

Solaris[tm] System Administration for Experienced UNIX® Administrators(STS – 276)

Course Description

The Solaris[tm] System Administration for Experienced UNIX® Administrators course provides a platform for experienced UNIX administrators to migrate from one of many UNIX platforms to the Solaris[tm] Operating Environment (Solaris OE). This course teaches intermediate to advanced system administration skills using the Solaris Operating Environment (Solaris OE). Solaris System Administration for Experienced UNIX Administrators includes lab exercises that allow students to install and maintain the Solaris OE, perform storage management, manage users, and perform network management.

Who Can Benefit

Advanced UNIX system administrators.

Prerequisites

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

- Have a minimum of 12 months of system administration experience with a UNIX operating environment
- Manage local disk devices in a UNIX operating environment
- Perform package and patch administration in a UNIX operating environment
- Perform user administration in a UNIX operating environment
- Perform file system backups and restores in a UNIX operating environment

Skills Gained

Upon completion of this course, you should be able to:

- Perform an interactive installation
- Perform patch and package administration
- Boot the Solaris OE
- Manage local disk devices
- Manage swap configuration and system dumps in the Solaris OE
- Perform backups with a UNIX File System (UFS) snapshot
- Perform user administration in the Solaris OE
- Configure printer services
- Configure NFS and AutoFS
- Configure custom JumpStart[tm] software

Related Courses

After: SA-399: Network Administration for the Solaris[tm] 9 Operating Environment

Course Schedule

15th to 19th March 2004
10th to 14th May 2004

Module 1 – Introducing to Solaris OE

- Describe the main components of the Solaris OE
- Describe the main components of the SunOS[tm] software
- Identify the shells available in the Solaris OE

Module 2 - Performing an Interactive Installation

- Describe the software structure of the Solaris OE
- Install the Solaris OE interactively

Module 3 - Performing Package Administration

- Identify the packages installed on a system
- Display information for a package
- Add a package to the system
- Use a spool directory to add packages to a system
- Remove a package from the system

Module 4 - Performing Patch Administration

- Check the status of current patches
- Access patches from the web
- Install a patch
- Remove a patch

Module 5 - Executing Boot PROM Commands

- Describe boot programmable read-only memory (PROM)
- List the basic boot PROM commands
- Use probe commands
- Describe nonvolatile random access memory (NVRAM)
- Create custom device aliases
- Use the eeprom command to change NVRAM parameters

Module 6 - Booting the Solaris OE System

- Describe the fundamentals of run levels
- Identify the phases in the boot process
- Control the boot process
- Perform the procedures for system shutdown

Module 7 - Managing Local Disk Devices

- Manage a disk
- List the devices in a system
- Modify the size of a disk slice
- Locate and view the volume table of contents (VTOC)
- Create a file system
- Mount a file system

REGISTRATION AND INFORMATION

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Module 8 - Configuring the Solaris[tm] Volume Manager Software

- Describe state database replicas
- Build a mirror of the / (root) file system
- Remove a mirror of the / (root) file system

Module 9 - Managing Swap Configuration

- Describe virtual memory
- Describe the swapfs file system
- Manage swap space

Module 10 - Using the Solaris Management Console

Describe system dumps in the Solaris OE

- Manage crash dumps in the Solaris OE
- Manage core dumps in the Solaris OE

Module 11 - Performing Administration in the Solaris OE

- Back up file systems
- Restore file systems
- Schedule backups
- Perform remote backups
- Control a tape drive

Module 12 - Performing Backups With a UFS Snapshot

- Create a UNIX file system (UFS) snapshot
- Make a backup of a UFS snapshot
- Restore a UFS snapshot

Module 13 - Using the Solaris Management Console

List the components of Solaris[tm] Management Console (Solaris MC)

- Use the Process tool of Solaris MC
- Use the Scheduled Jobs tool of the Solaris MC

Module 14 - Performing User Administration in the Solaris OE

- Describe user administration
- Manage user accounts by using Solaris MC
- Manage user accounts by using the command-line interface (CLI)

Module 15 - Configuring RBAC in the Solaris OE

- Describe the fundamentals of role-based access control (RBAC)
- Manage RBAC by using the Solaris MC
- Manage RBAC by using the CLI

Module 16 - Configuring Printer Services

- Configure printer services
- Administer printer services
- Start and stop the line printer (LP) print service

Module 17 - Configuring NFS

- Describe the Network File System (NFS)
- Manage the NFS server
- Manage the NFS client
- Enable the NFS server logging
- Troubleshoot NFS errors

Module 18 - Configuring AutoFS

- Describe the features of AutoFS
- Configure AutoFS

Module 19 - Configuring Custom JumpStart Software

- List the advantages of using the JumpStart software
- Configure the JumpStart software

Module 20 - Performing Flash Installation

- Describe the Flash installation procedure
- Create a Flash archive
- Use a Flash archive for the installation of the Solaris OE

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