Oracle Solaris 11 Advanced System Administration NEW

Duration: 5 Days

What you will learn

This Oracle Solaris 11 Advanced System Administration training provides an intensive hands-on experience. Expert Oracle University instructors will teach you complex and integrated administration concepts through a combination of lessons and hands-on exercises to reinforce your learning.

Learn To:

Install Oracle Solaris 11 using the Automated Installer (AI).
Use the Image Packaging System (IPS) for package management.
Configure zones and virtual networks.
Configure IP multipathing.
Secure the system through the use of privileges and auditing.
Manage processes and evaluate system resources.
Discover tools needed to effectively and efficiently troubleshoot software failures.

Benefits to You

Better understand the latest information on security, performance and scalability enhancements which allow customers to run their most demanding enterprise applications in private, hybrid or public clouds. This course builds on the system administration skills taught in the Oracle Solaris 11 System Administration course. You'll work with expert Oracle University instructors to develop a deep understanding of Oracle Solaris 11 that you can leverage in your day-to-day job

Please Note: This is an Advanced Course

This is an advanced course that dives into the details of configuring and administering an Oracle Solaris 11 system. If you don't have Oracle Solaris 11 system administration experience, we recommend that you take the Oracle Solaris 11 System Administration course first. If you have Oracle Solaris 10 experience, we recommend that you take the Transition to Oracle Solaris 11 course first, as it builds on your Oracle Solaris 10 knowledge and provides training that's more tailored to your background.

Audience

Data Center Manager
Network Administrator
Support Engineer
System Administrator

Copyright © 2013, Oracle. All rights reserved.

Related Training

Required Prerequisites

Oracle Solaris 11 System Administration course or one year experience as an associate system administrator

Oracle Solaris 11 System Administration NEW

Suggested Prerequisites
Experience with Oracle Solaris Zones

Knowledge of the ZFS file system

Course Objectives

Installing Oracle Solaris 11 OS on Multiple Hosts

Managing the Image Packaging System (IPS) and Packages

Managing the Business Application Data

Configuring Network and Traffic Failover

Configuring Zones and the Virtual Network

Managing Services and Service Properties

Configuring Privileges and Role-Based Access Control

Securing System Resources using Solaris Auditing

Managing Processes and Priorities

Evaluating the System Resources

Monitoring and Troubleshooting Software Failures

Course Topics

Managing the Image Packaging System (IPS) and Packages
Implement a plan for Image Packaging System and packages management
Configure a local IPS package repository
Configure network client access to a local IPS server
Manage signed packages and package properties
Manage package publishers
Manage multiple boot environments

Installing Oracle Solaris 11 OS on Multiple Hosts
Implement a plan a for an Oracle Solaris 11 operating system installation using the Automated Installer
Install the Oracle Solaris 11 operating system using the Automated Installer

Copyright © 2013, Oracle. All rights reserved.

Verify an Oracle Solaris 11 operating system installation
Build an Oracle Solaris image using the distribution constructor

Managing the Business Application Data
Implement a plan for data storage configuration and backup
Manage data redundancy with a mirrored storage pool
Configure data backup and restore by using ZFS snapshots
Managing data storage space by using ZFS file system properties
Troubleshoot ZFS issues

Configuring Network and Traffic Failover
Implement a plan for network and traffic failover configuration
Configure systems on a local network
Configure reactive network
Configure Network File System (NFS)
Configure link aggregation
Configure an IPMP group
Maintain an IPMP group
Implement link failover using IPMP

Configuring Zones and the Virtual Network
Implement a plan to configure Oracle Solaris zones with a virtual network
Create a virtual network
Configure Oracle Solaris zones to use VNICs
Allocate resources to an Oracle Solaris zone
Manage virtual network resources

Managing Services and Service Properties
Implement a plan to configure services
Configure SMF services
Recover a service from a snapshot
Troubleshoot SMF services

Configuring Privileges and Role Based Access Control
Implement a plan to configure privileges
Implement a plan to configure Role-Based Access Control
Examine the process privileges
Manage privileges
Configure Role-Based Access Control
Use Role-Based Access Control

Securing System Resources using Solaris Auditing
Implement a plan for Oracle Solaris auditing
Configure Oracle Solaris auditing
Administer the audit service
Manage audit records

Managing Processes and Priorities
Implement a plan for executing a process in an appropriate scheduling class
Manage process scheduling priority
Manage the scheduling class of zones
Configure the Fair Share Scheduler

Copyright © 2013, Oracle. All rights reserved.

Monitor the Fair Share Scheduler

Evaluating the System Resources

Implement a plan to evaluate resource allocation and system performance
Configure system resources
Monitor system performance

Monitoring and Troubleshooting System Failures

Implement a plan for system messaging and diagnostic facilities implementation
Configure system messaging
Configure system crash facilities
Configure dump facilities for business application failure

Copyright © 2013, Oracle. All rights reserved.