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eGee

Enabling Grids for
E-science in Europe

www.eu-egee.org

PTF Work Plan

C. Loomis (LAL-Orsay)
PTF Meeting (CERN)

Contents

- Overview
  - Reqs./Use cases
  - Service Defn.
  - External collaboration
- Urgent
  - Information Sources
  - Procedures
  - Policies
  - Tools
- Slightly Less Urgent
  - Evaluation of Design
- Others…

Requirements

- Evolution

  Better understanding of scientists' needs.

  Changes in stated needs.

  Response to experience with implementation.

  Discovery of tacit requirements.

- Sources

  Already collected by you.

  Availability/Deadlines...

- Questions:

  What are the stages of the "lifecycle"?

  How to prioritize requirements?

  - By need, by date, by ...?
  - How to enforce prioritization?

Requirements

- Questions (cont.):

  What tools to manage requirements/use cases?

  - Dependencies
  - Conflicts
  - Use case/requirement links
  - Service/applicable requirements links

  Who decides when a requirement is satisfied?

  - PTF for "functional" requirements?
  - Testing group(s) for performance requirements?
  - ...

  How to enforce administrative/design requirements?

  - Open source license
  - Documentation
  - ...

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- Evolution
  - As implementations mature.
  - As services merge/split.
  - Response to experience.

- Sources
  - Architecture document.

- Questions:
  - How to specify service APIs?
    - Abstract form (e.g. UML)?
    - Concrete form (WSDL)?
  - What is a complete service definition?
    - Methods and types.
    - Exceptions.
    - Schema of exposed state.

Services

- Questions (cont.):

  Semantics
  - Method flow/state information.
  - Via documentation?

  Compatibility with existing/emerging standards?
  - e.g. WS-I, WS-…, WSRF, …

  Required functionality?
  - Versioned service APIs?
  - Ping functionality?
  - Internationalization?

  Tools for tracking/versioning changes?

External Collaboration

- **Other Grid Projects**
  - National projects.
  - EU projects.
    - Client projects
    - Provider projects
  - Global Projects

- **Standards Bodies**
  - OASIS (WS)
  - GGF
  - IETF

Sort EGEE affairs first, but...

Stay aware of outside developments.

Conclusions

- Urgent (decide now, implement ASAP)

  Tools/policies for requirements/service APIs

  Review of documents

  - Architecture
  - Operations
  - Common Application Interface

- Slightly less urgent (~Sept.)

  Evaluation of design in full swing...

  Full interaction between apps & middleware.

- Interactions with outside groups (after 1st release).

  Participate now, but...

  Bring "real world" experience after release.