

# Git – Fundamentals

## Description

Mastering version control tools has become essential for every development professional. With this Git training, you will discover a practical and complete environment to understand and use Git in your projects. This Git course requires no prior experience, yet offers a clear and progressive approach. Each participant leaves with real hands-on experience and a solid understanding of the key concepts of version control.

## Why learn Git today

Git is used by developers worldwide. It helps manage code versions efficiently, improve collaboration, and secure projects. Learning Git means gaining a valuable and lasting skill. You will not only understand the basic commands but also the best practices for teamwork and avoiding common mistakes. This Git training prepares you to grow in a demanding and collaborative technical environment.

## Course Content

### Module 1: Introduction

- Git Installation
- Git Quick Start
- Text Editor Installation

### Module 2: Basic Git Commands

- Visual Merge/Diff Tool Installation
- Comparisons
- Branching and Merging

### Module 3: Advanced Git Commands

- Rebasing
- Stashing
- Tagging

### Module 4 : Extra (if time permits)

- Reset and Reflog
- Compare Branches via GitHub
- Compare Branches via Command Line

## Documentation

- Digital courseware included

## Participant profiles

- Anyone interested in using source control and specifically Git
- Software engineers, developers, programmers new to Git
- IT Managers or technical leads considering Git for version control on their teams

- Freelancers or other creative professionals

### **Prerequisites**

- Basic computer skills
- Ability to install software on your computer
- Admin rights may be required for software installation

### **Objectives**

- Learn the key concepts of the Git source control system
- Step through the entire Git workflow
- Compare the different states in Git and compare between branches and commits
- Manage files with Git (move, rename, delete) and update files managed outside Git
- Create and fork repositories on GitHub and push changes back after working on them locally
- Create branches and resolve merge conflicts like a pro

### **Description**

Git Training – Fundamentals

#### **Niveau**

Fondamental

#### **Classroom Registration Price (CHF)**

900

#### **Virtual Classroom Registration Price (CHF)**

850

#### **Duration (in Days)**

1

#### **Reference**

GIT-01