



CompTIA Linux+ Training Certification



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About the Program

CompTIA Linux+ Certification is designed for IT professionals who use Linux for managing, configuring, troubleshooting and operating in a Linux environment as a huge number of organizations, enterprises, and companies use Linux in cyber security, cloud, web, and mobile administration applications. This certification course includes hardware & system configuration, system operation & maintenance, Linux troubleshooting & diagnostics, security, enterprise-level device management, automation, and scripting.









CompTIA Linux+ certification course incorporates the skills required for installation while supporting the operating system of Linux, which includes file permissions, user administration, fundamental management of Linux systems, and software configurations. CompTIA Linux+ certified professionals can perform & execute day-to-day Linux maintenance tasks, can work at the Linux command line, and can assist Linux users effectively.

In this course, apprentices learn about the detailed concept of Linux, which includes:

- Installation and configuration of the Linux Operating System.
- Design, configure, manage, and maintain Linux users and groups.
- Understanding the networking configurations and protocols.
- Utilizing SQL scripts and commands to manipulate data.
- Creating, editing, locating, backups, and restoring data files in Linux.
- Operating, managing, and navigating the Linux File-system and performing security tasks



Key Training Features

-  Accredited Training Partner
-  Lifetime Training Access
-  Access to Labs
-  Study Guides
-  Assessments
-  Exam Voucher Included
-  24/7 support
-  Flexible Scheduling

Why CompTIA Linux+

The new CompTIA Linux+ is for the IT pro who will use Linux to manage everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, Cyber security, mobile and web administration applications.

- CompTIA Linux+ is the only job-focused Linux certification covering the latest foundational skills demanded by hiring managers.
- Unlike other certifications, the new exam includes performance-based and multiple-choice questions to identify the employees who can do the job.
- The exam covers tasks associated with all major distributions of Linux, setting the foundation for advanced vendor/distro-specific knowledge.



Target Audience

The CompTIA Linux+ Certification is ideal for IT professionals who are already working or want to make a career as

- Linux Administrator
- Systems Administrator
- Technical Support Specialist
- Web Administrator
- Network Administrator

Prerequisites

There are no particular prerequisites for the CompTIA Linux+ certification course, but Wissenhive recommends at least having one of the following:

- 1 year of Linux administration experience or equivalent knowledge.
- CompTIA A+ Certification
- CompTIA Network+ Certification



Career Benefits

Role of CompTIA Linux+ Professionals and benefits after completing CompTIA Linux+ Certification in the industry

- Increasing demand for Linux professionals
- Ability to meet skill gap and huge job opportunity
- Secure future and get a recession-proof job
- Ability to make the company more competitive and innovative
- Can target and provide promotional information
- CompTIA Linux+ Certification professionals are the top priority of organizations.
- Promotes credibility, builds trust, and proves your expertise with peers and employer.



Career Option with Salary Compensation

Linux System Administrator

Minimum - \$51,000/year
Avg Salary - \$76,000/year
Maximum - \$109,000/year

Technical Support Specialist

Minimum - \$37,000/year
Avg Salary - \$52,000/year
Maximum - \$81,000/year

Systems Administrator

Minimum - \$45,000/year
Avg Salary - \$63,000/year
Maximum - \$89,000/year

Network Administrator

Minimum - \$43,000/year
Avg Salary - \$60,000/year
Maximum - \$84,000/year

Web Administrator

Minimum - \$38,000/year
Avg Salary - \$59,000/year
Maximum - \$80,000/year



About The CompTIA Linux+ (XK0-004) Exam

Candidates are encouraged to use this document to help prepare for CompTIA Linux+ XK0-004. CompTIA Linux+ measures the necessary skills of an IT professional with hands-on experience configuring, monitoring, and supporting servers running the Linux operating system. Successful candidates will have the knowledge required to configure, manage, operate, and troubleshoot a Linux environment by using security best practices, scripting, and automation.

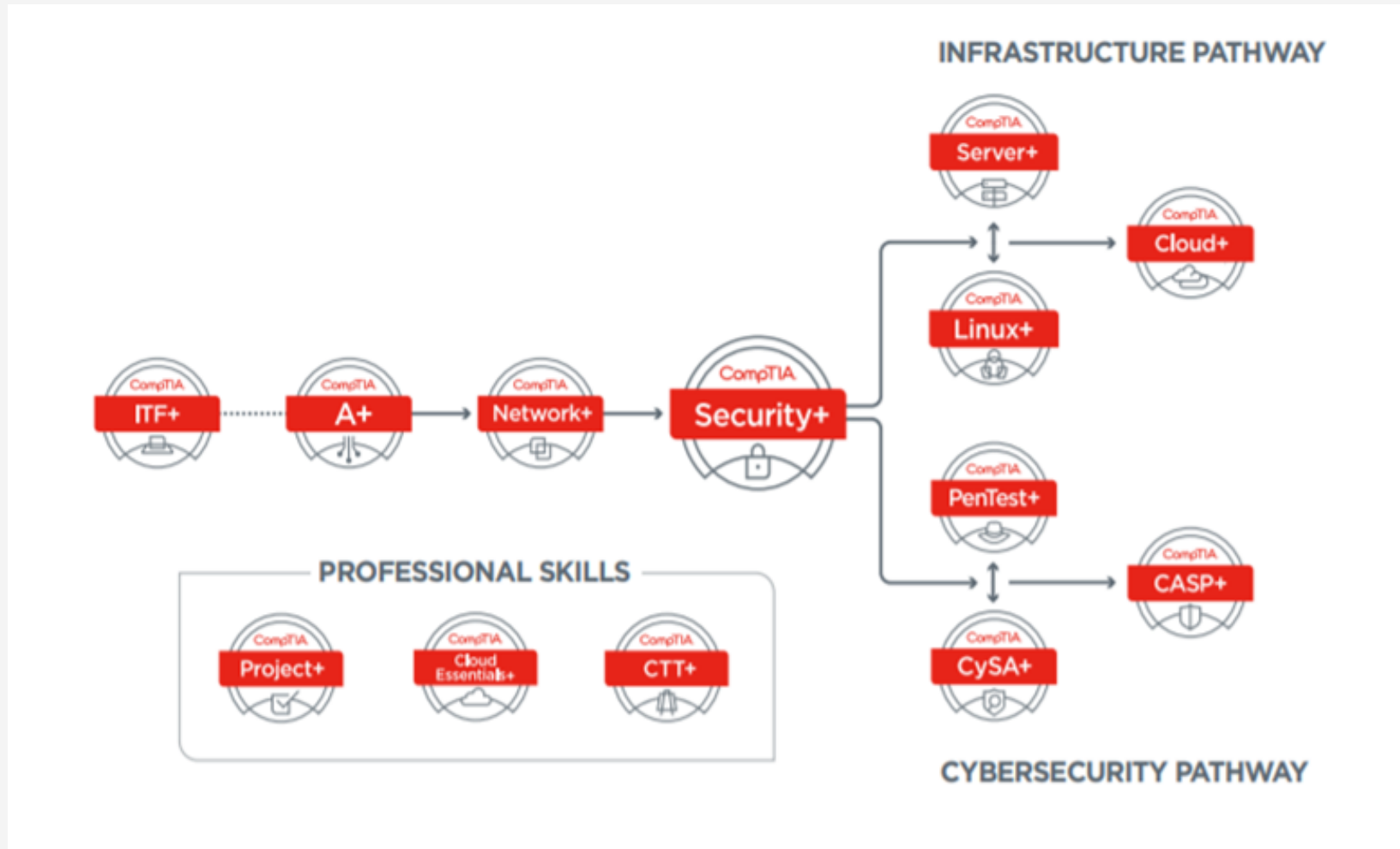
Test Details

- Required exam: XK0-004
- Number of questions: Maximum of 90
- Type of questions: Multiple choice and performance-based
- Length of test: 90 minutes
- Recommended experience: 9 – 12 months of hands-on experience configuring, monitoring, and supporting servers running the Linux OS
- Passing score: TBD



CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to support and manage cybersecurity. Enter where appropriate for you. Consider your experience and existing certifications or course of study.



Course Curriculum

Module 1: Performing Basic Linux Tasks

Topic A: Identify the Linux Design Philosophy

Topic B: Enter Shell Commands

Topic C: Get Help with Linux

Module 2: Managing Users and Groups

Topic A: Assume Superuser Privileges

Topic B: Create, Modify, and Delete Users

Topic C: Create, Modify, and Delete Groups

Topic D: Query Users and Groups

Topic E: Configure Account Profiles

Module 3: Managing Permissions and Ownership

Topic A: Modify File and Directory Permissions

Topic B: Modify File and Directory Ownership

Topic C: Configure Special Permissions and Attributes

Topic D: Troubleshoot Permissions Issues



Course Curriculum

Module 4: Managing Storage

Topic A: Create Partitions

Topic B: Manage Logical Volumes

Topic C: Mount File Systems

Topic D: Manage File Systems

Topic E: Navigate the Linux Directory Structure

Topic F: Troubleshoot Storage Issues

Module 5: Managing Files and Directories

Topic A: Create and Edit Text Files

Topic B: Search for Files

Topic C: Perform Operations on Files and Directories

Topic D: Process Text Files

Topic E: Manipulate File Output

Module 6: Managing Kernel Modules

Topic A: Explore the Linux Kernel

Topic B: Install and Configure Kernel Modules

Topic C: Monitor Kernel Modules

Module 7: Managing the Linux Boot Process

Topic A: Configure Linux Boot Components

Topic B: Configure GRUB 2



Course Curriculum

Module 8: Managing System Components

- Topic A: Configure Localization Options
- Topic B: Configure GUIs
- Topic C: Manage Services
- Topic D: Troubleshoot Process Issues
- Topic E: Troubleshoot CPU and Memory Issues

Module 9: Managing Devices

- Topic A: Identify the Types of Linux Devices
- Topic B: Configure Devices
- Topic C: Monitor Devices
- Topic D: Troubleshoot Hardware Issues

Module 10: Managing Networking

- Topic A: Identify TCP/IP Fundamentals
- Topic B: Identify Linux Server Roles
- Topic C: Connect to a Network
- Topic D: Configure DHCP and DNS Client Services
- Topic E: Configure Cloud and Virtualization Technologies
- Topic F: Troubleshoot Networking Issues



Course Curriculum

Module 11: Managing Packages and Software

- Topic A: Identify Package Managers
- Topic B: Manage RPM Packages with YUM
- Topic C: Manage Debian Packages with APT
- Topic D: Configure Repositories
- Topic E: Acquire Software
- Topic F: Build Software from Source Code
- Topic G: Troubleshoot Software Dependency Issues

Module 12: Securing Linux Systems

- Topic A: Implement Cybersecurity Best Practices
- Topic B: Implement Identity and Access Management Methods
- Topic C: Configure SELinux or AppArmor
- Topic D: Configure Firewalls
- Topic E: Implement Logging Services
- Topic F: Back Up, Restore, and Verify Data

Module 13: Working with Bash Scripts

- Topic A: Customize the Bash Shell Environment
- Topic B: Identify Scripting and Programming Fundamentals
- Topic C: Write and Execute a Simple Bash Script
- Topic D: Incorporate Control Statements in Bash Scripts



Course Curriculum

Module 14: Automating Tasks

Topic A: Schedule Jobs

Topic B: Implement Version Control Using Git

Topic C: Identify Orchestration Concepts

Module 15: Installing Linux

Topic A: Prepare for Linux Installation

Topic B: Perform the Installation



Contact us

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If you have any further questions or would like to chat with us, give us a call

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