

Cloudera Streams Messaging Operator 1.1.0

## Reference

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## Helm chart configuration reference

A reference table containing all configurable properties of the Strimzi Cluster Operator Helm chart and their default values.

Specify each property using `--set` option in your helm commands. For example:

```
helm install strimzi-cluster-operator \
  --namespace [***NAMESPACE***] \
  --set 'image.imagePullSecrets[0].name=[***SECRET NAME***]' \
  --set-file clouderaLicense.fileContent=[***PATH TO LICENSE FILE***] \
  --set watchAnyNamespace=true \
  oci://container.repository.cloudera.com/cloudera-helm/csm-operator/strimzi
-kafka-operator \
  --version 1.1.0-b79
```

**Table 1: Strimzi Cluster Operator Helm chart configuration properties reference**

| Parameter                    | Description   | Default                           |
|------------------------------|---|-----------------------------------|
| replicas                     | Number of replicas of the cluster operator                                      | 1                                 |
| revisionHistoryLimit         | Number of replicaSet to keep of the operator deployment                         | 10                                |
| watchNamespaces              | Comma separated list of additional namespaces for the strimzi-operator to watch | []                                |
| watchAnyNamespace            | Watch the whole Kubernetes cluster (all namespaces)                             | false                             |
| defaultImageRegistry         | Default image registry for all the images                                       | container.repository.cloudera.com |
| defaultImageRepository       | Default image registry for all the images                                       | cloudera                          |
| defaultImageTag              | Default image tag for all the images except Kafka Bridge                        | 0.41.0.1.1.0-b79                  |
| image.registry               | Override default Cluster Operator image registry                                | nil                               |
| image.repository             | Override default Cluster Operator image repository                              | nil                               |
| image.name                   | Cluster Operator image name   | kafka-operator                    |
| image.tag                    | Override default Cluster Operator image tag                                     | nil                               |
| image.digest                 | Override Cluster Operator image tag with digest                                 | nil                               |
| image.imagePullPolicy        | Image pull policy for all pods deployed by Cluster Operator                     | IfNotPresent                      |
| image.imagePullSecrets       | List of Docker registry pull secrets  | []                                |
| fullReconciliationIntervalMs | Full reconciliation interval in milliseconds                                    | 120000                            |
| leaderElection.enable        | Whether to enable leader election   | true                              |
| operationTimeoutMs           | Operation timeout in milliseconds   | 300000                            |
| operatorNamespaceLabels      | Labels of the namespace where the operator runs                                 | nil                               |
| podSecurityContext           | Cluster Operator pod's security context   | nil                               |
| priorityClassName            | Cluster Operator pod's priority class name                                      | nil                               |

| Parameter                          | Description   | Default                  |
|------------------------------------|---|--------------------------|
| securityContext                    | Cluster Operator container's security context                   | nil                      |
| rbac.create                        | Whether to create RBAC related resources                        | yes                      |
| serviceAccountCreate               | Whether to create a service account                             | yes                      |
| serviceAccount                     | Cluster Operator's service account                              | strimzi-cluster-operator |
| podDisruptionBudget.enabled        | Whether to enable the podDisruptionBudget feature               | false                    |
| podDisruptionBudget.minAvailable   | Default value for how many pods must be running in a cluster    | 1                        |
| podDisruptionBudget.maxUnavailable | Default value for how many pods can be down                     | nil                      |
| extraEnvs                          | Extra environment variables for the Cluster operator container  | []                       |
| kafka.image.registry               | Override default Kafka image registry                           | nil                      |
| kafka.image.repository             | Override default Kafka image repository                         | nil                      |
| kafka.image.name                   | Kafka image name  | kafka                    |
| kafka.image.tagPrefix              | Override default Kafka image tag prefix                         | nil                      |
| kafka.image.tag                    | Override default Kafka image tag and ignore suffix              | nil                      |
| kafka.image.digest                 | Override Kafka image tag with digest                            | nil                      |
| kafkaConnect.image.registry        | Override default Kafka Connect image registry                   | nil                      |
| kafkaConnect.image.repository      | Override default Kafka Connect image repository                 | nil                      |
| kafkaConnect.image.name            | Kafka Connect image name  | kafka                    |
| kafkaConnect.image.tagPrefix       | Override default Kafka Connect image tag prefix                 | nil                      |
| kafkaConnect.image.tag             | Override default Kafka Connect image tag and ignore suffix      | nil                      |
| kafkaConnect.image.digest          | Override Kafka Connect image tag with digest                    | nil                      |
| kafkaMirrorMaker.image.registry    | Override default Kafka Mirror Maker image registry              | nil                      |
| kafkaMirrorMaker.image.repository  | Override default Kafka Mirror Maker image repository            | nil                      |
| kafkaMirrorMaker.image.name        | Kafka Mirror Maker image name                                   | kafka                    |
| kafkaMirrorMaker.image.tagPrefix   | Override default Kafka Mirror Maker image tag prefix            | nil                      |
| kafkaMirrorMaker.image.tag         | Override default Kafka Mirror Maker image tag and ignore suffix | nil                      |
| kafkaMirrorMaker.image.digest      | Override Kafka Mirror Maker image tag with digest               | nil                      |
| cruiseControl.image.registry       | Override default Cruise Control image registry                  | nil                      |
| cruiseControl.image.repository     | Override default Cruise Control image repository                | nil                      |
| cruiseControl.image.name           | Cruise Control image name                                       | kafka                    |
| cruiseControl.image.tagPrefix      | Override default Cruise Control image tag prefix                | nil                      |
| cruiseControl.image.tag            | Override default Cruise Control image tag and ignore suffix     | nil                      |

| Parameter                          | Description   | Default        |
|------------------------------------|---|----------------|
| cruiseControl.image.digest         | Override Cruise Control image tag with digest                     | nil            |
| topicOperator.image.registry       | Override default Topic Operator image registry                    | nil            |
| topicOperator.image.repository     | Override default Topic Operator image repository                  | nil            |
| topicOperator.image.name           | Topic Operator image name   | kafka-operator |
| topicOperator.image.tag            | Override default Topic Operator image tag                         | nil            |
| topicOperator.image.digest         | Override Topic Operator image tag with digest                     | nil            |
| userOperator.image.registry        | Override default User Operator image registry                     | nil            |
| userOperator.image.repository      | Override default User Operator image repository                   | nil            |
| userOperator.image.name            | User Operator image name  | kafka-operator |
| userOperator.image.tag             | Override default User Operator image tag                          | nil            |
| userOperator.image.digest          | Override User Operator image tag with digest                      | nil            |
| kafkaInit.image.registry           | Override default Init Kafka image registry                        | nil            |
| kafkaInit.image.repository         | Override default Init Kafka image repository                      | nil            |
| kafkaInit.image.name               | Init Kafka image name   | operator       |
| kafkaInit.image.tag                | Override default Init Kafka image tag                             | nil            |
| kafkaInit.image.digest             | Override Init Kafka image tag with digest                         | nil            |
| kafkaBridge.image.registry         | Override default Kafka Bridge image registry                      | quay.io        |
| kafkaBridge.image.repository       | Override default Kafka Bridge image repository                    | strimzi        |
| kafkaBridge.image.name             | Kafka Bridge image name   | kafka-bridge   |
| kafkaBridge.image.tag              | Override default Kafka Bridge image tag                           | 0.28.0         |
| kafkaBridge.image.digest           | Override Kafka Bridge image tag with digest                       | nil            |
| kafkaExporter.image.registry       | Override default Kafka Exporter image registry                    | nil            |
| kafkaExporter.image.repository     | Override default Kafka Exporter image repository                  | nil            |
| kafkaExporter.image.name           | Kafka Exporter image name   | kafka          |
| kafkaExporter.image.tagPrefix      | Override default Kafka Exporter image tag prefix                  | nil            |
| kafkaExporter.image.tag            | Override default Kafka Exporter image tag and ignore suffix       | nil            |
| kafkaExporter.image.digest         | Override Kafka Exporter image tag with digest                     | nil            |
| kafkaMirrorMaker2.image.registry   | Override default Kafka Mirror Maker 2 image registry              | nil            |
| kafkaMirrorMaker2.image.repository | Override default Kafka Mirror Maker 2 image repository            | nil            |
| kafkaMirrorMaker2.image.name       | Kafka Mirror Maker 2 image name                                   | kafka          |
| kafkaMirrorMaker2.image.tagPrefix  | Override default Kafka Mirror Maker 2 image tag prefix            | nil            |
| kafkaMirrorMaker2.image.tag        | Override default Kafka Mirror Maker 2 image tag and ignore suffix | nil            |

| Parameter                          | Description   | Default            |
|------------------------------------|---|--------------------|
| kafkaMirrorMaker2.image.digest     | Override Kafka Mirror Maker 2 image tag with digest                   | nil                |
| kanikoExecutor.image.registry      | Override default Kaniko Executor image registry                       | nil                |
| kanikoExecutor.image.repository    | Override default Kaniko Executor image repository                     | nil                |
| kanikoExecutor.image.name          | Kaniko Executor image name  | kaniko-executor    |
| kanikoExecutor.image.tag           | Override default Kaniko Executor image tag                            | nil                |
| kanikoExecutor.image.digest        | Override Kaniko Executor image tag with digest                        | nil                |
| resources.limits.memory            | Memory constraint for limits  | 384Mi <sup>1</sup> |
| resources.limits.cpu               | CPU constraint for limits   | 1000m              |
| resources.requests.memory          | Memory constraint for requests  | 384Mi <sup>1</sup> |
| livenessProbe.initialDelaySeconds  | Liveness probe initial delay in seconds                               | 10                 |
| livenessProbe.periodSeconds        | Liveness probe period in seconds                                      | 30                 |
| readinessProbe.initialDelaySeconds | Readiness probe initial delay in seconds                              | 10                 |
| readinessProbe.periodSeconds       | Readiness probe period in seconds                                     | 30                 |
| imageTagOverride                   | Override all image tag config   | nil                |
| createGlobalResources              | Allow creation of cluster-scoped resources                            | true               |
| createAggregateRoles               | Create cluster roles that extend aggregated roles to use Strimzi CRDs | false              |
| tolerations                        | Add tolerations to Operator Pod                                       | []                 |
| affinity                           | Add affinities to Operator Pod  | {}                 |
| annotations                        | Add annotations to Operator Pod                                       | {}                 |
| labels                             | Add labels to Operator Pod  | {}                 |
| nodeSelector                       | Add a node selector to Operator Pod                                   | {}                 |
| featureGates                       | Feature Gates configuration   | nil                |
| tmpDirSizeLimit                    | Set the sizeLimit for the tmp dir volume used by the operator         | 1Mi                |
| labelsExclusionPattern             | Override the exclude pattern for exclude some labels                  | ""                 |
| generateNetworkPolicy              | Controls whether Strimzi generates network policy resources           | true               |
| connectBuildTimeoutMs              | Overrides the default timeout value for building new Kafka Connect    | 300000             |
| mavenBuilder.image.registry        | Override default Maven Builder image registry                         | nil                |
| mavenBuilder.image.repository      | Maven Builder image repository  | nil                |
| mavenBuilder.image.name            | Override default Maven Builder image name                             | maven-builder      |
| mavenBuilder.image.tag             | Override default Maven Builder image tag                              | nil                |
| mavenBuilder.image.digest          | Override Maven Builder image tag with digest                          | nil                |
| logConfiguration                   | Override default log4j.properties content                             | nil                |

<sup>1</sup> The default value is incorrectly documented as 256Mi in the README of the Helm chart. The default value is 384Mi.

| Parameter                   | Description  | Default                    |
|-----------------------------|--|----------------------------|
| logLevel                    | Override default logging level                                       | INFO                       |
| dashboards.enable           | Generate configmaps containing the dashboards                        | false                      |
| dashboards.label            | How should the dashboards be labeled for the sidecar                 | grafana_dashboard          |
| dashboards.labelValue       | What should the dashboards label value be for the sidecar            | "1"                        |
| dashboards.extraLabels      | Any additional labels you would like on the dashboards               | { }                        |
| dashboards.namespace        | What namespace should the dashboards be loaded into                  | Follows toplevel Namespace |
| dashboards.annotations      | Any custom annotations (such as folder for the sidecar)              | { }                        |
| clouderaLicense.fileContent | Cloudera license content   | nil                        |
| clouderaLicense.secretRef   | The name of the Kubernetes secret that contains the Cloudera license | nil                        |