

Cloudera Streaming Analytics Operator 1.0.0

## Getting Started with SSB

Date published: 2024-06-15

Date modified: 2024-06-15

# CLOUDERA

<https://docs.cloudera.com/>

# Legal Notice

© Cloudera Inc. 2024. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Unless otherwise noted, scripts and sample code are licensed under the Apache License, Version 2.0.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms. Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

# Contents

<b>Submitting a SQL job.....</b>	<b>4</b>
----------------------------------	----------

## Submitting a SQL job

Sign in to SSB and run a new job to confirm launching Flink jobs.

### What is SQL Stream Builder (SSB)?

The SSB 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. SSB 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 SSB, see [SQL Stream Builder Overview](#).



**Note:** SSB is in Technical Preview in this version of CSA Operator. This documentation details the differences in setup and operation of SSB for CSA Operator. For detailed information on using SSB, see [Using SQL Stream Builder](#).

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

```
kubectl -n flink 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).



## SSB Login

Username \*

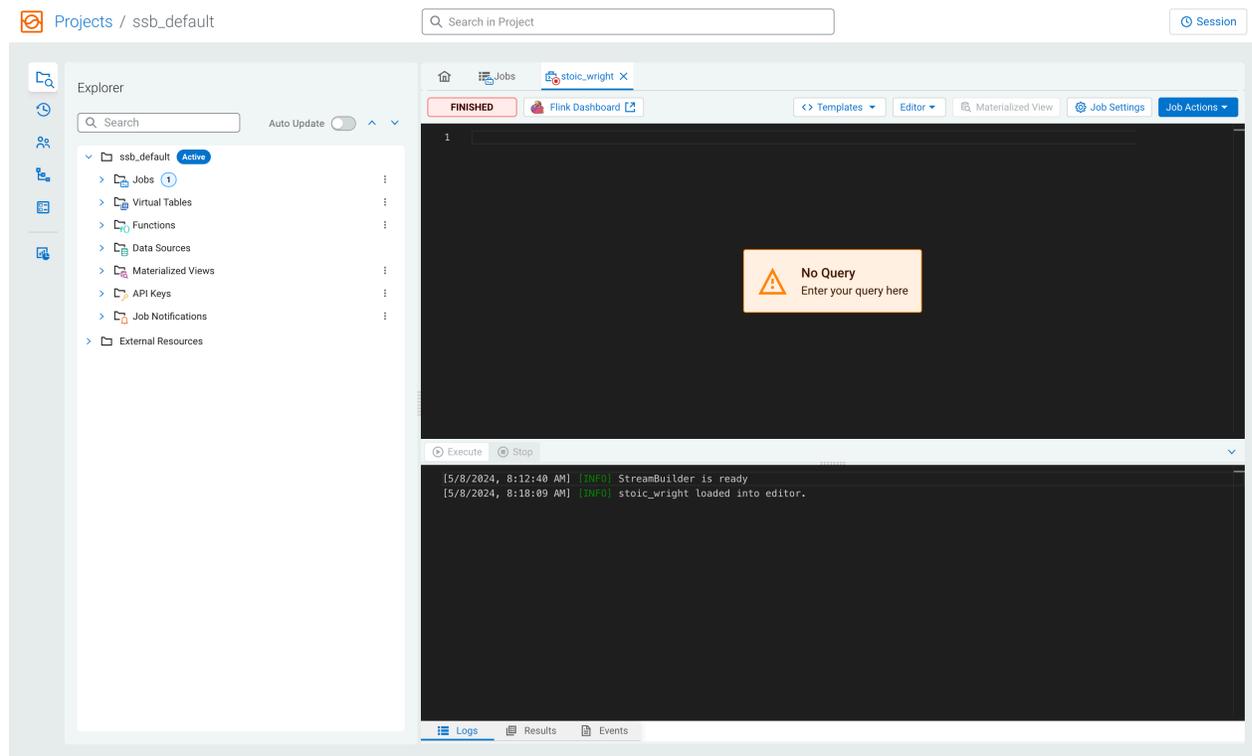
Password \*

Sign In

Don't have an account? [Create new account](#)

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 (coll STRING) WITH ('connector'='print');  
CREATE TABLE datagen (coll 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.