

Trilinos Framework Update

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CSRI 90

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- 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

- **Trilinos read-only public repository:**
 - git clone
<https://software.sandia.gov/trilinos/repositories/publicTrilinos>
 - 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**

- 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