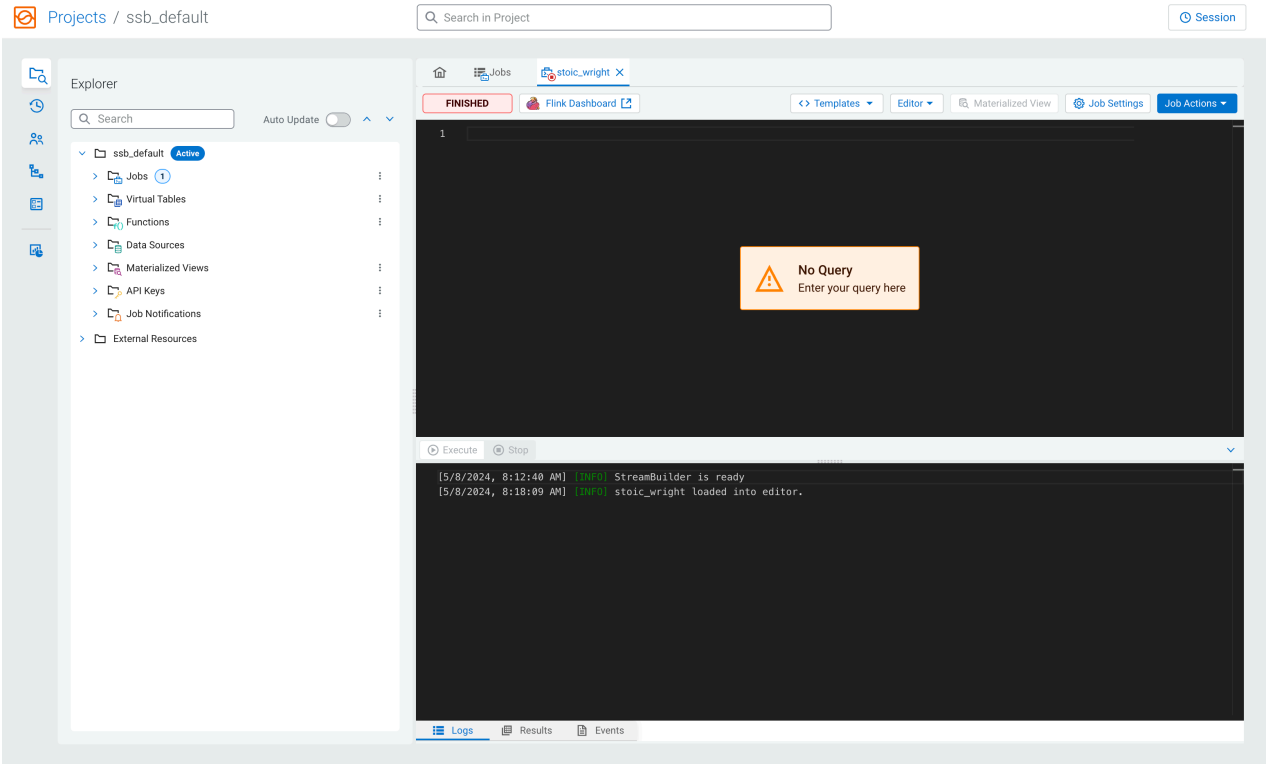
```
kubectl -n [*** NAME SPACE ***] port-forward service/ssb-sse 18121:18121
```

This enables access to Streaming SQL Console at http://localhost:18121 (or your machine's IP address if it differs from localhost).



You can sign in to Streaming SQL Console using the default username and password (admin - admin), or you can register with a new account.

After logging in, you are redirected to the Projects homepage of Streaming SQL Console. To start a simple SQL job, open the ssb_default project. Click ⋮ to create a new job with a randomly generated name or you can provide your own.



Copy and paste the following SQL query to the SQL Editor, and click Execute:

```
CREATE TABLE blackhole (col1 STRING) WITH ('connector'='print');
CREATE TABLE datagen (col1 STRING) WITH ('connector'='datagen');
INSERT INTO blackhole SELECT * FROM datagen;
```

This job generates random rows and writes the generated data to the TaskManager logs. You can use this example to verify that SSB can successfully launch a Flink job.