



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

---

**You can reach us at:**

Arrow ECS, Woluwedal 30, 1932 Sint-Stevens-Woluwe

Email: [education.ecs.benelux@arrow.com](mailto:education.ecs.benelux@arrow.com)

Phone: +32 2 332 19 57

# Data Protection Administration

CODE:	LENGTH:	PRICE:
NEP_OT-DPA	16 Hours (2 days)	€1,900.00

## Description

Explore key concepts and techniques for protecting data on NetApp® ONTAP® based storage systems. Learn about the data protection solutions that are integrated in ONTAP software and examine the tools to manage ONTAP data protection features. In the hands-on exercises, use NetApp ONTAP System Manager and the ONTAP CLI to perform key data protection tasks. This course is updated for ONTAP 9.14.1 software.

## 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 storage VM disaster recovery (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 SnapMirror active sync components and functionality

## Audience

NetApp Administrators, Architects and Operators

## Prerequisites

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

### [Contact Us](#)

## Programme

- Introduction to SnapMirror
- Configuring SnapMirror relationships
- Guidelines for intercluster networking

### **Module 1: SnapMirror Fundamentals** • Cluster and storage VM peering **Exercises**

Configuring cluster peering and storage VM peering **Module 2: SnapMirror for Disaster Recovery and Backup**

- SnapMirror for FlexVol volumes
- SnapMirror configuration considerations
- SnapMirror for disaster recovery
- SnapMirror for backup
- Interaction between SnapMirror and other ONTAP features
- S3 SnapMirror
- FabricPool **Exercises**
- Using SnapMirror to mirror FlexVol volumes
- Performing SnapMirror disaster recovery
- Configuring SnapMirror for unified replication
- Restoring data from a Snapshot copy
- Configuring cluster and storage VM peering for a cascade relationship (optional)
- Configuring a cascade relationship(optional)

- SnapMirror Synchronous
- Configuring SnapMirror Synchronous for disaster recovery

**Module 3: SnapMirror Synchronous for Disaster Recovery** • Additional SnapMirror Synchronous configuration

**Exercises** Configuring a SnapMirror Synchronous relationship

- SVM DR introduction
- SVM DR requirements and configuration
- SVM data mobility

**Module 4: Storage VM Disaster Recovery (SVM DR)**

- Exercises** Configuring storage VM data recovery
- NDMP fundamentals
  - NDMP topologies

**Module 5: ONTAP Backup and Archive Solutions** • NDMP management

- SnapMirror Cloud
- Cloud Volumes ONTAP
- Data protection with NetApp BlueXP
- Consistency group management
- Introduction to SnapMirror active sync
- SnapMirror active sync configuration
- Failover operations and failure scenarios
- MetroCluster fundamentals

**Module 6: Cloud-based Data Protection**

- Module 7: ONTAP Business Continuity Solutions**

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
19 Dec 2024	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00
16 Jan 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00
20 Feb 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00
20 Mar 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00
10 Apr 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
23 May 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
19 Jun 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
17 Jul 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
21 Aug 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
15 Sep 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
16 Oct 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,900.00
13 Nov 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00
18 Dec 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,900.00

## Additional Information

This training is also available as onsite training. Please contact us to find out more.