

# UNIX Essentials Featuring the Solaris 10 Operating System (SA-100-S10)

## 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