Linux System Administration (TTLX2220)

Price: 2795

Duration: 5 days

Delivery Methods: Virtual

Overview

Linux System Administration is a comprehensive, hands-on course designed to provide you with essential skills to manage and maintain a Linux environment. Whether you're new to Linux or looking to deepen your system administration knowledge, this course covers all the practical tasks needed to confidently handle daily operations. You'll begin with setting up a Linux virtual machine and learning key system administration fundamentals, such as navigating the file system, managing user accounts, controlling processes, and utilizing shell scripting for task automation.

Throughout the course, you'll work through real-world scenarios involving file management, package installation, user and group management, and permissions handling. You'll also explore advanced topics such as working with symbolic and hard links, controlling superuser access with sudo, and managing system backups and software packages. Key networking concepts are covered, including configuring basic networking commands, testing connectivity, and managing services like Apache for web hosting. By the end of the course, you will be well-equipped to administer Linux systems, implement security measures, and optimize system performance in a networked environment.

This course balances theory with extensive hands-on practice, allowing participants to perform essential administrative tasks and explore tools such as cron, rsyslog, and system monitoring utilities. The agenda also includes managing file sharing services, such as Samba and NFS, and setting up a LAMP server for web hosting, giving you the skills needed to support modern enterprise environments.

Audience Profile

This course is ideal for IT professionals, system administrators, and anyone looking to gain a practical understanding of Linux system administration. It is designed for beginners, though familiarity with basic computer and command-line operations will be beneficial. No prior Linux experience is required.

Labs and exercises are designed to work across multiple distributions, including CentOS, Ubuntu, RHEL, Oracle, and others. You'll gain hands-on experience in areas such as user and group management, software installation, system backups, file system management, networking, and web server configuration, all applicable to a range of Linux environments.

At Course Completion

Guided by an expert instructor in a hands-on lab environment, participants will:

Install a Linux virtual machine and understand the terminal versus shell.

Navigate the Linux file system, manage directories, and use command-line tools.

Edit text files using both graphical editors (gedit, kate) and command-line editors (nano, vi).

Copy, move, rename, and delete files and directories.

Differentiate between Linux command types and effectively use command documentation.

Create and manage both soft and hard links.

Manage superuser access and handle root privileges with security best practices.

Add and manage users, groups, and file permissions to control access.

Utilize piping and I/O redirection for efficient data management.

Automate administrative tasks using cron and shell scripts.

Create system backups, manage disks, partitions, and file systems.

Install and configure basic networking, and set up a LAMP stack for web hosting.

Prerequisites

This is an introductory-level course, designed for anyone wanting to learn Linux. Attendees should be comfortable working with computers and the command line, but no other specific skills are required to attend.

Course Schedule

Date	Time	Price	Options

08/24/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll
06/22/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

(469) 721-6100

Email:

info@toptalentlearning.com

Find More Training

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.