



Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

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Data Protection Administration

CODE:	LENGTH:	PRICE:
NEP_OT-DPA	16 Hours (2 days)	€2,040.00

Description

This intermediate-level course introduces key concepts and techniques for protecting data on NetApp® ONTAP® based storage systems. You learn about the data protection solutions that are integrated in ONTAP software. You also learn about tools to manage 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 9.11.1 software. Become proficient with NetApp ONTAP SnapMirror, SnapVault, SVM DR, SyncMirror, and NDMP technologies used to replicate, restore, and protect mission-critical data in the enterprise. Backup and restore operations are taught using the NetApp storage system CLI and the OnCommand System Manager. The course also provides an overview of the ONTAP MetroCluster high-availability and disaster recovery software solution.

Objectives

- 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

Audience

- Backup Administrators
- Data Protection Specialists

Prerequisites

The Cluster Administration class as below should be taken as a pre-requisite.. [OT-CLU-A - ONTAP Cluster Administration](#)
In addition the Data Protection elearning class accessed FOC via the NetApp Learning Center should be undertaken. Please contact us via the link below for support as required..

[Contact Us](#)

Programme

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

Test and Certification

This course is part of the following NetApp Certifications:

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

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
23 Feb 2023	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		€2,040.00
30 Mar 2023	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online	Yes	€2,040.00
25 May 2023	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€2,040.00
08 Jun 2023	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€2,040.00
13 Jul 2023	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€2,040.00

Additional Information

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