

Shared versioning system: Subversion (SVN) repository implementation

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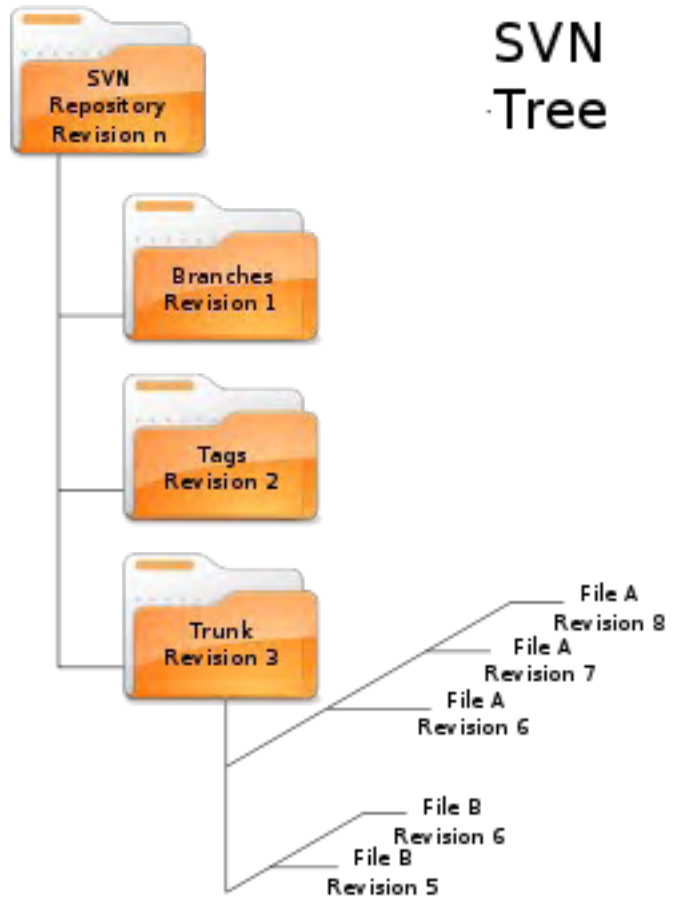
What is subversion

- It is a version control system.
- Motivation
 - Collaboration
 - Repository versus working copy
 - Know who makes changes
 - Roll back
 - Restore after errors.
 - Disaster relief
 - Erasing by mistake before nightly backup.

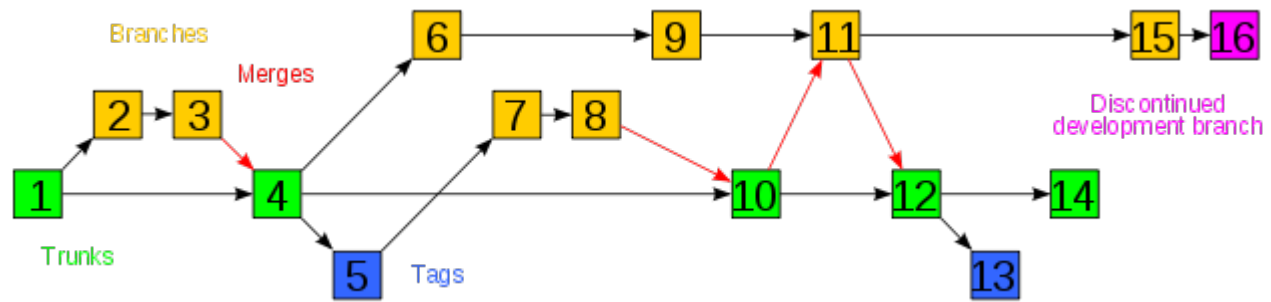
Basic Concepts

- Repository
 - A place that holds all objects and histories
 - Access methods
 - File system `file://URL`
 - SSH tunneling `svn+ssh://URL`
 - Proprietary protocol `svn://URL`
 - Standard protocols `http://URL`, `https://URL`
- Working copies
 - Local, private copies of projects in repository

SVN Tree



SVN project visualization



To view current repositories:

<http://www.nmepscor.org/websvn/>

To import your project into a newly created repository:

```
svn import example
```

```
https://www.nmepscor.org/svn/example -m "Your comment"
```

To checkout your project:

```
svn checkout https://www.nmepscor.org/svn/example
```

Subversion Project Homepage

<http://subversion.tigris.org/>

Windows Client

<http://tortoisesvn.tigris.org/>