ONTAP SAN Implementation

Category: Infrastructure & IT Operations | **Vendor:** NetApp

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Learn how to install NetApp ONTAP9 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.

About This Course

Learn how to install NetApp ONTAP9 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.

Who Should Attend

Administrator, Engineer, Architect

Prerequisites & Entry Requirements

General Prerequisites:

- Certification as a NetApp Data Management Administrator
- Working knowledge of ONTAP 9 software and storage area networking
- ONTAP Cluster Fundamentals (WBT)
- ONTAP SAN Fundamentals
- Completion of the following:

- Either ONTAP Cluster Administration (ONTAP9ADM) or ONTAP Cluster Administration and Data Protection Bundle (CDOTDP9)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course focuses on enabling you to do the following:

- 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

Detailed Course Outline

Module 1: ONTAP SAN Fundamentals

- Implementing iSCSI, FCP, and FCoE and NVMe-oF SAN in ONTAP Software
- SAN Architecture
- IMT (Interoperability Matrix Tool)
- SAN Scalability and Maximums

Module 2: ONTAP SAN Resource Provisioning

- IP SAN Configurations
- FC SAN Configurations
- LUN Provisioning

Module 3: ONTAP iSCI 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: High-Performance and Scalable Network Storage Using NVMe over Fabrics

- NVMe

- NVMe-oF

- NVMe Integration into ONTAP

Module 6: Host Integration

- Host Considerations

- Windows Hosts

- Linux and UNIX Hosts

- LUN Offset

Module 7: 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

- Configure a Windows Host for FC
- Identify the WWNN and WWPN on a Windows Host
- Implement and Verify Multipath FC Connectivity between a Windows Host and ONTAP Software

Module 10: Linux FC SAN Connectivity

- Configure a Linux Host for FC
- Identify WWPNs on a Linux Host
- Implement and Verify Multipath FC Connectivity between a Linux Host and ONTAP Software

Skills You Will Learn:

This course focuses on enabling you to do the following:

- 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

Frequently Asked Questions

Q: What delivery options are available for ONTAP SAN Implementation?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day ONTAP SAN Implementation course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the ONTAP SAN Implementation training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for ONTAP SAN Implementation?

Yes, we provide corporate training, dedicated training, and closed classes for ONTAP SAN Implementation. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: ONTAP SAN Implementation, NetApp SAN, SANIMP

Q: Why choose Nexus Human for ONTAP SAN Implementation?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your ONTAP SAN Implementation training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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