

Oracle VM Server for SPARC: Installation and Configuration

Duration: 2 Days

What you will learn

The Oracle VM Server for SPARC: Installation and Configuration course teaches you to effectively implement the infrastructure for cloud computing using a SPARC-based virtualization strategy. Learn through classroom instruction and hands-on exercises, which reinforce new concepts.

Learn To:

Properly design, install, implement and administer this virtual environment.

Create and assign resources to domains where business applications are deployed.

Use the migration feature, which increases availability and adds flexibility to the data center virtual environment.

Allocate System Resources

Oracle VM Server for SPARC allows for the allocation of system resources to individual virtual machines, called domains. This creates a completely virtualized environment, which provides greater consolidation and use of resources.

Audience

Support Engineer

System Administrator

System Integrator

Technical Administrator

Technical Consultant

Related Training

Required Prerequisites

Administer Ethernet networks

Administer an Oracle Solaris OS

Perform basic server initial setup tasks

Suggested Prerequisites

Oracle Solaris 11 System Administration Ed 5

Some knowledge of virtualization concepts

Course Objectives

Install the Oracle VM Server for SPARC software

Configure the control and service domain

Create a guest domain

Reconfigure Oracle VM Server for SPARC resources

Use virtual disks

Use virtual networks

Manage Oracle VM Server for SPARC configurations

Prepare for and perform migration operations

Plan an Oracle VM Server for SPARC installation

Course Topics

Introduction to Oracle VM Server for SPARC

What is Oracle VM Server for SPARC?

Oracle's Virtualization Strategy

Oracle VM Server for SPARC Architecture

Oracle VM Server for SPARC Benefits

Planning and Installing the Logical Domains Software

Planning for Oracle VM Server for SPARC

Working with SPARC T-Series Servers

CPU and Memory Sizing Guidelines

Upgrading System Firmware

Upgrading Oracle VM Server for SPARC Software

The Idm Command

Configuring the Control and Service Domain

Typical Basic Configurations

Virtualized Devices and Virtual Services

Control Domain Resource Allocation

Logical Domains Configurations

Creating Guest Domains

Creating a Guest Domain

Binding and Starting a Guest Domain

Installing Oracle Solaris in a Guest Domain

Verifying a Guest Domain Configuration

Accessing a Guest Domain's Console

Performing Logical Domains Administration

Dynamic Reconfiguration of Logical Domain Resources

Core Affinity

- Using Virtual Disks
- Virtual Disk Back End Options
- Provisioning New Domains with ZFS Snapshots and Clones
- Using Virtual Networks
- VLAN Support for Virtual Networks
- Link Aggregation and Jumbo Frames for Virtual Networks

Migrating Logical Domains

- Migration Requirements and Restrictions
- Migration Types
- Migration Phases
- Migration Dry Run
- Live Migration
- Cross-CPU Live Migration
- Cold Migration
- Non-Interactive Migration