

KOENIG SOLUTIONS • COURSE OUTLINE

LPIC-1 Exam Prep (Course 2) v5.0

Learn to administer Linux systems, covering shells, desktops, administrative tasks, system services, networking and security.

6

MODULES

19

TOPICS

COURSE OVERVIEW

This course covers customising and scripting the shell environment, followed by installing and configuring X11, graphical desktops and accessibility features. It then addresses administrative tasks such as managing user and group accounts, scheduling jobs and handling localisation and internationalisation. Essential system services including time maintenance, system logging, mail transfer agent basics and printing are examined, alongside networking fundamentals covering internet protocols, persistent network configuration, troubleshooting and DNS. The course concludes with security administration, host security and data encryption.

WHO THIS COURSE IS FOR

System Administrators

Linux Administrators

Network Administrators

IT Support Technicians

Security Administrators

LEARNING OBJECTIVES

- Customise and write simple shell scripts
- Install and configure X11 and graphical desktops
- Configure accessibility options for desktop environments
- Manage user and group accounts and related files
- Schedule jobs to automate system administration tasks
- Maintain system time and configure system logging
- Configure client-side DNS and troubleshoot network issues
- Apply host security measures and data encryption

6 Modules, 19 Topics

01

Topic 105: Shells and Shell Scripting

TOPICS

105.1 Customize and use the shell environment ·
105.2 Customize or write simple scripts

02

Topic 106: User Interfaces and Desktops

TOPICS

106.1 Install and configure X11 · 106.2 Graphical Desktops · 106.3 Accessibility

03

Topic 107: Administrative Tasks

TOPICS

- 107.1 Manage user and group accounts and related system files
- 107.2 Automate system administration tasks by scheduling jobs
- 107.3 Localisation and internationalisation

04

Topic 108: Essential System Services

TOPICS

108.1 Maintain system time · 108.2 System logging ·
108.3 Mail Transfer Agent (MTA) basics · 108.4 Manage printers and printing

05

Topic 109: Networking Fundamentals

TOPICS

109.1 Fundamentals of internet protocols · 109.2 Persistent network configuration · 109.3 Basic network troubleshooting · 109.4 Configure client-side DNS

06

Topic 110: Security

TOPICS

110.1 Perform security administration tasks · 110.2 Setup host security · 110.3 Securing data with encryption

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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