

We make sure



GRID Computing

The Fujitsu Siemens Computers Perspective

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Fujitsu Siemens Computers

- **Founded:** October 1, 1999
- **Based in:** Maarsse, Netherlands
- **Shareholders:** Fujitsu Limited, Tokyo (50%)
Siemens AG, Munich (50%)
- **Product and solution portfolio:**
Handheld, notebooks, pen tablets, PCs, workstations, Intel- and UNIX-based servers, mainframes, storage solutions, IT infrastructure solutions
- **Strategic direction:**
Mobility and Business Critical Computing
- **Operating figures:**
Fiscal year: April 1 to March 31
Revenue for FY 2004/2005: €6.018 billion
Employees: about 7,000

The New Business Impact of GRID

- The “traditional” style of GRID Computing is
 - oriented towards numerical applications in science and engineering
 - applicable to a small niche in overall IT (< 5% of server-workload)
 - not in the focus of corporate IT-decision-makers

- The Enterprise GRID approach constitutes
 - the extension of GRID to transactional business applications
 - a new paradigm to optimize corporate IT in terms of TCO (utilization, standardization, automation), agility and investment protection
 - a long-term vision that is relevant for all large-scale IT deployment

- The evolving new GRID paradigm creates
 - a new market scenario for servers, storage, networking, middleware and tools

The Present State of Enterprise GRID

- Enterprise GRID Computing is now a viable option for IT-infrastructure deployment in areas of “proven solutions”
 - Key concepts are Virtualization, Dynamic Provisioning and Automation
 - Infrastructure solutions are entering the market, focusing on ERP-applications in the growing J2EE segment.
 - The adoption of such GRID solutions is driven by a significant TCO advantage and highly increased platform flexibility.
- Existing solutions are vendor-specific, there is no accepted set of GRID standards and concepts that could provide interoperability
- The *Enterprise Grid Alliance* (EGA) has been created to remove these obstacles and accelerate Grid adoption in the enterprise

Role and Status of the EGA

- An open independent vendor-neutral industry consortium
 - launched on April 20, 2004
 - now 30+ member companies: vendors and users
 - 9 board-members: EMC, Datasynapse, Fujitsu Siemens Computers, Intel, HP, NEC, NetApp, ORACLE, SUN
 - Global, headquartered in the USA, regional steering committees in EMEA and Japan
 - Focused on collaboration and liaison with existing bodies
- 3-phase technical strategy
 - Core capability – extend & include – unify and complete
 - presently 5 technical working groups: reference model, component provisioning, data provisioning, utility accounting, grid security
- Reference Model V.1.0 published on May 13, 2005

Expectations about the CoreGRID IAB

- Alignment of GRID research with market (end-user) requirements
 - focus on relevant use-case scenarios, thus increasing the set of proven solutions to eventually approach the utility vision
 - analyze the economic value of GRID in specified usage scenarios and derive priorities
- Alignment of GRID research with existing industry trends
 - to avoid overlapping activity
 - to identify those areas where research can maximize its value-add
- Drive standardization efforts into the GRID community to arrive at a common understanding of technology, concepts and terminology

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Thank You

for Your Attention

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