DELL TECHNOLOGIES POWERSCALE ADMINISTRATION

Course Code: 821600

Prepares students to implement, configure and administer the Dell Technologies PowerScale NAS Solution.

The PowerScale Administration course prepares students to implement, configure and administer the Dell Technologies PowerScale NAS Solution. Topics include an 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, SmartDedupe, 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

What You'll Learn

Upon successful completion of this course, participants should 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

Who Needs to 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

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VIRTUAL CLASSROOM LIVE	$7,150 CAD	5 Day

Virtual Classroom Live Outline

Module 1 – NAS, PowerScale, and OneFS

- NAS
- PowerScale Hardware
- OneFS Management Interfaces
- Common Cluster Operations
- OneFS Directory Structure

Module 2 – Networking

- Authentication Providers
- Access Zones
- Groupnets
- Subnets – SmartConnect Zones
- IP Address Pools

Module 3 – Configuring Identity Management and Authorization

- Role-Based Access Control
- User Identity Management
- Authorization

Module 4 – Configuring Client Access to Data

- OneFS Caching
- Configuring SMB Shares
- Configuring NFS Exports
- Configuring S3 Buckets

Module 5 – Foundations of Data Protection and Layout

- File Striping
- Data Protection

- Protection Management
- Data Layout

Module 6 – Configuring Storage Pools

- Storage Pools
- File Pools
- SmartPools
- CloudPools

Module 7 – Configuring Data Services

- File Filtering
- SmartQuotas
- Deduplication (SmartDedupe)
- SnapshotIQ
- SyncIQ
- SmartLock

Module 8 – Monitoring Tools

- PowerScale HealthCheck
- DataIQv1
- InsightIQ
- isi statistics

In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.

Jul 14 - 18, 2025 | 8:00 AM - 5:00 PM CDT

Aug 25 - 29, 2025 | 8:00 AM - 5:00 PM CDT

Sep 22 - 26, 2025 | 9:00 AM - 5:00 PM CDT

Oct 20 - 24, 2025 | 9:00 AM - 5:00 PM CDT

Nov 10 - 14, 2025 | 9:00 AM - 5:00 PM CST

Dec 8 - 12, 2025 | 9:00 AM - 5:00 PM CST

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