

Git Best Practices

Learn the most effective practices for using Git, the most widely used version control system in the software development industry.

Category: DevOps · Duration: 2 days

WHO IT IS FOR

- Every developer who commits code
- Teams that want hands-on practice on real scenarios

In this comprehensive course, you will gain a deep understanding of Git and learn best practices for using it efficiently in your software development projects. You will explore various advanced features and workflows, such as branching, merging, rebasing, and resolving conflicts. By the end of the course, you will have the skills and knowledge to effectively manage your codebase using Git.

Prerequisites

Basic understanding of Git and experience with version control systems.

Syllabus

- Introduction to Git and version control
- Setting up a Git repository
- Basic Git commands
- Branching and merging
- Resolving conflicts
- Advanced Git workflows
- Managing Git remote repositories
- Git best practices for collaboration
- Git hooks and customizations
- Git security best practices
- Using Git in CI/CD pipelines
- Troubleshooting common Git issues
- Git tips and tricks
- Git GUI tools and extensions
- Rebasing in Git

- Undoing Git operations
- Working with Git tags
- Git bisect for bug tracking
- Git stash and cherry-pick
- Git interactive rebase