

System Administration for the Oracle Solaris 10 OS Part 2

Duration: 5 Days

What you will learn

This System Administration for the Oracle Solaris 10 OS, Part 2 course helps you gain expertise in the advanced system administration concepts of Oracle Solaris 10. You'll get hands-on experience working with more complex and integrated administration concepts, while building upon the System Administration for the Oracle Solaris 10 Part 1 course.

Learn To:

Work with swap, NFS, RAID, RBAC.

Configure DNS and LDAP clients.

Configure zones.

Execute JumpStart server routines.

Perform live upgrade.

Perform expert-level system administration, operation and maintenance.

Benefits To You:

Enable your organization's platforms to work with greater efficiency with the Oracle Solaris 10 Operating System.

Benefit from instruction on key features and capabilities which will enable you to perform file and directory management, control the user work environment, archive files and use remote commands.

Prepare for Certification

This course also helps you prepare for Part 2 of the Oracle Solaris 10 System Administrator Certified Professional exam. Please note that the hands-on labs offered may involve accessing equipment that resides at a location other than where the training is delivered.

Audience

System Administrator

Related Training

Required Prerequisites

Manage files and directories

Use remote commands

Archive files

Control the user work environment

Suggested Prerequisites

Install software

Manage file systems

Perform system boot procedures

Perform user and security administration

Course Objectives

Manage swap configurations

Manage core dumps

Configure NFS and AutoFS

Describe RAID

Work with ZFS

Control access and configure system messaging

Configure role-based access control (RBAC)

Set up name services

Work with Zones

Describe LDAP

Perform Live Upgrade and Jumpstart installation

Course Topics

Managing Swap Space, Core Files and Crash Dumps

Configuring swap space

Managing crash dump behavior

Managing core file behavior

Configuring NFS

Benefits of NFS

Fundamentals of the NFS distributed file system

Managing an NFS server

Managing an NFS client

Enabling the NFS server logging

Troubleshooting NFS errors

Configuring AutoFS

AutoFS file system fundamentals
Automount maps

Describing RAID

Describing RAID concepts

Configuring Solaris Volume Manager Software

Solaris Volume Manager software concepts
Building a RAID-0 (concatenated) volume
Building a RAID-1 (mirror) volume for the root (/) file system

Configuring Role-Based Access Control (RBAC)

RBAC fundamentals
Component interaction within RBAC
Managing RBAC

Configuring System Messaging

Fundamentals of the syslog function
Configuring the /etc/syslog.conf file
Configuring syslog messaging
Using Solaris Management Console log viewer

Using Name Services

Name services concept
Name service switch file /etc/nsswitch.conf
Describing name service cache daemon (nscd)
Getting name service information

Configuring Name Service Clients

Configuring a DNS client
Configuring an LDAP client

Introduction to Zones

Identifying Zone Features
Describing how and why zone partitioning is used
Configuring zones
Installing, booting, moving, migrating, and deleting zones
Administering packages with zones
Ix Branded Zones

Introduction to LDAP

LDAP as a naming service
Basic LDAP concepts and terminology
Directory Server Enterprise Edition requirements
Solaris LDAP Client requirements

Configuring JumpStart Installation Using the Oracle Solaris 10

Describing JumpStart configurations
Implementing a basic JumpStart server for SPARC® and x86/x64 clients
Describing booting x86/x64 systems using the Preboot Execution Environment (PXE)
DHCP server setup to support x86/x64 JumpStart clients

JumpStart software configuration alternatives setup

JumpStart to create a ZFS mirrored root pool

Troubleshooting JumpStart configurations

Performing Live Upgrade Using the Oracle Solaris 10 Operating System

Benefits of using Live Upgrade

Solaris Live Upgrade process

Solaris Live Upgrade requirements

Solaris Live Upgrade commands

Creating an alternate boot environment cloned from a running system

Creating differential flash archive in a Live Upgrade boot environment

Modifying the state of the new boot environment

Use Live Upgrade to patch a system