egee

Enabling Grids for
E-science in Europe

www.eu-egee.org

Project Technical Forum

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NA4 Meeting (Catania)

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PTF Mandate

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- ## Requirements
  collect, manage, prioritize

- ## Service APIs
  control changes

  promote common solutions

- ## External Collaboration
  other grid projects

  standards bodies

- *Merge requirements* and use cases from the application, security, and operations groups.

- *Manage the evolution* of the requirements and use cases.

- *Prioritize the requirements* and verify if (and how) the defined use cases are satisfied by the EGEE architectural design.

- Review the grid *service specifications* and *control changes* to those specifications and external interfaces.

- See and *promote common solutions* where commonalities exist in the middleware or application domains.

- *Promote convergence* with other grid projects by incorporating requirements from external projects using (or hoping to use) EGEE software by discussing the EGEE design with other projects.

PTF Members

- **NA4**
    - C. Loomis
    - M. Lamanna (HEP)
    - J. Templon (HEP)
    - J. Montagnat (Bio)
    - C. Blanchet (Bio)
    - R. Barbera (Generic)
    - G. Andronico (Generic)
    - E. Fede (Testing)
- **SA1**
    - M. Schulz
    - A. Ferraro
- **SA2**
    - A. Sevasti

- **JRA1**
    - E. Laure/F. Hemmer
    - P. Kunszt
    - F. Pacini
    - A. Dajoui
    - A. di Meglio/L. Guy
- **JRA3**
    - D. Groep
    - O. Mulmo
- **JRA4**
    - J. Orellana
- **Industry Forum**
    - B. Carpenter

Service API Management

- Control *external* interfaces!

  Close collaboration with JRA1 design team.

- Interoperability:

  Clients in many languages.

  Alternate service implementations.

- Interface Descriptions

  WSDL (WS-I compliance)

  Strong preference for thin clients.
  - minimizes number of interfaces
  - maximizes client portability

  Fat clients
  - possible if necessary (much simpler user API, etc.)
  - server, client, and algorithms become part of standard

Service API Management

- Proto-module available:

  http://grid05.lal.in2p3.fr/svn/wsdl-mgt/ (subversion)

- Checks:

  WS-I service description test suite

  Language bindings:
  - Java
  - C++
  - Python
  - Perl

- Documentation

  Javadoc-style (interfaces and types)

  http://grid05.lal.in2p3.fr/wsdl/api/

- No consensus yet...

Requirements

- Requirements Database:

  http://egee-na4.ct.infn.it/requirements/

  Others activities willing to use tool.

  Enhancements requested (service links, versioning, ...)

- Refining requirements:

  Dialog between users, developers, testing folks.

  Use savannah for bugs/clarifications.

PTF Contacts & Issues

- PTF Savannah Project

  https://savannah.cern.ch/projects/egeeptf/

  Mailing list: project-egee-ptf@cern.ch

  Agendas: http://agenda.cern.ch/displayLevel.php?fid=328

- Issues:

  Sign-up in savannah.

  Review architecture and design documents.

  Get other requirements into DB.

  Get agreement on how to handle service APIs.