

Subversion Workshop

Senthil Kumaran

CollabNet

September 30, 2010

Agenda

- Introduction to Version Control Systems (VCS)
- Basics of Subversion (svn)
- Hands on

Version Control Systems (VCS)

Why version control

Because human memory is poor!

Time machine

A Version control system is a time machine, which does not know anything about your future, but remembers everything about your past!

VCS types

- Line Based/Centralized version control systems
- Distributed version control systems (DVCS)

What and What not? - VCS

What does VCS do?

- History watch
- Collaborate with people
- Revert short and long term changes
- Log your changes description
- Praise or Blame
- Sandboxing
- Branching and Merging

What not?

- VCS does not generate code for you!
- It wont do release management
- It wont build and test your changes

Subversion - SVN



The screenshot shows the Apache Subversion website homepage. At the top left is the Subversion logo, and at the top right is the Apache Incubator logo. The main heading is "Apache Subversion". Below this, a welcome message states: "Welcome to subversion.apache.org, the online home of the Subversion software project. Subversion is an open source version control system. Founded in 2000 by CollabNet, Inc., the Subversion project and software have seen incredible success over the past decade. Subversion has enjoyed and continues to enjoy widespread adoption in both the open source arena and the corporate world. The project's original goal of being "a compelling replacement for CVS" (an older version control system with a similar model) was surpassed long ago — today Subversion stands on its own highly-reputable name.

For helpful hints about how to get the most out of your visit to this site, see the [About This Site](#) section below.

On the left side, there is a navigation menu with links for "About Subversion", "Getting Subversion", and "Community". Below the menu is a search box and a link to "Read the official Subversion documentation".

The "News" section features a green header and a blue bar for the latest news item: "2010-01-21 — Subversion 1.6.9 Released". The text below the bar reads: "Subversion 1.6.9, the latest stable version of Subversion, has been released. For more information, see the [release announcement](#) or the [changelog](#)."

Subversion - SVN - Continued...

- Repository
- Working Copy
- Copy-Modify-Merge
- webdav, local, svnserve - access methods
- Authentication and authorization
- svn checkout (co)
- svn merge
- svn update
- svn commit (ci)
- svn diff
- svn copy (cp) - branch and tags
- svn log

References

- SVN book - <http://svnbook.red-bean.com/>

Thank You

Thank You!

<http://www.stylesen.org/>
stylesen@gmail.com