

SPARC M-series Administration (D68822)

ID D68822 Preis 3.220,- € (exkl. MwSt.) Dauer 4 Tage

Kursüberblick

Benefits of taking this course include being able to compare and contrast the key features of the SPARC M-series servers as well as their architectural features. In addition, you will be able to configure the service processor. This training solution includes hands-on management of the M-series server platform environment. It also includes configuration and administration of domains.

You will also learn and practice dynamically reconfiguring the domains that you create in the lab environment. The course concludes with learning how to troubleshoot the M-series servers by viewing and monitoring logs. By the end of this course, attendees should be comfortable with installing, configuring, and administrating the M-series servers.

Learn to:

- Compare and contrast the key features of the SPARC M-series servers
- Configure the service processor and manage the platform of the M-series servers
- Configure domains on the M-series servers, both statically and dynamically
- Troubleshoot the M-series servers

Zielgruppe

- Support Engineer
- Technical Consultant
- Technical Administrator

Voraussetzungen

Suggested Prerequisites:

- Solaris System Administration
- Network Administration

- Basic Server Knowledge

Kursziele

- Configure the service processor of the M-series servers
- List the architectural features of the M-series servers
- Configure the service processor of the M-series servers
- Manage the M-series server platform environment
- Configure domains on the M-series servers
- Manage Dynamic Reconfiguration (DR) on the M-series servers
- View and monitor logs on the M-series servers

Kursinhalt

- Introducing the SPARC M-Series Servers
- Introducing the SPARC Enterprise Architecture
- Configuring the service processor
- Administering and Configuring the Platform
- Administering and Configuring the Domains
- Reconfiguring Domains Dynamically
- Collecting Data for Fault Analysis

Detaillierter Kursinhalt

Introducing the SPARC M-Series Servers

- Comparing and contrasting the SPARC M-series server models
- Differentiating hardware features of the Sun SPARC Enterprise M3000 entry-level server
- Differentiating hardware features across the Sun SPARC Enterprise M-series mid-range server product line
- Differentiating hardware features across the Sun SPARC Enterprise M-series high-end server product line

Introducing the SPARC Enterprise Architecture

- Comparing and contrasting the Jupiter bus interconnect with previous product lines
- Documenting the architectural similarities and differences across the M-series server product line
- Classifying and labeling architectural components across the entire M-series server product line
- Differentiating between uni-mode XSBs and quad-mode XSBs
- Identifying the terms used in nomenclature in the M-series server line

Configuring the service processor

- Documenting the functions of the service processor
- Comparing and contrasting the differences between the service processors of the entry-level, mid-range, and high-end servers
- Listing the features of the External Administration Network, Domain to Service Processor Communication Protocol Network, and the Internal Service Network
- Comparing the available physical network configurations
- Performing an initial configuration of the service processor
- Upgrading the service processor firmware

Administering and Configuring the Platform

- Managing user accounts
- Configuring the service processor to make use of the Lightweight Directory Access Protocol (LDAP)
- Configuring the Domain Name System (DNS)
- Configuring the Simple Network Management Protocol (SNMP)
- Viewing the platform environment
- Viewing hardware configurations
- Managing Capacity on Demand (COD)
- Using the XSCF Web

Administering and Configuring the Domains

- Documenting the characteristics of a domain
- Choosing between Uni-mode or Quad-mode for a Physical System Board (PSB) set
- Modifying the Domain Component List (DCL)

- Allocating Extended System Boards (XSBs) to a domain
- Powering on a domain
- Documenting the structure of the OpenBoot PROM (OBP) device tree for the M-series servers
- Accessing domain information using standard Oracle Solaris OS utilities

Reconfiguring Domains Dynamically

- Documenting the purpose and benefits of Dynamic Reconfiguration (DR)
- Analyzing the locations from which DR can be performed
- Discussing the concepts of DR in preparation for attaching and detaching XSBs
- Describing I/O restrictions and concerns in regards to DR
- Describing memory restrictions and concerns in regards to DR
- Describing CPU restrictions and concerns in regards to DR
- Describing Extended System Board (XSB) considerations and directives
- Performing DR using the Service Processor to add or remove an XSB from a domain

Collecting Data for Fault Analysis

- Configuring log archiving for the service processor
- Collecting log data for the service processor
- Configuring auditing for the service processor
- Collecting audit data for the service processor
- Collecting log and audit data using the snapshot command
- Viewing logs and collecting fault data from the service processor
- Listing current FRU replacement guidelines
- Using Sun Explorer scripts to gather domain information