



NetApp Trident Deployment and Configuration

NetApp Solutions

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NetApp Trident Deployment and Configuration

This section describes the tasks that you must complete to install and configure NetApp Trident in your Kubernetes cluster.

Prerequisites

Before you perform the deployment exercise that is outlined in this section, we assume that you have already performed the following tasks:

1. You already have a working Kubernetes cluster, and you are running a version of Kubernetes that is supported by Trident. For a list of supported versions, see the [Trident documentation](#).
2. You already have a working NetApp storage appliance, software-defined instance, or cloud storage service, that is supported by Trident.

Install Trident

To install and configure NetApp Trident in your Kubernetes cluster, perform the following tasks from the deployment jump host:

1. Deploy Trident using one of the following methods:
 - If you used NVIDIA DeepOps to deploy your Kubernetes cluster, you can also use NVIDIA DeepOps to deploy Trident in your Kubernetes cluster. To deploy Trident with DeepOps, follow the [Trident deployment instructions](#) on the NVIDIA DeepOps GitHub site.
 - If you did not use NVIDIA DeepOps to deploy your Kubernetes cluster or if you simply prefer to deploy Trident manually, you can deploy Trident by following the [deployment instructions](#) in the Trident documentation. Be sure to create at least one Trident Backend and at least one Kubernetes StorageClass. For more information about Backends and StorageClasses, see the [Trident documentation](#).



If you are deploying the NetApp AI Control Plane solution on an ONTAP AI pod, see [Example Trident Backends for ONTAP AI Deployments](#) for some examples of different Trident Backends that you might want to create and [Example Kubernetes Storageclasses for ONTAP AI Deployments](#) for some examples of different Kubernetes StorageClasses that you might want to create.

Next: [Example Trident Backends for ONTAP AI Deployments](#)

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