

UNIX and Linux Essentials Course

Course Duration: 24 Hrs.

Course code: D72987

Course Overview

The UNIX and Linux Essentials Course is designed to provide learners with a solid foundation in UNIX and Linux operating systems. The course covers fundamental concepts such as file systems, command-line navigation, shell scripting, user management, process control, and system utilities. Through a combination of theory and hands-on labs, participants gain the skills required to effectively use and administer UNIX/Linux environments for enterprise and personal computing needs.

What you'll learn?

- Understand the basics of UNIX and Linux operating systems.
- Navigate the command line interface (CLI) efficiently.
- Work with files, directories, and permissions.
- Manage users, groups, and processes.
- Perform file editing using VI editor.
- Use pipes, filters, and redirections for task automation.
- Write and execute basic shell scripts.
- Apply essential system administration tasks.

Target Audience

- IT professionals new to UNIX/Linux.
- System administrators and support engineers.
- Developers working in UNIX/Linux environments.
- Students and beginners who want to build a strong foundation in UNIX/Linux.
- Professionals preparing for advanced Linux certifications.

Pre-Requisites

- Basic knowledge of computer operations.
- Familiarity with operating system concepts is helpful but not mandatory.

Course Content

Module 1: Introduction to UNIX and Linux Fundamentals

Module 2: Command Line Basics and Navigation

Module 3: File System Structure and Permissions

Module 4: User and Group Management

Module 5: Process Management and Monitoring

Module 6: Text Editors and VI Editor Usage

Module 7: Pipes, Filters, and Redirections

Module 8: Introduction to Shell Scripting

Module 9: System Utilities and Basic Administration

Module 10: Troubleshooting Essentials