

PowerScale Advanced Administration – Features and Services

Course Description

Course Number

ESSTGS08430

Course Duration

3 Days

Product Version

PowerScale Gen 6x
and OneFS 9.0.0

Delivery Mode

Classroom | Virtual
Classroom

Overview

This course provides an experienced Dell PowerScale Administrator, advanced information about PowerScale cluster operations. The course provides the expertise necessary for an Administrator to consider and plan for future growth, and multiprotocol permissions, user mapping, and OneFS services like SmartQuotas, SnapshotIQ, and SyncIQ. It also provides advanced details about PowerScale disaster recovery and the expertise necessary for an administrator to consider and plan for disasters.

The second part, offered in a separate course (ESSTGS08431) focuses on advanced information on OneFS job engine, reporting, performance tuning, and monitoring of PowerScale Cluster.

Audience

This course is intended for all audiences.

Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable working knowledge of the following:

- Networking fundamentals such as TCP/IP, DNS and routing
- PowerScale hardware troubleshooting and maintenance procedures
- PowerScale Concepts Course
- PowerScale Administration Course

Course Objectives

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

- Identify and resolve networking and SmartConnect issues
- Understand multiprotocol permissions
- Discuss the data protection and disaster recovery features of OneFS

Course Outline

The content of this course is designed to support the course objectives. Practical experience is included throughout the [course|module|topic].

- Module 1 – ConceptsLesson
 - A Day in a Life of a Storage Administrator
 - Disaster Recovery IntroductionModule

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- PowerScale Disaster Resilience
- OneFS Domains
- Troubleshooting PowerScale ClusterL
- Module 2 – Advanced Access
 - Networking Architecture
 - Access Zones
 - SmartConnect Advanced and DNS
 - Authentication Providers
 - Protocols
- Module 3 – Advanced Authorization
 - Multiprotocol Permissions
 - User Mapping
- Module 4 – OneFS Services
 - SFSE – Small Files Storage Efficiencies
 - Migration
 - SmartQuotas Advanced
 - SnapshotIQ Advanced
 - SyncIQ Advanced
- Module 5 – Disaster Recovery
 - Data Protection and Disaster Recovery
 - SyncIQ DR
 - NDMP
 - Cloud and Virtual Storage StrategiesL
- Appendix

DELL Technologies

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Round Rock Texas 78682

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

Proven Professional Certification Information

Industry-recognized certifications designed to validate skills across modern technology domains and roles. For more information visit - [Dell Certifications | Career-Boosting IT and Tech Certifications | Dell Learning](#).

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