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

Module 0: Introduction
• Classroom logistics
• Course prerequisites
• 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 2: ONTAP SAN resource provisioning
• iSCSI configuration recommendations
• iSCSI feature overview
• iSCSI configuration workflow

Module 3:ONTAP iSCSI configuration concepts
• FC configuration recommendations
• FC and FCoE zoning
• Cisco switches
• Brocade switches

Module 4: ONTAP FC configuration concepts

Module 5: NVMe-oF configuration

• Host considerations
• NVMe
• Windows hosts
• NVMe-oF
• Linux and UNIX hosts
• NVMe integration into ONTAP software **Module 6:Host integration** • 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 Wndows 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

Additional Information

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