LFS265 - Software Defined Networking Fundamentals

Modality: On Demand

Duration: 30 Hours

About this course:

This online training program is intended to provide network engineers and administrators, and also system administrators looking to step into networking, with the requisite skills to manage SDN implementation in a virtual networking framework.

When software displaces several of the tasks that hardware performs or has done in the past, it needs more individuals with SDN expertise. This program is intended to give you the knowledge required to handle an SDN implementation.

Course Objective:

- How to manage and set up a network established by the Software
- Networking described the fundamental principles behind the program
- Important utilities and tools needed to manage SDN in a virtual network and how to use it

Audience:

- Network Engineers
- Network Administrators

Prerequisite:

- A fundamental understanding of the command line on Linux is needed.

Course Outline:

- Session 1. Course Introduction
- Session 2. Software Defined Networking
- Session 3. Open vSwitch
- Session 4. Simulation and Observation
- Session 5. SDN - History and Evolution
- Session 6. Network Programmability
- Session 7. YANG
- Session 8. OpenFlow
- Session 9. ONOS
- Session 10. Introduction to OpenDaylight
- Session 11. Apache Karaf - The OSGi Container