



LINUX TRAINING

Fundamentals Of Linux

Learn fundamental Linux commands and system management. Develop the core skills needed to confidently work in a Linux environment.

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 "Fundamentals Of Linux" course at Computer Pride is meticulously designed for individuals looking to establish a robust foundation in the Linux operating system. This intermediate-level program dives deep into the core concepts, empowering you with the essential skills to navigate, manage, and troubleshoot Linux environments effectively. You will gain hands-on experience with the command line interface, mastering file system navigation, understanding permissions, and managing processes, which are critical for any IT professional. The course covers crucial topics such as user and group management, basic networking configurations, and an introduction to shell scripting, preparing you for more advanced Linux administration tasks. Mastering these fundamentals is a gateway to diverse opportunities in modern IT infrastructure. This course ensures you develop a practical understanding of Linux, making you proficient in handling daily operational tasks and laying the groundwork for specialized roles in system administration, cybersecurity, and cloud computing. By the end of this program, you'll be well-equipped to confidently operate within a Linux ecosystem, a skill highly valued across various industries.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Getting Started with Linux

- Introduction to Linux and its distributions
- Understanding the Linux Architecture
- Accessing the Command Line Interface (CLI)
- Basic shell commands: ls, cd, pwd, man
- Navigating the Linux file system hierarchy (FHS)

02 Module 2: File Management and Permissions

- Creating, copying, moving, and deleting files and directories
- File viewing and editing with cat, less, more, nano, vi/vim basics
- Understanding Linux file permissions (rwx)
- Changing permissions with chmod, chown, chgrp
- Locating files with find and locate

03 Module 3: User, Group, and Process Management

- Managing users and groups: adduser, userdel, passwd, groupadd
- Understanding user and group IDs
- Monitoring and managing running processes with ps, top, kill
- Background and foreground processes
- Scheduling tasks with cron

04 Module 4: Basic Networking and Software Management

- Understanding network configurations (IP addressing, netstat, ip)
- Testing network connectivity: ping, traceroute
- Introduction to package management: apt, yum basics
- Installing, updating, and removing software packages
- Managing system services with systemctl

05 Module 5: Introduction to Shell Scripting

- What is shell scripting? bash basics
- Creating and executing simple shell scripts
- Variables and input/output in scripts
- Conditional statements (if/else) and loops (for/while)
- Basic script debugging

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

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

FREQUENTLY ASKED QUESTIONS

Q: What practical skills will I gain that are directly applicable to a Junior Linux System Administrator role after completing this course?

Upon completing the Fundamentals Of Linux course, you will be proficient in essential system administration tasks such as managing user accounts and groups, configuring file permissions, monitoring and controlling system processes, and performing basic network diagnostics. You'll also learn to automate routine tasks using basic shell scripts, which are crucial for efficiency in a system administration role. These hands-on skills directly prepare you for entry-level responsibilities in managing Linux servers and workstations.

Q: Are there any prerequisites for enrolling in this Intermediate Fundamentals Of Linux course, or is it suitable for absolute beginners?

While this is an intermediate-level course, we welcome motivated individuals with a basic understanding of computer operations. No prior Linux experience is strictly required, but familiarity with fundamental computing concepts like operating systems, file structures, and command-line interfaces (even from other OS) would be beneficial. The curriculum is structured to guide you from foundational Linux concepts to more advanced practical applications, ensuring a comprehensive learning experience.

Q: How does this course prepare me for further certifications like LPIC-1 or CompTIA Linux+?

The Fundamentals Of Linux course lays a solid conceptual and practical groundwork for industry-recognized certifications like LPIC-1 or CompTIA Linux+. It covers many core objectives found in these certifications, including command-line proficiency, file system management, user and group administration, process control, and basic scripting. While not a direct exam prep course, mastering the content here will significantly reduce your study time and enhance your understanding when pursuing these higher-level certifications.

ABOUT COMPUTER PRIDE



computerpride

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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