

ONTAP ASA Administration



Delivery: Instructor-led training (ILT)

Duration: 2 days

Course Description

Explore how to administer and support NetApp® ONTAP® ASA storage systems. Reinforce your learning through hands-on exercises. The course materials include an exercise workbook that serves as an on-the-job reference guide.

Role

Storage administrator

Prerequisites

- Basic knowledge of SAN
- *Introduction to ASA*
- *ASA Fundamentals*

Objectives

This course focuses on enabling you to do the following:

- Explore SAN architecture and configuration
- Discover iSCSI, FC, and NVMe concepts, recommendations, and guidelines
- Install NetApp Host Utilities
- Configure an IP SAN environment with iSCSI and NVMe over TCP (NVMe/TCP)
- Examine SAN availability and data protection and perform routine management tasks

Course Content

This course includes the following modules, lessons, and exercises:

Module	Lessons	Exercises
Module 1: Introduction to ONTAP SAN configuration	<ul style="list-style-type: none">• ASA systems• ONTAP virtual architecture• IP SAN configurations• FC SAN configurations• Provisioning workflow	Exploring ONTAP System Manager
Module 2: iSCSI configuration concepts	<ul style="list-style-type: none">• iSCSI configuration recommendations• Introduction to iSCSI features	Examining Linux FCP and iSCSI configurations
Module 3: FC configuration concepts	<ul style="list-style-type: none">• FC configuration recommendations• FC zoning• Cisco switches• Brocade switches	Examining the Windows FC configuration
Module 4: NVMe-oF configuration concepts	<ul style="list-style-type: none">• Introduction to NVMe• NVMe-oF encapsulation• NVMe integration in ONTAP software	Configuring a host for NVMe
Module 5: SAN host integration	<ul style="list-style-type: none">• Host considerations• Windows hosts• Linux, UNIX, and VMware hosts	Installing NetApp Host Utilities
Module 6: IP SAN connectivity	<ul style="list-style-type: none">• Configuring a host for IP SAN• iSCSI configuration example• NVMe/TCP configuration example	Creating storage units and connecting storage to hosts

Module	Lessons	Exercises
<p>Module 7: SAN availability and data protection</p>	<ul style="list-style-type: none"> • High availability and multipathing • Data protection in SAN environments 	<p>Exploring day-to-day storage management tasks</p>

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