INTRODUCTION TO UNIX

Course Code: 100878

Learn the core UNIX/Linux and Shell skills for everyday tasks.

This course provides you with the skills for using UNIX/Linux commands and utilities. You'll learn file manipulation, program execution and control, and the effective use of the shell and desktop environments. We'll review the concepts required to understand how UNIX works and the system's most commonly used commands. Data manipulation utilities and shell syntax for synthesizing command pipelines are emphasized. Bourne shell, Bash shell, and Korn shell programming techniques are taught so you can read and modify existing shell scripts and create your own. Desktop environments are explored from a user's perspective, including common window managers, Open Office utilities, and an introduction to configuration tools.

What You'll Learn

Join an engaging hands-on learning environment, where you'll learn:

- Navigating the file system
- Controlling file access
- File and directory naming rules and conventions
- Manipulating files and links
- Controlling the Terminal
- Working with vi
- Monitoring and controlling processes
- Using command line editing
- Command substitution, quoting and escaping
- Using backup commands
- Submitting and controlling print jobs
- Communicating over the network
- Remote access with password authentication
- Working with secure shells
- Using GNOME and KDE GUI environments
- How to write and run shell scripts
- Using conditional constructs to control script execution
- Manipulating strings
- Command-line processing
- Using regular expressions

- String processing utilities: sed,grep and awk
- Counting words, lines and characters
- Working with compression utilities
- Writing functions
- Using the ksh and bash commands
- Working with UNIX I/O streams

This course has a 50% hands-on labs to 50% lecture ratio with engaging instruction, demos, group discussions, labs, and project work.

Who Needs to Attend

Professionals who want to learn core UNIX skills to perform daily tasks.

Prerequisites

Before attending this course, you should have:
- Basic Linux experience
- Be comfortable working with the command line
- Experience with common UNIX/Linux user-level commands, such as moving, copying, and editing files
- Experience with the vi editor (recommended)

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