

# SUBVERSION Day Berlin 2011

sponsored by



**Timeline:** Workshops on 18 May 2011 (1.00 pm – 5.00 pm)

**Location:** Berlin Innovation Center (BIG), 13355 Berlin, Gustav-Meyer-Allee 25

## Workshop 1:

### “Advanced Hook Script Programming”

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Subversion hook scripts are an indispensable tool for optimising the development process. In particular, they are used to validate commits to prevent changes which are in contradiction to the established development process from entering the repository. If used correctly, they support developers during complicated merges, prevent undocumented changes, and ensure seamless integration of Subversion with other development tools.

In this hands-on workshop, attendees will learn:

- How to manage hooks scripts so that changes in development process requirements can be implemented quickly and safely.
- How to make optimal use of the available languages and interfaces for hook scripts programming.
- How to design hook scripts to always support development, rather than hindering it (even if the hook script admin is on vacation)
- Hook script frameworks

## Workshop 2:

### “Introduction to git-svn: Using Subversion more effectively with Git”

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Git is a powerful distributed version control system which is becoming increasingly popular among developers. The distributed nature of Git makes it hard to deploy in environments that are better suited for centralised version control systems such as Subversion. The git-svn command line tool allows Git to be used as a Subversion client, giving developers access to features that are unique to Git (such as offline commits, and greater performance due to less network overhead), while all assets are still harboured in a central Subversion repository.

In this workshop, attendees will learn:

- Enough basics about Git to be able to use git-svn effectively.
- How to use advantages of git-svn while keeping changes made to the Subversion repository 100% compatible with other Subversion clients.
- What the pitfalls of git-svn are and how to avoid them.
- How to cover use cases that, at first sight, seem specific to git-svn with the standard Subversion command line client.

### **Workshop 3:**

#### **“Migrating from Highly Integrated Tools to an Open Source Stack based on Subversion”**

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ClearCase UCM, Dimensions, Harvest, Synergy - they are representing the class of "highly integrated" tools. Some of the features integrated in those tools are defined and enforced workflow, complex workspace configuration, promotion model, and a build system. The Open Source way, with it's light coupling of subsystems, provides diversity and specialization. There is a choice of components that, when properly interfaced, support the software development process very well. But how does it all come together?

In this workshop, attendees will

- Describe the features of the "highly integrated" tools in a tool-independent way.
- Model the desired functionality in Subversion and other interconnected Open Source tools.
- Implement a tool chain that has the "look and feel" of a "highly integrated" environment.