NetApp OnCommand Unified Manager Administration (OCADM)

COURSE OVERVIEW:

Centralize your ability to deploy, automate, protect and monitor all your storage with NetApp© OnCommand unified manager software. With its unique capability of monitoring and managing both physical and virtual storage infrastructures, it offers effective, cost-efficient management of your shared storage infrastructure. It enables you to optimize utilization, meet SLAs, minimize risk, and boost the performance of your storage infrastructure. This course provides an overview of the features of OnCommand management software. In this course you learn to administer your storage infrastructure by using OnCommand management software.

WHO WILL BENEFIT FROM THIS COURSE?

The target audience is NetApp Employees, Partners and Customers.

PREREQUISITES:

Data ONTAP 7-Mode Administration (D7ADM)

COURSE OBJECTIVES:

By the end of this course you should be able to:
- Monitor and manage physical and virtual storage infrastructure
- Provision storage for VMware virtual infrastructure using SnapDrive for Windows
- Provision storage for application datastores using OnCommand provisioning capability
- Perform policy-based backups using OnCommand protection capability
- Clone VMs and backup and recover VMware infrastructure using On-Command plug-in for VMware
- Administer security to enable business policy compliance
- Automate storage provisioning and protection by using storage catalogue
- Monitor and analyze storage systems and vFiler unit performance using Performance Advisor

COURSE OUTLINE:

Module 1: Introduction to NetApp OnCommand Management Software
- Describe the OnCommand portfolio of products
- Describe OnCommand management software and its capabilities

Module 2: Installing and Configuring OnCommand Unified Manager
- Install and configure the OnCommand Unified Manger
- Configure AutoSupport

Module 3: Monitoring Storage Systems
- Monitor storage objects
- Manage groups of storage objects
- Manage users and roles for OnCommand Unified Manager

Module 4: Describing Provisioning and Protection Capabilities
- Describe the OnCommand protection and provisioning capabilities
- Create resource pools and datasets
- Associate datasets with resource pools, protection policies, and provisioning policies
- Create storage services

Module 5: Protecting and Restoring Virtual Objects

- Back up virtual objects
- Mount virtual objects
- Restore virtual objects

Module 6: Recovering Data

- Use the protection capability to restore data
- Perform failover and failback

Module 7: Working with Provisioning and Protection Capabilities

- Manage external relationships
- Describe the job engine
- Edit datasets
- Manage secondary space

Module 8: Creating and Managing vFiler Units

- Create vFiler units
- Create vFiler templates
- Migrate vFiler units
- Migrate datasets

Module 9: Managing Storage Systems

- Monitor storage system events
- Manage users of the storage systems
- Manage configuration settings
- Create reports

Module 10: Working with Performance Advisor

- Provide an overview of Performance Advisor
- Diagnose performance issues
- Perform event correlation
- Export performance data
- Configure data collection
- View performance data

Lab Exercises

- 2-1 Verify the installation of core packageand host package
- 2-2 Securing storage systems
- 2-3 Discovering storage systems
- 2-4 Configuring AutoSupport
- 3-1 Configuring groups of storage systems
- 3-2 Creating OnCommand Unified Manager
- 4-1 Installing the NetApp Management Console
- 4-2 Create resource pools
- 4-3 Create a provisioning policy for NAS and secondary storage
- 4-4 Create datasets
- 4-5 Create protection policies and schedules

- 4-6 Associate datasets with protection policies and resource pools
- 4-7 Use the storage service wizard to create a storage service and to apply it to a new dataset
- 5-1 Configuring host service
- 6-1 Perform failover and failback
- 7-1 Importing relationships into OnCommand Unified Manager
- 7-2 Perform Secondary Space Management
- 7-3 Delete Snapshot copies for a dataset
- 7-4 Resize secondary storage for a dataset
- 7-5 Run On-Demand deduplication
- 7-6 Modifying a dataset
- 7-7 Troubleshooting the provisioning capability
- 7-8 Troubleshooting the protection capability
- 8-1 Create and set up a vFiler unit
- 8-2 Migrate a vFiler unit
- 9-1 Monitoring storage systems events
- 9-2 Creating users and roles on the storage system
- 9-3 Configuring storage systems
- 9-4 Create reports
- 10-1 Configuring data collection
- 10-2 Defining thresholds and creating alerts
- 10-3 Viewing performance data
- 10-4 Perform performance diagnosis

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