ONTAP Advanced Networking (ONTAPADVN)

Course Description

Learn how to configure and manage networking in NetApp® ONTAP® clusters. The ONTAP Advanced Networking course is a comprehensive, hands-on training program designed for technical professionals who need to understand, configure, and manage networking in ONTAP environments. Whether you are new to ONTAP or looking to deepen your expertise, this course provides a structured and layered approach to mastering ONTAP networking—from foundational concepts to advanced configuration and troubleshooting.

Course Duration:

2 days.

Prerequisites:

ONTAP Cluster Administration (ILT)

Objectives:

This course focuses on enabling you to do the following:

- Describe the ONTAP networking architecture
- Identify and configure ONTAP network components
- Implement and manage ONTAP network services
- Secure ONTAP network traffic
- Optimize network performance and reliability

Course Outline:

Module 1: ONTAP Networking

- ONTAP networks
- Networking hardware components
- Networking software components
- Network configuration workflow
- Network protocol model layers

Module 2: Physical Network Layer

- ONTAP physical network components

Module 3: Data Link Layer

- The Ethernet protocol
- Troubleshooting the network access layer
- Network packet trace and analysis
- Neighbor discovery

Module 4: Network Layer

- Network layer
- ONTAP logical network interfaces (LIF)
- Hostname resolution
- LIF traffic load balancing

Module 5: Transport and Session Layers

- Transport layer
- Session layer
- LIF failover

Module 6: ONTAP Routing

- Manage routing in an SVM
- Virtual LIFs

Module 7: Network Security

- Securing network connections
- LIF firewall

Module 8: ONTAP Network Management

- Network troubleshooting
- Troubleshooting packet loss
- Monitoring ONTAP systems with SNMP
- Network performance

Who Should Attend:

Administrator, architect, and operator