Dell EMC Unity Implementation and Administration

Course Description

Course Duration

4 days

Overview

This virtual instructor-led course covers the knowledge necessary to understand the features and functionality and key use cases of a Dell Unity storage system. Topics include system administration, storage provisioning, scalability and performance features, storage efficiency features, data mobility features and data protection features.

Hands-on labs provide practical experience applying concepts discussed throughout the course.

Audience

This course is intended for professionals who will be positioning, designing, deploying, managing and supporting solutions using Dell Unity XT arrays.

Prerequisite Knowledge/Skills

- Dell Unity Features and Concepts
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- Dell Unity Hardware Features and Concepts
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Course Objectives

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

- Perform administration operations via Unisphere
- Provision block, file and VMware datastore storage
- Access block, file and VMware datastore storage
- Use performance and scalability features
- Use data efficiency features
- Perform block and file data mobility operations
- Perform snapshot and replication data protection operations

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Course Outline

The content of this course is designed to support the course objectives and is provided in a role-based structure.

- System Administration
    - Interfaces and access control
    - Basic system settings
    - Unisphere support configuration
    - Unisphere alerts and events monitoring

- Storage Provisioning
    - Storage resources overview
    - Storage pools: dynamic and traditional
    - Block storage provisioning and host access
    - File storage provisioning and NAS client access
    - VMware datastore provisioning and ESXi host access

- Scalability, Performance and Compliance
    - FAST Cache
    - Host I/O limits
    - UFS64 File System extension and shrink
    - File-level Retention (FLR)

- Storage Efficiency
    - Data reduction
    - FAST VP
    - Thin Clones
    - File system Quotas

- Data Mobility
    - Local LUN Move
    - Local NAS Server Mobility

- Data Protection with Snapshots
    - Snapshots overview
    - LUNs and Consistency Groups snapshots

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- o File System snapshots
- o Native vVol snapshots

- Data Protection with Replication
  - o Replication overview
  - o Asynchronous replication configuration
  - o Synchronous replication configuration
  - o Replication operations
  - o Replica access

Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.