



LINUX TRAINING

Lfs101 Linux Course

Master essential Linux commands and file system management with LFS101. Gain foundational skills for any Linux-based career path.

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

The LFS101 Linux Course is your essential gateway into the world of Linux, providing a comprehensive foundation for anyone looking to master the operating system that powers everything from smartphones to supercomputers. This intermediate-level course dives deep into core Linux concepts, equipping you with the fundamental command-line skills, file system navigation techniques, and system administration basics crucial for any IT professional. You'll learn how to effectively interact with the Linux environment, manage files and directories, understand user permissions, and perform essential system operations, setting a strong base for advanced studies and real-world application.

By completing this 2-hour intensive program, you will not only gain proficiency in handling Linux systems but also unlock a myriad of professional opportunities. The knowledge acquired is universally applicable, making you a valuable asset in diverse IT landscapes such as cloud computing, cybersecurity, web development, and data science. This course is designed to empower you with practical, hands-on experience, ensuring you can confidently navigate and utilize Linux in various professional settings, enhancing your problem-solving capabilities and overall technical versatility.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Getting Started with Linux

- Introduction to Linux and its history
- Understanding the Linux architecture
- Navigating the Linux desktop environment
- Basic command line interface (CLI) usage
- Connecting to a Linux server via SSH

02 Module 2: Essential Linux Commands and File System

- Working with files and directories (ls, cd, pwd, mkdir, rmdir, touch, cp, mv, rm)
- Understanding file system hierarchy (FHS)
- Using wildcards and globbing
- Viewing file content (cat, less, more, head, tail)
- Searching for files (find, locate)

03 Module 3: Managing Users, Groups, and Permissions

- User and group management (useradd, usermod, userdel, groupadd, groupdel)
- Understanding file and directory permissions (chmod, chown, chgrp)
- Special permissions: SUID, SGID, and Sticky Bit
- Using sudo for elevated privileges

04 Module 4: Process Management and System Monitoring

- Understanding Linux processes (ps, top, htop)
- Managing processes (kill, killall, pgrep)
- Job control (fg, bg, jobs)
- Monitoring system resources (free, df, du)
- Introduction to syslog and journalctl for log viewing

05 Module 5: Package Management and Basic Scripting

- Introduction to package managers (apt, yum/dnf)
- Installing, updating, and removing software packages
- Basic shell scripting concepts
- Creating and executing simple bash scripts
- Using variables and conditional statements in scripts

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Linux System Administrator**
- > **IT Support Specialist with Linux Aptitude**
- > **Cloud Operations Technician**

FREQUENTLY ASKED QUESTIONS

Q: What specific hands-on skills will I acquire from the LFS101 Linux Course that are immediately applicable in a professional setting?

Upon completing the LFS101 Linux Course, you will gain proficiency in fundamental command-line operations, including navigating the file system, managing files and directories, and understanding user/group permissions. You'll be able to install and update software using common package managers, monitor system processes, and even write basic shell scripts to automate tasks. These skills are directly applicable for roles requiring basic system administration, IT support, or environments heavily utilizing Linux-based servers and applications.

Q: Does the LFS101 Linux Course provide a sufficient foundation for pursuing advanced Linux certifications, such as the LFCS or LPIC-1?

Yes, the LFS101 Linux Course is specifically designed as an excellent starting point for those aiming for advanced Linux certifications. It covers the core concepts and practical skills foundational to all professional Linux roles and subsequent certifications like the Linux Foundation Certified System Administrator (LFCS) or LPIC-1. While it doesn't cover all exam topics for those advanced certifications, it provides the essential prerequisite knowledge and practical command-line fluency necessary to successfully tackle more complex subjects.

Q: What are the recommended technical prerequisites or prior experience needed to get the most out of this LFS101 Linux Course?

To get the most out of the LFS101 Linux Course, a basic understanding of computer operations and familiarity with a graphical user interface (GUI) operating system (like Windows or macOS) is beneficial. No prior Linux experience or command-line expertise is required, as the course starts from foundational concepts. However, a willingness to engage with text-based interfaces and a keen interest in learning system administration principles will greatly enhance your learning experience.

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.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke