



LINUX TRAINING

Linux System Admin Course

Master Linux system administration. Gain skills to manage, secure, and troubleshoot Linux environments efficiently.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Linux System Admin Course from Computer Pride is meticulously designed to equip aspiring and current IT professionals with the essential skills and in-depth knowledge required to effectively manage, maintain, and troubleshoot Linux-based systems in enterprise environments. You will delve into core Linux technologies, mastering the command-line interface, understanding file systems, user and group management, process control, and software package management. The course emphasizes practical, hands-on application, ensuring you gain confidence in real-world administrative tasks.

Beyond fundamental administration, the curriculum extends to critical areas such as network configuration, essential security practices, shell scripting for automation, and performance monitoring. By completing this program, you'll be prepared to tackle complex system challenges, optimize server operations, and ensure the stability and security of Linux infrastructure. This expertise is highly sought after across various industries, making you an invaluable asset in any organization relying on Linux for its backend operations, cloud infrastructure, or development environments.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Linux Fundamentals and Command Line Mastery

- Introduction to Linux Operating Systems and Distributions
- Navigating the Linux Filesystem (ls, cd, pwd, mkdir, rmdir)
- File and Directory Management (cp, mv, rm, touch)
- Understanding File Permissions and Ownership (chmod, chown)
- Using Basic Command-Line Tools (cat, more, less, head, tail, grep)
- Managing Processes (ps, top, kill, jobs, bg, fg)

02 Module 2: User, Group, and Software Management

- User Account Management (useradd, usermod, userdel, passwd)
- Group Management (groupadd, groupmod, groupdel)
- Understanding /etc/passwd, /etc/shadow, /etc/group
- Introduction to Software Package Management (apt, yum, dnf)
- Installing, Updating, and Removing Software Packages
- Managing Services with systemd (systemctl)

03 Module 3: Storage, Networking, and Basic Security

- Disk Partitioning and Filesystem Creation (fdisk, mkfs)
- Mounting and Unmounting Filesystems
- Managing Logical Volume Manager (LVM)
- Network Configuration Basics (ip, ifconfig, netstat)
- Configuring DNS Resolution and Hostnames
- Basic Firewall Configuration (firewalld, iptables)
- Introduction to SSH for Secure Remote Access

04 Module 4: Shell Scripting and Automation

- Introduction to Bash Shell Scripting

- Variables, Conditional Statements (if/else), Loops (for, while)
- Input/Output Redirection and Pipes
- Automating Administrative Tasks with Scripts
- Scheduling Tasks with Cron (crontab)
- Monitoring System Performance with basic tools

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Linux System Administrator**
- > **Server Operations Specialist**
- > **DevOps Support Engineer (entry-level)**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this Intermediate Linux System Admin Course?

While there are no strict formal prerequisites, a basic understanding of computer hardware and networking concepts is highly recommended. Familiarity with any command-line interface, even from other operating systems, would be beneficial. The course is designed to build upon foundational knowledge to reach an intermediate skill level in Linux administration.

Q: How will mastering the skills taught in this course impact my career progression in IT?

This course provides a robust foundation in Linux system administration, a skill set critical for many modern IT roles. It directly prepares you for positions like Junior Linux Administrator or Server Operations Specialist. Furthermore, it serves as an excellent stepping stone for advanced roles in cloud computing (AWS, Azure, GCP often run on Linux), DevOps engineering, cybersecurity, and enterprise infrastructure management, significantly enhancing your marketability and earning potential.

Q: Does this course prepare me for any specific industry certifications, and what kind of practical experience will I gain?

This course's curriculum is structured to cover many foundational topics found in vendor-neutral certifications such as CompTIA Linux+ or Linux Professional Institute (LPI) LPIC-1. While not directly a certification prep course, the skills acquired will significantly aid in preparing for such exams. You will gain hands-on experience through numerous practical labs and exercises, including setting up and managing users and groups, configuring network services, deploying software, troubleshooting system issues, and writing basic automation scripts in a real Linux environment.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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