



Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

Detalles de contacto

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Using Astra Trident with Kubernetes

CÓDIGO:	DURACIÓN:	Precio:
NEP_UATWK	16 Hours (2 días)	€1,900.00

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.

Objetivos

- 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

Público

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

Requisitos Previos

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

Programa

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

Fechas Programadas

Fecha	Localización	Zona horaria	Idioma	Modalidad de impartición	Impartición garantizada	Precio
15 Apr 2024	Virtual Classroom	CEDT	English	Classroom		€1,900.00
19 Aug 2024	Virtual Classroom	CEDT	English	Classroom		€1,900.00
07 Oct 2024	Virtual Classroom	CEDT	English	Classroom		€1,900.00
09 Dec 2024	Virtual Classroom	CET	English	Classroom		€1,900.00

Información Adicional

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