



Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

Detalles de contacto

Avda Europa 21, 28108 Alcobendas

Email: formacion.ecs.es@arrow.com

Phone: +34 91 761 21 51



Using Astra Trident with Kubernetes

CÓDIGO:	DURACIÓN:	Precio:
NEP_UATWK	24 Hours (3 días)	€2,850.00

Description

Learn how to install, configure, and use NetApp® Trident to manage Kubernetes with NetApp ONTAP® based storage systems. Deploy NetApp Trident by using the Trident operator and then use the tridentctl and kubectrl methods to manage configurations. Configure NFS-backed, iSCSI-backed, NAS economy-backed, and NVMe-over-TCP (NVMe/TCP) backed storage. Manage Snapshot copies, expand volumes, and import non-NetApp Trident volumes to become managed volumes. Install and configure Trident Protect to protect Kubernetes applications by using snapshots and backups. Restore snapshots and backups in place and to new namespaces. Finally, protect applications across clusters by using cloning and asynchronous SnapMirror. Written for Kubernetes v1.29, NetApp Trident 24.10, and NetApp Trident Protect 24.10.1, this course includes appendixes on Kubernetes certifications, operator design patterns to extend Kubernetes, and a GitOps introduction.

Objetivos

This course focuses on enabling you to do the following:

- Describe Kubernetes storage concepts
- Explain how Trident makes managing persistent storage easier, and install Trident in a Kubernetes cluster
- Configure back ends, storage classes, and persistent volumes to use storage that Trident manages
- Use Trident to manage common scenarios
- Install and use Trident Protect to protect Kubernetes applications
- Protect across clusters by cloning and mirroring applications
- Monitor Trident by using Prometheus and Grafana
- Investigate security options to ensure a secure Kubernetes environment

Público

- Systems Administrators
- Architects
- Integration Engineers

Requisitos Previos

Basic Linux Administration Skills

Programa

Module 1: Kubernetes Storage

- Persistent storage in Kubernetes
- Container storage
- Kubernetes storage concepts
- Static provisioning
- Dynamic provisioning

Module 2: Trident installation

- NetApp Trident details
- NetApp Trident installation

Module 3: Configuration

- Configure back ends
- Manage storage classes
- Create persistent volumes by using NetApp Trident
- Custom naming conventions

Module 4: Usage Scenarios

- Manage Snapshot copies
- Expand volumes
- Import volumes
- Manage multiple -zone storage
- Consumption and performance control
- Cross-namespace volume access

Module 5: Protection

- Trident Protect installation
- Application protection
- Application restoration
- Tridentctl-protect

Module 6: Business continuity

- Use cases
- Restoring an app to a new cluster
- Application mirroring
- MetroCluster support

Module 7: Monitoring

- Available options for monitoring NetApp Trident
- Monitor with Prometheus and Grafana

Module 8: Security

- SVM hardening
- NFS hardening
- iSCSI hardening

Module 9: Next steps

Appendix 1: Kubernetes Certifications

- Cloud Native Computing Foundation exams
- NetApp Kubernetes-related exams

Appendix 2: Introduction to operators

- Design patterns for extending Kubernetes
- Operators
- Example operator implementation

Appendix 3: GitOps introduction

- GitOps definition
- Benefits of GitOps
- Set up Argo CD

Fechas Programadas

Fecha	Localización	Zona horaria	Idioma	Modalidad de impartición	Impartición garantizada	Precio
10 Jun 2026	Virtual Classroom	EEST	Spanish	Classroom		€2,850.00

Información Adicional

[Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.](#)