

Version Control Systems

◆ CVS

- Most popular / well known / widely used open source version control system
- Somewhat obsolete due to some inherent system limitations
- Subversion, Arch, Monotone
- Commercial
 - Visual SourceSafe
 - ClearCase
 - BitKeeper

Subversion

Pros: A better CVS

- Fixed many annoying aspects of CVS
 - Recursive add, binary file handling, keyword substitution, local diff, status output etc.
- Significant improvements
 - Atomic commit, constant time branching and tagging, better structure design etc.
- Feels like CVS
- Cons: Just a better CVS
 - Does not scale to large, distributed development environments

Common Command Syntax

svn <command> [src_dir] [dest_dir]

Could be local directories or URLs.

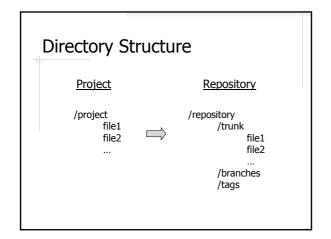
Examples:

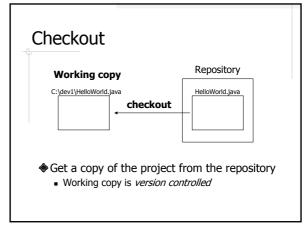
svn ls file:///home/cysun/subversion/cs520

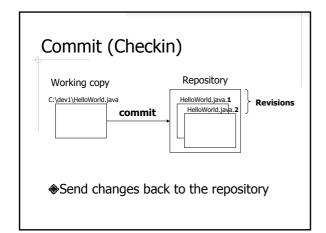
svn log http://cs3.calstatela.edu/cs520

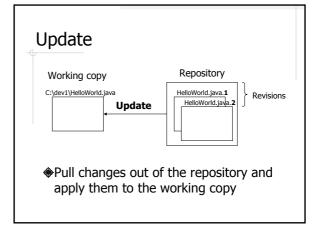
svn checkout svn://cs3.calstatela.edu/cs520/csns/trunk csns

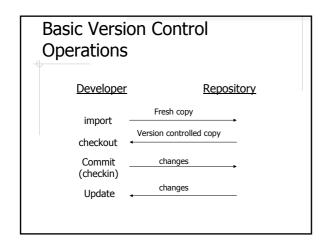
Import C:\dev1\HelloWorld.java import import HelloWorld.java Put a project into a repository

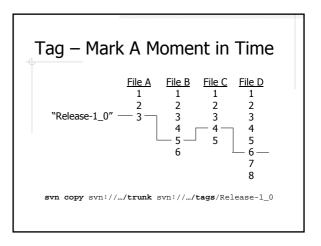


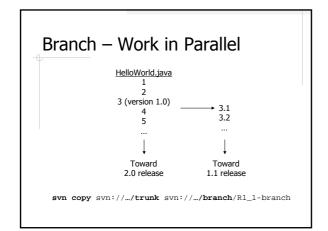


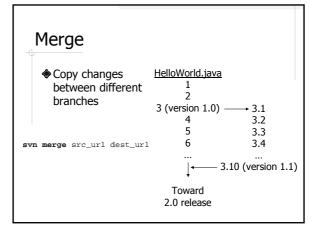


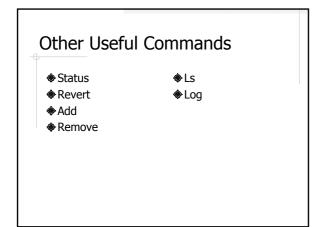












Online Resources ◆The Subversion book http://svnbook.red-bean.com/ ◆Subversion official site http://subversion.tigris.org/ ◆Subversion Eclipse plugin http://subclipse.tigris.org/