



PECB Certified Linux Foundations (CLF)

Gain expertise in administering Linux systems and foundational security controls through hands-on command-line operations, user management, secure remote access, and log-based troubleshooting for reliable day-to-day operations.

Why should you take this training course?

The CLF training course serves as a strong foundation for anyone looking to build an understanding of Linux systems. Whether you are new to IT or looking to formalize your skills, this course will guide you through essential Linux concepts, including command-line basics, system management, and security practices.

The blend of theoretical knowledge and hands-on practice ensures that you learn the core principles while gaining the skills to apply them in real-world scenarios. This course is an essential stepping stone for anyone aiming to advance their career in IT and pursue more specified PECB training courses.

Upon successful completion of the training, you will be eligible to sit for the PECB CLF exam. Earning this credential will demonstrate your ability to understand and apply fundamental Linux concepts, navigate and manage Linux-based systems, recognize essential security, and operational best practices.



Who should attend this training course?

This training course is intended for:

- Individuals who are new to Linux and want to establish a solid foundation in the operating system
- IT professionals seeking to expand their skills in Linux systems management
- Aspiring system administrators, network engineers, and cybersecurity professionals
- Cybersecurity enthusiasts who need a basic understanding of Linux security practices for roles in cybersecurity or ethical hacking
- Professionals preparing for advanced PECB Linux-related certifications who need a solid grounding before pursuing further qualifications

Course agenda

Duration: 5 days

Day 1 | Linux essentials and CLI fundamentals

- Training course objectives and structure
- Introduction to Linux
- Command-line interface (CLI) fundamentals
- File system and storage management

Day 2 | System and user management

- File permissions and ownership
- Linux environment variables and basic shell scripting
- User and group administration

Day 3 | Linux process management and remote access and authentication

- Software and package management
- Linux process management
- Remote access and authentication management

Day 4 | System maintenance and security enhancement

- System security and log management
- System maintenance and updates
- Security enhancement and system hardening
- Closing of the training course

Day 5 | Certification Exam



Learning objectives

By the end of this training course, participants will be able to:

- Examine the architecture of the Linux operating system and the key principles behind it
- Administer and automate core system operations through efficient command-line interface (CLI) usage
- Maintain system integrity and deploy software using standardized package management procedures
- Monitor system health, manage running processes, and gather essential system information
- Establish and manage secure remote connections to facilitate reliable system administration

Examination

Duration: 3 hours

The “PECB Certified Linux Foundations” exam fully meets the PECB Examination and Certification Program (ECP) requirements. It covers the following competency domains:

Domain 1 | User and access control mechanisms

Domain 2 | Linux command-line and file system operations

Domain 3 | Secure remote administration and SSH mechanisms

Domain 4 | System maintenance, package management, and task scheduling

Domain 5 | Security monitoring and log analysis

For specific information about exam type, languages available, and other details, please visit the [List of PECB Exams](#) and the [Examination Rules and Policies](#).



Certification

After passing the exam, you can apply for one of the credentials in the table below. You will receive a certificate once you fulfill all the requirements of the selected credential.

Credential	Exam	Professional experience	CLF project experience	Other requirements
Certified Linux Foundations	PECB Certified Linux Foundations Exam	None	None	Signing the PECB Code of Ethics

For more information about the PECB certification process, please refer to [Certification Rules and Policies](#).

General information

- Certificate and examination fees are included in the price of the training course.
- Participants will receive more than 300 pages of comprehensive training materials, including practical examples, exercises, and quizzes.
- Participants who have attended the training course will receive an attestation of course completion worth 31 CPD (Continuing Professional Development) credits.
- Candidates who have completed the training course with one of our partners and failed the first exam attempt are eligible to retake for free the exam within a 12-month period from the course completion date, because the fee paid for the training course includes a first exam attempt and one retake. Otherwise, retake fees apply.