Get started

Kubernetes clusters

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Get started

Kubernetes data management in Cloud Manager

Astra Trident is a fully-supported open source project maintained by NetApp. Astra Trident integrates natively with Kubernetes and its Persistent Volume framework to seamlessly provision and manage volumes from systems running any combination of NetApp storage platforms. Learn more about Trident.

Features

You can directly manage your Kubernetes clusters using Cloud Manager.

- Install Astra Trident.
- Add and manage clusters as part of your hybrid cloud infrastructure.
- Add and manage storage classes and connect them to Working Environments.
- Back up persistent volumes using Cloud Backup Service.

Supported Kubernetes deployments

Cloud Manager supports managed-Kubernetes clusters running in:

- Amazon Elastic Kubernetes Service (Amazon EKS)
- Microsoft Azure Kubernetes Service (AKS)
- Google Kubernetes Engine (GKE)

Supported Astra Trident deployments

One of the four most recent versions of Astra Trident is required. You can install Astra Trident directly from Cloud Manager. You should review the prerequisites prior to installation.

To upgrade Astra Trident, upgrade with the operator.

Supported backend storage

NetApp's Astra Trident must be installed on each Kubernetes cluster and Cloud Volumes ONTAP must be configured as backend storage for the clusters.

Cost

There are no charges to *discover* your Kubernetes clusters in Cloud Manager, but you will be charged when you back up persistent volumes using Cloud Backup Service.

Get started with Kubernetes clusters

Add Kubernetes clusters to Cloud Manager for advanced data management in a few quick steps.

Quick start

Get started quickly by following these steps.

Review prerequisites

Ensure your environment meets the prerequisites for your cluster type.

Requirements for Kubernetes clusters in Azure

Add your Kubernetes clusters to Cloud Manager

You can add Kubernetes clusters and connect them to a Working Environment using Cloud Manager.

Add an Azure Kubernetes cluster

Start provisioning Persistent Volumes

Request and manage Persistent Volumes using native Kubernetes interfaces and constructs. Cloud Manager creates NFS and iSCSI storage classes that you can use when provisioning Persistent Volumes.

Learn more about provisioning your first volume with Astra Trident.

Manage your clusters using Cloud Manager

After adding Kubernetes clusters to Cloud Manager, you can manage the clusters from the Cloud Manager resource page.

Learn how to manage Kubernetes clusters.

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