

System Administration for the Solaris 10 Operating System Part 2 (SA-202-S10)

Prerequisites To succeed fully in this course, students should be able to:

- Manage files and directories
- Control the user work environment
- Archive files
- Use remote commands
- Manage file systems
- Install software
- Perform system boot procedures
- Perform user and security administration
- Manage network printers and system processes
- Perform system backups and restores

Content Describing Interface Configuration

- Control and monitor network interfaces
- Configure Internet Protocol Version 4 (IPv4) interfaces at boot time

Describing the Client-Server Model

- Describe client-server processes
- Start server processes

Introducing Sun Connection Services

- Describe signed packages and patches
- Introduce Sun Connection
- Describe Sun Connection modes
- Using Update Manager
- Installing updates with Update Manager
- Administering patches from the command line

Managing Swap Configuration

- Describe virtual memory
- Configure swap space

Managing Crash Dumps and Core Files

- Manage crash dump behavior
- Manage core file behavior

Configuring NFS

- Describe the benefits of NFS
- Describe the fundamentals of the NFS distributed file system
- Manage an NFS server
- Manage an NFS client
- Enable the NFS server logging
- Manage NFS with the Solaris Management Console storage folder tools
- Troubleshoot NFS errors

Configuring AutoFS

- Describe the fundamentals of the AutoFS file system
- Use automount maps

Describing RAID and the Solaris Volume Manager Software

- Describe RAID
- Describe Solaris Volume Manager software concepts

Configuring Solaris Volume Manager Software

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

Configuring Role-Based Access Control (RBAC)

- Describe RBAC fundamentals
- Describe component interaction within RBAC
- Manage RBAC by using the Solaris Management Console
- Manage RBAC by using the command line

Configuring System Messaging

- Describe the fundamentals of the syslog function
- Configure the /etc/syslog.conf file
- Configure syslog messaging
- Use the Solaris Management Console log viewer

Using Name Services

- Describe the name service concept

- Describe the name service switch file /etc/nsswitch.conf
- Describe the name service cache daemon (nscd)
- Get name service information

Configuring Name Service Clients

- Configure a DNS client
- Configure an LDAP client

Configuring the Network Information Service (NIS)

- Describe NIS fundamentals
- Configure the name service switch file
- Describe NIS security
- Configure an NIS domain
- Build custom NIS maps
- Troubleshoot NIS

Introduction to Zones

- Identify the different zones features
- Understand how and why zone partitioning is used
- Configure zones
- Install zones
- Boot zones

Introduction to the ZFS File System

- Describe ZFS and its related terms
- Understand components of a storage pool
- Create and destroy storage pools
- Query storage pool status
- Create and destroy ZFS file systems
- Manage ZFS properties
- Mount and unmount ZFS file systems
- Work with snapshots and clones
- Use ZFS datasets with Solaris zones