



LINUX TRAINING

Linux System Administration II Training Course

Master advanced Linux system administration. Gain expertise in troubleshooting, networking, and securing enterprise-level Linux infrastructures.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Linux System Administration II Training Course is an intensive, accelerated program designed for IT professionals who have a foundational understanding of Linux system administration and are ready to elevate their skills. This course delves into more complex aspects of managing and maintaining Linux environments, focusing on enhancing system reliability, security, and automation capabilities. Participants will engage with advanced command-line tools, refine their shell scripting prowess for sophisticated task automation, and master critical networking configurations.

This intermediate-level training specifically targets crucial areas often encountered in enterprise-grade Linux deployments, including advanced network service management, system performance monitoring, and essential security hardening techniques. By exploring real-world scenarios and practical applications, attendees will gain actionable knowledge to troubleshoot intricate system issues, optimize resource utilization, and implement robust security measures. The course emphasizes practical, hands-on learning to ensure immediate applicability of acquired skills.

Upon completion, you will be equipped to take on more challenging administrative tasks, streamline operational workflows, and contribute significantly to the stability and efficiency of Linux-based infrastructures. This specialized training is ideal for those aiming to advance their career in demanding IT roles that require a deep understanding of Linux internals and advanced system management.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Advanced Shell Scripting for Automation

- Review of shell fundamentals and variables
- Conditional statements and loops in scripts
- Functions and arrays for complex scripts
- Processing text files with 'awk' and 'sed'
- Automating administrative tasks with cron jobs

02 Module 2: Network Service Configuration & Troubleshooting

- Advanced network interface configuration (bonding, bridging)
- Configuring DNS (BIND client and basic server)
- Managing web services (Apache/Nginx basics)
- Configuring and securing SSH services
- Troubleshooting network connectivity issues

03 Module 3: Essential System Security & Monitoring

- User and group management best practices
- File permissions with ACLs
- Implementing and managing firewall rules (firewalld/iptables)
- Basic log management with rsyslog and journald
- Monitoring system performance with 'top', 'sar', 'vmstat'

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux System Administrator**
- > **DevOps Engineer (with a focus on Linux infrastructure)**
- > **Cloud Infrastructure Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What are the specific prerequisites for enrolling in this Linux System Administration II course?

To get the most out of this intensive 2-hour training, participants should have a solid working knowledge of Linux System Administration I concepts. This includes familiarity with basic command-line navigation, file system hierarchy, user/group management, package management, and fundamental networking concepts on a Linux system. Practical experience with Linux is highly recommended.

Q: How will this course specifically enhance my ability to automate tasks in a Linux environment?

This course dedicates a significant portion to advanced shell scripting, moving beyond basic commands to cover conditional logic, loops, functions, and text processing tools like 'awk' and 'sed'. You will learn to construct more robust and efficient scripts to automate complex administrative tasks, thereby reducing manual effort and improving system reliability. This directly translates to increased efficiency in managing your Linux infrastructure.

Q: Which advanced networking skills will I gain that are crucial for enterprise environments after completing this course?

You will acquire practical skills in configuring advanced network interfaces such as bonding (for fault tolerance and load balancing) and bridging (essential for virtualization). The course also covers the setup and troubleshooting of critical network services like DNS, Apache/Nginx, and secure SSH, providing you with the foundational expertise to manage network connectivity and services reliably within complex enterprise IT infrastructures.

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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