WP4 / ATF

ATF meeting, 9/4/2002

German.Cancio@cern.ch

Outline

Analysis of WP4

- Dependencies on external Software
- Dependencies on SW provided by other WP's
- Vagueness of responsibilities/ holes in functionality between WP's
- Redundancy/duplication of WP's

Analysis of WP's: WP4 (I)

(Runtime) Dependencies on external Software

- LCFG
- Globus:
  - gatekeeper/GRAM
    - No feedback from Authorization group on LCAS component
  - MDS-2 info provider specification
  - (what will be the impact of Globus3 and the OGSA?)
- Operating system
  - RH Linux -> RH62, RH72. Support for 6.2?
  - Solaris…?
- Batch systems
  - LSF, PBS
  - Condor from release 1.4 on
- Future dependencies to come:
  - database and GUI for monitoring (TBD)

Analysis of WP's: WP4 (II)

Dependencies on SW provided by other WP's

- Packaging (SW packaged according to WP4 standards and rules)
  - vs. Globus GPT and others…
  - Wider question: what WP's are *mandatory* to deploy??
- Service management: provide LCFG component [wrapper] for your services
- In the future: R-GMA && WP4 information providers
  - Changes on the schema?
  - Changes on the invocation model (push/pull) and output format?
  - Again: impact of OGSA

Analysis of WP's: WP4 (III)

Vagueness of responsibilities/ holes in functionality between WP's

- Accounting (at global and local=fabric level).
  - What info is needed from the fabric?
  - For what purpose? (authorization, grid banking?)
- MPI
  - Inside a fabric farm
  - Between fabric farms
- Interactive jobs
- (not related to WP4…) Management of storage capacity on cluster CPU nodes?
  - Use local disk space for (unreliable) replicas
- Schema definition (GLUE work)

Analysis of WP's: WP4 (IV)

Redundancy/duplication of WP's

- Monitoring
  - Schemata and interface for sensors
  - Presentation of monitoring data