



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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ONTAP 9.9.1 Data Protection Administration

CODE:	LENGTH:	PRICE:
NEP_OT-DPA 9.9.1	16 Hours (2 days)	£1,650.00

Description

This intermediate-level course introduces key concepts and techniques for protecting data on NetApp® ONTAP® based systems. You learn about the data protection solutions that are integrated in ONTAP software. You also learn about tools for managing ONTAP data protection features. In the hands-on exercises, you use ONTAP System Manager and the ONTAP CLI to perform key data protection tasks. This course is updated for ONTAP 9.9.1 software.

Objectives

This course focuses on enabling you to do the following:

- Identify the data protection features in NetApp ONTAP software
- Configure SnapMirror® relationships for disaster recovery and data backup
- Demonstrate SVM DR
- Explain MetroCluster components and functionality
- Describe SnapMirror Business Continuity components and functionality
- Describe NDMP-enabled operations to back up NAS data to tape
- Identify the cloud-based data protection solutions that NetApp offers

Audience

- Network Engineers
- Channel Partners
- System Engineers
- NetApp Customers

Prerequisites

- ONTAP Cluster Administration (3 day instructor led course)
- ONTAP Data Protection Fundamentals (elearning)

Please note that these free of charge courses are accessed via the NetApp Learning Centre. A NetApp id will be required to access this site. See link below..

[NetApp Learning Centre](#)

Programme

Module 1: ONTAP Integrated Data Protection

- Data Fabric and ONTAP Software
- ONTAP Data Protection Solutions
- Data Protection Management Solutions

Module 2: SnapMirror Fundamentals

- SnapMirror Overview
- Configuring SnapMirror Relationships
- Additional SnapMirror Configuration Considerations
- Guidelines for Intercluster Networking
- Cluster and SVM Peering

Module 3: SnapMirror Operation

- SnapMirror Asynchronous
- Using SnapMirror for Disaster Recovery
- SnapMirror Synchronous
- SnapMirror and ONTAP Feature Interaction

Module 4: Storage Virtual Machine Disaster Recovery

- SVM Disaster Recovery (SVM DR) Overview
- Prepare a SVM for Data Protection
- Perform a SVM Initial Data Transfer
- SVM Manual Update

Module 5: MetroCluster

- MetroCluster Fundamentals
- MetroCluster Operations

Module 6: SnapVault

- Implementing a SnapVault Relationship
- Using SnapVault Software to Restore Data

Module 7: NDMP and Tape Backup

- NDMP Fundamentals
- NDMP Management

Module 8: SnapCenter

- NetApp SnapCenter software
- Integration with third-party management software

Module 9: Cloud Volumes ONTAP

- Cloud Volumes ONTAP Environment
- Data Protection Capabilities of Cloud Volumes ONTAP

Module 10: Course Review ONTAP Data Protection Labs:

- Configuring a load-sharing mirror relationship
- Configuring cluster peering and SVM peering
- Using SnapMirror software to mirror FlexVol volumes
- Performing SnapMirror disaster recovery
- Configuring a SnapMirror synchronous relationship
- Using FlexClone technology to clone a SnapMirror volume
- Configuring storage virtual machine disaster recovery
- Configuring the SnapVault relationship

- Using SnapVault to restore data

Test and Certification

This course is part of the following certifications:

- NetApp Certified Data Administrator ONTAP (NCDA)
- NetApp Certified Implementation Engineer – Data Protection Specialist (NCIE)

Further details of NetApp certification can be found in the link below.. [NetApp Certification Details](#)

Session Dates

On request. Please [Contact Us](#)

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)