



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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# Using Astra Trident with Kubernetes

<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
NEP_UATWK	16 Hours (2 DENNÍ)	Kč bez DPH 48,000.00

## Description

Školení je vedeno virtuálně v anglickém jazyce ve školicím středisku Arrow v Anglii.

Cena školení je 1 795 GBP bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

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.

## Cíle

- 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

## Určeno pro

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

## Vstupní znalosti

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

## Program

### 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 NetApp Kubernetes-related exams

### Appendix 1: Kubernetes-related certifications

Cloud Native Computing Foundation 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

## **Termíny školení**

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

## **Dodatečné informace**

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)