

CompTIA Linux+ Certification

Přehled

The Official CompTIA® Linux+® courseware builds on your existing experience with systems operations and administration to provide you with the knowledge and skills required to configure, manage, operate, and troubleshoot a Linux environment by using security best practices, scripting, and automation. This course will also prepare you for the Exam XKO-004.

Vzdělávací cíle

In this course, you will configure, operate, and troubleshoot Linux systems.

You will:

- Perform basic Linux tasks.
- Manage users and groups.
- Manage permissions and ownership.
- Manage storage.
- Manage files and directories.
- Manage kernel modules.
- Manage the Linux boot process.
- Manage system components.
- Manage devices.
- Manage networking.
- Manage packages and software.
- Secure Linux systems.
- Write and execute Bash shell scripts.
- Automate tasks.
- Plan and perform a Linux installation.

1 - Performing Basic Linux Tasks

Topic A: Identify the History and Development of Linux

Topic B: Enter Shell Commands

Topic C: Get Help Using Linux

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

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

[Online registrace](#)

Termíny

Trvání kurzu (v dnech): 5 Days

G2R = "Garantovaný termín" | OLL = "Online LIVE"
ILT = "Kurz vedený instruktorem"

11/02/20	G2R	3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00
12/07/20	G2R	3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00
02/01/21	G2R	3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00
03/22/21	G2R	4:00PM - 12:00AM	Praha, Czech Republic	OLL	CZK 0.00
04/26/21	G2R	3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00
06/07/21	G2R	3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00

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

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

6 - Managing Kernel Modules

Topic A: Explore the Linux Kernel
Topic B: Install and Configure Kernel Modules
Topic C: Monitor Kernel Modules

7 - Managing the Linux Boot Process

Topic A: Configure Linux Boot Components
Topic B: Configure GRUB 2

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

9 - Managing Devices

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

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

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

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

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

14 - Automating Tasks

Topic A: Schedule Jobs
Topic B: Implement Version Control Using Git
Topic C: Identify Orchestration Concepts

15 - Installing Linux

Topic A: Prepare for Linux Installation
Topic B: Perform the Installation
