
Open Source Essentials 1.0

(Exam code 050-100)

Overview:

Open Source Essentials is part of LPI's Essentials certificate track. It covers the fundamental aspects of free and open source software, open content and open technology.

Its objectives include legal, technical and business aspects. The program is not limited to a specific profession. Instead, it covers the common knowledge that anyone who is professionally involved with open source should have.

This knowledge allows developers, managers, lawyers and any other professionals to communicate, share a common terminology, and collaborate successfully. This program also allows individuals to understand the concepts behind open source and engage with the open source community.

Prerequisites

None, anyone can take the test

Requirements:

Passing the Linux Essentials 010 exam. The Linux Essentials exam contains 40 questions and must be completed within 60 minutes.

To receive certificate the candidate must:

- have a fundamental understanding of important aspects of free and open source software. This includes knowledge of the technical characteristics of software, of open software licensing and open content licensing.
- understand how software is developed, especially within free and open software projects.
- be aware of common open source business models and collaboration tools.
- have the necessary skills to apply other professional skills in the context of free and open source software.
- have the knowledge to be an informed and valuable member of free and open source communities, as well as other organizations developing, supporting and using free and open source software.

Objectives

1. Software Fundamentals
 - 1.1 051.1 Software Components (weight: 2)
 - 1.2 051.2 Software Architecture (weight: 2)
 - 1.3 051.3 On-Premises and Cloud Computing (weight: 1)
2. Open Source Software Licenses
 - 2.1 052.1 Concepts of Open Source Software Licenses (weight: 3)
 - 2.2 052.2 Copyleft Software Licenses (weight: 3)
 - 2.3 052.3 Permissive Software Licenses (weight: 3)
3. Open Content Licenses
 - 3.1 053.1 Concepts of Open Content Licenses (weight: 2)
 - 3.2 053.2 Creative Commons Licenses (weight: 2)
 - 3.3 053.3 Other Open Content Licenses (weight: 1)
4. Open Source Business Models (weight: 7)
 - 4.1 054.1 Software Development Business Models (weight: 2)
 - 4.2 054.2 Service Provider Business Models (weight: 2)
 - 4.3 054.3 Compliance and Risk Mitigation (weight: 3)
5. Project Management
 - 5.1 055.1 Software Development Models (weight: 3)
 - 5.2 055.2 Product Management / Release Management (weight: 2)
 - 5.3 055.3 Community Management (weight: 2)
6. Collaboration and Communication
 - 6.1 056.1 Development Tools (weight: 2)
 - 6.2 056.2 Source Code Management (weight: 3)
 - 6.3 056.3 Communication and Collaboration Tools (weight: 2)