LPIC Exams

- LPIC1 Junior Level Administration
  - 101 General Linux Part 1
  - 102 General Linux Part 2

- LPIC2 Intermediate Level Administration
  - 201 Advanced Linux Administration
  - 202 Linux Networking Administration

- LPIC3 Senior Level Administration (Two topics to be completed)
  - 321 Windows Integration
  - 322 Internet Server
  - 323 Database Server
  - 324 Security, Firewalls and Encryption
  - 325 Kernel Drivers and Packages
  - 32? TBA
LPIC 1—Books I

Jeffrey Dean.  
*LPI Linux Certification in a Nutshell—A Desktop Quick Reference.*  

Angie Nash and Jason Nash.  
*LPIC 1 Certification Bible.*  
Hungry Minds.

Paul Sheer.  
*LINUX Rute Users Tutorial and Exposition*  
Prentice Hall.

Theresa Hadden Martinez.  
*Prep Kit General Linux 1*  
Que.

Ross Brunson.  
*Lpic 1 Exam Cram 2: Linux Professional Institute Certification Exams 101 and 102 (Exam Cram 2)*  
Que.
Certifications

Here are some Linux Certifications

- LPIC
- RHCT, RHCE
- Novell CLE (see http://www.novell.com/training/certinfo/cle/)
- SAGE
LPIC Level 1 Certification

All current LPI exams use computer-based tests administered through VUE or Prometric. Each exam costs $100 (US dollars) and the current outline is for there to be two exams at each level.

- Suitable tasks:
  - can work at the Unix command line
  - performs easy maintenance tasks: help out users, add users to a larger system, backup & restore, shutdown & reboot
  - can install and configure a work station (incl. X) and connect it to the LAN, or a stand-alone PC via modem to the Internet.

- Note:
  - This is somewhat heavier than the SAGE “Novice” level: we aim beyond the power-user and helpdesk level. It is about at the “prerequisites” level of the Red Hat training program.
LPI Level 1 Topics

- LPI 101
  - 101: Hardware & Architecture
  - 102: Linux Installation & Package Management
  - 103: GNU & Unix Commands
  - 104: Devices, Linux Filesystems, Filesystem Hierarchy Standard
  - 110: The X Window System

- LPI 102
  - 105: Kernel
  - 106: Boot, Initialisation, Shutdown and Runlevels
  - 107: Printing
  - 108: Documentation
  - 109: Shells, Scripting, Programming and Compiling
  - 111: Administrative Tasks
  - 112: Networking Fundamentals
  - 113: Networking Services
  - 114: Security
LPI Level 2 Topics

- 2.201: Kernel (0)
- 2.202: System Startup (0)
- 2.203: Filesystem (0)
- 2.204: Hardware (0)
- 2.205: Network (0)
- 2.206: Mail & News (0)
- 2.207: DNS (0)
- 2.208: Web Servers (0)
- 2.209: File & Service Sharing (0)
- 2.210: Network Client Management (0)
- 2.211: System Maintenance (0)
- 2.212: System Security (0)
- 2.213: System Customisation & Automation (0)
- 2.214: Troubleshooting (0)
Example of a Topic–107: Printing

There are three Objectives in the Printing topic:

- 1.107.2 Manage printers and print queues
- 1.107.3 Print files
- 1.107.4 Install and configure local and remote printers
Example of an Objective

1.107.2 Manage printers and print queues:

- Modified: 2003-Mar-17
- Maintainer: Kara Pritchard
- Weight: 1

**Description:** Candidates should be able to manage print queues and user print jobs. This objective includes monitoring print server and user print queues and troubleshooting general printing problems.

**Key files, terms, and utilities include:**

- /etc/printcap
- lpc
- lpq
- lprm
- lp
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