Trilinos Framework Update

10:30 Thursday Nov. 1st, 2012
CSRI 90
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Outline

- Anonymous clone / repository reminders
- SIERRA/Trilinos integration effort
- Future release timing
- Trilinos.org
- Contributor agreements
- BSD licensing
- Branch policy reminder
- Upcoming and ongoing framework efforts
Anonymous Clone

- **Trilinos read-only public repository:**
  - git clone
  - Public repo excludes some files / directories

- **Developer repository reminders**
  - Anything committed to the main Trilinos repository must be approved for unlimited release
    - **New packages:** preCopyrightTrilinos (get approval for package first)
    - **New documents:** TrilinosDocuments, or custom solution
    - Read-only repository includes historical information
SIERRA/Trilinos integration effort

- **Overview**
  - SIERRA maintains a complete, independent copy of Trilinos
  - Current integration process has been broken for nearly 1 year.

- **Status**
  - A new integration process is being defined, and is partially in place
  - Brent has new commits to SIERRA flowing into Trilinos
  - Commits are currently being migrated from Trilinos into SIERRA
  - New machine for testing on the Trilinos side

- **To make the process smooth**
  - Commits to STK and SEACAS should typically be made to SIERRA
  - Commits to other packages should be made to the Trilinos repository
  - Please assist with the effort in a timely manner when requested
Future release timing

Proposal:
- February - 11.2
- June - 11.4
- September - 11.6
- February, 2014 - 11.8
- June, 2014 – 11.10
- September, 2014 – 12.0
Update on securing web hosting
- Contract placed
- Server set up 10/30
- “Test-drive” 10/31

Next steps
- Get basic site in place
- Set up Trac?
- Developer discussion on specifics after basic site setup
Contributor agreements

- **Contributor agreements in draft phase**
  - Approval for general idea from legal
  - Agreement is based on OpenMPI

- **Agreements for**
  - Institutions
  - Individuals

- All contributors will agree to the Trilinos licensing model
- Contributors will add their copyright to their contributions
- Important for improved community development model
BSD licensing

- 34 packages licensed BSD in 11.0
  - 19 packages licensed BSD in 10.8
- 4 more packages ready to convert

Contact me if there are drivers to convert specific packages
Branch policy reminder

- Policy encourages using public branches only when there is a strong reason to do so
- Branch should be prefaced with package name, e.g.
  
  epetra_important_branch_name

- Not prefacing with package name causes email issues
- Full policy:
  
  software.sandia.gov/trilinos/developer/policies/creating_branches.html
Upcoming and ongoing framework efforts

- Move to trilinos.org
- Formal contributor agreements
- “Finish” SIERRA/Trilinos integration
- Teuchos subpackaging (Ross)
- Continue improving Bilder support (Tech-X)
- Improved TPL support (via TriBITS)
- Restore and improve nightly testing
- Continue move to BSD licensing