LFS211 – Linux Networking and Administration

Duration: 6 Days (8hrs/day)

Prerequisites: Students should be familiar with the concepts presented in Linux Foundation System Administration course.

Course Objective: 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.

Lab Requirement: Koenig DC (CentOS 9, SUSE 15 and Ubuntu 22.04)

Module 1 – Course Introduction – Only Theory

Module 2 – Linux Networking Concepts and Review

Module 3 – Network Configuration

Module 4 – Network Troubleshooting and Monitoring

Module 5 – Remote Access

Module 6 – Domain Name Service

Module 7 – HTTP Servers

Module 8 – Advanced HTTP Servers

Module 9 – Email Servers

Module 10 – Email Servers

Module 11 – File Sharing

Module 12 – Advanced Networking

Module 13 – HTTP Caching

Module 14 – Network File Systems

Module 15 – Introduction to Network Security – Only Theory

Module 16 – Firewalls

Module 17 – High Availability – Only Theory

Module 18 – Databases

Module 19 – System Log

Module 20 – Package Management