



**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



# ONTAP 9.10 Data Protection Administration

**CODE:**

NEP\_OT-DPA9.10

**LENGTH:**

16 Hours (2 days)

**PRICE:**

€1,900.00

## 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 9.10.1 software.

## Objectives

This course focuses on enabling you to do the following:

- Describe and distinguish the data protection features in NetApp ONTAP software
- Administer the correct ONTAP data protection feature to address your concern
- Configure SnapMirror relationships for disaster recovery and data backup
- Demonstrate SVM DR
- Describe NDMP-enabled operations to back up NAS data to tape
- Describe the cloud-based data protection solutions that complement your ONTAP based systems
- Describe MetroCluster components and functionality
- Describe SnapMirror Business Continuity components and functionality

## Audience

- Customers
- Partners
- Employees

## Prerequisites

The 3 day classroom Cluster Administration course is required as is the Data Protection Fundamentals elearning class which is free of charge via the NetApp Learning Centre. Please contact us for further details as below..

<https://edu.arrow.com/uk/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 Overview
- 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 scenariosAddendum: SyncMirror feature

## **Test and Certification**

This course is part of the following certifications:

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

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

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

