

LPIC-1 Linux System Administrator

INTRODUCTION

Linux has grown into an industry-leading software and service delivery platform that is used for everything from super computers and Web servers to virtualized systems and Android phones. This growth creates a high demand for qualified Linux professionals. The LPIC-1 is the first certification in LPI's multi-level Linux professional certification program and is the world's largest and most recognized Linux Certification.

Develop proficiency in performing maintenance tasks on the command line, installing and configuring a computer running Linux and configuring basic networking using virtual machines running Linux through hands-on labs that provide you with practical experience to prepare you for industry.

OUTLINE

System Architecture

- Hardware Settings
- Booting & Runlevels

Installation & Package Management

- Design Hard Disk Layout
- Boot Manager & Shared Libraries
- Debian, RPM & YUM Package Management

GNU & Unix Commands

- Work on the Command Line
- Streams, Pipes & Redirects
- Process Management
- Using VI & Regex

Networking Fundamentals

- IP & DNS
- Network Config

Essential System Services

- NTP / SMTP / CUPS

Devices & File Systems

- Partitions & Integrity
- Mounting & Unmounting
- Quotas & Permissions

Other

- Host Security & Encryption
- Shells, Scripting & Data
- User Interfaces & Desktops
- Administrative Tasks

DETAILS

What's included

- Training by a Linux Certified Educator
- Official Linux Courseware (Format: Online)
- Official Linux Exams (x1 Sit Per Module)

Award



LEARNING PATH

System Administrator Associate

Authorized Agent

COURSE DETAILS

Delivery Method: Lectures & Hands-on practice.
Entry Requirements: Good knowledge of English.
Duration: 9 Months **Price:** On request.

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Cisco IT Essentials PC Technician

INTRODUCTION

The IT Essentials course introduces you to the fundamentals of computer hardware and software, mobile devices, security and networking concepts, and the responsibilities of an IT professional. Furthermore, you will get an in-depth understanding of mobile devices, Linux, and client side virtualization, as well as expanded information about Microsoft Windows operating systems, security, networking, and troubleshooting.

This study programme includes hands-on labs that provide practical experience to prepare you for enterprise networking. Simulation tools help you hone your troubleshooting skills and develop critical thinking, collaboration, and problem solving skills, while gaining practical knowledge.

OUTLINE

Peripherals & Adapters

- Motherboard Components
- Connection Interfaces
- Display, Audio, Multimedia & Storage Devices

System Components

- Mass Storage Devices
- System Memory, Processors & Power Supplies
- BIOS & UEFI

Devices & Network Hardware

- Configuring Printers
- Network Architectures
- Ethernet Networks
- Laptops & Mobile Devices

Networks

- Wireless Networks
- Connections & Protocols
- Routers & Firewalls

Supporting Windows

- Installing Windows OS
- Administration Tools
- Managing Storage, Files, Devices, Performance & Applications
- Boot Problems
- Maintenance & Backup
- Threats & Vulnerabilities
- Viruses & Malware
- Securing Stations & Data
- Configuring & Securing Network Connections
- Configuring Shared Resources
- Virtualization & Services

Linux, OS X & Mobile OS

- Security & Troubleshooting
- Safety Procedures
- Professionalism in Communication

DETAILS

What's included

- Training by a Cisco Certified Educator
- Official Cisco Courseware (Format: Online)
- Official Cisco Chapter Tests
- Official Cisco Semester & Final Exams

Award

- Cisco IT Essentials Certificate

Cisco CCNA Routing & Switching

INTRODUCTION

As the network grows in complexity, so does the need for training for those who implement and manage network infrastructures and solutions. Achieving CCNA Routing & Switching certification is the first step in helping you prepare for a career in networking. Pursuing this certification will help improve your skill sets and provide you with ability to manage and optimize network systems.

This certification program is practical, relevant, and job-ready - aligned closely with the specific tasks expected of these in-demand professionals. Cisco realizes that the network professional increasingly must focus on design, configuration, and support responsibilities as the technical consultant, specialist or expert on a networking team.

OUTLINE

Introduction to Networks

- Exploring & Configuring Network
- Protocols & Communications
- Network Access & IP Addressing
- Application & Transport Layer
- Subnetting IP Networks
- Build a Small Network

Scaling Networks

- LAN Design & Scaling VLANs
- Spanning Tree Protocols
- Etherchannel & HSRP
- Dynamic Routing
- EIGRP Tuning & Troubleshooting
- Single-Area & Multiarea OSPF
- OSPF Tuning & Troubleshooting

Routing & Switching Essentials

- Routing Concepts
- Static & Dynamic Routing
- Switched Networks
- Switch Configuration
- VLANs & DHCP
- Access Control Lists
- NAT for IPv4
- Device Management

Connecting Networks

- WAN Concepts
- Point-to-Point Connections
- Branch Connections
- Access Control Lists
- Network Security & Monitoring
- Quality of Service
- Network Evolution
- Network Troubleshooting

DETAILS

What's included

- Training by a Cisco Certified Educator
- Official Cisco Courseware (Format: Online)
- Official Cisco Chapter Tests
- Official Cisco Semester & Final Exams

Award

