

# Dell EMC Unity Implementation and Administration – Classroom ILT

## Course Description

### Course Duration

4 days

### Overview

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

### Prerequisite Knowledge/Skills

- Dell EMC Unity Features and Concepts
- Dell EMC Unity Hardware Features and Concepts

### 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 snapshot and replication data protection operations
- Perform block and file data mobility operations

### Support Contact

[Education Services](#)

### DELL EMC Corporation

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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.

- **Module 1: System Administration**
  - Lesson 1: Interfaces and access control
  - Lesson 2: Basic settings
  - Lesson 3: Unisphere support configuration
  - Lesson 4: Unisphere Alerts
  
- **Module 2: Storage Provisioning**
  - Lesson 1: Storage resources overview
  - Lesson 2: Dynamic Pool Considerations
  - Lesson 3: Block storage provisioning
  - Lesson 4: File storage provisioning
  - Lesson 5: VMware datastore provisioning
  
- **Module 3: Storage Resource Access**
  - Lesson 1: Block storage access
  - Lesson 2: File storage access
  - Lesson 3: VMware datastore access
  
- **Module 4: Scalability and Performance**
  - Lesson 1: FAST Cache
  - Lesson 2: Host I/O Limits
  - Lesson 3: UFS64 File System extension and shrink
  
- **Module 5: Storage Efficiency**
  - Lesson 1: Data reduction
  - Lesson 2: FAST VP
  - Lesson 3: Thin Clones overview
  - Lesson 4: File system Quotas
  
- **Module 6: Data Mobility**
  - Lesson 1: Local LUN Move overview
  - Lesson 2: Local LUN Move configuration and operations
  - Lesson 3: Local NAS Server Mobility overview

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- Lesson 4: Local NAS Server Move operation
- Module 7: Data Protection with Snapshots
  - Lesson 1: Snapshots overview
  - Lesson 2: Managing Snapshots
  - Lesson 3: Using Snapshots
- Module 8: Data Protection with Replication
  - Lesson 1: Replication overview
  - Lesson 2: Managing replication
  - Lesson 3: Remote Replication operations

### 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.

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