



Add Kubernetes clusters

Kubernetes clusters

NetApp
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Add Kubernetes clusters

Add an Amazon Kubernetes cluster to BlueXP

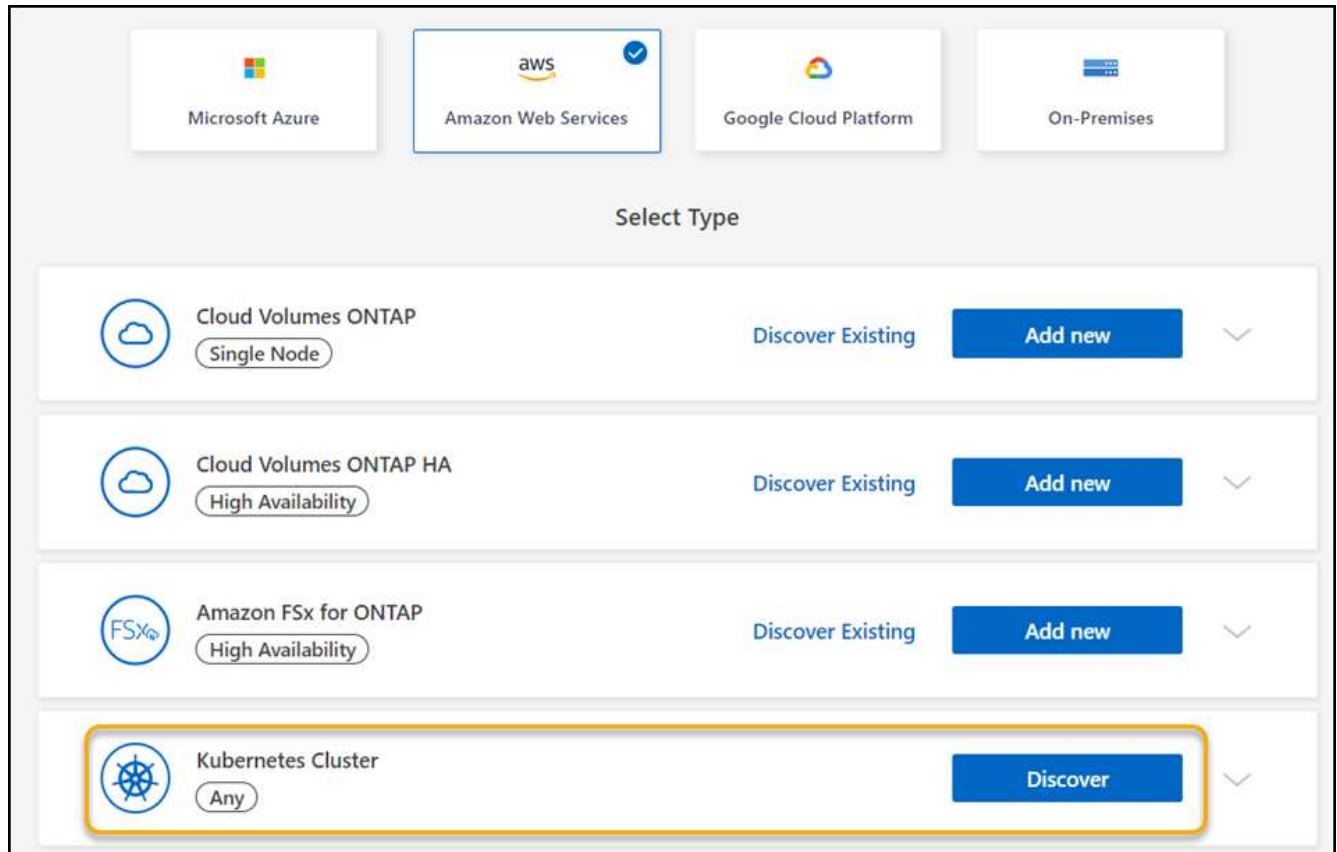
You can discover or import Kubernetes clusters to BlueXP so you can back up persistent volumes to Amazon S3.

Discover a cluster

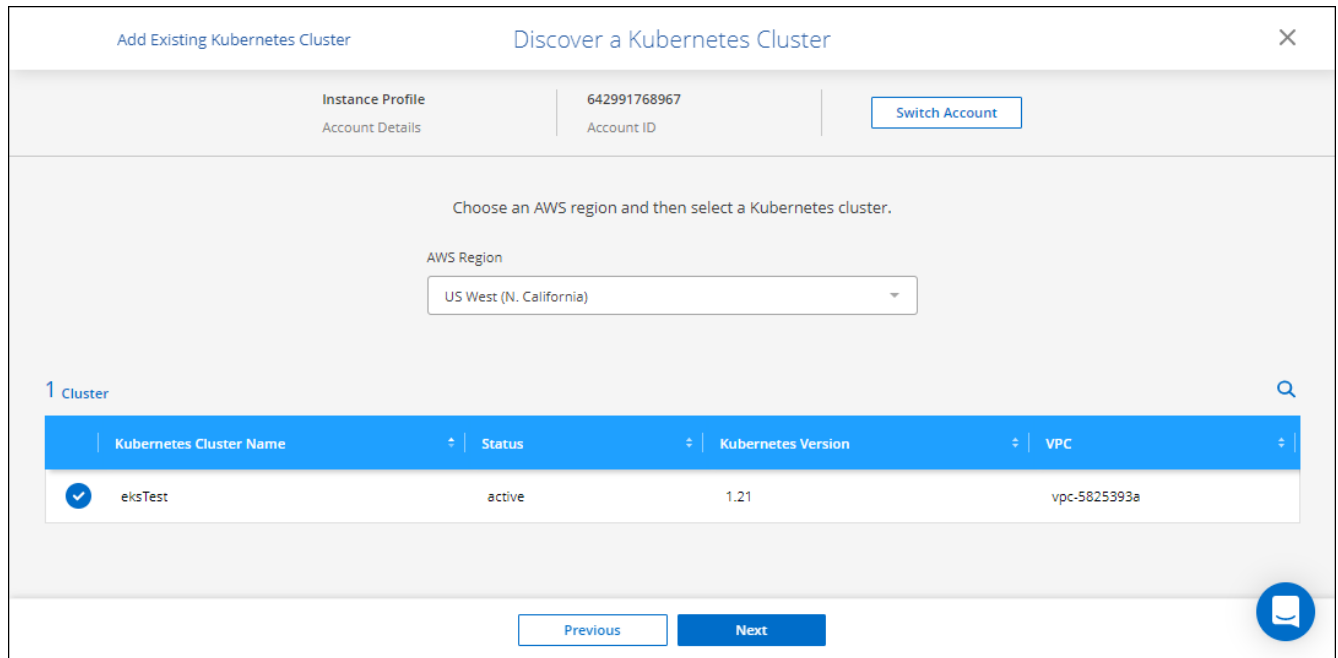
You can discover a fully-managed or self-managed Kubernetes cluster. Managed clusters must be discovered; they cannot be imported.

Steps

1. On the **Canvas**, click **Add Working Environment**.
2. Select **Amazon Web Services > Kubernetes Cluster > Discover**.



3. Select **Discover Cluster** and click **Next**.
4. Choose an AWS region, select a Kubernetes cluster, and click **Next**.



Result

BlueXP adds the Kubernetes cluster to the Canvas.

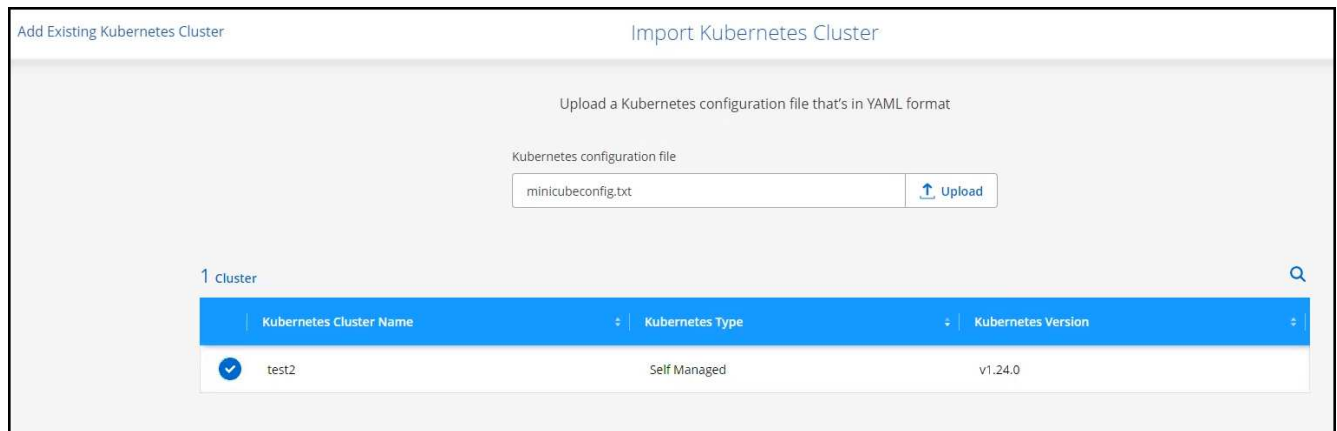


Import a Cluster

You can import a self-managed Kubernetes cluster using a Kubernetes configuration file.

Steps

1. On the **Canvas**, click **Add Working Environment**.
2. Select **Amazon Web Services > Kubernetes Cluster > Discover**.
3. Select **Import Cluster** and click **Next**.
4. Upload a Kubernetes configuration file in YAML format.



5. Select the Kubernetes cluster and click **Next**.

Result

BlueXP adds the Kubernetes cluster to the Canvas.

Add an Azure Kubernetes cluster to BlueXP

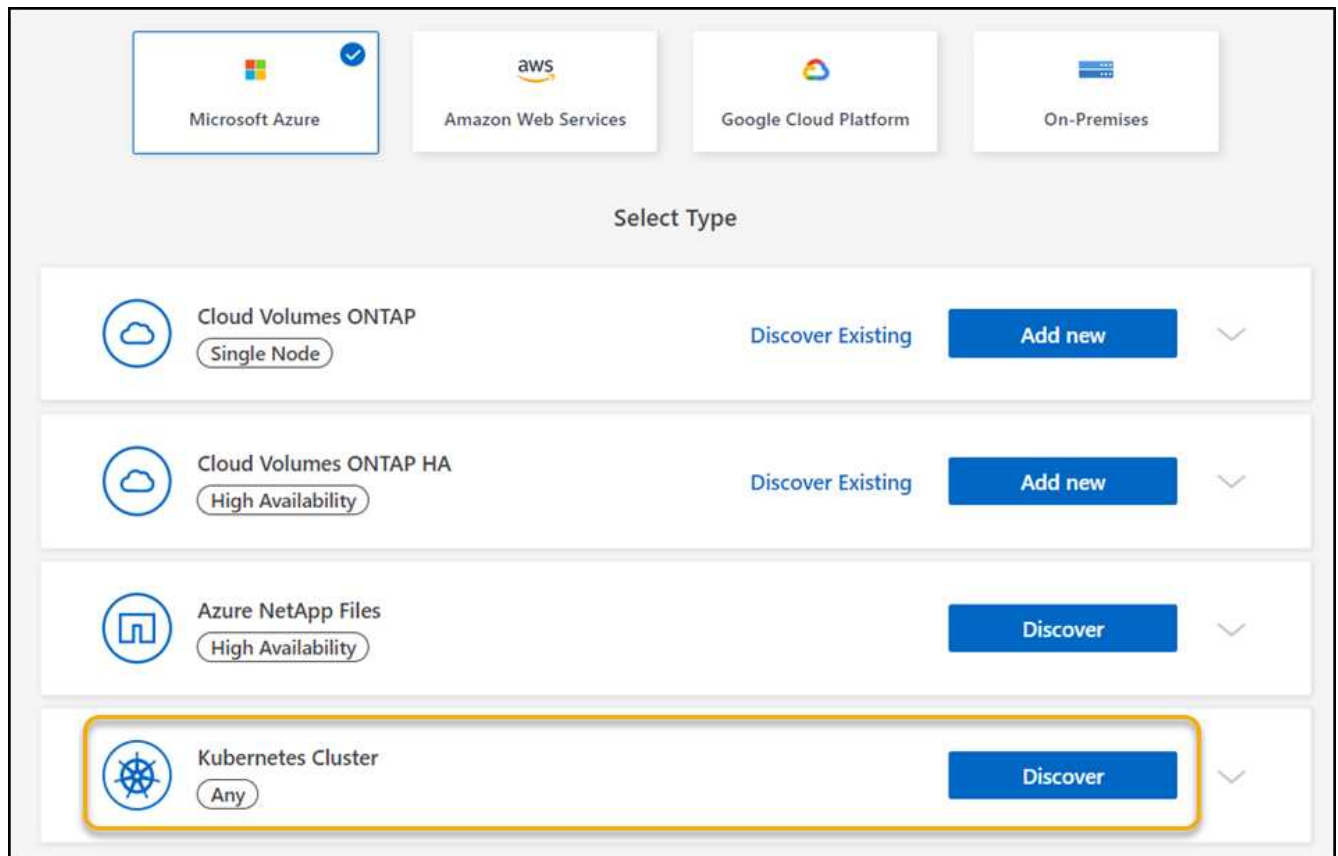
You can discover or import Kubernetes clusters to BlueXP so that you can back up persistent volumes to Azure.

Discover a cluster

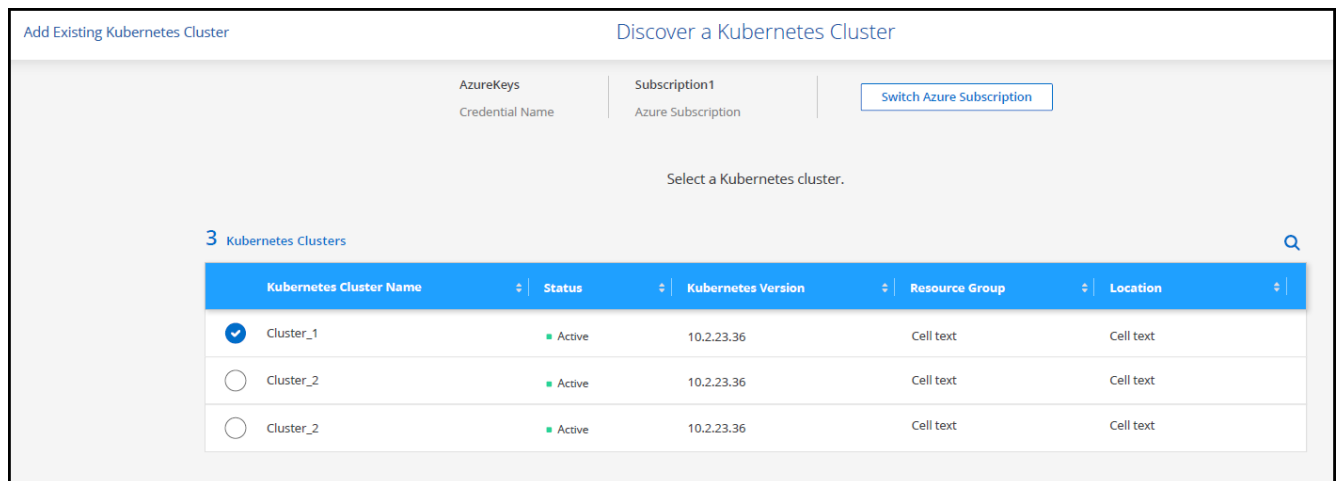
You can discover a fully-managed or self-managed Kubernetes cluster. Managed clusters must be discovered; they cannot be imported.

Steps

1. On the **Canvas**, click **Add Working Environment**.
2. Select **Microsoft Azure > Kubernetes Cluster > Discover**.

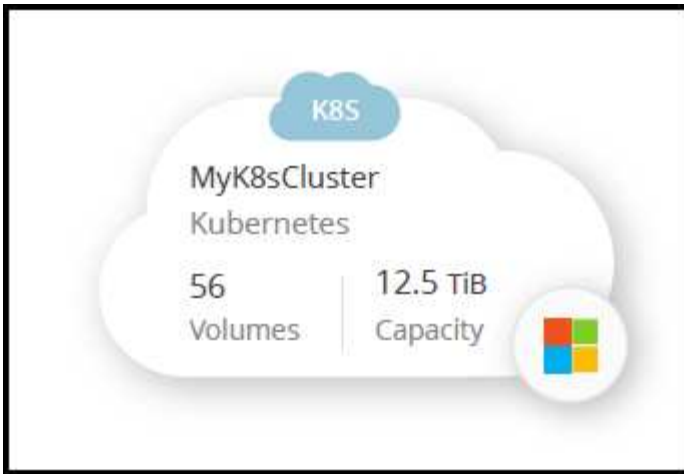


3. Select **Discover Cluster** and click **Next**.
4. Select a Kubernetes cluster and click **Next**.



Result

BlueXP adds the Kubernetes cluster to the Canvas.



Import a Cluster

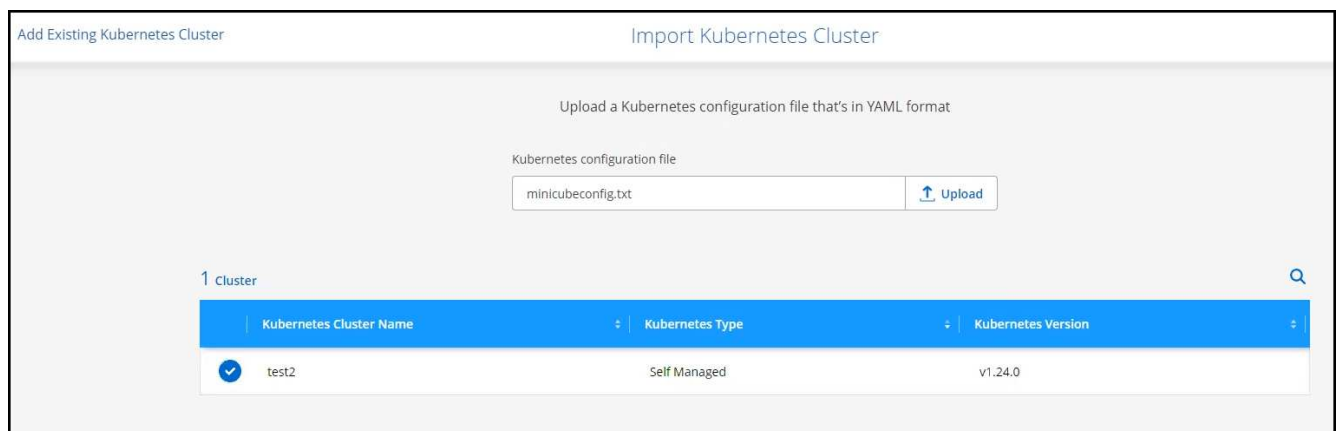
You can import a self-managed Kubernetes cluster using a Kubernetes configuration file.

Before you get started

You will need Certificate Authority, Client Key, and Client Certificate certificates for the user specified in the cluster role YAML file to import Kubernetes clusters. The Kubernetes cluster administrator receives these certifications when creating users on the Kubernetes cluster.

Steps

1. On the **Canvas**, click **Add Working Environment**.
2. Select **Microsoft Azure > Kubernetes Cluster > Discover**.
3. Select **Import Cluster** and click **Next**.
4. Upload a Kubernetes configuration file in YAML format.



5. Upload the cluster certificates provided by your Kubernetes cluster administrator.

Result

BlueXP adds the Kubernetes cluster to the Canvas.

Add a Google Cloud Kubernetes cluster to BlueXP

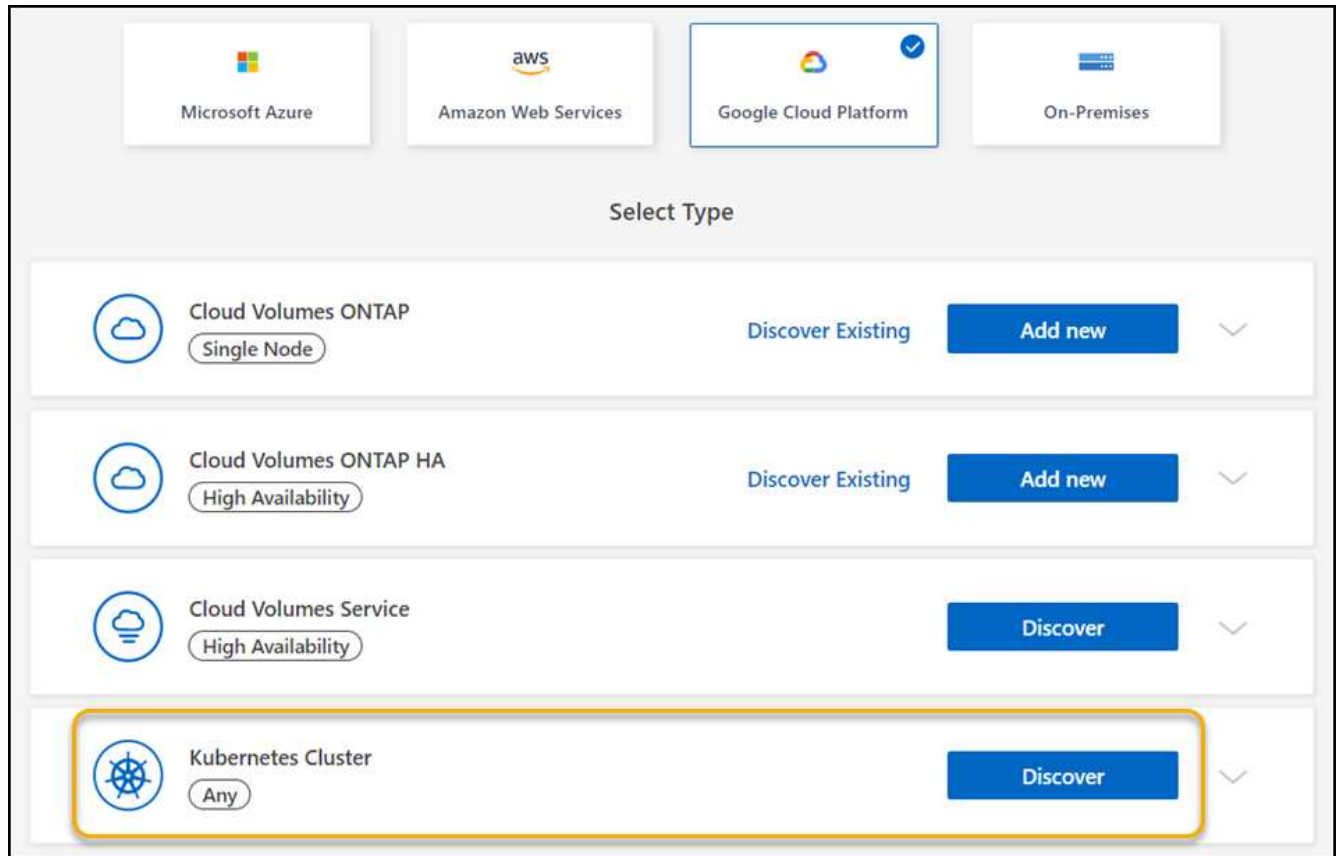
You can discover or import Kubernetes clusters to BlueXP so that you can back up persistent volumes to Google Cloud.

Discover a cluster

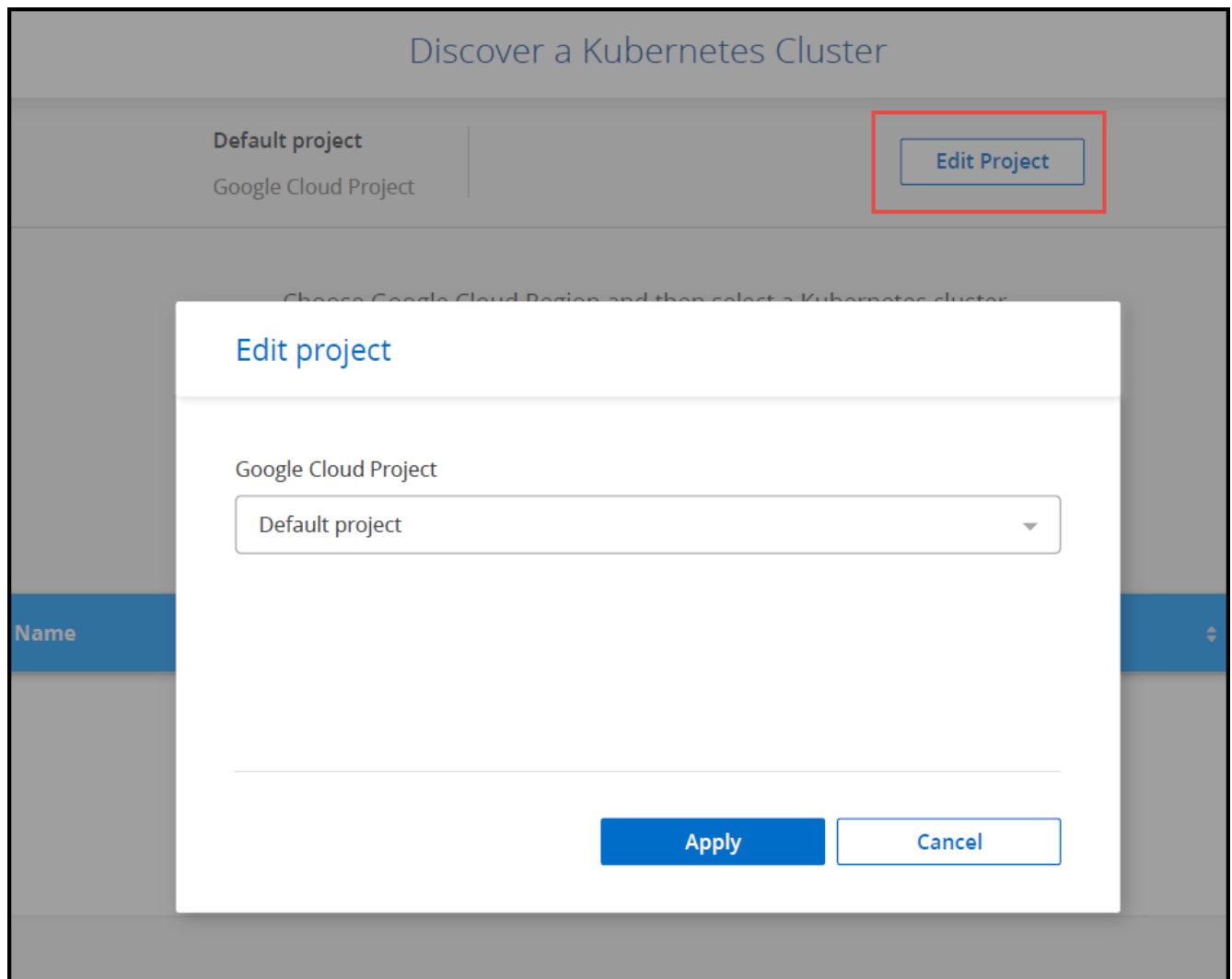
You can discover a fully-managed or self-managed Kubernetes cluster. Managed clusters must be discovered; they cannot be imported.

Steps

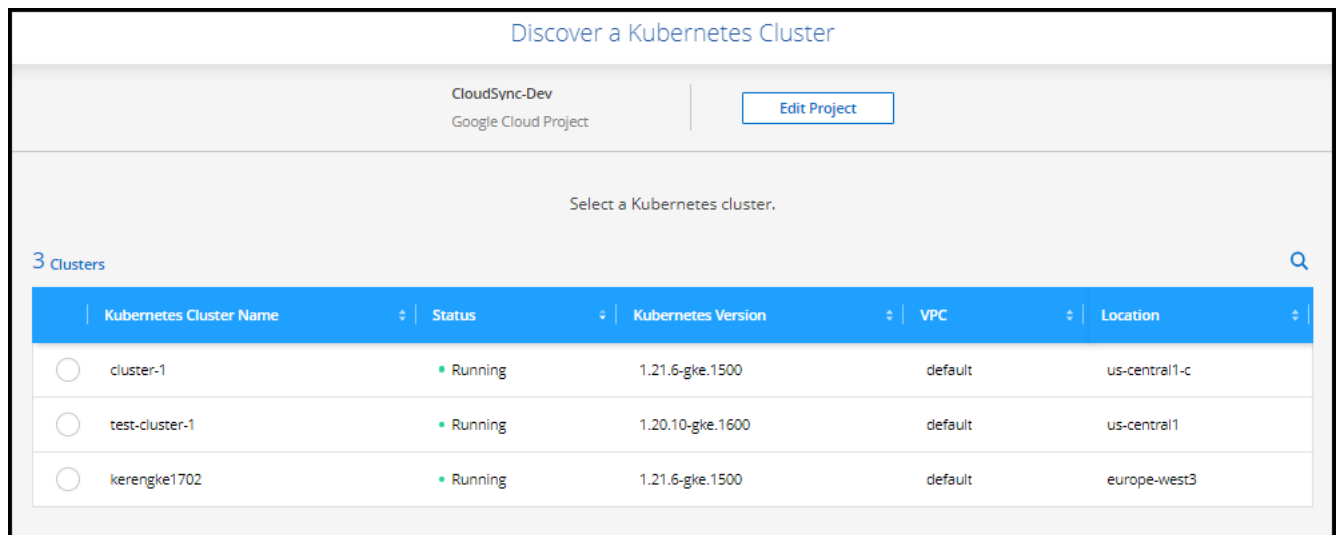
1. On the **Canvas**, click **Add Working Environment**.
2. Select **Google Cloud Platform > Kubernetes Cluster > Discover**.



3. Select **Discover Cluster** and click **Next**.
4. To select a Kubernetes cluster in a different Google Cloud Project, click **Edit project** and choose an available project.

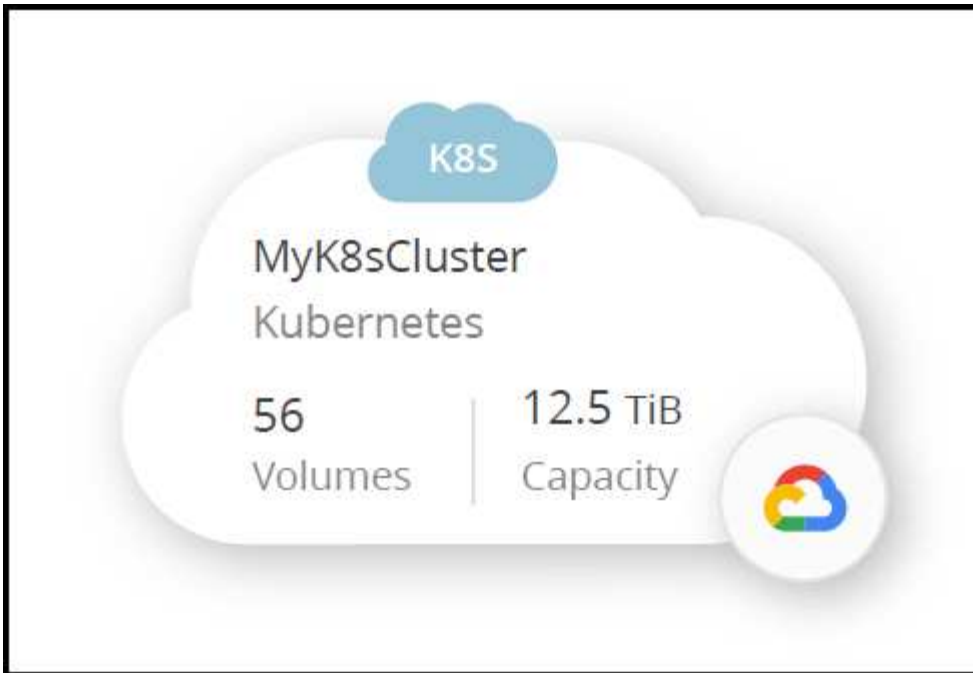


5. Select a Kubernetes cluster and click **Next**.



Result

BlueXP adds the Kubernetes cluster to the Canvas.



Import a Cluster

You can import a self-managed Kubernetes cluster using a Kubernetes configuration file.

Before you get started

You will need Certificate Authority, Client Key, and Client Certificate certificates for the user specified in the cluster role YAML file to import Kubernetes clusters. The Kubernetes cluster administrator receives these certifications when creating users on the Kubernetes cluster.

Steps

1. On the **Canvas**, click **Add Working Environment**.
2. Select **Google Cloud Platform > Kubernetes Cluster > Discover**.
3. Select **Import Cluster** and click **Next**.
4. Upload a Kubernetes configuration file in YAML format.

Add Existing Kubernetes Cluster

Import Kubernetes Cluster

Upload a Kubernetes configuration file that's in YAML format and has the extension ".txt", ".kubeconfig", or ".config"

Kubernetes configuration file

KubConfig.txt

3 Kubernetes Clusters

Kubernetes Cluster Name	Kubernetes Type	Kubernetes Version
<input checked="" type="checkbox"/> Cluster_1	???	10.2.23.36
<input type="checkbox"/> Cluster_2	???	10.2.23.36
<input type="checkbox"/> Cluster_2	???	10.2.23.36

Result

BlueXP adds the Kubernetes cluster to the Canvas.

Import an OpenShift cluster to BlueXP

Import a self-managed OpenShift cluster to BlueXP so you can start backing up persistent volumes to your Cloud provider.

Import a Cluster

You can import a self-managed Kubernetes cluster using a Kubernetes configuration file.

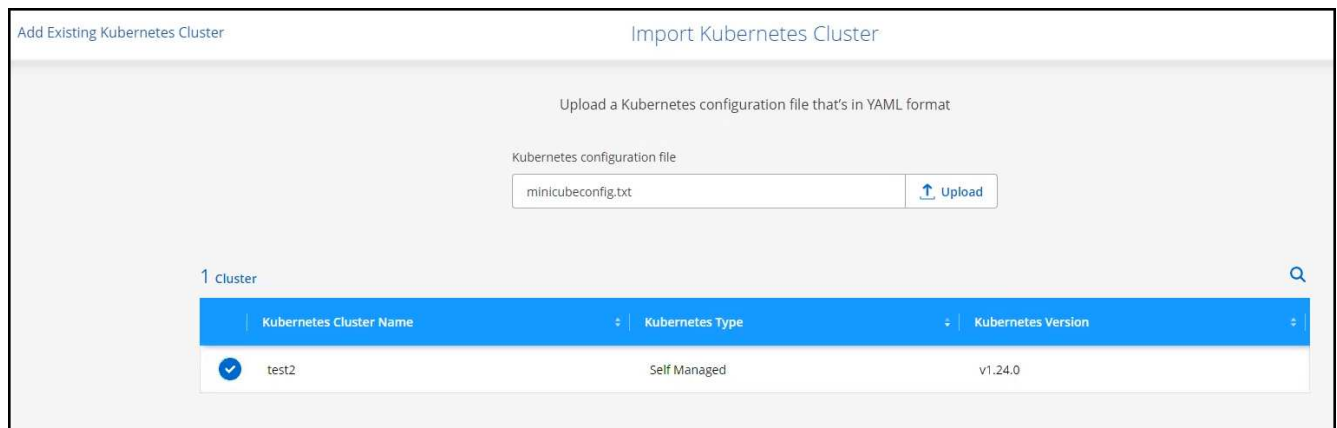
Before you begin

Before importing an OpenShift cluster, you need:

- The `kubeconfig-sa` file you created in [create a kubeconfig file](#).
- The public Certificate Authority (for example, ca.crt), Client Key (for example, tls.key), and Client Certification (for example, tls.crt) files for the cluster.

Steps

1. On the **Canvas**, select **Add Working Environment**.
2. Select your Cloud provider and select **Kubernetes Cluster > Discover**.
3. Select **Import Cluster** then **Next**.
4. Upload the `kubeconfig-sa` file you created in [create a kubeconfig file](#). Select the Kubernetes cluster and select **Next**.




5. Upload the cluster certificates.


Upload Cluster Certificates

To complete the import, upload the following cluster certificates. ⓘ


Certificate Authority

No file selected 

Client Key

No file selected 

Client Certificate

No file selected 

Result

BlueXP adds the Kubernetes cluster to the Canvas.

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