

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 ¹
resources.limits.cpu	CPU constraint for limits	1000m
resources.requests.memory	Memory constraint for requests	384Mi ¹
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

¹ 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