



# **Deploy Advanced Cluster Management for Kubernetes: Red Hat OpenShift with NetApp**

**NetApp Solutions**

Nikhil M Kulkarni, Dorian Henderson  
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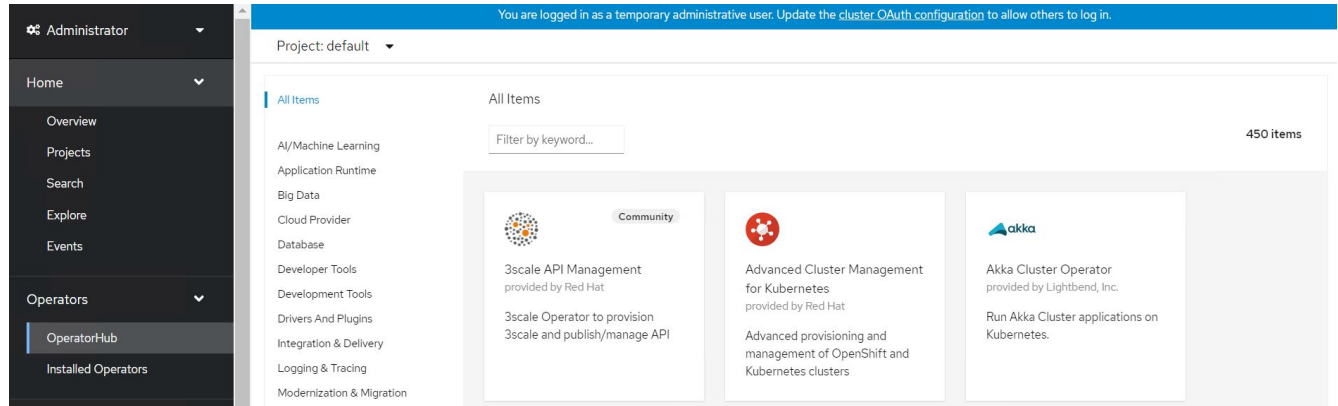
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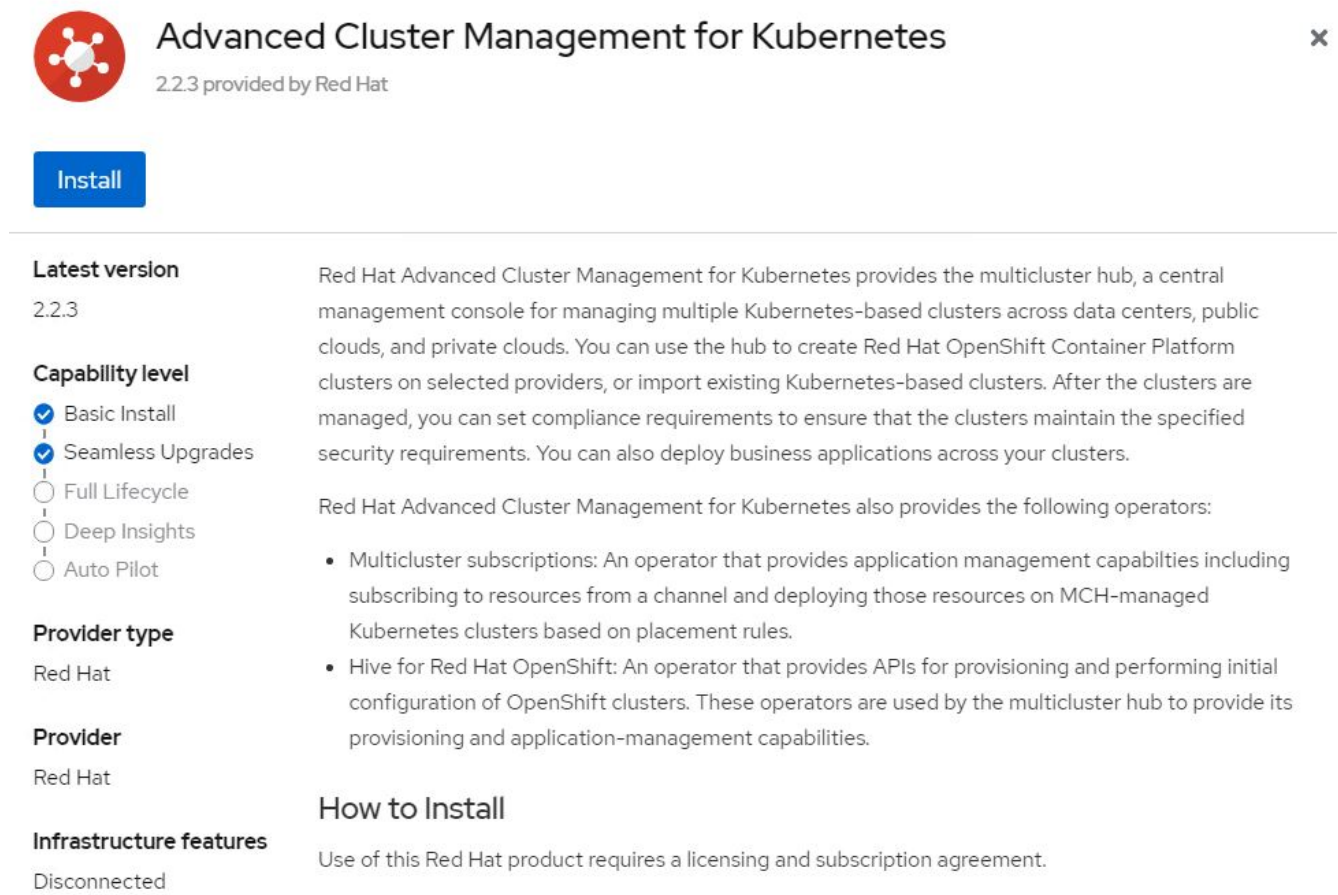
# Deploy Advanced Cluster Management for Kubernetes: Red Hat OpenShift with NetApp

To install Advanced Cluster Management for Kubernetes on an OpenShift cluster, complete the following steps:

1. Choose an OpenShift cluster as the hub cluster and log into it with cluster-admin privileges.
2. Navigate to **Operators** → **Operators Hub** and search for **Advanced Cluster Management for Kubernetes**.



3. Select the **Advanced Cluster Management for Kubernetes** and click **Install**.



4. On the Install Operator screen, provide the necessary details (NetApp recommends retaining the default

parameters) and click **Install**.

[OperatorHub](#) > Operator Installation

## Install Operator

Install your Operator by subscribing to one of the update channels to keep the Operator up to date. The strategy determines either manual or automatic updates.

### Update channel \*

- ☐ release-2.0
- ☐ release-2.1
- ☒ release-2.2

### Installation mode \*

- ☐ All namespaces on the cluster (default)  
This mode is not supported by this Operator
- ☒ A specific namespace on the cluster  
Operator will be available in a single Namespace only.

### Installed Namespace \*

- ☒ Operator recommended Namespace: **PR** open-cluster-management

#### Namespace creation

Namespace **open-cluster-management** does not exist and will be created.

- ☐ Select a Namespace

### Approval strategy \*

- ☒ Automatic
- ☐ Manual

**Install**

Cancel

5. Wait for the operator installation to complete.



**Advanced Cluster Management for Kubernetes**



2.2.3 provided by Red Hat

## Installing Operator

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



[View installed Operators in Namespace open-cluster-management](#)

6. After the operator is installed, click **Create MultiClusterHub**.

 **Advanced Cluster Management for Kubernetes**  
2.2.3 provided by Red Hat 

## Installed operator – operand required

The Operator has installed successfully. Create the required custom resource to be able to use this Operator.

 **MultiClusterHub**  **Required**

Advanced provisioning and management of OpenShift and Kubernetes clusters

[View installed Operators in Namespace open-cluster-management](#)

[Create MultiClusterHub](#)

7. On the **Create MultiClusterHub** screen, click **Create** after furnishing the details. This initiates the installation of a multi-cluster hub.


Project: open-cluster-management ▾


Advanced Cluster Management for Kubernetes > Create MultiClusterHub

### Create MultiClusterHub

Create by completing the form. Default values may be provided by the Operator authors.

Configure via: ☒ Form view ☐ YAML view

 **Note:** Some fields may not be represented in this form view. Please select "YAML view" for full control.

 **MultiClusterHub**  
provided by Red Hat  
MultiClusterHub defines the configuration for an instance of the MultiCluster Hub

**Name \***

**Labels**



[Advanced configuration](#)

[Create](#) [Cancel](#)

8. After all the pods move to the **Running** state in the open-cluster-management namespace and the operator moves to the **Succeeded** state, Advanced Cluster Management for Kubernetes is installed.


## Installed Operators

Installed Operators are represented by ClusterServiceVersions within this Namespace. For more information, see the [Understanding Operators documentation](#). Or create an Operator and ClusterServiceVersion using the [Operator SDK](#).

Name ▾	Search by name...	
Name ↑	Managed Namespaces ↓	Status
 <b>Advanced Cluster Management for Kubernetes</b> 2.2.3 provided by Red Hat	<b>NS</b> open-cluster-management	 Succeeded Up to date
		<b>Provided APIs</b> MultiClusterHub ClusterManager ClusterDeployment ClusterState <a href="#">View 25 more...</a>

9. It takes some time to complete the hub installation, and, after it is done, the MultiCluster hub moves to **Running** state.

Installed Operators > Operator details

 **Advanced Cluster Management for Kubernetes**  
2.2.3 provided by Red Hat



Actions ▾

Details | **YAML** | Subscription | Events | All instances | **MultiClusterHub** | ClusterManager | ClusterDeployment | ClusterSt...

**MultiClusterHubs** Create MultiClusterHub

Name ▾

Search by name...

Name ↑	Kind ↓	Status ↓	Labels ↓
 multiclusterhub	MultiClusterHub	Phase:  Running	No labels

10. It creates a route in the open-cluster-management namespace, connect to the URL in the route to access the Advanced Cluster Management console.

## Routes

Create Route




Filter ▾

Name ▾

mul

Name mul ✕

[Clear all filters](#)

Name ↑	Status	Location ↓	Service ↓
 multicloud-console	 Accepted	<a href="https://multicloud-console.apps.ocp-vmware2.cie.netapp.com">https://multicloud-console.apps.ocp-vmware2.cie.netapp.com</a>	 management-ingress

Next: [Features - Cluster Lifecycle Management](#).

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