

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.

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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