Fundamentals of Open Source IT and Cloud Computing (LFS200)

The intent of this course is to take you on a journey from little or no knowledge of IT topics to the knowledge needed to demonstrate Linux and cloud environment proficiencies. The course begins with a foundational understanding of computer hardware, software, and operating systems, and walks you through concepts related to system administration, networking, troubleshooting, the Internet, cloud, security, DevOps, project management, and open source software and licensing. The course, along with real-world experience and study, will provide the skills and knowledge also tested by the Linux Foundation Certified IT Associate (LFCA) exam.

Duration: 2 Days

Prerequisites for this course

- o This course assumes no previous Linux knowledge but it does require other operating system and interface skills that a regular user encounters such as logging into a Graphical Interface (GUI), running applications from the GUI, downloading files from the Internet and installing software packages on your selected system.
- o Before starting this course, we recommend the course "Introduction to Linux".

Outline for this course

Chapter 1 – Course Introduction

Chapter 2 – What is Linux?

Chapter 3 – User Interfaces

Chapter 4 – Installing Linux

Chapter 5 – Linux Filesystems and File Management

Chapter 6 – User and System Administration Commands

Chapter 7 – Networking and Network Troubleshooting

Chapter 8 – Software and Cloud Computing: Basic Concepts

Chapter 9 – Security Fundamentals

Chapter 10 – DevOps Fundamentals

Chapter 11 – Supporting Applications and Developers