Digital Channels Private Edition Guide

Configure Digital Channels

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Contents

Learn how to configure Digital Channels.

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Complete the steps on this page to configure your Digital Channels deployment.

Override Helm chart values

You can specify parameters for the deployment by overriding Helm chart values in the **values.yaml** file. See the **Parameters** table for a full list of overridable values.

For more information about how to override Helm chart values, see Overriding Helm chart values.

Parameters

Parameter	Description	Valid values	Default
global.imageRegistry	The Docker registry from which Kubernetes pulls images.	A valid registry URL	nil
global.imagePullSecrets	An array of global docker-registry secret names.	An array of secret names	[] (does not add image pull secrets to deployed pods)
global.storageClass	The global storage class used for dynamic provisioning.	A valid storage class	nil
image.registry	The Nexus image registry.	A valid registry URL	TBD
image.repository	The Nexus image name.	A valid image name	nexus/nexus
image.pullPolicy	Specifies when Kubernetes pulls images from the registry on start up.	IfNotPresent or Always	IfNotPresent
imagePullSecrets	An array of docker-registry secret names.	An array of secret names	[] (does not add image pull secrets to deployed pods)

Parameter	Description	Valid values	Default
nameOverride	A string to partially override the nexus.fullname template. This string is prepended to the release name.	String	nil
fullnameOverride	A string to fully override the nexus.fullname template.	String	nil
nexus.redirectProtocol	Defines the Web Services and Applications to Nexus redirect protocol (HTTP or HTTPS).	A valid protocol	http://
nexus.fqdn	The internal or external URI of the nexus services.	http://nexus.nexus.svc or http(s)://	nil
nexus.redis.enabled	Specifies whether to use Redis. You must not changes this from the default value of true.	true	true
nexus.redis.nodes	A comma-separated list of Redis nodes to connect.	A valid URL	redis://nexus-redis-master.default.svc.cluster.local:6379
nexus.redis.useCluster	Specifies whether to deploy Redis as a cluster.	true or false	false
nexus.redis.enableTls	Specifies whether to use TLS on the Redis connection.	true or false	false
nexus.redis.password	The password for Redis authentication.	A valid password	""
nexus.db.host	The Postgres service URL.	A valid URL	nexus-postgres-postgresql.default.svc.cluster.local
nexus.db.port	The Postgres service port.	A valid port	5432
nexus.db.user	The user assigned for the Nexus application to access Postgres.	A valid user	nexus
nexus.db.password	The password assigned for the Nexus application to access Postgres.	A valid password	nexus
nexus.db.enableSSL	Enable an SSL connection to PostgreSQL.	true or false	false
podSecurityContext.runAsNonRoot	Specifies whether the	true or false	true

Parameter	Description	Valid values	Default
	container must run as a non-root user.		
podSecurityContext.runAsUser	The user ID to run the entry point of the container process.	A valid user ID	500
podSecurityContext.runAsGroup	The group ID to run the entry point of the container process.	A valid group ID	500
podSecurityContext.fsGroup	A supplemental group ID that applies to all containers in a pod.	A valid group ID	500
resources	The requests and limits for CPU and memory usage in Kubernetes. See the Kubernetes documentation for details.		requests: { cpu: "300m", memory: "512Mi" }
affinity	Specifies the affinity and anti-affinity for Digital Channels pods. See the Kubernetes documentation for details.	Object	{}
nodeSelector	The labels Kubernetes uses to assign pods to nodes. See the Kubernetes documentation for details.	Object	{}
tolerations	The tolerations Kubernetes uses for advanced pod scheduling. See the Kubernetes documentation for details.	Object	[]
priorityClassName	The class name Kubernetes uses to determine the priority of a pod relative to other pods. See the Kubernetes documentation for details.	A valid priority class name	""
monitoring.enabled	Specifies whether to deploy Custom Resource Definitions (CRD) for ServiceMonitors to determine which services should be	true or false	false

Parameter	Description	Valid values	Default
	monitored.		
service.type	The Kubernetes service type.	See the Kubernetes documentation for details.	LoadBalancer
service.port	The Kubernetes service HTTP port.	A valid port	80
service.httpsPort	The Kubernetes service HTTPS port.	A valid port	443
service.nodePorts.http	The Kubernetes service HTTP node port.	A valid port	""
service.nodePorts.https	The Kubernetes service HTTPS node port.	A valid port	""
service.externalTrafficPolicy	Enables client source IP preservation. See the Kubernetes documentation for details.	Cluster or Local	Cluster
service.loadBalancerIP	The IP address of the load balancer service.	A valid IP address	""
ingress.enabled	Enables the ingress controller resource.	true or false	false
ingress.annotations	The ingress annotations.	A valid set of annotations as "name: value"	[]
ingress.certManager	Add annotations for cert-manager.	true or false	false
ingress.hosts[0].name	The hostname of your Nexus installation.	A valid hostname	nexus.local

ingress.hosts[0].paths	The internal or external URI of the nexus services.	`paths:`
		`  - path: '/chat/v3/'`
		`  port: http`
		`  - path: '/nexus/v3/'`
		`  port: http`
		`  - path: '/ux/'`
		`  port: http`
		`  - path: '/admin/'`
		`  port: http`
		`  - path: '/auth/'`
		`  port: http`
		`  - path: '/health/'`
		`  port: http`
		
		or
		
		`paths:`
		`  - path: '/'`
		`  port: http`
			/

Parameter	Description	Valid values	Default
ingress.hosts[0].tls	Specifies whether to use TLS backend in ingress.	true or false	false
ingress.hosts[0].tlsHosts	An array of TLS hosts for ingress record. If nil, this value defaults to the value of ingress.hosts[0].name.	Valid hosts	nil
ingress.hosts[0].tlsSecret	The TLS secret (certificates).	A valid secret	nexus.local-tls-secret
ingress.secrets[0].name	The TLS secret name.	A valid name	nil
ingress.secrets[0].certificate	The TLS secret certificate.	A valid certificate	nil
ingress.secrets[0].key	The TLS secret key.	A valid key	nil
podAnnotations	Custom annotations for each pod.	A valid set of labels as "name: value"	`{}`

Configure security

To learn more about how security is configured for private edition, be sure to read Permissions and OpenShift security settings.

The security context settings define the privilege and access control settings for pods and containers.

By default, the user and group IDs are set in the **values.yaml** file as `500:500:500`, meaning the **genesys** user.

```
podSecurityContext:
    runAsUser: 500
    runAsGroup: 500
    fsGroup: 500
    runAsNonRoot: true
```