

Oracle Solaris 11 Advanced System Administration Ed 4

Duration: 5 Days

What you will learn

This Oracle Solaris 11 Advanced System Administration training provides an intensive hands-on experience on Oracle Solaris 11.2 operating system. Learn complex and integrated administration concepts through a combination of lessons and hands-on exercises that will reinforce your learning. This is an advanced course which dives into the details of configuring and administering an Oracle Solaris 11 system.

Please Note: This is an Advanced Course Students without Oracle Solaris 11 system administration experience should take the Oracle Solaris 11 System Administration course first to ensure an effective knowledge of Oracle Solaris 11 system administration before attempting to take this advanced course. Those with Oracle Solaris 10 experience should take the Transition to Oracle Solaris 11 course as it builds on your Oracle Solaris 10 knowledge and provides training more tailored to your background.

Learn To:

- Manage Services and Service Properties Using SMF.
- Manage Boot Environments and System Updates.
- Back Up and Restore Data Using ZFS.
- Configure Network and Network High Availability
- Administer Network Services.
- Configure Privileges and Role Based Access Control.
- Manage Processes and Priorities.
- Install Oracle Solaris 11 OS on Multiple Hosts
- Implement System Messaging And Diagnostic Facilities.

Benefits to You

Gain a better understanding of the Oracle Solaris 11.2 system administration features and new OS enhancements, which will allow you to run your most demanding enterprise applications in private, hybrid, or public clouds.

Develop Oracle Solaris 11.2 OS Expertise

This course builds on the system administration skills taught in the Oracle Solaris 11.2 System Administration course. You'll work with expert Oracle University instructors to develop a deep understanding of Oracle Solaris 11.2 OS that you can leverage in your day-to-day job.

Data Center Manager
Network Administrator
Support Engineer

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System Administrator

Related Training

Required Prerequisites

One year experience as an associate Oracle Solaris 11 system administrator.

Suggested Prerequisites

Basic knowledge of Oracle Solaris 11 system administration

Course Objectives

Manage Services and Service Properties Using SMF

Administer Network Services

Manage Boot Environments and Upgrade OS by Using IPS

Manage Data Back Up and Restore by Using ZFS

Implement EVS and Network High Availability

Advanced Administration of Zones

Securing Users and Processes

Manage Processes and Priorities

Install Oracle Solaris 11 OS on Multiple Hosts

Implement System Messaging And Diagnostic Facilities

Course Topics

Course Introduction

Overview

Course Goals

Course Agenda

Introductions

Your Learning Center

Your Lab Environment

Managing Services and Service Properties Using SMF

Introducing the Advanced Features of SMF

Configuring SMF Services

Troubleshooting SMF Services

Managing boot environment and system updates

Configuring a Local IPS Package Repository

Managing Boot Environments

Updating the OS by Using IPS

Managing Data Back Up and Restore by Using ZFS

Planning for Data Storage Configuration and Backup

Managing Data Redundancy with Mirrored Storage Pools

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Administering data Back Up and Restore by using ZFS Snapshots
Managing Data Storage Space with ZFS File System Properties
Troubleshooting ZFS Failures

Implementing EVS and Network High Availability

Creating Virtual Network by Using EVS
Configuring Link Aggregation for High Performance
Configuring IPMP for IP High Availability
Configuring ILB to Implement Load Balancing
Configuring VRRP for Router Failure

Administering Network Services

Configuring the Network File System
Configuring a DNS Client
Configuring an LDAP Client

Advanced Administration of Zones

Managing System Resources in a Zone
Configuring Kernel Zones
Working with Unified Archives

Securing Users and Processes

Introducing Privileges, Rights, and Roles
Managing Privileges
Managing User Rights

Managing Processes and Priorities

Implementing Process Execution in an Appropriate Scheduling Class
Managing Process Scheduling Priority
Configuring the Fair Share Scheduler
Managing the Scheduling Class of Zones

Installing Oracle Solaris 11 on Multiple hosts

Introducing the Automated Installer
Configuring the AI Install Server
Configuring the AI Clients
Building an Oracle Solaris 11 image

Implementing System Messaging And Diagnostic Facilities

Managing System Logs
Configuring System Messaging
Configuring System Crash Facilities
Configuring Dump Facilities for Business Application Failure

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