

KOENIG SOLUTIONS • COURSE OUTLINE

Dell EMC Unity Implementation and Administration

Learn to implement, configure and administer Dell EMC Unity storage, from provisioning and data protection to performance troubleshooting.

4 Days

DURATION

15

MODULES

30

TOPICS

COURSE OVERVIEW

This course covers the Dell EMC Unity storage platform, its hardware and software components, and core storage concepts such as RAID and LUNs. It then addresses initial setup, system management, and storage provisioning, including thin provisioning and snapshots. Further topics include data mobility and migration, advanced features such as compression, deduplication and FAST VP, and data protection through replication and disaster recovery. The course concludes with performance monitoring, troubleshooting common issues, and a review of best practices and emerging storage trends.

WHO THIS COURSE IS FOR

Storage Administrators

Storage Engineers

Systems Administrators

Infrastructure Engineers

IT Support Engineers

LEARNING OBJECTIVES

- Describe the Dell EMC Unity storage platform and its components
- Explain core storage concepts such as RAID and LUNs
- Configure initial Unity hardware setup and system settings
- Provision storage resources including LUNs and file systems
- Apply thin provisioning and snapshots to storage resources
- Implement data migration, tiering and advanced features like FAST VP
- Configure replication for data protection and disaster recovery
- Analyse system performance and troubleshoot common Unity issues

Certification

Taking the Dell EMC Unity Implementation and Administration certification exam
Evaluating understanding and competency in Unity concepts
Discussing exam results and performance
Awarding the Dell EMC Unity Implementation and Administration Certification

COURSE SYLLABUS

15 Modules, 30 Topics

DAY 1

Introduction to Dell EMC Unity and Storage Fundamentals

1 day

01

Introduction to Dell EMC Unity

TOPICS

- Overview of Dell EMC Unity storage platform
- Understanding the benefits of Unity in modern IT environments

02

Storage Architecture and Components

TOPICS

- Exploring the hardware and software components of Unity
- Understanding the role of controllers, drives, and enclosures

03

Storage Concepts and Terminology

TOPICS

- Reviewing essential storage concepts (RAID, LUNs, etc.)
- Understanding terms related to Unity configuration and management

04

Initial Setup and Configuration

TOPICS

- Preparing the Unity hardware for deployment
- Performing initial configuration and setup steps

05

Unity System Management

TOPICS

- Navigating the Unity interface and management tools
- Configuring system settings, users, and roles

06

Storage Provisioning

TOPICS

- Creating storage resources like LUNs and file systems
- Understanding thin provisioning and snapshots

07

Data Mobility and Migration

TOPICS

- Moving data between storage resources and systems
- Performing data migrations and tiering

08

Advanced Storage Features

TOPICS

- Exploring advanced storage features like compression and deduplication
- Implementing FAST VP for automated data tiering

09

Data Protection and Replication

TOPICS

- Implementing data protection mechanisms like snapshots and clones
- Configuring replication for disaster recovery

DAY 4

Performance Optimization and Troubleshooting

1 day

10

Performance Monitoring and Optimization

TOPICS

- Monitoring system performance and identifying bottlenecks
- Implementing performance optimization strategies

11

Troubleshooting Common Issues

TOPICS

- Identifying and resolving common Unity-related issues
- Troubleshooting connectivity and performance problems

12

Best Practices and Future Trends

TOPICS

- Exploring best practices for Unity deployment and management
- Discussing future trends in storage technology

13

Course Review and Certification Preparation

TOPICS

- Reviewing key concepts covered in the course
- Preparing for the Dell EMC Unity Implementation and Administration Certification

14

Certification Exam

TOPICS

- Taking the Dell EMC Unity Implementation and Administration certification exam
- Evaluating understanding and competency in Unity concepts

15

Certification and Course Conclusion

TOPICS

- Discussing exam results and performance
- Awarding the Dell EMC Unity Implementation and Administration Certification

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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