



active systems S.A. de C.V.

## **CURSO LPI-102 LINUX SYSTEMS ADMINISTRATION** **(40 horas)**

### **Exam 102 Overview**

#### **Exam 102 Study Guide**

Exam Preparation

#### **I. Hardware and Architecture (Topic 1.1)**

- a. Configure Fundamental System Hardware
- b. Set Up SCSI and NIC Devices
- c. Configure Modems and Sound Cards

#### **II Linux Installation and Package Management (Topic 2.2)**

- a. Design a Hard Disk Layout
- b. Install a Boot Manager
- c. Make and Install Programs from Source
- d. Manage Shared Libraries
- e. Use Debian Package Management
- f. Use Red Hat Package Manager (RPM)

#### **III Kernel (Topic 1.5)**

- a. Manage Kernel Modules at Runtime
- b. Reconfigure, Build, and Install a Custom Kernel and Modules

#### **IV Text-Editing, Processing, and Printing (Topic 1.7)**

- a. Perform Basic File Editing Operations Using vi
- b. Manage Printers and Print Queues
- c. Print Files
- d. Install and Configure Local and Remote Printers

#### **V Shells, Scripting, Programming, and Compiling (Topic 1.9)**

- a. Customize and Use the Shell Environment
- b. Customize or Write Simple Scripts

#### **VI (Topic 2.10)**

- a. An Overview of X
- b. Install and Configure XFree86
- c. Set Up xdm
- d. Identify and Terminate Runaway X Applications
- e. Install and Customize a Window Manager Environment

#### **VII Networking Fundamentals (Topic 1.12)**

- a. Fundamentals of TCP/IP
- b. TCP/IP Troubleshooting and Configuration
- c. Configure and Use PPP

#### **VIII Networking Services (Topic 1.13)**

- a. Configure and Manage inetd and Related Services
- b. Operate and Perform Basic Configuration of sendmail
- c. Operate and Perform Basic Configuration of Apache
- d. Properly Manage the NFS, SMB, and NMB Daemons
- e. Set Up and Configure Basic DNS Services



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**IX Security (Topic 1.14)**

- a. Perform Security Administration Tasks
- b. Set Up Host Security
- c. Set Up User-Level Security

**X Exam 102 Review Questions and Exercises**

- a. Hardware and Architecture (Topic 1.1)
- b. Linux Installation and Package Management (Topic 2.2)
- c. Kernel (Topic 1.5)
- d. Text Editing, Processing, and Printing (Topic 1.7)
- e. Shells, Scripting, Programming, and Compiling (Topic 1.9)
- f. X (Topic 2.10)
- g. Networking Fundamentals (Topic 1.12)
- h. Networking Services (Topic 1.13)
- i. Security (Topic 1.14)

**XI Exam 102 Practice Test**