Linux Administrator I

Description

This 3-day course is the first level of   LPIC-1 certification.

Classroom Registration Price (CHF)
2300
Virtual Classroom Registration Price (CHF)
2150
Course Content
Module 1: System Architecture

- Lesson 1: Determine and configure hardware settings
- Lesson 2: Start the system
- Lesson 3: Change Runlevels / Boot Targets and Stop or Restart System

Module 2: Linux Installation and Package Management

- Lesson 1: Install a boot manager
- Lesson 2: Manage Shared Libraries
- Lesson 3: Using Debian Package Management
- Lesson 4: Using RPM and YUM Packet Management

Module 3: GNU and Unix Commands

- Lesson 1: Working on the Command Line
- Lesson 2: Process text streams using filters
- Lesson 3: Perform basic file management
- Lesson 4: Using Streams, Tubes, and Redirects
- Lesson 5: Create, Monitor, and Kill Processes
- Lesson 6: Change Process Execution Priorities
- Lesson 7: Find Text Files Using Regular Expressions
- Lesson 8: Perform basic file editing with vi

Module 4: Peripherals, Linux File Systems, File System Hierarchy Standard

- Lesson 1: Create Partitions and File Systems
- Lesson 2: Maintaining File System Integrity
- Lesson 3: Control editing and unmounting file systems
- Lesson 4: Manage disk quotas
- Lesson 5: Manage file permissions and ownership
- Lesson 6: Create and edit physical and symbolic links
- Lesson 7: Find the system files and place the files in the right place

Documentation

- Digital courseware included

Exam

- This course prepares you to the LPIC-1 101: Linux administrator 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 who needs to perform command line maintenance, install and configure a computer running Linux and configure the base network

Prerequisites

- No prerequisites

Objectives

- Determine and configure the fundamental system hardware
- Guide the system throughout the startup process
- Manage the boot target sysvinit or systemd boot of the system
- Design a disk partitioning scheme for a linux system
- Select, install, and configure a boot manager
- Determine the shared libraries on which the executable programs depend and install them if necessary
- To perform package management using the tools of the debian package
- Perform package management using the rpm and yum tools
- Interact with shells and commands using the command line
- Apply filters to text feeds
- Use basic linux commands to manage files and directories
- Redirect feeds and connect them to effectively handle textual data

Niveau
Fondamental
Duration (in Days)
3
Reference
LPIC1-101