



## UNIX® Essentials Featuring the Solaris™ 9 Operating Environment SA-119

The *UNIX® Essentials Featuring the Solaris™ 9 Operating Environment* 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 Environment (Solaris OE), including file system navigation, the vi text editor, file permissions, command shells, file compression, and basic network use. 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 OE, 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, 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
- Change the Solaris OE directory contents
- Create and modify files
- Use basic file permissions
- Control the user work environment
- Use commands within the Korn shell
- Perform basic process and job control
- Archive files and create archives
- Compress, view, and uncompress files
- Perform remote file transfers

### Related Courses

After:

- SA-239: *Intermediate System Administration for the Solaris™ 9 Operating Environment*
- SL-120: *Shell Programming for System Programmers*

50%  
Lab  
Lab

4  
Days  
Duration

## Course Outline

### Module 1 – Using the Desktop in the Solaris™ 9 Operating Environment

- Describe the four main hardware components of a desktop computer
- Describe the three main components of the SunOS™ operating system
- Log in to the system by using the Common Desktop Environment (CDE) and the command line
- Use the CDE

### Module 2 – Using Command-Line Features and 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 OE Directory Contents

- Copy files and directories
- Move files and directories
- Create files and directories
- Rename files and directories
- Remove files and directories
- Use symbolic links

### Module 5 – Searching Files and Directories

- Search for content in files
- Search for files and directories

### Module 6 – Using the vi Editor

- Identify the fundamentals of vi operation
- Manipulate files within the vi editor

### Module 7 – Using Basic File Permissions

- View file and directory permissions
- Determine file or directory access
- Change the permissions
- Use the default permissions

### Module 8 – Using Commands Within the Korn Shell

- Use the shell metacharacters
- Display the command history
- Describe user initialization files

### Module 9 – Performing Basic Process and Job Control

- Describe a process
- View a process
- Search for a specific process
- Send a signal to a process
- Manage a job in the Korn shell

### Module 10 – Performing Remote Connections and File Transfers

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

### Module 11 – Creating Archives

- Archive files
- Compress and archive files

**Module 12 – 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

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