

Framework and Tools

Trilinos Capability Area

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- **Overview**
- **Trilinos documentation**
- **Recent advancements and changes**
- **Near-term plans**
- **Package list**

- **General Resources**
 - Tools
 - Build and test infrastructure
 - Documentation
- **Assist users and developers with using, or learning to use, Trilinos**

- **Trilinos Home page:** <http://trilinos.sandia.gov>
- **Trilinos Capability Areas:**
http://trilinos.sandia.gov/capability_areas.html
 1. Framework & Tools
 2. Software Engineering Technologies and Integration
 3. I/O Support
 4. Discretizations
 5. Meshes, Geometry, & Load Balancing
 6. Scalable Linear Algebra
 7. Linear & Eigen Solvers
 8. Embedded Nonlinear Analysis Tools

■ Trilinos user documentation:

<http://trilinos.sandia.gov/documentation.html>

- ♦ Trilinos overview document
- ♦ Trilinos CMake Quickstart
- ♦ Tutorial
- ♦ Makefile.export / FIND_PACKAGE(Trilinos)

■ Other Trilinos documentation

- Package-specific user guides and Doxygen documentation
- Getting started page for new users

http://trilinos.sandia.gov/getting_started.html

- Developer resources
 - ♦ Policies
 - ♦ Process checklists



Recent Advancements and Changes

- Trilinos 10.8 release
- Significant percentage of BSD-licensed packages
- Improved Find_Package(Trilinos)
 - Now uses CMake “targets”
 - Adheres more closely to the standard
- Subpackages (not widely used yet)
- Updated tutorial / WebTrilinos installation
 - <http://code.google.com/p/trilinos/wiki/TrilinosHandsOnTutorial>
 - On-demand video of user sessions available after TUG



Near-Term Plans

- Move to trilinos.org
- Continue move to BSD licensing
- Subset package distributions
- Improved TPL support
- Windows installer
- Exploring Trilinos VM support through VirtualBox



Package List

- **Didasko**
 - Trilinos tutorial package
- **Galeri**
 - Generate distributed linear systems
- **Teuchos**
 - Set of common tools for Trilinos developers
- **TriUtils**
 - Utilities for Trilinos packages