

# **Linux Networking and Administration (LFS211)**

**Modality: On Demand**

**Duration: 50 Hours**

## **About this Course:**

In this course, you will learn how to design, deploy and maintain a network running under Linux; how to administer the network services; the skills to create and operate a network in any major Linux distribution; how to securely configure the network interfaces; and how to deploy and configure file, web, email and name servers.

## **Audience:**

This course is designed for system administrators and IT professionals who need to gain a hands-on knowledge of Linux network configuration and services as well as related topics such as basic security and performance.

## **Prerequisites:**

Students should be familiar with the concepts presented in Essentials of Linux System Administration (LFS201) course.

## **Course Outline:**

Chapter 1. Course Introduction

Chapter 2. Linux Networking (Concepts and Review)

Chapter 3. Network Configuration

Chapter 4. Network Troubleshooting and Monitoring

Chapter 5. Remote Access

Chapter 6. Domain Name Service

Chapter 7. HTTP Servers

Chapter 8. Advanced HTTP Servers

Chapter 9. Email Servers

Chapter 10. File Sharing

Chapter 10. File Sharing

Chapter 11. Advanced Networking

Chapter 12. HTTP Caching

Chapter 13. Network File Systems

Chapter 14. Introduction to Network Security

Chapter 15. Firewalls

Chapter 16. High Availability

Chapter 17. Databases

Chapter 18. System Log

Chapter 19. Package Management