ONTAP Performance Administration

Duration: 3 Days **Course Code: NEP_OT-PERFADM** **Delivery Method: Company Event**

Overview:

Learn the basic administration tasks of a NetApp® ONTAP® 9.14 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.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

This course is aimed at: AdministratorArchitectOperator

Objectives:

- • Define 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
- • Manage NetApp storage systems

Prerequisites:

Testing and Certification

Content:

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 licences
- Policies and Schedules

Exercises

Deploying an ONTAP cluster

Exploring ONTAP management UIs

Configuring ONTAP Clusters

Module 3: Physical Storage Management

• Drives, RAID, and aggregates

• Advanced Disk Partitioning

• Flash Cache and Flash Pool features

• FabricPool aggregates

Exercises

Managing physical storage

Exploring RAID-TEC

Module 4:Logical Storage Management

• Flexible volumes

• Deduplication and compression

• Flash efficiency

• Volume and file clones

Exercises

Managing storage efficiency

Managing FlexClone volumes

Module 6: Network Management

• ONTAP network review

• Network ports

• Network traffic segregation

• Logical network interfaces

• Nondisruptive LIF configuration

• Network security

• Routing management

Exercises

Managing physical and logical network resources

Managing virtual network resources

Module 7: NAS Data Access

• Use NAS protocols to access data

• Use the NFS protocol to access data

• Use the SMB protocol to access data

• 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

Exercises

Configuring iSCSI in a storage VM

Configuring NVMe in a storage VM

Module 9: Data Protection

• Manage Snapshot copies

• Restore data from a Snapshot copy

• Back up and replicate data

• Compliance

Exercises

Managing Snapshot copies

Module 10: ONTAP Security

• Access control

• Storage encryption

• Ransomware protection

Exercises

Managing ONTAP Administrators

Module 11: Cluster maintenance

• Moving storage resources

• FlexGroup volumes

• FlexCache volumes

Exercises

Managing data volumes

Creating a FlexGroup volume

Module 5: Storage Efficiency

• Thin provisioning

• Use the S3 protocol to access data

Exercises

Monitoring with ONTAP File System Analytics

Configuring the NFS protocol in a storage VM

Configuring the SMB protocol in a storage VM

Configuring the S3 protocol in a storage VM

Module 8: SAN Data Access

• Data collection, monitoring, and automation tools

• Upgrading your cluster

• Technical support

Exercises

Installing and configuring Active IQ Config Advisor

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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