LHC Computing Grid Project – LCG

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GTA Relationships

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Overview

- GTA has had a role of understanding the possibilities afforded by the technology suppliers and has worked to build up a number of important relationships.

- Given the LCG is a world-wide project we have considered it essential to work with the current and emerging technology suppliers.

- Key relationships include:
  - Globus
  - VDT
  - UK eScience
  - IBM
  - EGEE

- These will be described in some more detail

Middleware Relationships

- **Globus**
  - Enhanced relationship through the OGSA engineering activity based on joint problem solving and testing.
    - Much confidence building done

- **VDT**
  - Recent meetings held in Wisconsin and CERN to understand the role of VDT in future systems (e.g ARDA).
    - Much synergy and opportunity to combine the best of different developments.

- **UK eScience**
  - Tracking the activities of the "Core" e-science developments as part of the Software Engineering Advisory Group (SEAG).
    - Intention is to develop robust and "production" middleware.

- **IBM**
  - Evaluating the GT3 offering as part of the OGSA engineering effort.

EGEE

LCG

- Decision was taken to combine the GTA and the EGEE middleware activity
    - Much mutual dependence and synergy of the two projects
    - Multiple middleware activities creates confusion
    - EGEE will have considerable manpower for technology developments
- But there are issues that will need working out as we go along
    - Does the world wide focus of the LCG and the European focus of the EGEE mix?
    - Will there be conflicts of priorities?
    - Can the technology of a long term project (LCG) come from a short term project (EGEE) and how will it be supported?
- The LCG management is represented in the EGEE activity through the EGEE Project Execution Board (PEB)
- Much more will be said about EGEE in the next presentation which will present the main process and strategy of the middleware activity.

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