

Oracle Solaris 10 System Administrator - Part 2 (SCSA)

The Oracle Solaris 10 System Administrator Part 2 course provides students with the skills necessary to administer Sun systems running Solaris 10 in a network environment. Learners will gain the knowledge necessary to maintain, configure and troubleshoot the Network File System (NFS); Setup custom Jumpstart environment; configure the Network Information Service (NIS) environment and manage Solaris Zones.

Attractive group rates available – Inquire for more details

Duration: 30 hours

Objective

This course prepares students for the Oracle Solaris 10 System Administrator, Certified Professional Exam 2 (CX-310-202).

Audience

Prior to enrolling in Oracle Solaris 10 System Administrator Part 2, learners should have experience in installing the Solaris Operating Environment on a stand-alone system including update patches, understanding and performing booting and shutdown procedures and options, logging into a UNIX system and changing passwords, adding users, and setting up file permissions, making directories, setting up partitions, and managing files, and using the Solaris device naming conventions to configure and name devices. They should have a good understanding of Solaris file systems.

Prerequisites

- Learners should have successfully completed Oracle Solaris 10 System Administrator Part 1 prior to enrolling in Oracle Solaris 10 System Administrator Part 2.

Course Content

Section 1: Manage Virtual File Systems and Core Dumps

- Virtual memory concepts and given a scenario, configure, and manage swap space.
- Manage crash dumps and core file behaviors.
- NFS fundamentals, and configure and manage the NFS server and client including daemons, files, and commands.
- Troubleshoot various NFS errors.
- Manage AutoFS and use automount maps (master, direct, and indirect) to configure automounting.

Section 2: Manage Storage Volumes

- Analyze and explain RAID (0,1,5) and SVM concepts (logical volumes, soft partitions, state databases, hot spares, and hot spare pools).

- Create the state database, build a mirror, and unmirror the root file system.

Section 3: Control Access and Configure System Messaging

- Configure role-based access control (RBAC) including assigning rights profiles, roles, and authorizations to users.
- Analyze RBAC configuration file summaries and manage RBAC using the command line.
- Syslog function fundamentals, and configure and manage the /etc/syslog.conf file and syslog messaging.

Section 4: Naming Services

- Naming services (DNS, NIS, NIS+, and LDAP) and the naming service switch file (database sources, status codes, and actions)
- Configure, stop and start the Name Service Cache Daemon (nscd) and retrieve naming service information using the getent command.
- Configure naming service clients during install, configure the DNS client, and set up the LDAP client (client authentication, client profiles, proxy accounts, and LDAP configurations) after installation.

Section 5: Managing Solaris Zones

- Consolidation issues, features of Solaris zones, and decipher between the different zone concepts including zone types, daemons, networking, command scope, and given a scenario, create a Solaris zone.
- Given a zone configuration scenario, identify zone components and zonecfg resource parameters, allocate file system space, use the zonecfg command, describe the interactive configuration of a zone, and view the zone configuration file.
- Use the zoneadm command to view, install, boot, halt, reboot, and delete a zone.

Section 6: Managing LDAP, Jumpstart, and Live Upgrade

- Custom Jumpstart configuration including the boot, identification, configuration, and installation services.
- Configure a Jumpstart including implementing a Jumpstart server, editing the sysidcfg, rules and profile files, and establishing Jumpstart software alternatives (setup, establishing alternatives, troubleshooting, and resolving problems).
- Flash, create and manipulate the Flash archive and use it for installation.
- Given a PXE installation scenario, identify requirements and install methods, configure both the install and DHCP server, and boot the x86 client.
- Configure a WAN Boot Installation and perform a Live Upgrade Installation.