

S Oracle SPARC M7 Server System Administration Ed 1

Duration: 2 Days

What you will learn

The Oracle SPARC M7 Server System Administration course will provide system administrators with the knowledge and skills necessary to install and configure M7 servers, upgrade M7 server software and firmware, perform administration tasks and basic troubleshooting for the M7 servers and configure LDOMs.

This course covers the functions and features of the SPARC M7-8 and M7-16 servers. Students learn how to identify the SPARC M7-8 and M7-16 server components and architecture. This course discusses platform configuration and administration using ILOM, domain configuration, and logical domain configuration. In addition data collection and fault analysis is also reviewed.

Learn To: List the functions and features of the SPARC M7-8 and M7-16 Servers.

Identify their components and architecture.

Install and configure the M7 Servers.

Upgrade the firmware and software.

Perform administration tasks.

Configure LDOMs.

Perform basic troubleshooting of the M7 Servers.

Benefits to You

The M7-8 and M7-16 Servers are data center servers that were designed with the highest reliability and availability features. They have a high redundancy of components and perform numerous health checks. Students gain a better understanding of the system administration including installation and configuration, upgrading software and firmware, performing administration tasks, maintenance and troubleshooting.

Audience

Data Center Manager

Sales Consultants

Support Engineer

System Administrator

System Integrator

Related Training

Required Prerequisites

Basic understanding of Network concepts

Basic understanding of Solaris Administration

Some basic Server Management experience

Students should have knowledge and experience with SPARC Series M servers, ILOM, Solaris, network administration and virtualization

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Course Objectives

List the functions and features of the SPARC M7-8 and M7-16 Servers

Identify their components and architecture

Install and configure the M7 Servers

Upgrade the firmware and software

Perform administration tasks

Configure LDomS

Perform basic troubleshooting of the M7 Servers

Course Topics

Introduction

Main components that comprise the M7-8 and M7-16 servers

Comparison with previous products

Hardware features

Software features

M7-8 and M7-16 server descriptions

Functions and features of the M7-8 and M7-16 servers

RAS features of these Servers with comparison to previous products

Platform Configuration and Administration using ILOM

Differences between ILOM and the previous server's service processor

Functions of the SPs, SPPs, and SPMs

ILOM's key functions, features, and highlights

Compare the available physical network configurations

Changes in the ILOM CLI within the Simplified Data Mode (SDM)

Changes in the ILOM BUI within the Simplified Data Mode (SDM)

Dual SP behavior

Identify the chassis using ILOM

Domain Configuration

Characteristics of a physical domain

Locate the physical domains and Domain Configuration Units in the M7-8 and M7-16 systems

Allocate DCUs to a domain

Power on a domain

Explain the structure of the Open Boot PROM (OBP) device tree

Logical Domain Configuration

Define LDomS

Describe logical domain planning considerations

Create LDomS

Add resources to LDomS

Dynamically change LDomS

Delete LDomS

Monitor LDomS

Data Collection and Fault Analysis

Diagnose faults

Diagnostic tools used for troubleshooting

Check for faults

View and interpret log files and system messages

Manage the event and audit logs

Configure POST

Interpret system LEDs

Monitor the server