

# Git – Version Control System

Course code: GOC1015

Git version control system has recently become the de facto standard for most open source project, but is also used in the commercial sector. Git can be viewed as a substitute for Subversion, but accessing the versioning problem in another way. While previous VCS like CVS, Subversion, etc. Worked with the central model, Git (and such. I Mercurial) are working on a distributed model (DVCS). It also builds on the intensive use of branching (branches) and the merge back. The work calls for frequent isolated commit?m and different way of thinking about the integration of all changes. The course focuses on practical work with Git and understanding of the basic concepts for any OS (Windows, Linux, Mac OS X, ...).

## What we teach you:

- We will teach you practical use Git version control system.

## Who the course is for:

- The course is designed for those who want to learn how to use Git version control system
- The course is platform independent (Windows, Linux, Mac OS X)

## Required skills:

- None

## Teaching methods:

- Professional explanation with practical samples and examples.

## Teaching materials:

- Powerpoint handouts and module printouts.

## Course syllabus:

Introduction to VCS and DVCS.

- As Git DVCS.
- Installing Git.
- Git repository - commit, undo history.
- Git and branch / merge.
- Git tags remotes.
- Stashing. Rewriting history. Interactive. Searching.

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