

Deploy Red Hat OpenShift Virtualization with NetApp ONTAP

NetApp Solutions

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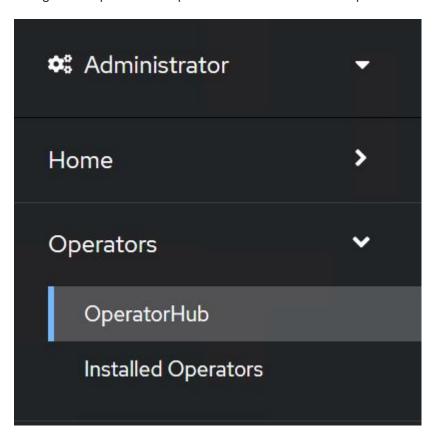
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Deploy Red Hat OpenShift Virtualization with NetApp ONTAP

To install OpenShift Virtualization, complete the following steps:

- 1. Log into the Red Hat OpenShift bare-metal cluster with cluster-admin access.
- 2. Select Administrator from the Perspective drop down.
- 3. Navigate to Operators > OperatorHub and search for OpenShift Virtualization.



4. Select the OpenShift Virtualization tile and click Install.

Install

Latest version

2.6.2

Requirements

Capability level

Basic Install

Seamless Upgrades

Full Lifecycle

Deep Insights
Auto Pilot

Provider type

Red Hat

Provider Red Hat riequirements

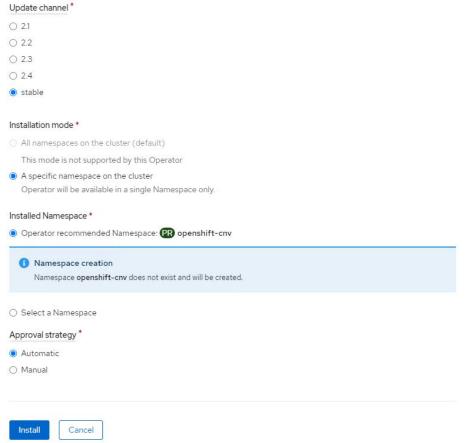
Your cluster must be installed on bare metal infrastructure with Red Hat Enterprise Linux CoreOS workers.

Details

OpenShift Virtualization extends Red Hat OpenShift Container Platform, allowing you to host and manage virtualized workloads on the same platform as container-based workloads. From the OpenShift Container Platform web console, you can import a VMware virtual machine from vSphere, create new or clone existing VMs, perform live migrations between nodes, and more. You can use OpenShift Virtualization to manage both Linux and Windows VMs.

The technology behind OpenShift Virtualization is developed in the KubeVirt open source community. The KubeVirt project extends Kubernetes by adding additional virtualization resource types through Custom Resource Definitions (CRDs). Administrators can use Custom Resource Definitions to manage VirtualMachine resources alongside all other resources that Kubernetes provides.

5. On the Install Operator screen, leave all default parameters and click Install.





6. Wait for the operator installation to complete.

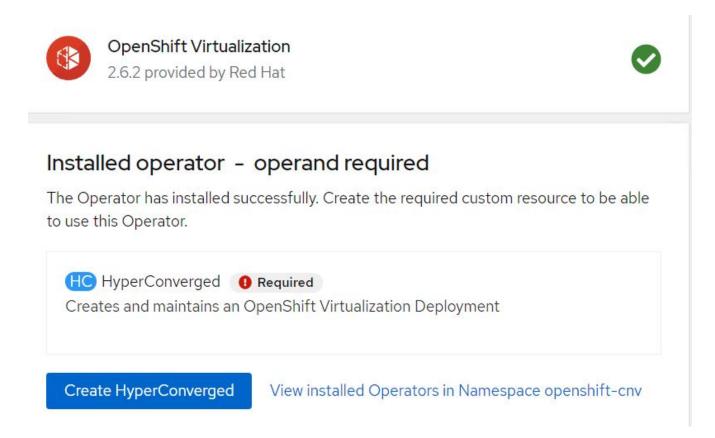


Installing Operator

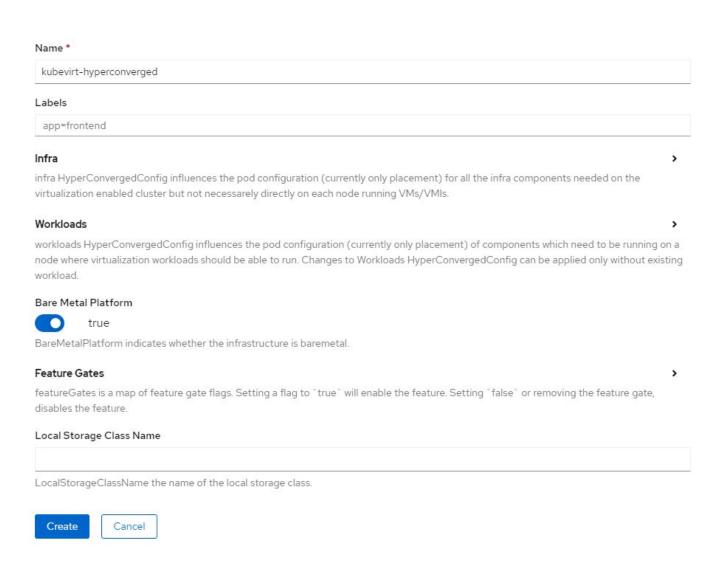
The Operator is being installed. This may take a few minutes.

View installed Operators in Namespace openshift-cnv

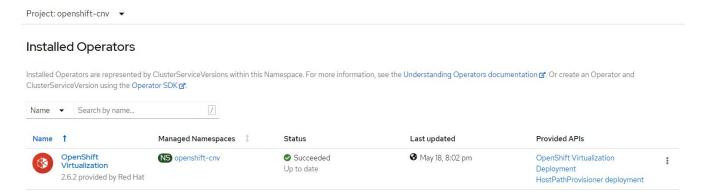
7. After the operator has installed, click Create HyperConverged.



8. On the Create HyperConverged screen, click Create, accepting all default parameters. This step starts the installation of OpenShift Virtualization.



After all the pods move to the Running state in the openshift-cnv namespace and the OpenShift Virtualization operator is in the Succeeded state, the operator is ready to use. VMs can now be created on the OpenShift cluster.



Next: Workflows: Create VM.

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