

Cloudera Streaming Analytics Operator 1.0.0

SSB Application Management

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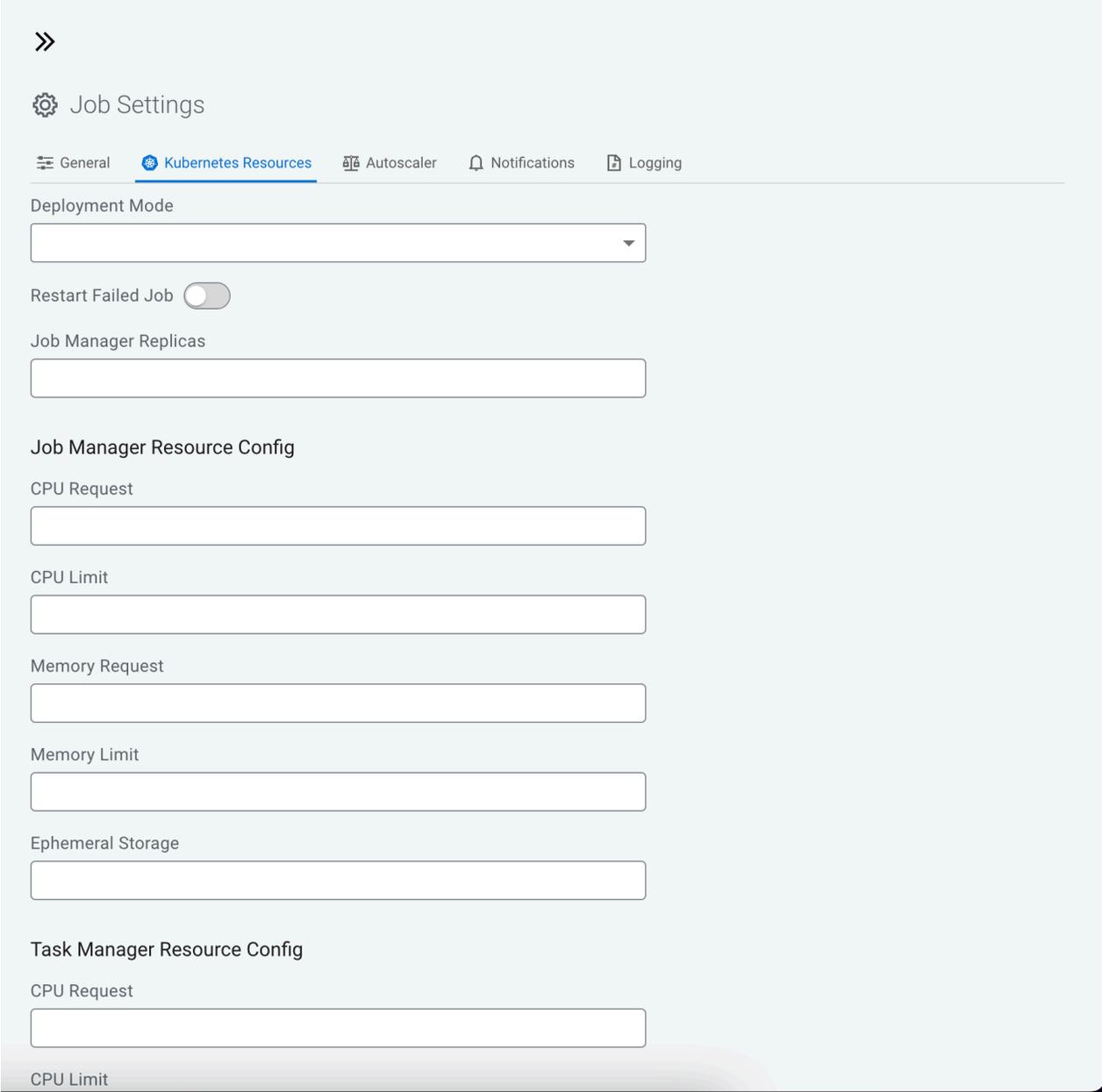
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Job settings

Configure jobs before launching on the Stream SQL Builder.

Before launching a new SQL job, you can set the following configurations for your job on Streaming SQL Console on the Kubernetes Resources tab:

- JobManager CPU, memory and ephemeral storage
- JobManager replicas (for high availability)
- TaskManager CPU, memory and ephemeral storage
- Flink deployment mode (*native* or *standalone*)



The screenshot shows the 'Job Settings' configuration page. At the top, there is a navigation bar with tabs for 'General', 'Kubernetes Resources' (which is selected), 'Autoscaler', 'Notifications', and 'Logging'. Below the navigation bar, the 'Deployment Mode' is set to a dropdown menu. A 'Restart Failed Job' toggle switch is currently turned off. The 'Job Manager Replicas' is set to a text input field. Under the 'Job Manager Resource Config' section, there are text input fields for 'CPU Request', 'CPU Limit', 'Memory Request', 'Memory Limit', and 'Ephemeral Storage'. Under the 'Task Manager Resource Config' section, there are text input fields for 'CPU Request' and 'CPU Limit'.

You also have the option to configure the job related settings on the General tab, and adjust the autoscaler configurations on the Autoscaler tab.



Important: For session-mode jobs, these configurations must be set before starting the session cluster. If you modify the default configurations, you need to shut down the existing session cluster and start the job for the changes to take effect.

Sample results

How to view sample results from your SQL queries.

Because CSA Operator does not install Kafka, in the SSB UI you are not able to see any rows from the Flink jobs. To see sampled results from your SQL queries, you need to have a Kafka cluster installed and accessible by both SSB and Flink pods, and change `ssbConfiguration` to configure SSB to use Kafka for data sampling:

```
ssbConfiguration:  
  application.properties: |+  
  kafka.enabled=true  
  spring.kafka.bootstrap-servers=example-kafka:9092  
  spring.kafka.jaas.enabled=false  
  spring.kafka.properties.security.protocol=PLAINTEXT
```