



# **NetApp Trident Deployment and Configuration**

NetApp Solutions

Dorian Henderson, Kevin Hoke, Michael Oglesby  
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# Table of Contents

- NetApp Trident Deployment and Configuration ..... 1
  - Prerequisites ..... 1
  - Install Trident ..... 1

# 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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