LFS266 - DevOps for Network Engineers

Modality: Self-Paced Learning

Duration: 30 Hours

SATV Value:

CLC:

NATU:

SUBSCRIPTION: Learn, Master

Intro to Course:

The barrier between Development and Operations is quickly diminishing and both sides have learned to accommodate on some mutual ground as organizations are embracing to Agile principles. Automating networks is rapidly becoming the standard for datacenters, with major usage for network engineers. Their contribution to connectivity, network performance tuning, security and many other sectors of network management, which require network expertise. This course will enable you to acquaintance yourself with the DevOps tools, which are required to assist in the DevOps / Agile process.

A DevOps Engineer gets a pay of US $ 131,149 per annum on an average.

Course Outline?

After passing through this course, you will be able to learn and understand the:

- The way to integrate into DevOps/Agile environment.
- Usage of commonly used DevOps tools.
- Collaboration of DevOps team on projects.
- Very nature of working confidently with software and configuration files in version control.
- Recognition of the roles of SCRUM team members.
- Way to apply Agile Principles in an organization with full confidence.

And much much more.

Who needs to register?

- App Developers
- DevOps Engineers

Main Requirement!

- Knowledge of Linux System Administration.
- Knowledge of Shell Scripting.
- Familiarity of Python

Course Outline:

- Chapter 1. Course Introduction
- Chapter 2. Modern Project Management
- Chapter 3. The DevOps Process: A Network Engineer’s Perspective
- Chapter 4. Network Simulation and Testing with Mininet
- Chapter 5. OpenFlow and ONOS
- Chapter 6. Infrastructure as Code (Ansible Basics)
- Chapter 7. Version Control (Git)
- Chapter 8. Continuous Integration and Continuous Delivery (Jenkins)
- Chapter 9. Using Gerrit in DevOps
- Chapter 10. Jenkins, Gerrit and Code Review for DevOps
- Chapter 11. The DevOps Process and Tools (Review)