Using OpenShift Cluster Manager to work with your OpenShift clusters
Abstract

This guide provides instructions for using OpenShift Cluster Manager to work with your OpenShift Container Platform and OpenShift Dedicated clusters. OpenShift Cluster Manager allows you to create, subscribe, and manage different types of OpenShift clusters from a single user interface.
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CHAPTER 1. WHAT IS OPENSHIFT CLUSTER MANAGER?

OpenShift Cluster Manager is a managed service where you can install, operate and upgrade your Red Hat OpenShift 4 clusters. OpenShift Cluster Manager provides the links and steps to install OpenShift Container Platform clusters and is responsible for managing both OpenShift Container Platform clusters after self-installation and OpenShift Dedicated clusters.

From OpenShift Cluster Manager, you can work with all of your organization's OpenShift Container Platform and managed OpenShift clusters from a single dashboard.

From OpenShift Cluster Manager, you can:

- View high level cluster information
- Create new clusters
- Configure Red Hat subscription services on your clusters
- Manage your clusters using other services on the Red Hat cloud platform.
- Monitor clusters for problems
- Access the cluster admin console

1.1. GETTING STARTED WITH OPENSHIFT CLUSTER MANAGER

- To access OpenShift Cluster Manager, go to https://cloud.redhat.com/openshift/.
- To start using OpenShift Cluster Manager, you will need:
  - A Red Hat login
  - A supported web browser. For details about web browser requirements, see the Browser Support link at the bottom of the cloud platform landing page.

Additional resources

You can find documentation for these related products and services here:

- OpenShift Container Platform documentation
- OpenShift Dedicated documentation
- Subscriptions documentation
- Red Hat Insights for OpenShift (Remote health monitoring with connected clusters) documentation

1.2. WHAT IS THE DIFFERENCE BETWEEN OPENSHIFT CONTAINER PLATFORM AND OPENSHIFT DEDICATED?

OpenShift Container Platform clusters are self-managed and run on-premises or on a cloud provider. OpenShift Dedicated clusters are managed by Red Hat and run on a cloud provider.
OpenShift Container Platform is a self-managed hybrid cloud platform. With OpenShift Container Platform, you can create your clusters on any private or public cloud or bare metal, using your own infrastructure.

OpenShift Dedicated is a fully managed service for Red Hat OpenShift, which uses Amazon Web Services (AWS) or Google Cloud Platform. With OpenShift Dedicated, you can run your clusters on Red Hat’s managed cloud account, or on your own AWS or Google Cloud Platform (GCP) cloud provider account. OpenShift Dedicated clusters are referred to as managed clusters.

OpenShift Cluster Manager allows you to create and manage your OpenShift Container Platform and OpenShift Dedicated clusters from one dashboard.

Additional resources

- See https://www.openshift.com/products to learn more about OpenShift products.
- See OpenShift deployment methods for more information about the different types of OpenShift deployments.

### 1.3. USING OPENSHIFT CLUSTER MANAGER WITH OPENSHIFT CONTAINER PLATFORM

OpenShift Cluster Manager provides a user interface to create OpenShift Container Platform clusters and subscribe the clusters to Red Hat for support.

OpenShift Cluster Manager provides the installer and instructions to create clusters on each supported environment for OpenShift Container Platform.

You can then view and manage your OpenShift Container Platform clusters in OpenShift Cluster Manager, or log into the OpenShift Container Platform web console to access and configure your clusters.

Additional resources

- For more information on using OpenShift Container Platform, see the OpenShift Container Platform documentation.

### 1.4. USING OPENSHIFT CLUSTER MANAGER WITH OPENSHIFT DEDICATED

OpenShift Cluster Manager provides a user interface to create, view and manage your OpenShift Dedicated clusters.

OpenShift Dedicated clusters are managed by Red Hat and are known as managed clusters. You can create OpenShift Dedicated clusters on AWS or Google Cloud Platform, using either Red Hat’s managed cloud account or your own cloud provider account. When using your own cloud provider account, this billing model is referred to as Customer Cloud Subscription (CCS) in OpenShift Cluster Manager.

Additional resources

- For more information on using OpenShift Dedicated and accessing your clusters, see the OpenShift Dedicated documentation.
1.5. USING OPENSIFT CLUSTER MANAGER WITH THE CLOUD PLATFORM

OpenShift Cluster Manager is integrated with other services hosted on Red Hat’s cloud platform, allowing you to use other services to manage and gain deeper understanding of your OpenShift clusters:

- **Red Hat Insights for OpenShift** monitors the health of your OpenShift Container Platform clusters and helps you identify, prioritize, and resolve risks to security, performance, availability, and stability. You can access Red Hat Insights for OpenShift by selecting an OpenShift Container Platform cluster in OpenShift Cluster Manager, then viewing the *Insights Advisor* tab for that cluster.

- **Subscriptions** allows you to monitor your usage and subscription information for your OpenShift clusters.

- **Cost management** aggregates and displays the costs of your OpenShift deployment and infrastructure across bare-metal servers, virtual machines, private clouds and public cloud infrastructure, including AWS and Microsoft Azure.

You need a Red Hat account to access OpenShift Cluster Manager and the cloud platform. You can then deploy an OpenShift cluster in OpenShift Cluster Manager.

Additional resources

- See [Remote Health Monitoring with Connected Clusters](#) for information about Red Hat Insights for OpenShift.

- Subscriptions documentation

- Cost management documentation

- See the cloud platform documentation on the [Red Hat documentation page](#) for more information about using cloud.redhat.com and its services.

- Sign up for a free Red Hat account at [https://www.redhat.com/wapps/ugc/register.html](https://www.redhat.com/wapps/ugc/register.html).

1.6. USING OPENSIFT CLUSTER MANAGER WITH OPENSIFT DEDICATED ADD-ONS

OpenShift Cluster Manager allows you to install additional services to your OpenShift Dedicated clusters through the Add-ons area of OpenShift Cluster Manager.

Depending on the add-on, you may need additional Red Hat subscriptions to access it. See the documentation for the add-on service you are using to learn more about the requirements.

Additional resources

- For instructions for adding on a service to your OpenShift Dedicated cluster, see Adding on a service to your cluster in the OpenShift Dedicated documentation.
CHAPTER 2. MANAGING THE CLUSTER LIFECYCLE

You can use OpenShift Cluster Manager to create and delete OpenShift clusters, and manage the cluster lifecycle.

2.1. CREATING CLUSTERS

2.1.1. Creating an OpenShift Container Platform cluster

OpenShift Container Platform clusters run on your own infrastructure. Using OpenShift Container Platform, you can create your clusters on a private or public cloud, or on bare metal, using the command-line installer.

Create your cluster using OpenShift Cluster Manager and the installer for your environment or cloud account.

After provisioning your cluster, configure your Red Hat subscription to get support for your cluster. See Subscribing an OpenShift Container Platform cluster for instructions.

Prerequisites

- A Red Hat login
- Your own on-premises infrastructure. For example, a platform such as Red Hat Virtualization or Red Hat OpenStack; a cloud provider such as AWS; or a bare-metal Linux machine.

Procedure

1. Go to https://cloud.redhat.com/openshift/ and click Create cluster.

2. Select the location where you want to install your cluster: in the public cloud (Cloud > Run it yourself), in your datacenter (Datacenter), or on your laptop (Sandbox).

3. Download the provided openshift-install program.

4. Download the pull secret.

   IMPORTANT

   Do not share your pull secret. The pull secret should be treated like a password.

5. Follow the instructions provided in the OpenShift Cluster Manager user interface to create your OpenShift cluster.

By default, your cluster automatically registers to the OpenShift Cluster Manager service the first time your cluster boots after installation and is connected to the Telemetry service. The cluster is registered with a 60-day evaluation subscription which does not include Red Hat support.

Verification steps

- After your cluster is provisioned, you can view it in the Clusters list in OpenShift Cluster Manager.

Next steps
After creating your OpenShift Container Platform cluster, you can use OpenShift Cluster Manager to:

- Configure your Red Hat subscription to get support for your cluster from the **Edit subscriptions settings** menu. You can subscribe your OpenShift Container Platform clusters to an annual Red Hat subscription or an on-demand subscription from the Red Hat Marketplace.

See [Subscribing an OpenShift Container Platform cluster](#) for instructions and more information about subscription types for clusters.

- View health monitoring data, recommendations from Insights, and Telemetry metrics for your cluster from the cluster details page.

- Contact Red Hat Support in case of any issues.

**Additional resources**

- See the [OpenShift Container Platform installation documentation](#) for information about configuring and working with your clusters.

- Learn more about OpenShift health monitoring with Telemetry and the Insights Operator in [Remote health monitoring with connected clusters](#).

### 2.1.2. Creating an OpenShift Dedicated cluster

OpenShift Dedicated clusters are managed by Red Hat and provisioned on Amazon Web Services or Google Cloud Platform. They are referred to as **managed clusters**.

You can create an OpenShift Dedicated cluster on your own AWS or Google Cloud Platform cloud provider (Customer Cloud Subscription), or use Red Hat’s fully-managed cloud to run your OpenShift Dedicated clusters.

Create your OpenShift Dedicated clusters in OpenShift Cluster Manager using your Red Hat subscriptions. These clusters are automatically subscribed to a Red Hat subscription type of your choice and come with Premium-level support.

You can use one of the following types of Red Hat subscriptions to create OpenShift Dedicated clusters:

- **Annual**: A subscription providing a fixed capacity of resources, pre-purchased from Red Hat. Cluster provisioning is based on available quota. Quota is allocated from your Red Hat subscriptions and is required to scale up a cluster.

- **On-demand**: A subscription allowing flexible usage, billed through the Red Hat Marketplace. When you enable an on-demand subscription in Red Hat Marketplace, you set resource limits for your services to control usage automatically.

- **OpenShift Dedicated trial**: You can try OpenShift Dedicated for 60 days free of charge with a trial Red Hat subscription. You can upgrade your cluster to a paid Red Hat subscription at any time. See [About the OpenShift Dedicated Trial](#) for more details.

You can view your quota and resource limits alongside cluster usage, based on your active OpenShift Dedicated clusters, from the **Subscriptions** menu in OpenShift Cluster Manager.
IMPORTANT

You must select the subscription type when creating the cluster. You cannot change the subscription type on an existing OpenShift Dedicated cluster, with the exception of upgrading a trial subscription. To create a new cluster, see Creating an OpenShift Dedicated cluster.

Additional resources

- Learn more about creating an OpenShift Dedicated cluster in Creating your cluster in the OpenShift Dedicated documentation.
- For more information about subscription types, see Managing OpenShift Dedicated cluster subscriptions.
- Learn more about Red Hat Marketplace subscriptions.
- Learn more about trying OpenShift Dedicated in About the OpenShift Dedicated Trial.

2.1.2.1. Creating an OpenShift Dedicated cluster with an annual subscription

You can create an OpenShift Dedicated cluster using a annual (fixed capacity) Red Hat subscription on your own AWS or Google Cloud Platform cloud provider (Customer Cloud Subscription), or use Red Hat’s fully-managed cloud to run your OpenShift Dedicated clusters.

This is the traditional Red Hat subscription type and support is pre-purchased from Red Hat and billed annually. Cluster provisioning is based on available quota. Quota is allocated from Red Hat subscriptions and is required to scale up a cluster.

To use an on-demand (flexible usage) subscription for your cluster, see Creating an OpenShift Dedicated cluster with an on-demand subscription.

IMPORTANT

You cannot change a cluster’s subscription type after the cluster is created.

Prerequisites

- A Red Hat account.
- An active Red Hat OpenShift Dedicated subscription with sufficient quota to create a cluster. Check your available quota from Subscriptions > Dedicated (Annual).
- If you are creating a cluster on your own AWS or Google Cloud (Customer Cloud Subscription), you must configure your cloud account before creating your cluster. See Requirements for Customer Cloud Subscriptions for instructions.

Procedure

1. From OpenShift Cluster Manager, click Create cluster.
2. From the Cloud tab next to OpenShift Dedicated, click Create cluster. You can also view your available quota from this screen before creating your cluster.
3. Select your infrastructure provider to run your cluster on: AWS or Google Cloud.
4. Select **Annual** as your **Subscription type**.

**IMPORTANT**

You cannot change the subscription type after the cluster is created.

5. Select your **Infrastructure type**:

   - **Standard** deploys your cluster in cloud provider accounts owned by Red Hat. For this option, Red Hat handles all billing and management for your cluster.

   - **Customer cloud subscription** uses your own cloud account, where you control billing and Red Hat manages the cluster for you. You must configure your cloud account before creating your cluster. See **Requirements for Customer Cloud Subscriptions** for instructions.

6. Configure basic cluster settings.

**NOTE**

See the OpenShift Dedicated documentation for more information about configuring your cluster’s settings.

7. Click **Create cluster** to provision your cluster.

**Verification**

- While your cluster is being provisioned, you can view it in the **Clusters** list on OpenShift Cluster Manager. The cluster will show its **Status** as **Ready** when provisioning is complete.

**Next steps**

After creating your OpenShift Dedicated cluster and its status is **Ready**, you can:

- Configure an Identity Provider to set up user access. See **Authentication** in the OpenShift Dedicated documentation.

- Configure privileged **dedicated-admin** and **cluster-admin** (also referred to as cluster owner) users for your cluster. Learn more about OpenShift Dedicated roles in the **Authentication** guide.

- Scale your OpenShift Dedicated cluster up or down, if you have purchased the necessary subscriptions to do so. See **Scaling your cluster** for instructions.

- Install add-ons to expand your cluster’s capabilities.

- View a summary of your cluster’s usage and quota in **Subscriptions > Dedicated (Annual)**.

**Additional resources**

- Learn more about creating an OpenShift Dedicated cluster in **Creating your cluster** in the OpenShift Dedicated documentation.

- Learn more about subscription types in **Managing OpenShift Dedicated cluster subscriptions**.

### 2.1.2.2. Creating an OpenShift Dedicated cluster with an on-demand subscription
You can use the **On-demand** subscription type to create an OpenShift Dedicated cluster that is billed by usage. Billing is post-paid and handled by the Red Hat Marketplace.

When you enable an on-demand subscription in Red Hat Marketplace, you set resource limits for your services to control maximum usage automatically.

This option allows the flexibility to scale your cluster up and down as needed, and to be billed accordingly. You can track usage by cluster in Subscriptions > Dedicated (On-Demand).

To use an annual (fixed capacity) subscription for your cluster, see *Creating an OpenShift Dedicated cluster with an annual subscription*.

**IMPORTANT**

You cannot change a cluster’s subscription type after the cluster is created.

**Prerequisites**

- A Red Hat account.
- An active OpenShift Dedicated on-demand subscription enabled from the Red Hat Marketplace with resource limits configured.
  - Check your resource limits from the Subscriptions > Dedicated (On-Demand Limits) area in OpenShift Cluster Manager. If no resource limits display, enable on-demand subscriptions in Red Hat Marketplace.
  - See [OpenShift Dedicated subscriptions from Red Hat Marketplace](#) to enable your subscription and learn more.
- Your own AWS or Google Cloud account, configured as described in [Requirements for Customer Cloud Subscriptions](#).

**Procedure**

1. From OpenShift Cluster Manager, click **Create cluster**.
2. From the **Cloud** tab next to **OpenShift Dedicated**, click **Create cluster**. You can also view your available quota from this screen before creating your cluster.
3. Select your infrastructure provider to run your cluster on: **AWS** or **Google Cloud**.
4. Select **On-demand** as your **Subscription type**.

**NOTE**

If **On-demand** is not available as an option, follow the prompts in the user interface to enable an account and link your billing information in the Red Hat Marketplace. You can also verify whether on-demand billing (Red Hat Marketplace subscriptions) is configured from the Subscriptions > Dedicated (On-Demand Limits) in OpenShift Cluster Manager.

You cannot change the subscription type after the cluster is created.

5. Select your **Infrastructure type**.
• **Standard** deploys your cluster in cloud provider accounts owned by Red Hat. For this option, Red Hat handles all billing and management for your cluster.

• **Customer cloud subscription** uses your own cloud account, where you control billing and Red Hat manages the cluster for you. You must configure your cloud account before creating your cluster. See Requirements for Customer Cloud Subscriptions for instructions.

**NOTE**

If you are using an on-demand subscription, you must select Customer cloud subscription.

6. Configure basic cluster settings.

**NOTE**

See the OpenShift Dedicated documentation for more information about configuring your cluster’s settings.

7. Click **Create cluster** to provision your cluster.

**Verification**

- While your cluster is being provisioned, you can view it in the Clusters list on OpenShift Cluster Manager. The cluster will show its Status as Ready when provisioning is complete.

**Next steps**

After creating your OpenShift Dedicated cluster and its status is Ready, you can:

- Configure an Identity Provider to set up user access. See Authentication in the OpenShift Dedicated documentation.

- Configure privileged dedicated-admin and cluster-admin (also referred to as cluster owner) users for your cluster. Learn more about OpenShift Dedicated roles in the Authentication guide.

- Scale your OpenShift Dedicated cluster up or down, if you have purchased the necessary subscriptions to do so. See Scaling your cluster for instructions.

- Install add-ons to expand your cluster’s capabilities.

- View a summary of your cluster’s usage in Subscriptions > Dedicated (On-Demand).

- View a summary of your cluster’s resource limits in Subscriptions > Dedicated (On-Demand Limits).

**Additional resources**

- Learn more about creating an OpenShift Dedicated cluster in Creating your cluster in the OpenShift Dedicated documentation.

- Learn more about subscription types in Managing OpenShift Dedicated cluster subscriptions.

- Learn more about Red Hat Marketplace subscriptions.
2.1.2.3. Creating an OpenShift Dedicated cluster with a free trial Red Hat subscription

You can try OpenShift Dedicated free of charge for 60 days by using a trial Red Hat subscription.

OpenShift Dedicated trial clusters are provided without an uptime service level agreement (SLA) and are self-supported.

To use a free trial subscription for your cluster, you need to use your own AWS or Google Cloud account (Customer Cloud Subscription) to provide the infrastructure.

At any time before the 60-day trial is finished, you can upgrade your cluster with your own Red Hat subscription details to continue using OpenShift Dedicated. At the end of the 60-day trial period, if you have not upgraded the trial cluster, your OpenShift Dedicated trial cluster and all installed add-on services are marked for permanent deletion.

To find out more and sign up for a managed OpenShift trial subscription, go to About the OpenShift Dedicated Trial or Try OpenShift.

Prerequisites

- A Red Hat account.
- An OpenShift Dedicated trial subscription enabled. See About the OpenShift Dedicated Trial for details.
- Your own AWS or Google Cloud account, configured as described in Requirements for Customer Cloud Subscriptions.

Procedure

1. From OpenShift Cluster Manager, click Create cluster.

2. From the Cloud tab next to Red Hat OpenShift Dedicated Trial click Create trial cluster. You can also view your available quota from this screen before creating your cluster.

3. Select your infrastructure provider to run your cluster on: AWS or Google Cloud.

   - In the next screen, Free trial (upgradeable) will be automatically selected as your Subscription type, and Customer cloud subscription will be automatically selected as your Infrastructure type.

   **NOTE**

   - If Free trial (upgradeable) is not available as an option, follow the prompts in the user interface to enable your Red Hat account.
   - Customer cloud subscription uses your own cloud account, where you control billing and Red Hat manages the cluster for you. You must configure your cloud account before creating your cluster. See Requirements for Customer Cloud Subscriptions for instructions.

4. Enter the required details for your AWS account or Google Cloud Platform service account.

5. Configure basic cluster settings.
NOTE

See the OpenShift Dedicated documentation for more information about configuring your cluster’s settings.

6. Click Create cluster to provision your cluster.

Verification

- While your cluster is being provisioned, you can view it in the Clusters list on OpenShift Cluster Manager. The cluster will show its Status as Ready when provisioning is complete.

See the cluster overview page to view the expiry date of the trial subscription and other details. This information also shows on the Clusters list in the Created column.

Next steps

After creating your OpenShift Dedicated cluster and its status is Ready, you can:

- Configure an Identity Provider to set up user access. See Authentication in the OpenShift Dedicated documentation.
- Configure privileged dedicated-admin and cluster-admin (also referred to as cluster owner) users for your cluster. Learn more about OpenShift Dedicated roles in the Authentication guide.
- Scale your OpenShift Dedicated cluster up or down, if you have purchased the necessary subscriptions to do so. See Scaling your cluster for instructions.
- Install add-ons to expand your cluster’s capabilities.
- View a summary of your cluster’s usage and quota in Subscriptions > Dedicated (Annual).

IMPORTANT

Before your 60-day trial expires, upgrade your cluster to a paid fully-supported Red Hat subscription to continue using your cluster. See Upgrading an OpenShift Dedicated trial cluster to a fully supported cluster.

Additional resources

- For more details about OpenShift Dedicated trial clusters, see:
  - Try OpenShift
  - About the OpenShift Dedicated Trial
- Learn more about creating an OpenShift Dedicated cluster in Creating your cluster in the OpenShift Dedicated documentation.
- Learn more about subscription types in Managing OpenShift Dedicated cluster subscriptions.
- Learn more about Red Hat OpenShift Dedicated.

2.2. DELETING CLUSTERS
2.2.1. Removing an OpenShift Container Platform cluster from OpenShift Cluster Manager

You can archive an OpenShift Container Platform cluster to delete it from OpenShift Cluster Manager. Archiving a cluster removes it from subscription management and from the cluster list in OpenShift Cluster Manager.

You cannot delete an OpenShift Container Platform cluster from your infrastructure using OpenShift Cluster Manager.

NOTE

To fully delete an OpenShift Container Platform cluster, see the instructions for destroying a cluster on your infrastructure type in the OpenShift Container Platform Installing documentation.

Prerequisites

- A Red Hat login
- An OpenShift Container Platform cluster

Procedure

1. From https://cloud.redhat.com/openshift/ select the cluster you want to archive.

2. Click (more options) > Archive cluster to open the archiving dialog.

3. Click Archive cluster to confirm.

Verification

When archiving is complete, your cluster will no longer appear in the Clusters list in OpenShift Cluster Manager.

You can view all archived clusters in the Cluster Archives list in OpenShift Cluster Manager.

NOTE

You can restore an OpenShift Container Platform cluster from the archive by locating it in https://cloud.redhat.com/openshift/archived and clicking Unarchive next to the cluster. It will appear in the Clusters list after it is unarchived.

Additional resources

- See Installing in the OpenShift Container Platform documentation for the commands to destroy a cluster.

2.2.2. Deleting an OpenShift Dedicated cluster from OpenShift Cluster Manager

You can delete OpenShift Dedicated clusters using OpenShift Cluster Manager.

Prerequisites
A Red Hat login

An OpenShift Dedicated cluster

Procedure

1. From https://cloud.redhat.com/openshift/ select the cluster you want to delete.

2. Click (more options) > Delete cluster to open the Delete cluster dialog.

   WARNING
   This action cannot be undone. It will uninstall the cluster, and all data will be deleted.

3. Confirm you want to delete the cluster by typing the cluster name in the dialog field and click Delete.

Verification

- Your cluster will show Uninstalling in the Status column on the Clusters page.
- While the cluster deletion is in progress, you can view Uninstallation logs by opening the cluster details Overview page.

When the deletion is complete, your cluster will no longer appear in the Clusters list in OpenShift Cluster Manager.

You can view your deleted clusters from the Clusters list by clicking (more options) > View cluster archives.

2.2.3. Viewing archived and deleted clusters

You can view all deleted and archived OpenShift clusters from the Cluster Archives list in OpenShift Cluster Manager.

OpenShift Dedicated clusters can be fully deleted in OpenShift Cluster Manager, while OpenShift Container Platform clusters can only be archived. Archiving an OpenShift Container Platform cluster removes it from the OpenShift Cluster Manager cluster list and from subscription management.

Prerequisites

- A Red Hat login

Procedure

- Click Cluster Archives to view a list of deleted and archived clusters in OpenShift Cluster Manager.
NOTE

You can restore an OpenShift Container Platform cluster from the archive by finding the cluster in https://cloud.redhat.com/openshift/archived and clicking Unarchive next to the cluster. It will appear in the Clusters list after it is unarchived.

Additional resources

- See Installing in the OpenShift Container Platform documentation for the commands to fully delete (destroy) a cluster.
CHAPTER 3. CLUSTER SUBSCRIPTIONS AND REGISTRATION

To use all Red Hat OpenShift functionality, your clusters must be registered to OpenShift Cluster Manager and entitled to Red Hat subscription management.

After you create a cluster, it is automatically registered to OpenShift Cluster Manager and subscribed to a Red Hat subscription where you can access Red Hat support and updates.

- OpenShift Container Platform clusters are automatically entitled to a limited 60-day Red Hat evaluation subscription when created. To upgrade your OpenShift Container Platform cluster to your own Red Hat subscription, see Section 3.1, "Configuring OpenShift Container Platform cluster subscriptions".

- To create an OpenShift Dedicated cluster, you must enter your Red Hat subscription details at creation. You can use your own Red Hat subscription when creating an OpenShift Dedicated cluster, or try OpenShift Dedicated using a 60-day trial subscription to be upgraded later. To configure the subscription settings on your OpenShift Dedicated clusters, see Section 3.2, "Managing OpenShift Dedicated cluster subscriptions".

Additional resources

- To check subscription usage for your OpenShift Container Platform clusters, go to Subscriptions > Container Platform. Learn more in the Subscriptions documentation.

- Occasionally, an OpenShift Container Platform cluster does not automatically register to OpenShift Cluster Manager or a disconnected cluster needs re-registering. See Section 3.3, "Registering OpenShift Container Platform clusters to OpenShift Cluster Manager".

- To verify the registration and subscription status of your OpenShift Container Platform clusters, see Section 3.3.1, "Verifying your OpenShift Container Platform cluster is registered and subscribed".

3.1. CONFIGURING OPENSHIFT CONTAINER PLATFORM CLUSTER SUBSCRIPTIONS

By default, your OpenShift Container Platform cluster automatically registers to the OpenShift Cluster Manager service (https://cloud.redhat.com/openshift/) after it is created and is subscribed to limited 60-day Red Hat evaluation subscription for access to Red Hat support and updates.

To avoid downtime on your cluster, you must edit the cluster subscription settings in OpenShift Cluster Manager to use your own Red Hat subscription before your evaluation subscription expires.

You can use one of the following types of Red Hat subscriptions to support your OpenShift Container Platform clusters:

- **Annual**: A subscription providing a fixed capacity of resources, pre-purchased from Red Hat.

- **On-demand**: This subscription allows flexible usage and is billed through the Red Hat Marketplace. Your clusters must be connected to Telemetry in OpenShift Cluster Manager to use this subscription type. When you enable an on-demand subscription in Red Hat Marketplace, you set resource limits for your services to control usage automatically.

You can view your active OpenShift Container Platform subscriptions from the Subscriptions area in OpenShift Cluster Manager.
NOTE

If you disabled telemetry or your cluster cannot connect to api.openshift.com, you can alternatively complete the Red Hat registration process online at https://cloud.redhat.com/openshift/register. See Registering disconnected clusters using OpenShift Cluster Manager for more information.

Prerequisites

- An OpenShift Container Platform cluster
- A Red Hat annual subscription or an OpenShift Container Platform on-demand subscription enabled from the Red Hat Marketplace with resource limits configured.
  - Check your resource limits from the Subscriptions area in OpenShift Cluster Manager. If no resource limits display, enable on-demand subscriptions in Red Hat Marketplace.
- Organization Administrator or cluster owner privileges:
  - Organization Administrator is access granted to your Red Hat account.
  - Cluster owner privileges are granted within your cluster.

Procedure

1. View an OpenShift Container Platform cluster in OpenShift Cluster Manager.
2. Click Actions > Edit subscription settings. You can also access this from the Subscription settings section of the cluster Overview page.
3. Select your Subscription type:
   - Annual to use your Red Hat fixed capacity subscription
   - On-demand to use your Red Hat Marketplace flexible usage subscription

   **IMPORTANT**

   If On-demand is not available as an option, follow the prompts in the user interface to enable an account and link your billing information in the Red Hat Marketplace. You can also verify whether on-demand billing is enabled if Marketplace shows as Enabled in the Subscriptions area under OpenShift Container Platform.

   You cannot change a cluster’s subscription type from on-demand to an annual subscription.

4. If you selected Annual, select the options that apply to your Red Hat subscription in the dialog. See OpenShift Container Platform cluster subscription settings for more details about the available settings. If your cluster is disconnected, the subscription type will be automatically set to Annual. For On-demand, all other settings are pre-configured.
5. Click Save settings.
It may take up to two hours for these settings to update for your cluster in the Subscriptions summary and Red Hat Subscription Management after making changes to your Red Hat subscription in the Red Hat Customer Portal.

**Verification steps**

View your cluster’s subscription status and usage in Subscriptions > Container Platform.

**Additional resources**

- For more details about Subscriptions, see the Subscriptions documentation.
- Learn more about remote health monitoring with Telemetry and the Insights Operator in the OpenShift Container Platform documentation.

### 3.1.1. OpenShift Container Platform cluster subscription settings

To ensure you get the correct level of support for your OpenShift Container Platform clusters, configure your cluster subscription settings in OpenShift Cluster Manager to align with the values for your Red Hat subscription.

For OpenShift Dedicated subscriptions, no configuration is needed after choosing your subscription type.

**NOTE**

To find more details about your subscriptions, view your Subscriptions Inventory in the Red Hat Customer Portal.

To change the support type of an OpenShift Container Platform cluster after it has been initialized on Red Hat OpenShift Cluster Manager, click (more options) > Edit subscription settings for a cluster.

The following options are available for OpenShift Container Platform clusters:

#### Table 3.1. Subscription settings

<table>
<thead>
<tr>
<th>Subscription setting</th>
<th>Options</th>
<th>Summary</th>
<th>More information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscription type</td>
<td>- Annual: Fixed capacity subscription from Red Hat</td>
<td>What type of subscription are you using for this cluster?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- On-demand: Flexible usage billed through the Red Hat Marketplace</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 3.2. MANAGING OPENSSHIFT DEDICATED CLUSTER SUBSCRIPTIONS

OpenShift Cluster Manager allows you to create OpenShift Dedicated clusters using your Red Hat subscriptions. These clusters are managed by Red Hat and come with Premium-level support. You must enter your subscription details when creating an OpenShift Dedicated cluster.

You can use one of the following types of Red Hat subscriptions to create OpenShift Dedicated clusters:

- **Annual**: A subscription providing a fixed capacity of resources, pre-purchased from Red Hat. Cluster provisioning is based on available quota. Quota is allocated from your Red Hat subscriptions and is required to scale up a cluster.

- **On-demand**: A subscription allowing flexible usage, billed through the Red Hat Marketplace. When you enable an on-demand subscription in Red Hat Marketplace, you set resource limits for your services to control usage automatically.

---

<table>
<thead>
<tr>
<th>Subscription setting</th>
<th>Options</th>
<th>Summary</th>
<th>More information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service level agreement (SLA)</td>
<td>Premium, Standard, Self-Support 60-day evaluation</td>
<td>How is this cluster supported?</td>
<td>The hours of coverage, support ticket response times, and other terms that are defined by the Service Level Agreement (SLA). See Production Support Terms of Service.</td>
</tr>
<tr>
<td>Support type</td>
<td>Red Hat support (L1-L3), Partner support (L3)</td>
<td>Which team do you contact for primary support?</td>
<td>If you purchased the subscription through Red Hat, select L1-L3.</td>
</tr>
<tr>
<td>Cluster usage</td>
<td>Production, Development/Test, Disaster Recovery</td>
<td>How do you intend to use this cluster?</td>
<td>Are you using this cluster to run production workloads or for internal development or other projects?</td>
</tr>
<tr>
<td>Subscription units</td>
<td>Cores/vCPUs, Sockets</td>
<td>How is usage measured for your subscription?</td>
<td>Defines how the product was sold and how its usage will be measured. How usage is measured for your subscription.</td>
</tr>
</tbody>
</table>

---

OpenShift Cluster Manager 2021-02 Managing clusters
OpenShift Dedicated trial: You can try OpenShift Dedicated for 60 days free of charge with a trial Red Hat subscription. You can upgrade your cluster to a paid Red Hat subscription at any time. See About the OpenShift Dedicated Trial for more details.

You can view your quota and resource limits, based on your active OpenShift Dedicated clusters, from the Subscriptions menu in OpenShift Cluster Manager.

**IMPORTANT**
You must select the subscription type when creating the cluster. You cannot change the subscription type on an existing OpenShift Dedicated cluster, with the exception of upgrading a trial subscription. To create a new cluster, see Creating an OpenShift Dedicated cluster.

**Prerequisites**
- A Red Hat account.
- An active Red Hat OpenShift Dedicated subscription with sufficient quota to create a cluster. See https://www.openshift.com/products/dedicated/ for more information.

**Procedure**
- To view a summary of all subscriptions for OpenShift Dedicated purchased by your organization or granted by Red Hat, go to OpenShift Cluster Manager and click Subscriptions. The summary also shows how much of your quota and resource limits have been used by your OpenShift Dedicated clusters, broken down by subscription type.
  - For Red Hat annual subscriptions, you can check your usage and quota in Subscriptions > Dedicated (Annual). You can also find out more about your subscription details in the Red Hat Customer Portal and purchase more quota if desired.

  **NOTE**
  It may take up to two hours for your cluster’s subscription status to update in OpenShift Cluster Manager after making changes in the Red Hat Customer Portal.

  - For Red Hat Marketplace on-demand subscriptions, you can check your total usage and usage by cluster in Subscriptions > Dedicated (On-Demand). You can view your resource limits in Subscriptions > Dedicated (On-Demand Limits). You can also view your total usage for your on-demand OpenShift Dedicated clusters in Red Hat Marketplace.
  - For trial subscriptions, follow the prompts to upgrade your cluster to a paid Red Hat subscription before your trial finishes. See About the OpenShift Dedicated Trial for more details.

**3.2.1. Upgrading an OpenShift Dedicated trial cluster to a fully supported cluster**

You can upgrade your OpenShift Dedicated (OSD) trial cluster at any time after starting the free trial.

You may choose to upgrade your trial cluster before the trial conclusion if you want to run production services or use features that are not included in the free trial, such as autoscaling, specific add-on services, and quota increases.
IMPORTANT

The OpenShift Dedicated free trial ends when you delete your cluster or after 60 days, whichever happens first. At that time, your OpenShift Dedicated trial cluster and all installed add-on services are marked for permanent deletion.

If you upgrade the cluster before the trial is over, you can continue using the resources you created during the trial without interruption.

Prerequisites

- An OpenShift Dedicated cluster using a trial subscription
- A Red Hat account
- A Red Hat subscription for OpenShift Dedicated
- Organization Administrator or cluster owner privileges:
  - *Organization Administrator* is access granted to your Red Hat account.
  - Cluster owner privileges are granted within your cluster.

Procedure

1. Go to the Clusters list in OpenShift Cluster Manager.
2. Find your OpenShift Dedicated trial cluster, labeled *OSD Trial* in the Cluster Type column.
3. Click Upgrade from trial and follow the instructions to upgrade your cluster.

NOTE

If the Upgrade from trial option does not appear, the reasons could include the following:

- You do not have the permissions needed to upgrade this cluster to a fully supported cluster. You must be an Organization Administrator on the Red Hat account or the cluster owner to upgrade the account.
- This cluster account is already upgraded to a fully supported OpenShift Dedicated cluster.

Verification steps

- Find your OpenShift Dedicated cluster in the Clusters list in OpenShift Cluster Manager. The Cluster type will no longer be listed as OSD Trial.

Additional resources

- For more information about subscription types for OpenShift Dedicated clusters, see Managing OpenShift Dedicated cluster subscriptions in Cluster registration and subscriptions.
- For more details about OpenShift Dedicated trial clusters, see:
  - About the OpenShift Dedicated Trial
3.3. REGISTERING OPENSHEET CONTAINER PLATFORM CLUSTERS TO OPENSHEET CLUSTER MANAGER

To monitor the health of your OpenShift Container Platform clusters and receive alerts, updates, and recommendations from Red Hat Insights, your clusters must be registered to OpenShift Cluster Manager and subscribed to a Red Hat subscription.

By default, every OpenShift Container Platform cluster automatically registers to OpenShift Cluster Manager the first time the cluster boots after installation.

OpenShift Container Platform clusters report health and usage data to Red Hat through Telemetry and the Insights Operator when registered in OpenShift Cluster Manager. These are referred to as connected clusters.

Occasionally an OpenShift Container Platform cluster does not automatically register to the OpenShift Cluster Manager service (referred to as a disconnected cluster), for example if:

- the cluster was created in an air-gapped environment and cannot reach OpenShift Cluster Manager to inform OpenShift Cluster Manager it has been created
- you disabled the Telemeter client
- your cluster cannot connect to api.openshift.com

In this situation, you can register a disconnected cluster to OpenShift Cluster Manager manually from https://cloud.redhat.com/openshift/register. You can also enter your Red Hat subscription details from here to entitle your cluster to Red Hat support.

After an OpenShift Container Platform cluster is registered and subscribed, you can then monitor your subscription capacity and usage in Subscriptions > Container Platform.

3.3.1. Verifying your OpenShift Container Platform cluster is registered and subscribed

You can verify that your OpenShift Container Platform cluster is registered to OpenShift Cluster Manager and subscribed to a Red Hat subscription from OpenShift Cluster Manager.

A OpenShift Container Platform cluster that is registered on OpenShift Cluster Manager is referred to as a connected cluster. In rare cases, for example, if Telemetry is disabled or blocked on the user’s network, the cluster cannot be registered automatically and you must manually register the cluster to OpenShift Cluster Manager.

Prerequisites

- An OpenShift Container Platform cluster
- A Red Hat subscription

Procedure

1. Go to the Clusters list in OpenShift Cluster Manager and locate your OpenShift Container Platform cluster.
NOTE
If your cluster does not appear in the Clusters list, you need to register your cluster. See Registering OpenShift Container Platform clusters to OpenShift Cluster Manager for instructions.

2. Review the Status column for the cluster:

- If the Status is Ready, it is connected to OpenShift Cluster Manager and reporting Telemetry data. No manual registration is required.

- If the Status is Disconnected, it is not sending Telemetry data to OpenShift Cluster Manager. This is due to the cluster being installed on a private network, or having Telemetry disabled.

- If the Status is Stale, your cluster is connected but has not sent Telemetry data to OpenShift Cluster Manager recently.

3. Review the Created column for the cluster to see the cluster subscription status:

- A date: Your cluster is subscribed to a Red Hat subscription and is receiving support and updates.

- 60-day evaluation: Your cluster is subscribed to Red Hat support with a temporary evaluation subscription. Configure the cluster to access Red Hat support with your own Red Hat subscription by clicking (more options) > Edit subscription settings.

- Evaluation expired: Your cluster is not subscribed to Red Hat support. Configure your subscription details for the cluster by clicking (more options) > Edit subscription settings.

NOTE
You can also check the cluster’s subscription settings from the cluster Overview page.

Next steps

- If your cluster is not registered (a disconnected cluster) to OpenShift Cluster Manager, register it with the steps in Registering disconnected clusters using OpenShift Cluster Manager.

- If your cluster is not subscribed to a Red Hat subscription or you need to update your subscription settings, see Configuring Red Hat subscriptions on your clusters. See Cluster subscription settings for more information about the available settings.

3.3.2. Registering disconnected clusters

To monitor the health of your OpenShift Container Platform clusters and receive alerts, updates, and recommendations from Red Hat Insights, your clusters must be registered to OpenShift Cluster Manager. If your cluster does not appear on the Clusters list in OpenShift Cluster Manager, you need to register it.
NOTE
If your cluster is already registered to OpenShift Cluster Manager and you only want to edit subscription settings for your cluster, click (more options) > Edit subscription settings, or configure your subscription settings from the cluster details page. See Configuring OpenShift Container Platform cluster subscriptions for details.

Prerequisites

- An OpenShift Container Platform cluster
- A Red Hat subscription
- Organization Administrator or cluster owner privileges:
  - Organization Administrator is access granted to your Red Hat account.
  - Cluster owner privileges are granted within your cluster.

Procedure

To register a disconnected cluster, create a profile for your cluster manually in OpenShift Cluster Manager:

1. Go to the Clusters list in OpenShift Cluster Manager.

2. At the top of the Clusters list, click (more options) > Register cluster to open the Register disconnected cluster page.

3. Enter the Cluster ID for the cluster you want to register. For example, 00000c9e-f75e-44e4-86e1-ebf60ec0b000.

   NOTE
   You can find your cluster ID in the cluster web console in OpenShift Container Platform.

4. Enter the Display name for the cluster. This can be any name that you want to identify the cluster by in OpenShift Cluster Manager. You can find your cluster by this name in the cluster list for your organization.

5. Enter the Web console URL for the cluster. This is the URL to log into your OpenShift Container Platform cluster web console.

6. To subscribe your cluster to Red Hat support, enter your Red Hat subscription details in Subscription settings:
   a. Select the support type for the cluster.
   b. Specify how you intend to use the cluster.
   c. Select your service level.
   d. Specify the unit your subscription is measured in (cores/vCPUs or sockets).
7. Click Register cluster to confirm registration and subscription.

Your cluster is now registered to OpenShift Cluster Manager and subscribed to Red Hat support.

Verification steps

1. Find your cluster displayed in the Clusters list in OpenShift Cluster Manager.

2. The subscription configuration displays in the Subscription settings section. This can now be edited.

3. Go to Subscriptions > Container Platform to verify you can view subscription information about your clusters, including capacity and subscription usage.

Additional resources

- Red Hat Insights for OpenShift (Remote health monitoring with connected clusters) documentation
- OpenShift Container Platform documentation
- Subscriptions documentation
CHAPTER 4. MANAGING YOUR CLUSTERS

In OpenShift Cluster Manager, you can view your OpenShift clusters and perform various cluster management tasks.

4.1. VIEWING CLUSTER INFORMATION

The OpenShift Cluster Manager Clusters list shows details for all OpenShift Container Platform and OpenShift Dedicated clusters in your organization. From here, you can select a cluster to review its settings, check usage, solve issues, and perform other management tasks.

Procedure

- Click a cluster from the list to view more details about it, including:
  - The Overview page shows resource usage and basic facts about the cluster
  - The cluster history shows what has happened on this cluster: for example, when it was registered and entitled to a Red Hat subscription
  - The Monitoring tab shows the health of your OpenShift Container Platform cluster and uses the Telemetry service to report the cluster’s status in OpenShift Cluster Manager. The Monitoring area shows critical alerts, for example if a cluster operator is failing. This area also shows resource usage.

Additional resources

- See Remote health monitoring with connected clusters in the OpenShift Container Platform documentation for more about monitoring your clusters in OpenShift Cluster Manager.

4.1.1. Determining your cluster ID

Every OpenShift cluster is assigned an ID (in the form of a UUID) when created, but each cluster also has an internal cluster identifier used by OpenShift Cluster Manager. The internal OCM cluster identifier can be changed to a human-readable name if desired.

You can find this information in OpenShift Cluster Manager, via the command line, or in the OpenShift web console.

Additionally, when OpenShift Container Platform clusters register to OpenShift Cluster Manager, the only identifying information may be the cluster UUID. If multiple OCP clusters have been registered at the same time, it may be necessary to use the cluster UUID to tell them apart.

Prerequisites

- An OpenShift Container Platform 4.x cluster

Procedure

There are several ways to view your cluster ID:

- Your clusters are listed by ID in OpenShift Cluster Manager in the Clusters area. From here, you can also search for a cluster by name or ID, and filter by cluster type, OpenShift Container Platform (OCP), OpenShift Dedicated (OSD), or Red Hat OpenShift Service on AWS (ROSA).
To rename your cluster to a human-readable name, see Section 4.2, “Renaming your cluster”.

- You can also get your OpenShift cluster ID by running the following command locally or on the cluster itself (after logging into the cluster using `oc login`):

$$
\text{oc get clusterversion }<\text{version}>\ -o\ \text{jsonpath="}\{.\text{spec.clusterID}}\text{"}
$$

- You can also find your OpenShift cluster ID in the OpenShift Container Platform web console if you are logged in as an administrator:
  - In the details pane on the Home/Dashboards page
  - On the Administration/Cluster Settings page

### 4.2. RENAMING YOUR CLUSTER

You can give your connected cluster a human-readable name instead of a cluster UUID to make it easier to reference when contacting Red Hat Support or opening a support case, or when reviewing the list of clusters in OpenShift Cluster Manager.

When created, every OpenShift cluster is assigned a 36-character UUID string as a name to differentiate it from other clusters. However, as the UUID can be difficult to search or reference, Red Hat recommends providing a custom name for the cluster to simplify locating resources and managing your OpenShift environment.

#### Prerequisites

- An OpenShift Container Platform 4.x or OpenShift Dedicated cluster
- You must have a Red Hat account with Organization Administrator access or be the creator or owner of the cluster you want to edit.

**NOTE**

Organization administrators can edit the display name of all clusters within their organization, and cluster creators or owners of a cluster can change the name of any clusters they created.

#### Procedure

1. Go to the Clusters list in OpenShift Cluster Manager.
2. Click (more options) next to the cluster you want to rename.
3. Click Edit display name and enter a name for the cluster.
4. Click Edit to save the new name.

**NOTE**

You can also rename a cluster from its details page from the Actions menu > Edit display name.
The new cluster name shows in the clusters list on OpenShift Cluster Manager.

Additional resources
- See Section 4.1.1, "Determining your cluster ID" for details about finding your cluster ID.

4.3. TRANSFERRING CLUSTER OWNERSHIP

You can transfer ownership of an OpenShift Container Platform cluster to another user in your organization or a different organization using OpenShift Cluster Manager.

For example, if you created an OpenShift Container Platform cluster using one Red Hat account but want to move the cluster to a different Red Hat account to register it to the associated subscription, you need to transfer cluster ownership to that user. You can transfer ownership of connected or disconnected clusters.

Transferring cluster ownership of a connected cluster requires two steps: initiating the transfer, then changing the cluster’s pull secret. You must change the cluster pull secret within five days of initiating the transfer, or you need to restart the transfer procedure.

The transfer is complete when OpenShift Cluster Manager receives Telemetry data from the cluster with the new pull secret.

To transfer ownership of a disconnected cluster, you only need to initiate the transfer; no pull secret is required.

Prerequisites
- An OpenShift Container Platform cluster
- Organization Administrator or cluster owner privileges:
  - Organization Administrator is access granted to your Red Hat account.
  - Cluster owner privileges are granted within your cluster.
- The pull secret associated with the Red Hat account you want to transfer the cluster to. Download or copy your pull secret from OpenShift Cluster Manager. The pull secret is not required to transfer ownership of a disconnected cluster.

IMPORTANT
Do not share your pull secret. The pull secret should be treated like a password.

Procedure
1. Initiate the transfer:
   a. In OpenShift Cluster Manager, select the cluster that you want to transfer.
   b. Click Actions > Transfer cluster ownership from at the top of the cluster’s page.
   c. Click Initiate transfer to confirm this action.
IMPORTANT

You must change the cluster’s pull secret within five days of initiating the transfer and register the cluster with the new Red Hat account or the transfer will be cancelled. You can also cancel the ownership transfer anytime before the pull secret has been changed by clicking Actions > Cancel ownership transfer.

If you are transferring ownership of a disconnected cluster, the transfer is complete when the new Red Hat account is registered with the same cluster UUID. If your cluster is connected to Telemetry, continue to the next step.

2. Change the cluster pull secret:
   a. Log into OpenShift Cluster Manager as the cluster owner or Organization Administrator that will take ownership of the cluster.
   b. As the new cluster owner, change the pull secret by executing the following command using the pull secret downloaded from OpenShift Cluster Manager:

   ```bash
   # oc set data secret/pull-secret -n openshift-config --from-file=.dockerconfigjson=pull-secret.txt
   ```

   c. If a secret is not already created, run the following to create the secret:

   ```bash
   # oc create secret generic pull-secret -n openshift-config --type=kubernetes.io/dockerconfigjson --from-file=.dockerconfigjson=/path/to/downloaded/pull-secret
   ```

Verification steps

You can verify the transfer was successful by checking:

- The cluster Overview:
  - In Details, the Owner has been updated.
  - In Cluster history, details of the transfer appear.
- If the cluster was transferred to a different organization, the cluster now appears in the new Red Hat account’s clusters list, and has been removed from the previous Red Hat account’s clusters list.

Additional resources

- See Using image pull secrets in the OpenShift Container Platform documentation.

4.4. DOWNLOADING AND UPDATING PULL SECRETS

4.4.1. Downloading the pull secret from OpenShift Cluster Manager

An image pull secret provides authentication for the cluster to access services and registries which serve the container images for OpenShift components. Every individual user gets a single pull secret generated. This same pull secret is used when installing an OpenShift Container Platform or OpenShift Dedicated cluster.
Prerequisites

- An OpenShift Container Platform or OpenShift Dedicated cluster
- Organization Administrator or cluster owner privileges:
  - Organization Administrator is access granted to your Red Hat account.
  - Cluster owner privileges are granted within your cluster.

Procedure

1. Log into the cluster as a user with cluster owner privileges.
2. Download your pull secret from https://cloud.redhat.com/openshift/install/pull-secret.

**IMPORTANT**

Do not share your pull secret. The pull secret should be treated like a password.

Additional resources

- See Using image pull secrets in the OpenShift Container Platform documentation.
- See Using image pull secrets in the OpenShift Dedicated documentation.

4.4.2. Updating the global pull secret

You can update the global pull secret for your cluster.

**WARNING**

Cluster resources must adjust to the new pull secret, which can temporarily limit the usability of the cluster.

Updating the global pull secret causes the Machine Config Operator to drain the nodes, apply the change, and uncordon the nodes.

**NOTE**

As of OpenShift Container Platform 4.7, changes to the global pull secret no longer trigger a reboot.

Prerequisites

- An OpenShift Container Platform cluster
- A new or modified pull secret file to upload (You can download your pull secret from https://cloud.redhat.com/openshift/install/pull-secret in OpenShift Cluster Manager.)
- Access to the cluster as a user with cluster owner privileges.

Procedure

1. Log into the cluster as a user with cluster owner privileges.

2. Download your pull secret from https://cloud.redhat.com/openshift/install/pull-secret.

   **IMPORTANT**

   Do not share your pull secret. The pull secret should be treated like a password.

3. Enter the following command to update the global pull secret for your cluster with the pull secret you downloaded:

   ```
   oc set data secret/pull-secret -n openshift-config --from-file=.dockerconfigjson=pull-secret.txt
   ```

   Provide the path to the new pull secret file.

This begins updates to all nodes in the cluster, which can take some time depending on the size of your cluster. During this time, nodes are drained and pods are rescheduled on the remaining nodes.
CHAPTER 5. GETTING SUPPORT FOR YOUR CLUSTERS

5.1. OPENSHIFT CONTAINER PLATFORM SUPPORT

For help with your OpenShift Container Platform clusters, contact Red Hat support.

From here, you can:

- Open a new support case. Also see Submitting a support case in the OpenShift Container
  Platform documentation for instructions.
- View your open support cases: https://access.redhat.com/support/cases/#/case/list
- Open a live chat with support engineers
- Call or email a Red Hat support expert

Additional resources

- See Getting support in the OpenShift Container Platform documentation for more information.

5.2. OPENSHIFT DEDICATED SUPPORT

For questions about your existing Red Hat OpenShift Dedicated installation, contact Red Hat support.

From here, you can:

- Open a new support case: https://access.redhat.com/support/cases/#/case/
- View open support cases: https://access.redhat.com/support/cases/#/case/list
- Open a live chat with support engineers
- Call or email a Red Hat support expert

See Support in the OpenShift Dedicated documentation for more information.