



SECURITY ESSENTIALS

Linux Professional Institute (LPI) certified professionals do better at their jobs. They're more likely to get higher paying jobs, advance their career, have more choices, flexibility and skills portability. This is no surprise, given LPI that is the global certification standard and career support organization for open source professionals.



**Linux
Professional
Institute**

Learn how to protect your data and reputation

IT security is absolutely crucial for individuals and organizations in today's digital world. The general ability to protect data, devices, and networks is a fundamental skill for the responsible use of information technology. Obtaining the Linux Professional Institute Security Essentials certificate is a fantastic way to learn how to protect yourself and to demonstrate your knowledge and expertise in the field to potential employers and clients.

The Security Essentials exam covers preliminary knowledge in all important fields of IT security. The certificate is intended for students who had their first course in IT security, for all members and staff of organizations that want to improve their IT security, and for individuals who want to attain a basic competence in the secure use of information technology.

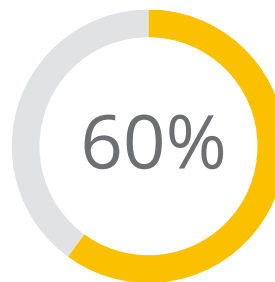
Exam code: 020-100 (Version 1.0)

Prerequisites: None, anyone can take the exam

Exam format: 40 questions/60 minutes

Validity period: Lifetime

More information: lpi.org/sece



60% of data breaches lead to increases in prices passed on to customers in 2022.

- IBM 2022 Cost of a Data Breach Report



Security Essentials exam topics



021: Security Concepts

022: Encryption

023: Device and Storage Security

024: Network and Service Security

025: Identity and Privacy

The Linux Professional Institute Essentials program

Security Essentials is part of LPI's Essentials program. The program provides a preliminary introduction to the major topics in the field of IT. It is targeted at candidates who made their first step in IT. The program enables candidates to get a profound understanding of the major topics of IT.

For each topic, comprehensive Learning Materials as well as an exam are available. The objectives and Learning Materials are designed to support candidates studying on their own, as well as teachers and trainers who use the materials to supplement their courses. Upon passing the exam, LPI awards the candidate a certificate.



“The exam objectives cover a comprehensive range of topics, including typical IT security fields like encryption and data security, but also rather uncommon topics like aspects of privacy and the secure use of social media. We test the fundamental knowledge everyone should have, either as the first stage of building IT security knowledge for a professional career, or as a personal toolbox for the secure use of digital infrastructure.”

– Fabian Thorns, Director of Product Development

IT security: human factor one of the main risks

- Verizon 2022 Data Breach Investigation Report

82% of all breaches involved “the human element” (the use of stolen credentials, phishing, misuse, or human error) in 2022.

82%

19% of all cyber security incidents in 2022 were caused by supply chain attacks.

19%

Approximately 47% of all cyber security incidents involved Personally Identifiable Information (PII), 46% of involved authentication credentials and 7% involved payment card data.

47%

84% of all cyber security incidents involved servers in 2022 (56% web application servers, and 28% mail servers).

84%

Total number of ransomware attacks increased by 13% in 2022, a rise as big as the last five years combined.

13%

40% of Ransomware incidents involved the use of desktop sharing software and 35% involved the use of email in 2022.

40%

Discover our Learning Materials

Learning is an initiative of the Linux Professional Institute (LPI) and supports you in preparing for our Linux and open source certifications. With the Learning Materials we continuously publish free material for teachers and learners.

More information: learning.lpi.org



The cyber security job market is growing fast

- cybersecurityguide.org, 2023

The demand for cyber security jobs, such as information security analysts, will grow by as much as 31 percent over the next ten years.

Cyber security jobs are exciting. This fast-paced field is perfect for anyone who loves a challenge and the thrill of problem-solving.

Cyber security includes a wide range of different jobs, from entry-level up to executive management, and everything in between.

There are not enough well-qualified experts to go around.

Those who pursue a career in cyber security can expect plenty of opportunities, high-paying salaries, and great benefits.

The cyber security job market has grown so rapidly over the past several years that applicants usually have lots of options.

Linux Professional Institute (LPI) certification doesn't claim you have the skills, it proves them

Verified credentials get you to the top of the resume pile and on recruiter hot lists. Best of all, it's the quickest way through the HR firewall.

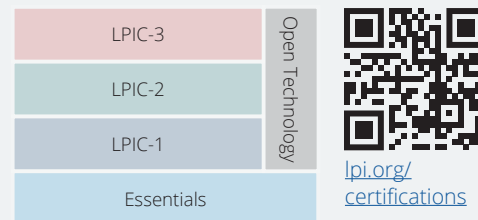
LPI's vendor-neutral certifications show open source software's versatility. When you pass these certifications, you won't be limited to one particular vendor technology, you will be capable of working

with multiple open source technologies – mirroring the environments you will experience on the job.

Because we provide detailed exam objectives, you can spend your time preparing for the exam efficiently.

LPI has certified professionals worldwide. It's the internationally recognized standard, which means you have a recognized skill set that is in demand throughout the world, and a career that can travel with you.

View summary of LPI exams



LPI is a non-profit organization

Linux Professional Institute (LPI) is the global certification standard and career support organization for open source professionals. With more than 200,000 exam holders, it's the world's first and largest vendor-neutral Linux and open source certification body. LPI has certified professionals in over 180 countries, delivers exams in multiple languages, and has hundreds of training partners.

Our purpose is to enable economic and creative opportunities for everybody by making open source knowledge and skills certification universally accessible.

For more information on how to get Security Essentials certified, to find training materials and instructors, or to purchase an exam voucher, visit lpi.org.