



LINUX TRAINING

Course On Linux

Master Linux system administration, scripting, and networking for robust, secure enterprise environments.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the full potential of the Linux operating system with Computer Pride's Intermediate Course On Linux. This comprehensive 2-hour program is meticulously designed for individuals who possess foundational Linux knowledge and are eager to deepen their understanding and practical skills. You will delve into core technologies such as advanced shell commands, file system management, user and group administration, process control, and essential networking configurations. This course moves beyond basic navigation to empower you with the tools needed for efficient system management and troubleshooting.

By completing this intermediate course, you will gain significant professional benefits, including the ability to confidently manage Linux servers and workstations, automate routine tasks through scripting, and secure basic network services. These skills are highly sought after in today's technology-driven landscape, enhancing your employability and opening doors to more specialized IT roles. Whether you're aiming to bolster your current role or transition into a dedicated Linux-centric position, this course provides the critical intermediate-level expertise necessary to stand out.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Advanced Command-Line & File System Management

- Mastering grep, find, sed, and awk for text processing
- Advanced file permissions (sticky bit, SUID, SGID)
- Hard links and soft links explained and applied
- Disk usage analysis and management (df, du, fdisk)

02 Module 2: User, Group & Process Management

- Creating and managing user accounts and groups
- Understanding /etc/passwd, /etc/shadow, /etc/group
- Monitoring and controlling processes (ps, top, kill, nice, renice)
- Job control (fg, bg, jobs, nohup)

03 Module 3: Networking Fundamentals in Linux

- Network interface configuration (ip command, ifconfig legacy)
- DNS resolution and configuration (/etc/resolv.conf)
- Basic firewalling with UFW and iptables
- Secure Shell (SSH) advanced usage and key-based authentication

04 Module 4: Package Management & System Monitoring

- Using apt, yum/dnf for software installation and updates
- Managing services with systemctl (systemd)
- Log file analysis (journalctl, /var/log directory)
- Basic performance monitoring (vmstat, iostat, sar)

05 Module 5: Introduction to Shell Scripting

- Bash shell scripting basics (variables, input/output)
- Conditional statements (if/else, case)

- Looping constructs (for, while)
- Creating simple scripts for automation

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Linux System Administrator**
- > **Technical Support Specialist (Linux Environments)**
- > **DevOps Assistant Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge should I have before enrolling in this Intermediate Course On Linux?

This course is designed for individuals with a basic understanding of Linux. You should be comfortable with fundamental command-line navigation, file system structure, and common commands like 'ls', 'cd', 'pwd', and 'cp'. Familiarity with basic text editing in Linux (e.g., using 'nano' or 'vim') would also be beneficial to maximize your learning experience.

Q: How will the scripting skills learned in this course specifically benefit my career as a Junior Linux System Administrator?

The introductory shell scripting module will equip you with the ability to automate repetitive administrative tasks, such as creating backups, monitoring disk space, or managing log files. This efficiency is highly valued by employers and is a critical step towards advanced automation and DevOps practices, making you a more effective and sought-after system administrator.

Q: Does this course include hands-on practical exercises or real-world scenarios?

Yes, our Intermediate Course On Linux is heavily focused on practical application. Each module includes hands-on labs and exercises designed to reinforce the concepts taught, allowing you to apply commands, configure settings, and troubleshoot common issues in a simulated Linux environment. You will gain practical experience in managing users, networking, and scripting, preparing you for real-world challenges.

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+

10,000+

50+

Years of Excellence

Professionals Trained

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke