



**HEROTEC**  
NETWORK PROFESSIONAL TRAINING

## CompTIA Linux + XK0-005 Course Outline

### Target Audience & Job Roles:

- Linux Administrator
- Junior Cloud Engineer
- Junior DevOps Support Engineer
- Technical Support Specialist
- Systems Administrator
- Network Administrator
- Web Administrator/ Developer
- Cybersecurity Engineer
- Linux Engineer

## Course Objectives

- The CompTIA Linux+ certification exam will verify the successful candidate has the knowledge and skills required to configure, manage, operate, and troubleshoot Linux on-premises and cloud-based server environments, while using security best practices, scripting, containerization, and automation.
- CompTIA Linux+ validates the skills administrators need to secure the enterprise, power the cloud and keep systems running.
- This course is for IT candidates preparing to take the CompTIA Linux + certification exam XK0-005.

## Technical Areas Covered:

- Configuration and management of Linux systems
- Operation of on-prem and cloud-based distributions
- Containerization and automation
- Scripting Containers, and Automation
- Networking
- Virtualization
- Cybersecurity

## Skills & Knowledge

- After completing this course, you will be able to:
  - Install, configure and manage server hardware and server operating systems
  - Implement proper server hardening and security controls
  - Successfully troubleshoot common server problems
  - Demonstrate an understanding of key disaster recovery, high availability and backup concepts

## Linux + Course Benefits:

- CompTIA Linux+ is the only job-focused Linux certification covering the latest foundational skills demanded by hiring managers.
- The exam covers tasks associated with all major distributions of Linux, setting the foundation for advanced vendor/distro-specific knowledge.
- All CompTIA certification exams are vendor-neutral. This ensures IT professionals can perform important job tasks in any technology environment.
- The CompTIA Linux+ exam is accredited by ANSI to show compliance with the ISO 17024 standard and, as such, undergoes regular reviews and updates to the exam objectives.

## Herotec Training Key Features

- Certified Trainers
- Official Courseware
- Course Knowledge setup to ensure “Learn by Doing”
- Downloadable files, links and checklists & more resources
- Affordable prices
- Flexibility

## About the exam:

- Required exam: XK0-005
- Number of questions: Maximum of 90
- Types of questions: Multiple-choice
- Exam duration: 90 minutes
- Recommended experience: A+, Network+, and Server+ or equivalent knowledge
- Passing score: 720 (on a scale of 100–900)

## Course Outlines:

- Lesson 1: Introducing Linux
- Lesson 2: Administering Users and Groups
- Lesson 3: Configuring Permissions
- Lesson 4: Implementing File Management
- Lesson 5: Authoring Text Files
- Lesson 6: Managing Software
- Lesson 7: Administering Storage
- Lesson 8: Managing Devices, Processes, Memory, and the Kernel
- Lesson 9: Managing Services
- Lesson 10: Configuring Network Settings
- Lesson 11: Configuring Network Security
- Lesson 12: Managing Linux Security
- Lesson 13: Implementing Simple Scripts
- Lesson 14: Using Infrastructure as Code
- Lesson 15: Managing Containers in Linux
- Lesson 16: Installing Linux

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