

Module: GIT -source code management

Git allows you to track changes to your code and organize your projects. In this training, you will learn how to track changes to your code and how to organize your projects and deploy them with Git and GitHub: installation, configuration, basic commands, branch management, taking into account common errors, etc.

Prerequisites : Programming concepts, use a programming language.



Ways to take this course: Online Instructor Led
Online self-paced
Video On Demand

Video conference tool: ZOOM

Duration: 14 H (2 days)

OUTLINE

Introducing GIT

- History
- Version Manager
- The key concepts of Git
- Repository, storage
- Benefits of using Git
- Some workflows
- GIT ecosystem

Installation and handling

- Installation: sources, binaries
- Setup and Getting Started
- Create repository
- CLI and basic commands
- Get help

Basic commands

- The 3 states of a file
- Connecting to a repository
- Check the status of a file
- Add, edit, delete files and directories
- Ignore, move files
- Commits, Commit Changes
- History, undo, compare
- Using tags
- Sync with a remote repository
- Handling the sources of a project

Branch management

- What is a branch?
- Examples of branches
- Creating branches
- Navigation between branches
- Merging Branches
- Conflict Resolution
- Temporary Branch
- Rebase

GIT and GitHub

- Repositories shared via GitHub
- Search by dichotomy
- Common mistakes