

Subversion Experience

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LBL subversion repository

- Interim solution to code development for SuperB fast simulation
 - Major changes WRT BaBar code in PravdaMC
 - Multiple developers → must have a repository
 - BaBar computing did not want these changes committed into BaBar CVS
- SVN was the obvious choice to replace CVS
- Padova repository was not public when we started
- Early use experience is valuable

LBL Repository

- <https://costard.lbl.gov/svn/PACRAT>
- Use apache server (not svnserver)
 - simple and flexible configuration
 - ssl encryption works
 - code browser comes for free
- Use htpasswd
 - users can commit without unix login
 - simple web page allows password maintenance
- Mailman used for commit hook
 - native python, easily scripted

Repository Configuration

- Single repository for 2 (6) packages
- Allow world read access
- Access is currently repository-wide
 - can configure access by-package if needed
- Separate mailman group per package
 - perhaps coarser segmentation?

Consolidation

- No fundamental problems identified
- Need to demonstrate access before moving development work
- Provide access for LBNL sysadmin?
- Use LBL repository as (readonly) Mirror?
- Use LDAP map to find email address?

SVN SRT

- Need tools for package checkout and commit
 - Meaning of 'tag' is different in SVN vs CVS
 - Must enforce policy in a layer above SVN
- Repository creation requires unix access
 - Can we make a tool for that?
- Conventions
 - Repository = TLA?
 - Replace package coordinator with TLA coordinator
 - coordinator approves subscription, grants access