

## Oracle VM Server for SPARC Administration

### Course Summary

#### Description

This course teaches the student how to plan, configure, and administer Oracle VM Server (formerly called Logical Domains) in the Solaris 10 environment using the Oracle Solaris Logical Domains Manager software. Students will gain hands on experience managing an Oracle VM server on a SPARC T-class server.

#### Objectives

At the end of this course, students will be able to:

- Plan, install and configure an Oracle VM Server on a SPARC server
- Install the Oracle VM Server software
- Configure the control and service domain
- Create a guest domain
- Reconfigure Oracle VM Server resources
- Use virtual disks
- Use virtual networks
- Manage Oracle VM Server configurations
- Perform a warm migration: Migrate an active guest domain
- Perform a cold migration: Migrate a bound or inactive guest domain

#### Topics

- Oracle VM Server Fundamentals
- Install Oracle VM Server Software
- Setup the Services and the Control Domain
- Setup a Guest Domain
- Administer Oracle VM Server
- Managing Oracle VM Server Configurations

#### Audience

This course is designed for experienced Solaris System Administrators.

#### Prerequisites

Students should have 6 months of Solaris system administration experience.

#### Duration

Two days

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### Course Outline

- I. Oracle VM Server Fundamentals**
  - A. Introduction to Oracle VM Server for the SPARC platform
  - B. Oracle VM Server Architecture
  - C. Oracle VM Server Planning
- II. Install Oracle VM Server Software**
  - A. Verify the Oracle Solaris OS requirements
  - B. Verify the SPARC System Firmware
  - C. Install the Logical Domains Manager Software Packages
  - D. Describe the Logical Domains Manager and the Idm Command
- III. Setup the Services and the Control Domain**
  - A. Perform Resource management
  - B. Add Virtual Services
  - C. Saving the Configuration to the System Controller
  - D. Verifying the Configuration is Ready to be Used at the Next Reboot
  - E. Rebooting the Control Domain
  - F. Enabling the network between domains
  - G. Enabling the virtual network terminal server daemon
- IV. Setup a Guest Domain**
  - A. Create and Start a Guest Domain
  - B. Installing the Oracle Solaris OS on a Guest Domain
  - C. Verifying a Guest Domain Configuration
- V. Administer Oracle VM Server**
  - A. Reconfiguring Oracle VM Server Resources
  - B. Using Virtual Disks
  - C. Using Virtual Networks
  - D. Managing Oracle VM Server Configurations
- VI. Managing Oracle VM Server Configurations**
  - A. Save / Resotre Domain Configurations
  - B. Migrate a Domain from One Host Machine to Another