Linux System Administration II

Varighed: 5 Days   Kursus Kode: LIN102   Leveringsmetode: Company event (Firmakursus)

Beskrivelse:

The Linux Professional Institute (LPI) has established itself as the standard for distribution independent Linux certification. LPI offers three levels of certification: LPI 1, LPI 2 and LPI 3. LPI 1 is the base level certification that is looked for by professionals that want to validate their skills on Linux but not to one specific Linux distribution. This course will help candidates preparing for the LPIC 102 exam, which is the second out of 2 LPI exams candidates have to take to obtain the certificate.

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

Målgruppe:

This course is for IT staff that want to acquire Linux skills. Typical functions for attendees of this course include support staff and junior system administration.

Agenda:

- Managing a Linux shell environment and shell scripts
- Managing Linux printers
- Creating and managing user and group accounts
- Applying security settings
- Managing SQL databases

- Configuring and troubleshooting networking
- Managing Linux time
- Working with SSH
- Managing Logging

Forudsætninger:

To attend this course, participants need to attend the LPIC-101 course or have experience at a comparable level.

Test og certificering

This course prepares for the LPI LPIC-102 (102-500) exam.

Indhold:

0. Course Intro

This session introduces the course and explains what students can expect of it.

1. Using and Customizing the shell environment

In this lesson the student learns how to customize the shell environment to provide basic settings as needed by users.

2. Managing Printing

In this lesson the student learns how the CUPS printing system is organized and how print jobs as well as printers can be managed.

3. Managing User and Group Accounts

In this lesson the student learns how user and group accounts are used in a Linux environment and how these accounts can be managed.

4. Configuring Security

This lesson teaches how different network and user based security settings can be applied.

5. Scheduling Jobs

In this lesson the student learns how tasks and jobs can be scheduled using at and cron.

6. Maintaining System Time

Linux stores time in different ways. In this lesson the student learns about the different locations where time is stored and how these relate to one another.

7. Configuring System Logging

In this lesson the student learns how to configure system logging. The (r)syslog service is explained, as well as the systemd journal and logrotate.

8. Configuring Networking

This lesson introduces networking in general, and teaches how to configure network interfaces with fixed or permanent network configurations.

9. Managing MTA Basics

This lesson provides a basic overview of MTA working. It teaches students how to configure a system to send outgoing mail to a relay host.

10. Using SSH

In this lesson the student learns how to use ssh and related commands. Advanced SSH usage is also covered, including configuration parameters, working with SSH keys and SSH port forwarding.

11. Customizing and Writing Shell Scripts

This lesson provides an introduction to Linux shell scripting. At the end of this lesson the student will be able to read bash shell scripts and write shell scripts using common structures for himself.

12. Accessibility and Internationalization

This lesson explains how to configure Linux for increased accessibility, and for use in international environments.

13. SQL Data Management

This lesson teaches learners how to set up a simple SQL database.

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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