Training: The Linux Foundation
LFS266 DevOps for Network Engineers

TRAINING GOALS:

The line between Development and Operations is disappearing and both sides are learning to adjust to some common ground as organizations embrace Agile principles. Automating networks is becoming the standard for datacenters, with major implications for network engineers. They contribute to connectivity, network performance tuning, security, and many other areas of network management that require network expertise. This course will help you familiarize yourself with the DevOps tools needed to assist in the DevOps/Agile process.

You'll learn:

- How to integrate into a DevOps/Agile environment
- Commonly used DevOps tools
- How DevOps teams collaborate on projects
- How to confidently work with software and configuration files in version control
- How to recognize the roles of SCRUM team members
- How to confidently apply Agile principles in an organization
- And much more!

CONSPECT:

- Course Introduction
- Modern Project Management
- The DevOps Process: A Network Engineer's Perspective
- Network Simulation and Testing with Mininet
- OpenFlow and ONOS
- Infrastructure as Code (Ansible Basics)
- Version Control (Git)
- Continuous Integration and Continuous Delivery (Jenkins)
- Using Gerrit in DevOps
- Jenkins, Gerrit and Code Review for DevOps
- The DevOps Process and Tools (Review)

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REQUIREMENTS:

- Familiarity with Linux system administration
- Familiarity with shell scripting
- Knowledge of Python

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation.

TRAINER:

Certified The Linux Foundation Trainer.

ADDITIONAL INFORMATION:

25-30 hours of course material.

Hands-on Labs & Assignments.

12 Months of Access to Online Course.

Discussion Forums.

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