



Introduction to Open Source Development, Git, and Linux (LFD201)

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Objetivos:

This course will prepare you to work comfortably and productively in open source development communities and Linux environments.

It shows you have mastered important Linux methods and requisite tools, can use Git to create new repositories or clone existing ones, commit new changes, review revision histories, examine differences with older versions, work with different branches, merge repositories, and work with a distributed development team.

Requisitos:

To make the most of this course, you will need to have:

- Experience as a developer on any operating system
- Experience in working at the command line is not necessary, but would be helpful

Material del curso:

- Documentación Oficial de This course Introduction to Open Source Development, Git, and Linux (LFD201)

Metodología:

- “Learning by doing” se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiriera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.



Contenidos:

Module 1: Course Introduction

Module 2: Open Source Software (OSS)

Module 3: Why Use Open Source Software?

Module 4: Examples of Successful OSS Projects

Module 5: How to Work in OSS Projects

Module 6: Continuous Integration

Module 7: OSS Licensing and Legal Issues

Module 8: Leadership vs Control and Why Projects Fail

Module 9: Respecting and Encouraging Diversity in OSS

Module 10: GitHub and Other Hosting Providers

Module 11: Linux and the Operating System

Module 12: Graphical Environments and Interfaces

Module 13: System Administration

Module 14: Getting Help

Module 15: Text Editors

Module 16: Shells, bash, and the Command Line

Module 17: Filesystem Layout, Partitions, Paths and Links

Module 18: System Initialization



Module 19: Memory

Module 20: Networking

Module 21: Command Details

Module 22: Users and Groups

Module 23: Linux Filesystems

Module 24: Essential Command Line Tools

Module 25: Bash Scripting

Module 26: Files and Filesystems

Module 27: Compiling, Linking, and Libraries

Module 28: Java Installation and Environment

Module 29: Building RPM and Debian Packages

Module 30: Introduction to Git

Module 31: Git Installation

Module 32: Git and Revision Control Systems

Module 33: Using Git: An Example

Module 34: Git Concepts and Architecture

Module 35: Managing Files and the Index

Module 36: Commits

Module 37: Branches



Module 38: Diffs

Module 39: Merges

Module 40: Managing Local and Remote Repositories

Module 41: Using Patches

Module 42: Using Patches



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