Solaris 10 Operating System Essentials

Course Code: **SA-100-S10**

Duration: 5

Vendor

ORACLE

Area of Technology

Others

Course Level

Course Description

This course provides instruction in the key features and capabilities of Sun's flagship Solaris 10 OS. Topics include file and directory management, controlling the user work environment, archiving files, and using remote commands. In addition, this course explains fundamental command-line features of the Solaris OS, including file system navigation, the vi text editor, file permissions, access control lists (ACLs), command shells, file compression, basic network use, and reading shell scripts. This course is the first of a two-part series taken in preparation for the Sun Certified System Administrator for Solaris, Part I examination.

Target Audience

Students who can benefit from this course are individuals who are preparing to perform basic system administration duties and are new to the Solaris OS, or those who are unfamiliar with the UNIX operating system.

Objectives

Upon completion of this course, students should be able to:
Use components of the desktop system
Use command-line features and help resources
Manage and view files and directories and change the directory contents
Create and modify files and use basic file permissions
Create ACLs and control the user work environment
Use commands within the shell
Perform basic process and job control
Archive files and create archives

Compress, view, and uncompress files

Perform remote file transfers

Prerequisites

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

Use basic computer hardware (monitor, keyboard, and mouse)

Input commands and control characters from a keyboard

Course Outline

Module 1 - Using the Desktop in the Solaris 10 Operating System

Describe the hardware components of a computer

Describe the Solaris operating system components

Describe the SunOS operating system

Log in to the system

Use the desktop environment

Module 2 - Using Command-Line Features and Online Help Resources

Construct and execute commands from the command line

Use online documentation

Module 3 - Viewing Directories and Files

Work with directories

Work with files

Print files

Module 4 - Changing the Solaris OS Directory Contents

Copy files and directories

Move and rename files and directories

Create files and directories

Remove files and directories

Use symbolic links

Module 5 - Using the vi Editor

Describe the fundamentals of the vi editor

Modify files by using the vi editor

Module 6 - Using Commands Within the Shell

Use shell metacharacters

Describe the Korn shell variables

Display the command history

Describe the command-line interpreter

Work with user initialization files

Module 7 - Using Basic File Permissions

View file and directory permissions

Determine file or directory access

Change the permissions

Modify the default permissions

Module 8 - Configure Access Control Lists (ACLs)

Describe ACLs

Configure ACLs by using the command line

Configure ACLs using the File Manager graphical user interface (GUI)

Module 9 - Searching Files and Directories

Search for content in files

Search for files and directories

Module 10 - Performing Basic Process Control

Describe Solaris OS processes

View a process

Search for a specific process

Send a signal to a process

Module 11 - Advanced Shell Functionality

Manage jobs in the Korn shell

Describe the Korn shell alias utility

Use Korn shell functions

Set Korn shell options

Module 12 - Reading Shell Scripts

Describe shell scripts

Run shell scripts

Pass values to shell scripts

Use the test command

Perform conditional commands

Module 13 - Creating Archives

Archive files

Compress and archive files using the jar command

Module 14 - Compressing, Viewing, and Uncompressing Files

Compress files using the compress command * View compressed files using the zcat command * Uncompress files using the uncompress command * Compress a file with the gzip command * View files using the gzcat command * Compress and archive multiple files with the zip command

Module 15 - Performing Remote Connections and File Transfers

Establish a remote login session * Copy files or directories to and from another system * Transfer files between systems

Dates & Locations

Certifications

Related Courses