



LINUX TRAINING

Rocky Linux Admin Course

Master Rocky Linux administration. Learn to configure, manage, and troubleshoot enterprise Linux systems effectively.

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

This intermediate-level Rocky Linux Admin Course from Computer Pride is meticulously designed to equip aspiring and current IT professionals with the essential skills to effectively manage, maintain, and troubleshoot Rocky Linux systems. As an enterprise-grade, community-driven successor to CentOS, Rocky Linux is rapidly becoming a cornerstone in modern server environments. This course dives deep into the command-line interface, focusing on practical administration tasks crucial for robust and secure system operations.

Participants will gain hands-on experience with core technologies such as systemd for service management, dnf for package management, logical volume management (LVM) for flexible storage, and network configuration tools. You will learn to manage users and groups, implement file system security, configure networking, and troubleshoot common system issues. Mastering these skills is invaluable for anyone looking to build a career in server administration, cloud infrastructure, or DevOps, providing a strong foundation in a stable, production-ready Linux distribution.

Upon completion, you will be proficient in handling daily administrative tasks, ensuring the stability and performance of Rocky Linux servers, and contributing to efficient IT operations. This expertise is highly sought after by organizations relying on open-source solutions for their critical infrastructure, offering a clear advantage in a competitive job market.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Getting Started with Rocky Linux

- Introduction to Rocky Linux: History, features, and use cases
- Basic command-line interface (CLI) navigation
- Linux file system hierarchy standard (FHS)
- Essential text manipulation tools (cat, less, more, grep, sed, awk)

02 Module 2: User, Group, and File System Management

- Managing users and groups (useradd, usermod, groupadd, gpasswd)
- Understanding file permissions and ownership (chmod, chown, umask)
- Implementing Access Control Lists (ACLs)
- Disk partitioning and file system creation (ext4, XFS)
- Mounting and unmounting file systems

03 Module 3: Software and Service Administration

- Package management with DNF and RPM
- Managing system services with systemd (start, stop, enable, disable)
- Scheduling tasks with cron and at
- Monitoring system resources (top, htop, sar, vmstat)

04 Module 4: Network Configuration and Security Essentials

- Configuring network interfaces (IP addressing, netplan/NetworkManager)
- DNS client configuration
- Firewall management with firewalld

- Secure Shell (SSH) access and key-based authentication

05 Module 5: Storage, Backup, and Troubleshooting

- Logical Volume Management (LVM) basics: creating and extending volumes
- Implementing basic backup and restore strategies
- Troubleshooting common boot issues and system errors
- Kernel management and system updates
- Log file analysis for problem diagnosis

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Linux System Administrator**
- > **Server Support Engineer**
- > **Cloud Operations Specialist (Linux-focused)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge is recommended before enrolling in the Rocky Linux Admin Course?

While this course covers essential administration from an intermediate perspective, a basic understanding of computer hardware, operating system concepts, and familiarity with command-line environments (even from Windows/macOS) will be highly beneficial. Prior exposure to any Linux distribution's command line is a plus, though not strictly mandatory.

Q: How will Rocky Linux administration skills specifically enhance my career opportunities in enterprise environments?

Rocky Linux is an enterprise-grade, community-supported operating system, making it a popular choice for servers, virtualization, and cloud deployments. Proficiency in Rocky Linux administration demonstrates your ability to manage stable, long-term support systems critical for business operations, opening doors to roles in data centers, web hosting, and cloud infrastructure where stability and security are paramount.

Q: Does this course prepare me for any specific Linux vendor certifications, or is it purely focused on practical administration?

This course is primarily focused on building practical, hands-on administration skills specifically for Rocky Linux environments, emphasizing real-world scenarios and operational tasks. While it lays a strong foundation in general Linux system administration principles that are relevant to various certifications (like LPIC or RHCSA), it is not tailored to directly prepare for a single specific vendor exam.

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