



Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

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ONTAP SAN Implementation

CODE:	LENGTH:	PRICE:
NEP_OT-SANI	24 Hours (3 days)	€3,060.00

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 7: Microsoft Windows IP SAN connectivity • iSCSI configuration

- Linux iSCSI configuration

Module 8: Linux IP SAN connectivity • Linux iSCSI implementation **Module 9: Windows FC 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 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 (CET / UTC +1)		English	Instructor Led Online		€3,060.00
15 Apr 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00
13 May 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00
10 Jun 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00
26 Aug 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00
13 Oct 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00
15 Dec 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€3,060.00

Additional Information

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