Symmetrix Performance Workshop
SPERET

Delivery Type: Classroom
Duration: 4 days

Overview:

In this course, you will learn to analyze the performance of a Symmetrix DMX array (through DMX-4) using ControlCenter Performance Manager version 6.0. Through extensive discussion of the Symmetrix DMX architecture, you will learn how data is processed by each component and which workload characteristics produce the highest levels of performance. You will learn how to effectively utilize the Symmetrix performance features when planning for new or migrated workloads. Features that make tiered storage possible will be covered. Using Performance Manager, you will view the effects of workload imbalance, over utilization, cache saturation, and data misalignment.

Although much of the class time is spent in lecture and discussion, several lab exercises using recorded performance archives are included. In these exercises, you will examine the archive to detect performance issues and make recommendations for improvement. You are encouraged to bring performance archives from your actual environment to analyze during the class

Pre-Requisites

Courses
- ✓ Symmetrix Foundations – Self Study (MR-5WP-SYMMFD)
- ✓ ControlCenter Management (MR-1CP-CCMGSP)

Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of basic Symmetrix DMX architecture and the use of ControlCenter Performance Manager. A list of specific prerequisite courses can be found in EMC Education Services Learning Management System

Objectives

- ✓ Relate knowledge of the Symmetrix architecture and I/O handling processes to their performance benefits
- ✓ Identify the performance impact different types of workloads have on Symmetrix architectural components

- ✓ Use key Performance Manager metrics to identify performance bottlenecks and over utilization
- ✓ Make performance-oriented recommendations when allocating new storage or migrating applications

Target Audience

This course is intended for anyone responsible for operating, maintaining, and optimizing the performance of a Symmetrix DMX storage environment.

Certification

Assessments validate that you have learned the knowledge or skills presented during a learning experience. This course includes in-class discussions and instructor review of labs