

# Git Fundamentals

## Group Training

Training code	CGAGITFUCE
Spoken Language	English
Language Materials	English
Dayparts	2
Price	<b>€600,00</b> excl. VAT No extra costs.

## What is Git Fundamentals

The course Git Fundamentals starts with an explanation of how Git works, which is fundamentally different from the way traditional version control systems such as Subversion and CVS work.

Git does not use a central repository where you check files in and out. With Git on the other hand, every developer gets access to all previous versions in compressed form.

See the below modules for more information:

### Module 1 : Git Intro

- What is Git?
- Version Control Systems
- Git Installation
- Git Configuration
- Git Workflow
- Working Directory
- Staging Area
- Repositories
- Git Tooling
- Git Bash
- Git Gui
- Shell Integration

### Module 2 : Git Commands

- git init
- git add
- git status
- git diff
- git commit
- git log

### Module 3 : Branching

- Branching Workflows
- Creating Branches
- git branch
- Switching Branches
- HEAD
- Branch Management
- Branch Pointer

### Module 4 : Merging

- git merge
- Merge Strategies
- Merge Conflicts
- Fork Maintenance
- Conflict Resolution
- Conflict Visualization

### Module 5 : Remotes

- Working with Remotes
- Bare repositories
- git clone
- Sharing and Updating
- git remote
- Setting Origin

### Module 6 : Tooling

- Git Repositories
- Public Repositories
- Securing with SSH
- Github
- BitBucket
- Gitlab

## Who should attend Git Fundamentals

The training GIT Fundamentals is intended for anyone who wants to learn how to use Git as a version control system.

### Prerequisites

No specific prior knowledge is required to participate in the course GIT Fundamentals. Experience with version management or software development is beneficial to good understanding.

### Objectives

At the end of the training, participant know:

- What is Git
- Git commands
- Branching

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- Merging
- Remotes
- Tooling

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