



System Administration for the Oracle Solaris 10 part 2

Course Description

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.

Duration

5 days

Audience

- System Administrator

Prerequisites

- System Administration for the Oracle Solaris 10 OS Part 1

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.config file
- Configuring the 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 delaying 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
- 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
- Scheduling Use Live Upgrade to patch a system