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Course Overview

Course Details

Course Name: Linux Command Line Mastery: A Practical Guide

Instructor: Michael Lee

Created On: 16 June, 2025

Updated On: 16 June, 2025

Price: 5000 INR

Duration: 5 weeks

Modules: 10

Language: English, Hindi

Level: Beginner, Expert

Certifications: Yes

Course Description

This course is designed to make you a confident and proficient user of the Linux command line. We start with the absolute basics and guide you through to advanced concepts, empowering you to work efficiently on any Linux-based system, which forms the backbone of modern web infrastructure.

You will learn to navigate the filesystem, manage files and directories, and understand the critical permissions system. We'll cover powerful tools for searching and manipulating text, managing running processes, and connecting to remote servers securely. The course culminates in learning the fundamentals of shell scripting to automate repetitive tasks.

What You'll Learn:

- Navigating the filesystem and manipulating files.
- Managing users, groups, and permissions.
- Powerful text processing tools like `grep`, `sed`, and `awk`.
- Process management and system monitoring.
- Package management with `apt` and `yum`.
- Secure remote access with SSH.
- Writing basic shell scripts for automation.

Who Is This Course For?

This course is for everyone in the tech industry. It's an essential skill for developers, DevOps engineers, cloud engineers, and system administrators. No prior Linux experience is required.

Course Curriculum Details

Module 1: Module 1: Getting Started

2 Lessons

1. What is Linux? **15min**

2. The Shell and Basic Commands **25min**

Module 2: Module 2: Filesystem Navigation

2 Lessons

1. The Linux Directory Structure **20min**

2. `ls`, `cd`, `pwd`, and `tree` **30min**

Module 3: Module 3: File & Directory Management

2 Lessons

1. `touch`, `mkdir`, `cp`, `mv`, `rm`   **30min**

2. Wildcards and Brace Expansion   **20min**

Module 4: Module 4: Permissions
2 Lessons

1. Understanding File Permissions   **25min**

2. `chmod` and `chown`   **30min**

Module 5: Module 5: Text Processing
2 Lessons

1. Pipes and Redirects   **25min**

2. Searching with `grep`   **30min**

Module 6: Module 6: Process Management
1 Lessons

1. `ps`, `top`, `kill`   **30min**

Module 7: Module 7: Networking
1 Lessons

1. Remote Connections with SSH and SCP   **35min**

Module 8: Module 8: Package Management
1 Lessons

1. Using `apt` (Debian/Ubuntu) and `yum` (CentOS/RHEL)   **30min**

Module 9: Module 9: Shell Scripting Basics
2 Lessons

1. Writing Your First Shell Script   **30min**

2. Variables and Loops   **35min**

Module 10: Module 10: Final Project
1 Lessons

1. Create a Script to Automate Backups   **1hr**

This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.