CompTIA Linux+

Duration: 4 Days **Course Code: G016** **Version: XK0-006** **Delivery Method: Virtual Learning**

Overview:

CompTIA Linux+ validates the competencies required of an early career systems administrator supporting Linux systems.
The CompTIA Linux+ Certification Prep Course is designed to prepare learners for the newly updated XK0-006 exam. This course equips IT professionals with the practical skills needed to manage, secure, automate, and troubleshoot Linux systems in today's hybrid and cloud-based environments. Whether you're pursuing a career as a Linux systems administrator, systems engineer, or network engineer, this course provides the foundational and advanced knowledge required to succeed in modern IT infrastructures.
Participants will gain hands-on experience across five key domains: system management, services and user management, security, automation and scripting, and troubleshooting. The course covers essential topics such as configuring storage and network services, managing containers and virtual machines, implementing firewalls and OS hardening techniques, and automating tasks using tools like Ansible, Git, and Python. Learners will also explore AI best practices in scripting and orchestration, reflecting the evolving demands of today's tech landscape.
By the end of the course, learners will be well-prepared to take the XK0-006 exam and demonstrate their ability to support and secure Linux systems across diverse environments. As a vendor-neutral certification, CompTIA Linux+ is a valuable credential for professionals seeking to validate their Linux expertise and advance their careers in IT operations, cybersecurity, DevOps, and cloud computing.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

This course is ideal for those with at least 1+ years in IT and wanting to learn Linux.
- Linux Administrator
- Network Administrator
- Technical Support Specialist
- Web Administrator
- Systems Administrator
- IT Specialists
- Software Developers
- Security Engineers
- Penetration Testers

Objectives:

- Configure and manage Linux systems, storage, networks, and services in cloud and hybrid environments.
- Apply best practices including permissions, authentication, firewalls, and system hardening.
- Automate administration tasks and streamline operations with shell scripting, Python, and configuration management tools.
- Deploy, maintain, and monitor containers and virtual machines using leading technologies.
- Troubleshoot system, network, security, and application issues to ensure uptime and reliability for business operations.

Prerequisites:

CompTIA A+, CompTIA Network+ and at least 12 months of Linux administration experience

- G004 - CompTIA A+ Certification Accelerated
- G005 - CompTIA Network+

Testing and Certification

Certification Title:

- CompTIA Linux+

RELATED CERTIFICATIONS DESCRIPTION

- CompTIA Linux+ covers an evolving job role that focuses more on

how Linux powers the cloud. The exam includes cutting edge technologies that help automate and orchestrate business processes, including infrastructure as code and containers.

Content:

- Module 1 Identifying Basic Linux Concepts
- Module 2 Administering Users and Groups
- Module 3 Configuring Permissions
- Module 4 Implementing File Management
- Module 5 Authoring Text Files
- Module 6 Deploying Software
- Module 7 Administering Storage
- Module 8 Managing the Linux Kernel and Devices
- Module 9 Maintaining Services
- Module 10 Configuring Network Settings
- Module 11 Securing a Linux System
- Module 12 Installing Linux
- Module 13 Scripting with Bash and Python
- Module 14 Managing Containers in Linux
- Module 15 Automating Infrastructure Management

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK