

Trilinos Framework Update

**1:00 Tuesday May 22nd, 2012
CSRI 90
Jim Willenbring**

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- Next release / code deprecation and removal
- Anonymous clone
- Trilinos.org
- Clang & GCC 4.6/4.7 porting
- SIERRA/Trilinos integration efforts
- Subpackage support
- BSD licensing
- Copyright delays continue
- Subset package distributions make package_source
- HPCLinux



Next release / code deprecation and removal

- **Initial plan:**
 - **11.0 release in June**
- **Who has removed deprecated code since 10.10?**
 - **I don't think some code removal is a showstopper**
- **Tentative plan from Leaders meeting:**
 - **Release 10.12 in June/July**
 - **Release 11.0 in September**
 - **Allows developers more time to**
 - **deprecate code now**
 - **remove code after 10.12**
- **Discussion this afternoon**

- Several documents were identified for exclusion
- New SVN repository created for documents
- Candidate clone will be available after documents are filtered or removed

- Solution identified at U of Indiana
- More general solution being sought
- Would benefit from additional staffing

- **Clang compilers**
 - Fast
 - New nightly build
 - SIERRA wants to build with Clang
- **GCC 4.6**
 - Nightly builds in place
 - SIERRA looking at for default compiler
- **GCC 4.7**
 - Required minimum version for ForTrilinos
 - Starting to see mail list inquires



SIERRA/Trilinos integration efforts

- Integration testing currently stalled
- More testing to be owned by the Trilinos Framework team
- New dedicated machine
- Significant progress on updated integration model



Subpackage support

- Subpackage support added last year
- Any plans to use subpackages this year?
- Impediments (other than time)?



BSD Licensing

- 30/50 packages licensed BSD in 10.10 (19 in 10.8)
- At least 4 more packages ready to convert

Copyright delays continue

- Stalls at multiple points in the process
- No significant improvement from last year



Subset package distribution support added

- Configure with required set of packages
- ‘make package_source’

HPCLinux

- <http://hpclinux.com/>
- Virtual machine/Live DVD with Trilinos installed
- Summer student contributing Trilinos example layer
- May add an Optika GUI
- Plan to use for upcoming Trilinos tutorials