ONTAP Cluster Administration

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 the basic administration tasks of a NetApp® ONTAP® 9.16 cluster. Use the clustershell and NetApp ONTAP System Manager to manage cluster storage and network resources. Discover how to configure basic data protection and data efficiency functions and common cluster maintenance tasks.

About This Course

Module 1: NetApp ONTAP 9 Clusters

- ONTAP deployment options
- The ONTAP cluster
- Storage VMs
- Software-defined storage

Module 2: Cluster Setup

- Supported ONTAP cluster configurations
- Setting up a Cluster
- Administration Interfaces
- ONTAP licensing
- Policies and Schedules

Module 3:Physical storage management

- Drives, RAID, and aggregates
- Advanced Disk Partitioning
- Flash Cache and Flash Pool features
- FabricPool aggregates

Module 4: Logical Storage Management

- Flexible Volumes
- FlexGroup volumes
- FlexCache volumes
- Moving Storage Resources

Module 5: Storage Efficiency

- Thin provisioning
- Deduplication and compression
- Flash efficiency

- Volume and file clones

Module 6: Network Management

- NetApp ONTAP Network Review
- Network Ports
- Network Traffic Segregation
- Logical network interfaces
- Nondisruptive LIF configuration
- Network security
- Routing Management

Module 7: NAS Data Access

- Using NAS protocols to access data
- Use the NFS protocol to access data
- Use the SMB protocol to access data
- Use the S3 protocol to access data

Module 8: SAN data access

- Use SAN protocols to access data
- Use the iSCSI protocol to access data
- Use the FC protocol to access data
- Use the NVMe protocol to access data

Module 9: Data Protection

- Manage Snapshot Copies
- Restore data from a Snapshot copy
- Backup and replicate data
- Compliance

Module 10: ONTAP security

- Access control
- Storage encryption
- Ransomware protection

Module 11: Cluster Maintenance

- Data collection, monitoring and automation tools
- Upgrading your cluster
- Technical support

Who Should Attend

Systems administrator, cloud architect, operator, data protection specialist, enterprise architect, and integration engineer

Prerequisites & Entry Requirements

General Prerequisites:

- ONTAP Cluster Foundations ONTAP Cluster Foundations (ONTAPCF)
- ONTAP NAS Fundamentals (WBT)
- ONTAP SAN Fundamentals (WBT)

Learning Outcomes

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

This course focuses on enabling you to do the following:

- Define NetApp ONTAP cluster components
- Describe the role of a storage VM (storage virtual machine, also known as SVM) in the NetApp storage architecture
- Configure an ONTAP cluster
- Configure and manage both networking and storage resources
- Create and configure a storage VM
- Create, manage, and protect NetApp FlexVol® volumes
- Implement storage efficiency features
- Manage ONTAP administrator access and user accounts
- Maintain NetApp storage systems

Detailed Course Outline

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- Moving storage resources

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- Network traffic segregation

- Logical network interfaces

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- Use the iSCSI protocol to access data

- Use the FC protocol to access data

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Module 9:Data protection\t

- Manage Snapshot copies

- Restore data from a Snapshot copy

- Back up and replicate data

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Module 10:ONTAP security\t

- Access control

- Storage encryption

- Ransomware protection

Module 11:Cluster maintenance\t

- Data collection, monitoring, and automation tools

- Upgrading your cluster

- Technical support

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for ONTAP Cluster Administration?

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 Cluster Administration 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 Cluster Administration 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 Cluster Administration?

Yes, we provide corporate training, dedicated training, and closed classes for ONTAP Cluster Administration. 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 Cluster Administration, NetApp Platform OS, ONTAP9ADM

Q: Why choose Nexus Human for ONTAP Cluster Administration?

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 Cluster Administration 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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