

ONTAP SAN Implementation 9.8

Duration: 3 Days **Course Code: NEP_OT-SANI**

Overview:

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.

Target Audience:

AdministratorsEngineersArchitects

Objectives:

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

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

Module 2: ONTAP SAN resource provisioning

- IP SAN configurations
- FC SAN configurations
- LUN provisioning

Module 3: ONTAP iSCSI configuration concepts

- iSCSI configuration recommendations
- iSCSI feature overview
- iSCSI configuration workflow

Module 4: ONTAP FC configuration concepts

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

Module 5: NVMe-oF configuration

- NVMe
- NVMe-oF
- NVMe integration into ONTAP software

Module 6: Host integration

- Host considerations
- Windows hosts
- Linux and UNIX hosts
- LUN offset

Module 7: Microsoft Windows IP SAN connectivity

- Configuring a Windows host for iSCSI
- iSCSI configuration

Module 8: Linux IP SAN connectivity

- Linux iSCSI configuration
- 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 WWNNs on a Linux host
- Implementing and verifying multipath FC connectivity between a Linux host and ONTAP software

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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