



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Using Astra Trident with Kubernetes

CODE:	LENGTH:	PRICE:
NEP_UATWK	16 Hours (2 days)	kr18,900.00

Description

In this course, you learn how to install, configure, and use NetApp® Astra Trident™ to manage Kubernetes with NetApp ONTAP® storage. You deploy Astra Trident by using the Trident operator and use the tridentctl and kubectl methods of managing configurations. You configure NFS-backed and iSCSI-backed storage by using Astra Trident and manage Snapshot™ copies, expand volumes, and import non-Astra Trident volumes to become managed volumes. You deploy Astra Trident in a multiple container storage interface (CSI) environment. Written for Kubernetes v1.23.0 and Astra Trident 22.01, this course includes an appendix on how to monitor Astra Trident.

Objectives

- Review how containers use persistent storage
- Describe the storage concepts that are available in Kubernetes
- Explain how Astra Trident makes managing persistent storage easier
- Install Astra Trident in a Kubernetes cluster
- Configure back ends, storage classes, and persistent volumes to use Astra Trident-managed storage
- Use Astra Trident to manage common use scenarios
- Monitor Astra Trident by using Prometheus and Grafana

Audience

- Systems Administrator
- Systems Architect
- Systems Operator
- Integration Engineer

Prerequisites

Kubernetes Administration knowledge/experience is required in addition to the 3 day course below.. [**OT-CLU-A - Cluster Administration**](#)

Programme

Module 1: Kubernetes storage overview

Persistent storage in Kubernetes
Container storage
Kubernetes storage concepts
Dynamic provisioning with Astra Trident

Module 2: Astra Trident Installation

Astra Trident details
Astra Trident installation

Module 3: Astra Trident configuration

Configure back ends
Manage storage classes
Persistent volumes using Astra Trident

Module 4: Managing Storage with Astra Trident

Manage Snapshot copies with Astra Trident
Expand volumes by using Astra Trident
Import volumes by using Astra Trident
Manage multiple-zone storage by using Astra Trident

Appendix 1: Kubernetes-related certifications

Cloud Native Computing Foundation exams
NetApp Kubernetes-related exams

Appendix 2: An introduction to operators

Design patterns for extending Kubernetes

Operators

Example operator implementation

Appendix 3: Astra Trident monitoring

Available options for monitoring Astra Trident

Monitor Astra Trident with Prometheus

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
31 Jul 2023	Virtual Classroom (CET)	CEDT	English	Classroom		kr18,900.00
23 Oct 2023	Virtual Classroom (CET)	CEDT	English	Classroom		kr18,900.00
18 Dec 2023	Virtual Classroom (CET)	CET	English	Classroom		kr18,900.00

Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)