



active systems S.A. de C.V.

## **CURSO LPI-101 LINUX FUNDAMENTALS (40 horas)**

### **Exam 101 Overview**

#### **Exam 101 Study Guide**

Exam Preparation

#### **I GNU and Unix Commands (Topic 1.3)**

- a. Work Effectively on the Unix Command Line.
- b. Process Text Streams Using Text-Processing Filters
- c. Perform Basic File Management
- d. Use Unix Streams, Pipes, and Redirects
- e. Create, Monitor, and Kill Processes
- f. Modify Process Execution Priorities
- g. Making Use of Regular Expressions

#### **II. Devices, Linux Filesystems, and the Filesystem Hierarchy Standard (Topic 2.4)**

- a. Create Partitions and Filesystems
- b. Maintain the Integrity of Filesystems
- c. Control Filesystem Mounting and Unmounting
- d. Set and View Disk Quotas
- e. Use File Permissions to Control Access to Files
- f. Manage File Ownership
- g. Create and Change Hard and Symbolic Links
- h. Find System Files and Place Files in the Correct Location

#### **III. Boot, Initialization, Shutdown, and Runlevels (Topic 2.6)**

- a. Boot the System
- b. Change Runlevels and Shutdown or Reboot the System

#### **IV Documentation (Topic 1.8)**

- a. Use and Manage Local System Documentation
- b. Find Linux Documentation on the Internet
- c. Write System Documentation
- d. Provide User Support

#### **V Administrative Tasks (Topic 2.11)**

- a. Manage Users and Group Accounts
- b. Tune the User Environment
- c. Configure and Use System Log Files
- d. Automate System Administration Tasks
- f. Maintain an Effective Data Backup Strategy

#### **VI Exam 101 Review Questions and Exercises**

- a. GNU and Unix Commands (Topic 1.3)
- b. Devices, Linux Filesystems, and the Filesystem Hierarchy Standard (Topic 2.4)
- c. Boot, Initialization, Shutdown, and Runlevels (Topic 2.6)
- d. Documentation (Topic 1.8)
- e. Administrative Tasks (Topic 2.11)

#### **VII Exam 101 Practice Test**