



Features: Advanced Cluster Management for Kubernetes on Red Hat OpenShift with NetApp

NetApp Solutions

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Cluster Lifecycle Management

To manage different OpenShift clusters, you can either create or import them into Advanced Cluster Management.

1. First navigate to [Automate Infrastructures > Clusters](#).
2. To create a new OpenShift cluster, complete the following steps:
 - a. Create a provider connection: Navigate to [Provider Connections](#) and click on [Add a connection](#), provide all the details corresponding to the selected provider type and click on [Add](#).

Select a provider and enter basic information

Provider * ⓘ

 Amazon Web Services

Connection name * ⓘ

nik-hcl-aws

Namespace * ⓘ

default

Configure your provider connection

Base DNS domain ⓘ

cie.netapp.com

AWS access key ID * ⓘ

AKIATCFBZDOIASDSA

AWS secret access key * ⓘ

.....

Red Hat OpenShift pull secret * ⓘ

```
FuS3pNbktVaHplNFc2MkZsbmtBVGN6TktmUIZXcHcxOW9teEZwQ0lYIld3cjJobGxJeDBQN0xlZE0yeGM5Q0ZwZk5RR2JUanlxNnNUM2IRb0FJb
UFJlNCIBYlplEwVZE0HItNkxTMDZPUVpoWFRHcGwtREIDQ2RSYlJRaTlxblDLT2oyQ3pVeUJfNllwcENSa2YyOU5yLWZGSFVfNA==", "email": "Nikhil.k
ulkarni@netapp.com"}, "registry.redhat.io":
```

SSH private key * ⓘ

```
-----BEGIN OPENSSH PRIVATE KEY-----
b3BlbnNzaC1rZXktdjEAAAABAG5vbmUAAAABasdadssadm9uZQAAAAAAAAABAAAAAMwAAAtzc2gtZW
QyNTUxOQAAACCLcwLgAvSIHAeP+DevIRNzaG2zkNreMIZ/UHyf0UWvAAAAA.Jhywa6xf8Gu
```

SSH public key * ⓘ

```
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIltzAuAC746agdh2lcB4/4N6/VE3NobbOQ2t4zVn9QfJ/RRa8A root@nik-rhel8
```

- b. To create a new cluster, navigate to [Clusters](#) and click [Add a cluster > Create a cluster](#).


Provide the details for the cluster and the corresponding provider, and click **Create**.

Configuration


Cluster name * ?


Distribution


Select the type of Kubernetes distribution to use for your cluster.


 Red Hat OpenShift


Select an infrastructure provider to host your Red Hat OpenShift cluster.

 Amazon Web Services

 Google Cloud

 Microsoft Azure

 VMware vSphere

 Bare Metal

Release image * ?

Provider connection * ?

[Add a connection](#)

- c. After the cluster is created, it appears in the cluster list with the status **Ready**.
3. To import an existing cluster, complete the following steps:
 - a. Navigate to **Clusters** and click **Add a cluster** > **Import an existing cluster**.
 - b. Enter the name of the cluster and click **Save import and generate code**. A command to add the existing cluster is displayed.
 - c. Click **Copy command** and run the command on the cluster to be added to the hub cluster. This initiates the installation of the necessary agents on the cluster, and, after this process is complete, the cluster appears in the cluster list with status **Ready**.

Name *

ocp-vmwl

Additional labels

Once you click on "Save import and generate code", the information you entered will be used to generate the code and cannot be modified anymore. If you wish to change any information, you will have to delete and re-import this cluster.

Code generated successfully

✓ Import saved

Run a command

1. Copy this command

Click the button to have the command automatically copied to your clipboard.

Copy command 

2. Run this command with kubectl configured for your targeted cluster to start the import

Log in to the existing cluster in your terminal and run the command.

View cluster

Import another

4. After you create and import multiple clusters, you can monitor and manage them from a single console.

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

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