



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# ONTAP SAN Implementation

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
NEP_OT-SANI	24 Hours (3 days)	€2,850.00

## Description

Learn how to install NetApp® ONTAP® 9 data management software for a SAN environment. Explore block-level protocols on Microsoft Windows Server and Linux host operating systems, including FC, FCoE, NVMe, and iSCSI. Apply your knowledge through hands-on guided exercises in a lab environment and through an exercise workbook that serves as an on-the-job reference guide.

## Objectives

- Discuss SAN fundamentals for ONTAP software
- Explain ONTAP SAN resource provisioning
- Describe iSCSI, FC, and FCoE configuration in ONTAP software
- Explain the NVMe over Fabrics (NVMe-oF) implementation in ONTAP software
- Discuss host configuration requirements
- Explain Windows and Linux configuration for iSCSI
- Describe Windows and Linux configuration for FC

## Audience

- Administrators
- Engineers
- Architects

## Prerequisites

- Certification as a NetApp Data Management Administrator
- Working knowledge of ONTAP 9 software and storage area networking
- ONTAP Cluster Fundamentals via NetApp Learning Centre
- ONTAP SAN Fundamentals via NetApp Learning Centre
- ONTAP Cluster Administration via NetApp Learning Centre

## Programme

- Classroom logistics
- Course prerequisites

### Module 0: Introduction • Course agenda      Module 1: ONTAP SAN fundamentals

- Implementing iSCSI, FCP, FCoE, and NVMe-oF SAN in ONTAP software
- SAN architecture
- Interoperability Matrix Tool
- SAN scalability and maximums
- IP SAN configurations
- FC SAN configurations
- LUN provisioning

### Module 3: ONTAP iSCSI configuration concepts • iSCSI configuration workflow

- FC configuration recommendations
- FC and FCoE zoning
- Cisco switches

### Module 2: ONTAP SAN resource provisioning

- iSCSI configuration recommendations
- iSCSI feature overview

### Module 4: ONTAP FC configuration concepts • Brocade switches

### Module 5: NVMe-oF configuration

- NVMe
  - NVMe-oF
  - NVMe integration into ONTAP software
  - Host considerations
  - Windows hosts
  - Linux and UNIX hosts
  - LUN offset
  - Configuring a Windows host for iSCSI
- Module 6: Host integration**
- iSCSI configuration
  - Linux iSCSI configuration
- Module 7: Microsoft Windows IP SAN connectivity**
- Linux iSCSI implementation
- Module 8: Linux IP SAN connectivity**
- Configuring a Windows host for FC
  - Identifying the WWNN and WWPN on a Windows host
  - Implementing and verifying multipath FC connectivity between a Windows host and ONTAP software
- Module 9: Windows FC SAN connectivity**
- Linux iSCSI implementation
- Module 10: Linux FC SAN connectivity**
- Configuring a Linux host for FC
  - Identifying WWNPs on a Linux host
  - Implementing and verifying multipath FC connectivity between a Linux host and ONTAP software

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
09 Dec 2024	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00

## Additional Information

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