



MFE-IT

Reference: 2B/EN/GIT

Git Training Course

Master Collaborative and Secure Version Control for Your
Development Projects

Duration: 2 Days | Hours: 14 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

Git is the essential version control system for software development. Whether you want to track changes to your code, collaborate with others, or roll back in case of an error, Git offers a powerful, flexible and reliable framework.

This training course helps you understand the fundamental concepts, master the essential commands in the command line or via graphical interfaces, and deploy collaborative workflows tailored to your team — feature branches, Git Flow, pull requests and more.

LEARNING OBJECTIVES

By the end of this training course, participants will be able to:

- Understand key Git concepts: repository, commit, branch, merge, remote
- Master essential everyday commands (init, clone, status, add, commit, log, diff)
- Use branches effectively to isolate and manage developments
- Collaborate via GitHub, GitLab or Bitbucket: push, pull, fork, pull request
- Resolve conflicts, cancel or replay changes (reset, revert, rebase)
- Set up a structured team workflow

PREREQUISITES

- Basic knowledge of development (any language)
- Proficiency with a terminal or code editor (Visual Studio Code, JetBrains, etc.)

Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.

TARGET AUDIENCE

Git training accessible to developers, integrators, DevOps teams and technical project managers.

DETAILED PROGRAMME

The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Introduction to Git and version control

- Why use Git? History and comparison with SVN
- Local versus remote repositories
- Mental model of Git's three-tree architecture

Module 2 – The fundamentals of Git

- Initialisation, cloning, adding, validation and history
- Project organisation and .gitignore
- Reading commit history with git log

Module 3 – Branches, mergers and conflicts

- Creating branches and switching between them
- Merging, fast-forwarding and three-way merges
- Resolving conflicts step by step

Module 4 – Working as a team with GitHub/GitLab

- Remote, push/pull and forking workflows
- Pull requests / merge requests and code review
- Branch protection and team conventions

Module 5 – History rewriting and cleaning

- Rebase versus merge: when and why
- Squash, cherry-pick and amend
- Best practices for a clean, readable history

Module 6 – Professional workflows

- Git Flow, GitHub Flow and trunk-based development
- Version management, tags and release branches
- Connecting Git to CI/CD pipelines

Module 7 – Case studies

- Creation of a collaborative project
- Ticket management and conflict simulation
- Automated deployment from Git

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts