

PowerMax Family - Performance Workshop

OEM: Dell EMC • Code: ESSTGS07002



COURSE DESCRIPTION

This course familiarizes participants with the methodology of analyzing the performance of PowerMax arrays using Unisphere for PowerMax. The course also covers the metrics relevant for the analysis of front-end, back end, cache, and SRDF. Learners will be able to identify performance bottlenecks and provide recommendations to troubleshoot issues. Hands-on lab exercises are included to reinforce the concepts and methodology discussed in the lecture.

AUDIENCE PROFILE

- This course is intended for Dell Personnel, Partners, and Customers to assist in troubleshooting and managing the performance of PowerMax arrays.

PREREQUISITES

- PowerMax family architecture, configuration and components.
- Features such as service level based provisioning, SRDF, and TimeFinder SnapVX.
- Basic knowledge of Unisphere for PowerMax for management and monitoring of arrays.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Upon successful completion of this course, participants should be able to:
- Explain the components and functionality of PowerMax architecture.
- Identify and implement best practices to optimize the performance of PowerMax arrays.
- Monitor and analyze performance metrics for front-end, cache, and back-end components using Unisphere for Powermax.
- Analyze performance considerations for local and remote replication.
- Provide recommendations to conduct comprehensive end-to-end analysis of PowerMax arrays.

COURSE OUTLINE

Module 1: Course Outline

- Performance Architecture Overview
- Performance Analysis Overview
- Performance Analysis using Unisphere for PowerMax
- Performance Analysis of Front-End Directors
- Lab: Performance Monitoring Using Unisphere for PowerMax
- Performance Analysis of Cache Memory
- Performance Analysis of Back-End Directors
- TimeFinder SnapVX and SRDF Performance Considerations
- Lab: Roadmap Based Analysis
- Lab: Performance Analysis – Everyday Performance Check
- End-to-End Analysis
- Lab: Performance Analysis – Issues with Certain Applications
- Performance Troubleshooting Case Studies

DELIVERY NOTE

- The content of this course is designed to support the course objectives. Practical experience is included throughout the course.
- In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.