Linux Essentials

Description

The adoption of Linux continues to grow around the world as individuals, governments, industries ranging from automotive to space exploration embrace open source technologies.

The Linux Essentials course allows you to learn the basics of Linux, and is also an ideal springboard for the most advanced LPIC professional certification for Linux system administrators.

Course Content
Module 1: The Linux Community and an Open Source Career

- Lesson 1: Linux Evolution and popular operating systems
- Lesson 2: Major Open Source Applications
- Lesson 3: Understanding Free Software and Licenses
- Lesson 4: ICT Skills and Linux Work

Module 2: find your way on a Linux system

- Lesson 1: Basics of the Command Line 2.1
- Lesson 2: Using the Command Line for Help
- Lesson 3: Using Directories and List Files
- Lesson 4: Creating, Moving, and Deleting Files

Module 3: The power of the command line

- Lesson 1: Archive Files on the Command Line
- Lesson 2: Finding and extracting data from files
- Lesson 3: Transforming commands into script

Module 4: The Linux Operating System

- Lesson 1: Choosing an Operating System
- Lesson 2: Understanding Computer Hardware
- Lesson 3: Where the data is stored
- Lesson 4: Your computer on the network

Module 5: Security and File Permissions

- Lesson 1: Basic Security and Identifying Types of Users
- Lesson 2: Creating Users and Groups
- Lesson 3: Managing File Permissions and Property
- Lesson 4: Special Directories and Files

Documentation

- Digital courseware included

Exam

- This course prepares you to the Linux Essentials 010-150 exam exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- Anyone starting an open source career
- Anyone looking for advancement, certifying their skills
- Anyone wishing to embark on the world of Linux open source

Prerequisites

- No prerequisites

Objectives

- Knowledge of Linux development and major distributions
- Awareness of major applications and their uses and developments
- Basic skills in information and communication technologies (ICT) and Linux work
- Basics of using the Linux command line
- Realized help commands and navigation of different help systems
- Navigated through directories and file listing system
- Created, moved and deleted files and directories in the home directory
- Archived files in the user's home directory
- Search and extract data from files in the home directory
- Transformed repetitive commands into simple scripts
- Knowledge of major operating systems and Linux distributions
- Given the components that go into the construction of desktops and servers

Niveau
Fondamental
Classroom Registration Price (CHF)
3100
Virtual Classroom Registration Price (CHF)
2900
Duration (in Days)
4
Reference
LPI-01