



CompTIA Linux+

(Exam Code : XK0-004)

Course Objective :

This CompTIA Linux+ course will teach you how to configure, operate, and troubleshoot Linux systems. The CompTIA Linux+ is for those who will use Linux to manage servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications.

CompTIA Linux+ covers common tasks in major distributions of Linux, including the Linux command line, basic maintenance, installing and configuring workstations, and networking. CompTIA Linux+ validates the skills of IT professionals with hands-on experience configuring, monitoring, and supporting servers running the Linux operating system.

Certificate Of Attendance:

e-Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

Training Duration:

Full-time: 5 Weekdays

Time : 9.30am – 5.30pm

Course & Exam Fee :

Course Fee : S\$2800

Regn Fee : S\$50

All fees subject to prevailing GST. Course fee excludes CompTIA Exam.

Training Methodology & Materials:

- Practical hands-on sessions to enhance concept.
- Well-designed lab sessions to enhance further understanding of the courseware.

DETAILED COURSE OUTLINE

The table below lists the domains measured by this examination and the extent to which they are represented. CompTIA Linux+ exams are based on these objectives.

Domain	% of Examination
1.0 Hardware and System Configuration	21%
2.0 Systems Operation and Maintenance	26%
3.0 Security	19%
4.0 Linux Troubleshooting and Diagnostics	20%
5.0 Automation and Scripting	14%
Total	100%

Detailed Course Outline

1.0 Hardware and System Configuration

- 1.1 Explain Linux boot process concepts
- 1.2 Install, configure, and monitor kernel modules
- 1.3 Configure and verify network connection parameters
- 1.4 Manage storage in a Linux environment
- 1.5 Compare and contrast cloud and virtualization concepts and technologies
- 1.6 Configure localization options

2.0 Systems Operation and Maintenance

- 2.1 Conduct software installations, configurations, updates, and removals
- 2.2 Manage users and groups
- 2.3 Create, modify, and redirect files
- 2.4 Manage services
- 2.5 Summarize and explain server roles
- 2.6 Automate and schedule jobs
- 2.7 Explain the use and operation of Linux devices
- 2.8 Compare and contrast Linux graphical user interfaces

3.0 Security

- 3.1 Apply or acquire the appropriate user and/or group permissions and ownership
- 3.2 Configure and implement appropriate access and authentication methods
- 3.3 Summarize security best practices in a Linux environment
- 3.4 Implement logging services
- 3.5 Implement and configure Linux firewalls
- 3.6 Backup, restore, and compress files

4.0 Linux Troubleshooting and Diagnostics

- 4.1 Analyze system properties and remediate accordingly
- 4.2 Analyze system processes in order to optimize performance
- 4.3 Analyze and troubleshoot user issues
- 4.4 Analyze and troubleshoot application and hardware issues

5.0 Automation and Scripting

- 5.1 Deploy and execute basic BASH scripts
- 5.2 Carry out version control using Git
- 5.3 Summarize orchestration processes and concepts

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IT Enabler Consultancy Pte Ltd

(Co Reg No. 200211025Z)

12 Arumugam Road #04-02 LTC Building B Singapore 409958 Tel: 6333-4843