SPI - News and Status Update

CERN, 12.02.2003

Project Portal (savannah)

- Implemented bulk user registration
  - Get a list of users and add/remove them all without registering them one by one
- Integration with AFS authentication
  - Added a PAM module to verify a login against the AFS authentication
  - The user can still define a password not using the AFS password
- Sending back to Savannah our changes, patches and fixes
- http://lcgappdev.cern.ch but will move

Scram

- Improvements
  - restructuring the build system to improve performance
  - possible to use automake/autoconf within a scram project
- Porting to Windows
  - Execution on perl on Windows and usage of nmake (standard Windows installation without cygwin)
  - Import projects into Visual Studio
- Organization
  - a single SPI-managed toolbox service for LCG projects

Testing and QA

- Available CppUnit and Oval, integrated with Scram
- Want to help but need projects to devote time to
- Open to other contributions and users
- Python, with pyunit testing in a week time

- Can also be used by projects not using Scram

SPI components available

- Code Documentation — Doxygen, Lxr, ViewCVS
- Testing Framework — CppUnit, Oval
- Memory Leaks — Valgrind
- Coding and design guidelines
- CVS organization
- Configuration/release mgmt — Scram
- Software documentation templates and workbook

http://spi.cern.ch

What we focus on now (for 1 month)

- Complete what is on the way
- Run services as they are (minor development)
  - Project portal, code docum., cvs servers, etc
- Tutorials
  - Scram (user, developer, admin)
  - Testing Framework
  - Project Portal
- Documentation and Web
  - SPI Workbook
- Support Users
  - Using in SPI all tools, helping in using them
  - Not only in the LCG projects, but open to all project interested
  - Presentation to any project or experiment interested
- Get user feedback for improvements and next version

Next talk

- LCG external software service
- As part of the LCG Software Library