



LINUX TRAINING

Linux Cloud Technician Course

Become a Linux Cloud Technician. Master Linux administration, virtualization, and cloud services for essential IT infrastructure roles.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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

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COURSE OVERVIEW

The Linux Cloud Technician Course at Computer Pride is an intermediate-level program designed to equip IT professionals with the essential skills to effectively manage, deploy, and troubleshoot Linux-based systems within cloud environments. This course delves into critical areas such as advanced Linux administration, server configuration, network services, and security hardening, all tailored for modern cloud infrastructure. Participants will gain hands-on experience with virtualization, containerization technologies like Docker, and integrating Linux operations with major cloud platforms.

Upon completion, you will be proficient in managing the full lifecycle of Linux instances in the cloud, from initial setup and configuration to ongoing maintenance, scaling, and disaster recovery. This certification solidifies your expertise in leveraging the power and flexibility of Linux within dynamic cloud ecosystems, preparing you for robust roles in cloud operations, DevOps, and system administration. It's an invaluable stepping stone for those looking to advance their career in the rapidly expanding field of cloud computing.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Cloud Computing and Linux Fundamentals Refresher

- Introduction to Cloud Computing Models (IaaS, PaaS, SaaS)
- Overview of major Cloud Providers (AWS, Azure, GCP)
- Linux Command Line Interface (CLI) Mastery
- Filesystem Hierarchy Standard and Disk Management
- Process Management and Job Scheduling (cron, at)

02 Module 2: Advanced Linux System Administration in the Cloud

- User and Group Management for Cloud Environments
- Software Package Management (APT, YUM/DNF) and Repositories
- Network Configuration for Cloud Instances
- Service Management with systemd
- Log Management and Analysis (journalctl, rsyslog)

03 Module 3: Virtualization, Containerization and Cloud Instance Management

- Understanding Virtual Machines (VMs) in the Cloud
- Introduction to Docker: Images, Containers, and Registries
- Container Orchestration Concepts (brief overview of Kubernetes)
- Deploying and Managing Linux Instances on Cloud Platforms (EC2, Azure VMs, Compute Engine)
- Cloud Storage Integration (EBS, Azure Disks, Persistent Disks)

04 Module 4: Cloud Networking and Security for Linux Systems

- Cloud Virtual Private Clouds (VPC) and Networking Concepts
- Firewall Configuration (iptables, firewalld) and Security Groups
- SSH Key Management and Secure Remote Access
- Implementing Data Encryption for Linux instances
- Basic Intrusion Detection and Prevention techniques

05 Module 5: Automation, Monitoring, and Troubleshooting

- Introduction to Shell Scripting for Automation
- Using cloud-init for instance bootstrapping
- Monitoring Linux Performance in the Cloud (CloudWatch, Azure Monitor, Stackdriver)
- Troubleshooting Common Linux Cloud Issues (Networking, Performance, Boot)
- Backup and Recovery Strategies for Cloud-based Linux Systems

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Cloud Administrator**
- > **Linux Systems Engineer (Cloud Focus)**
- > **DevOps Support Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the specific technical prerequisites for enrolling in the Linux Cloud Technician Course?

To get the most out of this intermediate-level course, participants should have a foundational understanding of Linux command-line operations, including basic file system navigation, user management, and process control. Prior exposure to fundamental networking concepts (IP addressing, DNS) and a general awareness of cloud computing principles will also be highly beneficial.

Q: How will this course prepare me for managing Linux environments on specific public cloud platforms like AWS or Azure?

This course is designed with a strong practical focus on public cloud integration. While not exclusive to one vendor, it covers universal concepts and provides hands-on exercises for deploying, configuring, and managing Linux instances on leading cloud platforms. You will learn to utilize cloud-specific tools for instance provisioning, storage, networking, and monitoring, enabling you to adapt your Linux administration skills across various cloud providers effectively.

Q: Beyond technical skills, what career-oriented outcomes can I expect from completing this Linux Cloud Technician Course?

Upon successful completion, you will not only possess the technical prowess to manage Linux systems in the cloud but also gain a highly marketable credential that validates your expertise. This course specifically targets roles such as Junior Cloud Administrator, Linux Systems Engineer (with a cloud specialization), and DevOps Support Specialist, enhancing your resume and opening doors to positions focused on cloud infrastructure maintenance, deployment, and operational support within modern IT organizations.

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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