

UNIX Essentials Featuring the Solaris 10 Operating System

(SA-100-S10, 4 days)

Course Description

The UNIX Essentials Featuring the Solaris 10 Operating System course provides students with the necessary knowledge and skills to use components of the desktop system, manage files and directories, create and modify files, control the user work environment, archive files, and use remote commands. In addition, this course explains fundamental command-line features of the Solaris Operating System (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 that students take in preparation for the Sun Certified System Administrator for Solaris, Part I examination.

Who Can Benefit

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.

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

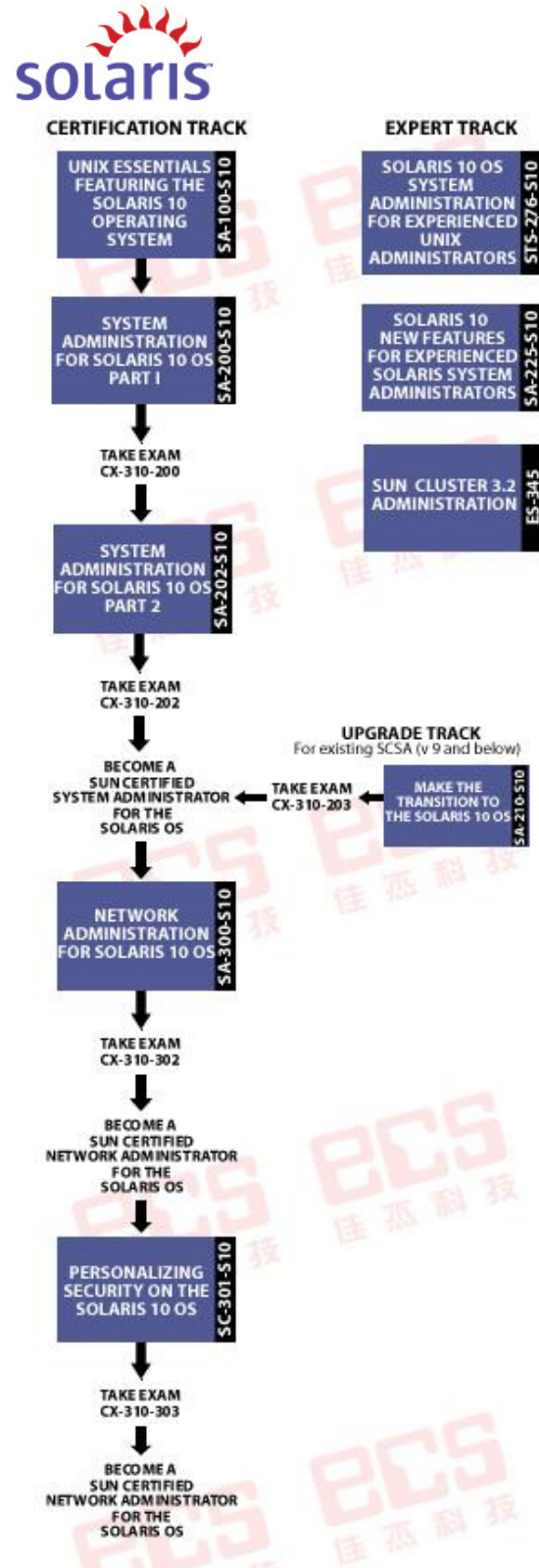
Skills Gained

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
- 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

Suggested Next Courses:

- System Administration for the Solaris 10 OS Part 1 (SA-200-S10)



REGISTRATION AND INFORMATION

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Course Content

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

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