Trilinos Users Group Meeting October 30, 2012 Bill Spotz, 1442

USER EXPERIENCE CAPABILITY AREA



SAND 2012-9341C

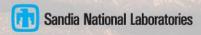
User Experience Capability Area

- Established May, 2012
- Scope:
 - Skins: CTrilinos, ForTrilinos, PyTrilinos
 - Tutorials, Examples: Didasko, Galeri, wiki, hands-on tutorials
 - Interoperability Layers: Stratimikos, Piro, Albany, Playa
 - Documentation: trilinos.org, ..., individual packages

Approach:

- Listen to users
- Respond to users
- Leverage current research & understanding

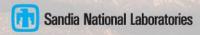




What Makes Trilinos Hard to Use?

- Everybody probably has an opinion on this...
- The real questions: How do we elicit these opinions, organize the results, and act upon them?
 - Discussions with Frank Chen, 8953
 - Interview summer students
 - Interview application developers
 - Currently assembling list of Trilinos Users (Jim Willenbring)
 - Would like to establish a "Trilinos usability liaison"





Other Initiatives

Stratimikos refactoring

- Design document (Eric Cyr)
- Meeting during Trilinos Spring Developers Week
- •

EZ Trilinos

- Design session during Trilinos Spring Developers Week
- I did not act upon the resulting design document...
- Should be revisited

Documentation

- First push should be associated with trilinos.org
- Including tutorials

PyTrilinos

- Enthought SBIR
- Expansion into 2nd generation Trilinos packages, templates, ...
- ODIN and Seamless



