

DELIVERY METHODS



ILT – Instructor-Led Classroom Training

ILT sessions are conducted in a physical classroom environment.



ILO – Instructor-Led Online Training

ILO sessions are conducted via WebEx in a VoIP environment



FLEX Classroom™ – Combined ILT & ILO

FLEX Classroom sessions are delivered via ILT and ILO giving you the ultimate flexibility.

PowerScale Administration (ISIAM)

ID EM-ISIAM Price US\$ 5,500 Duration 5 days

Course Overview

The PowerScale Administration course prepares students to perform Dell EMC PowerScale cluster and OneFS 9.0 implementation, configuration, and administration. Topics include and overview of hardware, the configuration and verification of basic and advanced networking, authentication, identity management and authorization, client and data access, data layout, and OneFS modules such as SmartPools, SnapshotIQ, SyncIQ, SmartDedup, and others. This training consists of 8 modules. The total time required to complete this course and the accompanying lab exercises is approximately 5 days.

This course is an update to the Isilon Administration and Management course.

Who should attend

This course is intended for Dell Technologies partner and customer personnel involved with the administration of PowerScale solutions.

Prerequisites

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must understand:

- PowerScale Concepts (Course ID:

ES131STG01028)

- PowerScale Implementation
- Networking fundamentals such as TCP/IP, DNS and routing

Course Objectives

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

- Understand the PowerScale cluster architecture
- Explain the building blocks of a PowerScale cluster and different types of access to the cluster
- Navigate the details of client and file access
- Configure OneFS features
- Utilize the tools to perform cluster monitoring

Detailed Course Outline

The content of this course is designed to support the course objectives. The following focus areas are included in this course:

[h4]

- Module 1 – NAS, PowerScale, and OneFS[h4]
 - NAS
 - PowerScale Hardware
 - OneFS Management Interfaces
 - Common Cluster Operations
 - OneFS Directory Structure

- Module 2 – Networking[h4]

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- Authentication Providers
 - Access Zones
 - Groupnets
 - Subnets – SmartConnect Zones
 - IP Address Pools
 - DataIQv1
 - InsightIQ
 - isi statistics
- Module 3 – Configuring Identity Management and Authorization[/h4]
 - Role-Based Access Control
 - User Identity Management
 - Authorization
 - Module 4 – Configuring Client Access to Data[/h4]
 - OneFS Caching
 - Configuring SMB Shares
 - Configuring NFS Exports
 - Configuring S3 Buckets
 - Module 5 – Foundations of Data Protection and Layout[/h4]
 - File Striping
 - Data Protection
 - Protection Management
 - Data Layout
 - Module 6 – Configuring Storage Pools[/h4]
 - Storage Pools
 - File Pools
 - SmartPools
 - CloudPools
 - Module 7 – Configuring Data Services[/h4]
 - File Filtering
 - SmartQuotas
 - Deduplication (SmartDedupe)
 - SnapshotIQ
 - SyncIQ
 - SmartLock
 - Module 8 – Monitoring Tools[/h4]
 - PowerScale HealthCheck