DELLTechnologies

Test Drive™ on Dell PowerStore

Course Description

As we enter the data era, major innovations to both data and technology provide the opportunity for businesses to transform into disruptive, digital powerhouses. Many organizations need to address data requirements while also simplifying IT operations to enable this transformation.

Dell PowerStore is a modern storage appliance, designed for the data era. In this Test Drive, we'll show you the capabilities and underlying technology of this new NVMe and All-Flash platform, including how it leverages storage-class memory, data protection, and file services. PowerStore was built from the ground up with many new architectural features that enable you to scale up, scale out, and run virtualized workloads right on the platform. You will also learn how PowerStore leverages containers for a versatile approach to providing services within the system, and what that means for future upgrades, both for features and hardware.

PowerStore brings with it an abundance of tools to provide simplified operations and migrations; this Test Drive demonstrates how to integrate them into your existing DevOps and virtualized infrastructures. Finally, in the lab, you will have an opportunity to explore PowerStore's features and management interfaces.

Prerequisites

- Familiarity with basic data center concepts including server, storage and networking technologies
- Familiarity with virtualized and software defined data center solutions

Who Should Attend

Customers who are seeking to modernize their storage infrastructure in all areas of the mid-range market and are interested in evaluating PowerStore.

Learning Objectives

- Describe PowerStore's features and benefits
- Understand PowerStore's hardware, storage, data, networking, and clustering architectures
- Understand how PowerStore scales to meet your applications' needs
- Describe PowerStore's operational efficiencies
- Understand PowerStore's integrations and migration capabilities

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Lessons

Module 1: Overview

- What is PowerStore?
- Features and Benefits
- Where PowerStore Fits in the Dell Storage Portfolio

Module 2: Architecture and Operational Efficiencies

- Architecture Overview
  - Hardware components –Models T & X
  - Storage Options
  - Data Path
  - Networking and SAN
  - Clustering
- Services and Containers
- Scaling PowerStore
- Security and D@RE
- Dedupe and Compression
- Management Interface, CLI & REST API
- Integrations - VMware

Module 3: Data Availability and File Services

- Discovery Utility
- Resource Rebalancing
- PowerStore Management Interface
- DevOps, APIs, and CLI overview

Module 4: Integrations, Migration and Security

- Licensing
- System Support and Service

Labs

- PowerStore - Administration and Management
- PowerStore Data Protection

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