



Ideas and Value for Companies

DELL POWERMAX FEATURES AND ADMINISTRATION (PMFA)

This course provided an introduction to PowerMax arrays. It included an overview of the architecture, configuration options, and management and administration options.



COURSE DURATION

2 days



AUDIENCE

This course is intended for Storage Architects and Administrators who wish to get an overview of the architecture of PowerMax arrays and the tools available for management and administration of the arrays.



PREREQUISITE KNOWLEDGE

To understand the content and successfully complete this course, a student must have an understanding of General knowledge of computer storage; Introductory knowledge of information technology

OBJECTIVES

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

- The PowerMax array models and configuration options
- Controlling and monitoring PowerMax arrays with Unisphere for PowerMax
- Managing PowerMax arrays with Solutions Enabler

CONTENTS

The content of this course is designed to support the course objectives.

Module 1: PowerMax Overview

- Introduction to PowerMax
 - a. Model Introduction
 - b. Common Features
 - c. PowerMax 2000 configurations
 - d. PowerMax 8000 configurations
 - e. Management
- PowerMax Software Packaging
 - a. PowerMax Essentials
 - b. PowerMax Pro
 - c. PowerMax zEssentials
 - d. PowerMax zPro
- Use cases
 - a. Data Reduction
 - b. Service Levels
 - c. Migration

Module 2: Manage and Monitor with Unisphere for PowerMax

- Overview and architecture
 - a. Unisphere for PowerMax functionality
 - b. Unisphere for PowerMax architecture
 - c. Deployment options
- Documentation and Installation
 - a. Documentation and software
 - b. System requirements for Unisphere for PowerMax
 - c. Installation considerations
 - d. Install Unisphere for PowerMax
- Unisphere for PowerMax Interface

- a. Launch the Unisphere for PowerMax interface
- b. Accessing Online help
- c. Navigate the Unisphere for PowerMax interface
- d. Demo: Unisphere for PowerMax interface
- Unisphere for PowerMax Administration
 - a. Perform security-related tasks
 - b. Configure alerts and thresholds
 - c. Create new user
 - d. Register arrays for performance data collection
 - e. Backup the performance database
 - f. Demo: Local Users and Roles
 - g. Demo: System Registration

Module 3: Implement Solutions Enabler

- Installation
 - a. Describe Solutions Enabler (SE)
 - b. Locate SE installation considerations and pre-requisites
 - c. Explain the steps to install Solutions Enabler
 - d. Outline SE post-installation tasks
 - 1. Install and manage licenses
 - 2. Discover PowerMax array(s)
 - 3. Set environment variables
 - e. Overview SE client/server installation
- Options and Environment Variables
 - a. Explain the purpose of the SYMAPI options file
 - b. Describe the intent of the daemon options file
 - c. Recall the need for SYMCLI environment variables

- d. Explain the application of the Symmetrix avoidance file (Symavoid)
- Gatekeeper Management
 - a. Explain the function of gatekeepers and their selection criteria
 - b. Describe gatekeeper selection file (gkselect) and avoidance file (gkavoid)
- Solutions Enabler Daemons
 - a. Describe the function of Solutions Enabler daemons
 - b. Identify the log files for commonly used daemons:
 1. Base daemon (storapid)
 2. Event daemon (storevntd)
 3. GNS daemon (storgnsd)
 4. RDF daemon (storrdfd)
- c. Explain the function of SYMAPI Server daemon (storsrvd)
- Solutions Enabler Virtual Appliance (vApp)
 - a. Describe the purpose of Solutions Enabler vApp
 - b. List the requirements for installing Solutions Enabler vApp
 - c. List tasks that can be performed using the Dell EMC vApp Manager for Solutions Enabler



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DISCOVER COURSE CATALOG

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