

Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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WUV

ONTAP Cluster and Data Protection Administration

Kód: DÉLKA: CENA:

NEP OT-CLU-DPA 40 Hours (5 DENNÍ) Kč bez DPH 122,000.00

Description

Cena kurzu je 4330 GBP bez DPH a bude přepočtena aktuálním kurzem v poslední den konání školení.

This 5 day course comprises the ONTAP Cluster Administration followed by the 2 day ONTAP Data Protection Administration courses.

The first 3 days uses lecture and hands-on exercises to teach the basic administration tasks of an ONTAP 9.11 cluster. You use the cluster shell and OnCommand System Manager to manage storage and network resources. ONTAP Cluster Administration is an intermediate course in a comprehensive learning path for NetApp customers, partners and employees.

Students spend the final 2 days learning about the different data protection solutions that are integrated into ONTAP software, including the SyncMirror, SnapMirror, storage virtual machine (SVM) disaster recovery, and SnapVault solutions. The course also provides an overview of ONTAP MetroCluster configuration, NDMP, and cloud-based data protection with NetApp Cloud Volumes ONTAP and NetApp Data Availability Services. You also learn about the tools for managing ONTAP data protection features. In the hands-on exercises, you use NetApp OnCommand System Manager and the CLI to complete key data protection tasks.

The course also provides an overview of the ONTAP MetroCluster high-availability and disaster recovery software solution.

Cíle

Define ONTAP cluster components

Describe the role of a storage VM (storage virtual machine, also known as SVM) in the NetApp storage architecture

Configure an ONTAP cluster

Configure and manage storage resources

Configure and manage networking resources

Create and configure a storage VM

Create, manage, and protect NetApp FlexVol® volumes

Implement storage efficiency features

Manage ONTAP administrator access and user accounts

Maintain NetApp storage systems

Describe and distinguish the data protection features in ONTAP software

Administer the appropriate ONTAP data protection feature to address your data protection concern

Configure NetApp SnapMirror® relationships for disaster recovery and data backup

Demonstrate SVM DR

Illustrate NDMP-enabled operations to back up NAS data to tape

Integrate the cloud-based data protection solutions that complement your ONTAP based storage systems

Structure NetApp MetroCluster components and functionality

Illustrate NetApp SnapMirror Business Continuity components and functionality

Určeno pro

Network Engineers Channel Partners System Engineers NetApp Customers

Vstupní znalosti

Completion of the following web based training modules accessed free of charge via the NetApp Learning Centre ONTAP Cluster Fundamentals

ONTAP NAS Fundamentals
ONTAP SAN Fundamentals
Please contact us for further support as required..

Program

3 day Cluster Administration

Module 1:NetApp ONTAP 9 clusters

- · ONTAP deployment options
- The ONTAP cluster
- Storage VMs
- · Software-defined storage

Module 2: Cluster setup

- · Supported ONTAP cluster configurations
- · Setting up a cluster
- Administration interfaces

Module 3: Cluster management

- Access control
- ONTAP licensing
- Policies and schedules

Module 4:Network management

- NetApp ONTAP network review
- Network ports
- · Network traffic segregation
- LIFs
- · Nondisruptive LIF configuration
- Network security
- · Routing management

Module 5:Physical storage management

- Drives, RAID, and aggregates
- Advanced Disk Partitioning
- Flash Cache and Flash Pool features
- FabricPool aggregates

Module 6: Logical storage management

- · Flexible volumes
- FlexGroup volumes
- FlexCache volumes
- Moving storage resources

Module 7: Data access

- · Use NAS protocols to access data
- Use SAN protocols to access data
- · Use object protocols to access data

Module 8: Data protection

- Manage Snapshot copies
- · Restore data from a Snapshot copy
- · Back up and replicate data
- Compliance
- Storage encryption
- Ransomware protection

Module 9: Storage efficiency

- Thin provisioning
- Deduplication and compression
- Flash efficiency
- · Logical space reporting
- Volume and file clones

Module 10: Cluster maintenance

- Data collection, monitoring, and automation tools
- Backing up and restoring your cluster configuration
- Upgrading your cluster
- Recommended practices for performance
- · Technical support
- Documentation

Module 11:Course review and postclass assessment

2 day Data Protection

Module 1: Overview of ONTAP data protection Data protection introduction ONTAP data protection solutions **ONTAP** management solutions

Module 2: SnapMirror Fundamentals

SnapMirror overview

Configuring SnapMirror relationships

Guidelines for Intercluster networking

Cluster and storage VM peering

Module 3: SnapMirror for disaster recovery and backup

SnapMirror for FlexVol volumes

SnapMirror configuration considerations

Using SnapMirror for volumes

Interaction between SnapMirror and other ONTAP features

S3 SnapMirror

FabricPool

Load-sharing mirrors

Addendum: SnapMirror and other data protection feature interaction

Module 4: SnapMirror Synchronous for disaster recovery

SnapMirror Synchronous

Configuring SnapMirror Synchronous

Additional SnapMirror Synchronous configuration

Module 5: Storage VM Disaster Recovery (SVM DR)

SVM DR introduction

SVM DR requirements and configuration

SVM data mobility

Module 6: ONTAP backup and archive solutions

NDMP fundamentals

NDMP topologies

NDMP management

Addendum: NetApp SnapCenter

Module 7: Cloud-based data protection

Cloud Volumes ONTAP

SnapMirror Cloud

Cloud Backup Service

ONTAP data protection with cloud volumes

Module 8: ONTAP business continuity solutions

MetroCluster fundamentals

MetroCluster operations

Consistency group management

SnapMirror Business Continuity introduction

SnapMirror Business Continuity configuration

Failover operations and failure scenarios

Addendum: SyncMirror feature

Configuring cluster peering and Storage VM peering

Using SnapMirror software to mirror FlexVol volumes

Performing SnapMirror disaster recovery

Configuring SnapMirror for unified replication

Restoring data from a Snapshot copy

Configuring a load-sharing mirror relationship

Configuring cluster and storage VM peering for a cascade relationship

Configuring a cascade relationship

Configuring a SnapMirror synchronous relationship

Configuring SVM DR

Zkoušky a certifikace

This course supports part of the following NetApp certifications: NetApp Certified Storage Installation Engineer (NCSIE) NetApp Certified Data Administrator (NCDA)

Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Тур	Garance termínu	CENA
13 Oct 2025	Virtual Classroom	CEDT	English	Instructor Led Online		Kč bez DPH 122,000.00
10 Nov 2025	Virtual Classroom	CET	English	Instructor Led Online		Kč bez DPH 122,000.00
15 Dec 2025	Virtual Classroom	CET	English	Instructor Led Online		Kč bez DPH 122,000.00

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.