

## **Add Kubernetes clusters**

Kubernetes clusters

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## **Add Kubernetes clusters**

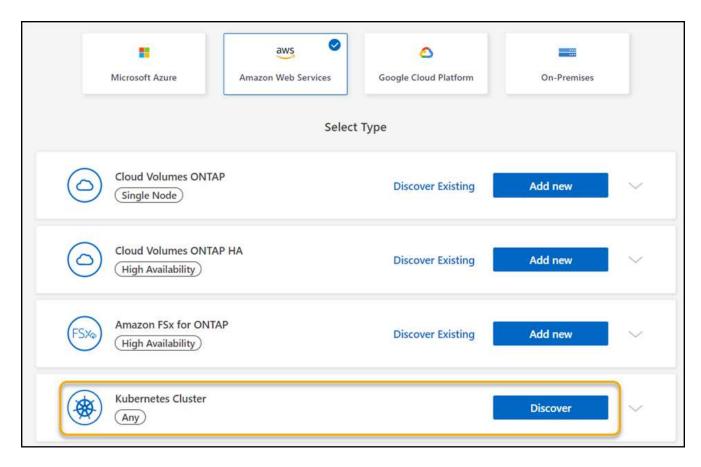
## Add an Amazon Kubernetes cluster to BlueXP

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

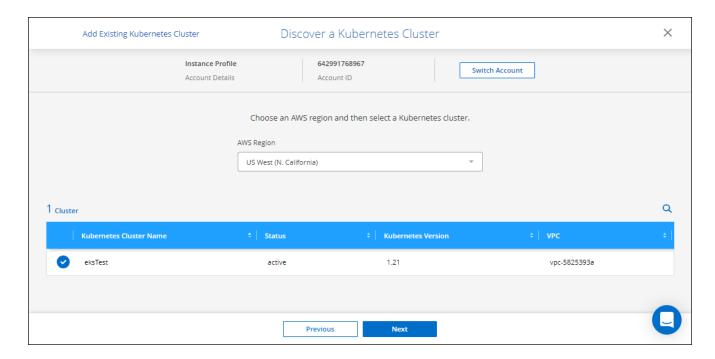
### Discover a cluster

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

- 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.



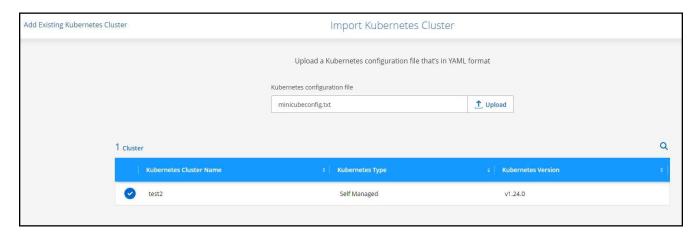
BlueXP adds the Kubernetes cluster to the Canvas.



## **Import a Cluster**

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

- 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.

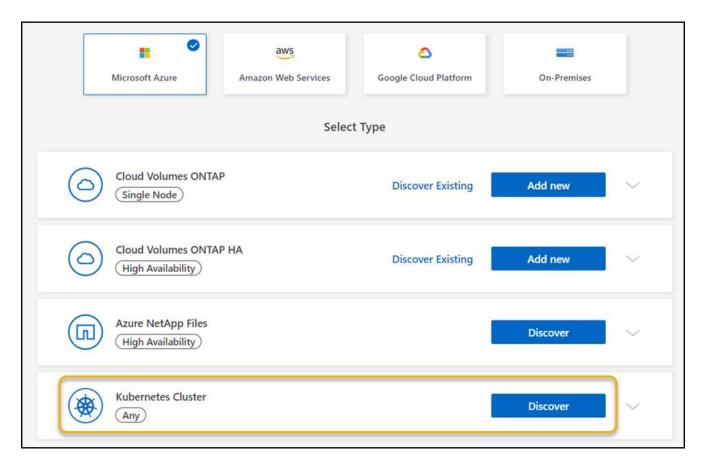
## Add an Azure Kubernetes cluster to BlueXP

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

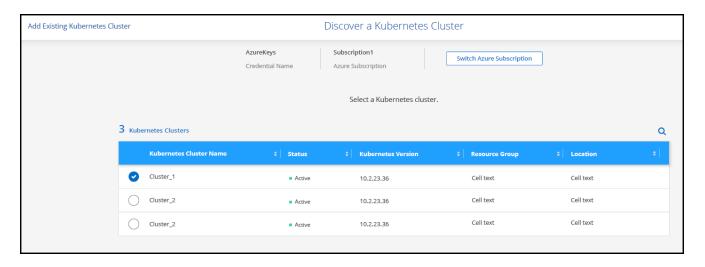
### Discover a cluster

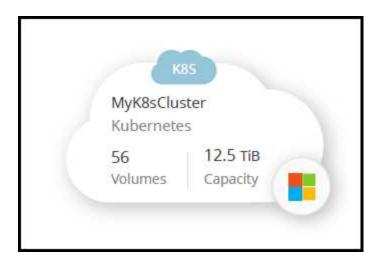
You can discover a fully-managed or self-managed Kubernetes cluster. Managed clusters must be discovered; they cannot be imported.

- 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.





### **Import a Cluster**

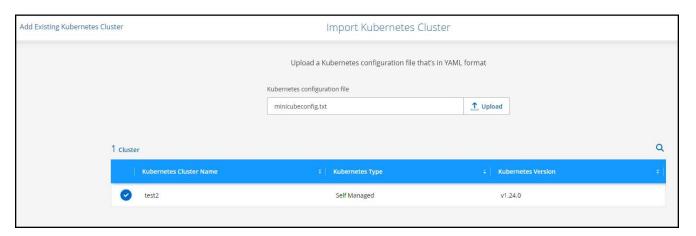
You can import a self-managed Kubernetes cluster using a Kubernetes configuration file.

### 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

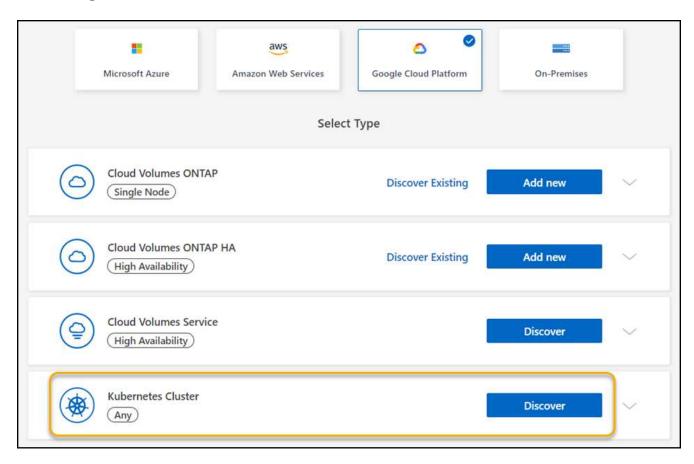
## Add a Google Cloud Kubernetes cluster to BlueXP

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

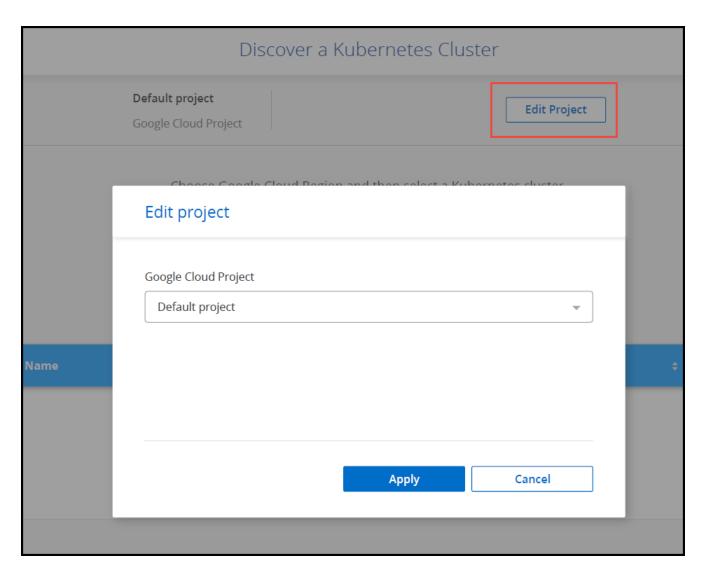
### Discover a cluster

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

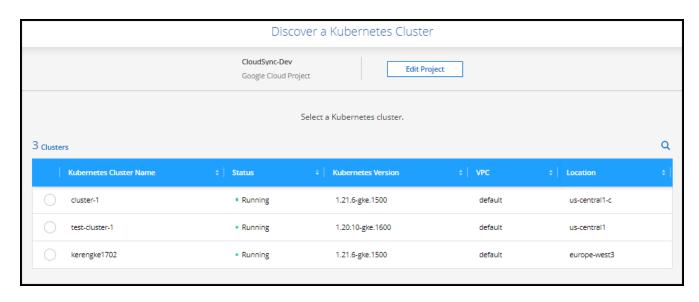
- 1. On the Canvas, click Add Working Environment.
- 2. Select Google Cloud Platform > Kubernetes Cluster > Discover.



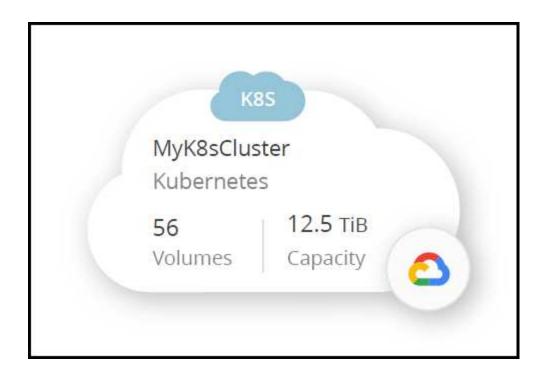
- 3. Select Discover Cluster and click Next.
- 4. To select a Kubernetes cluster in a different Google Cloud Project, click **Edit project** and choose an available project.



5. Select a Kubernetes cluster and click Next.



### Result



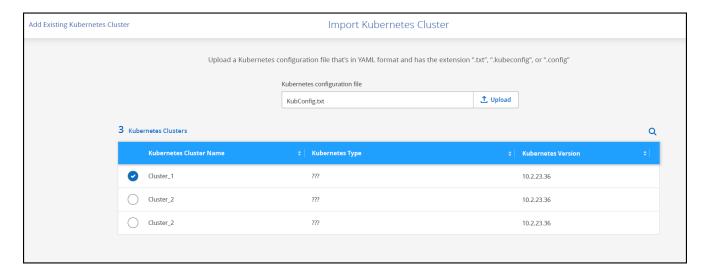
### Import a Cluster

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.

- 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.



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.

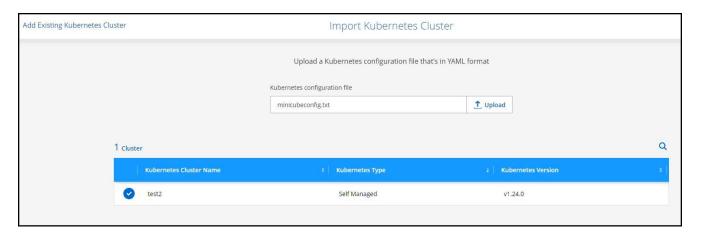
### Before you begin

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.
- Upload the kubeconfig-sa file you created in create a kubeconfig file. Select the Kubernetes cluster and select Next.



5. Upload the cluster certificates.



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