



Training America Corporation

UNIX Fundamentals Express Outline (3 days)

Course Description: This course introduces Information Technology professionals to the UNIX Operating System. They will learn to use UNIX commands to perform basic user tasks and customize the user environment. Course lab time will be minimized to allow delivery of course in an express time frame.

Audience: Application developers, database administrators, system administrators, network managers, webmasters, and any other IT professional who is new to working with the UNIX Operating System.

Prerequisites: None.

Hardware/Software Requirements:

- One Solaris server per classroom (Intel or SPARC)
- CD-ROM for installation of course files
- One X-terminal capable workstation per student
- Local area network between server and clients
- One set of Solaris 9 operating system media (Intel or SPARC)

Course Objectives:

- Log in and log out using text or graphic terminals
- Describe and navigate the UNIX file system
- Use the Common Desktop Environment
- Manage files and directories
- Manage access permissions for files and directories
- Create text files using vi editor
- Use Korn shell interactive features
- Use Korn shell to control environment
- Write Korn shell scripts
- Use advance vi editor features
- Monitor and control user processes
- Create and schedule background jobs

Course Content:

Module 1: Getting Started with UNIX

- UNIX users
- Logging in to the system
- Command line processing
- Changing the user password
- Getting on-line help
- Logging out of the system

Module 2: Common Desktop Environment

- Default Desktop Organization
- Workspace Controls
- Desktop Help Facilities
- File Manager Application
- Editing Text with dedit
- Desktop Utilities
- Customizing the Desktop

Module 3 About the UNIX Files System

- UNIX File System
- UNIX Directories and Files
- Creating and Removing Directories
- Navigating the File System
- Accessing File System Information

Module 4: Managing UNIX Files

- Understanding UNIX Files
- Accessing File Information
- Accessing File Contents
- Managing Files

Module 5: Directory and File Permissions

- Understanding Access Permissions
- Types of Access
- Displaying Permissions
- Managing Access

Module 6: vi Editor – Just the Basics

- Basic vi Editor Concepts
- Basic vi Command Literacy

Module 7: Korn Shell Basics

- Role and Operation of the Korn Shell
- Korn Shell Interactive Features

Module 8: Korn Shell User Environment

- Understanding User Processes
- Working with Shell Variables
- Controlling the Environment
- Korn Shell Startup Files

Module 9: Korn Shell Scripts – Part I

- General Form of Script
- Sequential Execution
- Passing Arguments
- Debugging Scripts

Module 10: vi Editor – Power Features

- ex Editor Commands
- Configuring the vi Editor
- Customizing the vi Editor

Module 11: Controlling User Processes

- Monitoring Processes
- Background Execution
- Scheduling Processes