

Grids, ISVs and Finance: Takeaways from the Field

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4th EGEE Conference – Industry Forum Panel - 25th Oct 2005

Agenda



- > Global Grids and the Enterprise
- > OGSA Everywhere?
- > A Financial Services Case Study
- > ISVs and Grids

Global Grids and the Enterprise

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- > Are Global Grids really beneficial for Enterprises ?
 - think about a financial org
- > Claim: most of the benefits can be obtained through a combination of distributed computing technologies
 - most of media/marketing hype about Grids is in this space
 - agility, flexibility, scalability, resiliency via redundancy ...

A Pragmatic View

**“If it's distributed, connected
by network, managed by
middleware, it's a Grid”**

W. Gentsch, D-Grid

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- > Actually, SOA != Web Services
 - Example: Jini – see JGrid.jini.org for a SOA Grid framework
- > OGSA model too heavyweight within the Data Center
 - you may always add OGSA Gateway later to achieve interoperability when really needed

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 - automatic provisioning, fault detection and recovery via Jini and Rio – see rio.jini.org

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- > Port to Grid framework based on Jini/Rio
 - distribute data to compute caches, with spares
 - automatic provisioning, fault detection and recovery via Jini and Rio – see rio.jini.org
- > True business results
 - 2x better throughput, 4x better TCO, recovery time down 9x

ISVs and “Grids”

- > Sweet spots have been taken already
 - tech apps for Enterprises using parameter sweeps
 - tech apps for Enterprises using parallel computing
 - tech apps include EDA, MCAE, Oil & Gas, Biotech, DCC (e.g. rendering engines) and Financial Computing

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 - despite many years of academic research, DB partitioning is not mainstream yet
- > Initiatives to steer the Developers community at large



java.net > Partner > Sun >

About Sun Grid

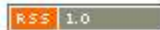
- Overview
- Product Overview
- Data Sheet

About Our Community

- Overview
- Projects
 - About Our Projects
- Community Governance
- Community Charter

Pilot Project - Now Available

- Project
- Login to Sun Grid



Welcome to the Sun Grid Developer Community!

The Sun Grid Developer Community is a catalyst for the emergence of standards, infrastructure, architecture and partnerships for the Sun Grid pay-as-you-go, utility computing ecosystem. There are many tools and resources available in our community to help you get started using Sun Grid technology. Check out the projects in our project space for useful utilities and examples.

The Sun Grid is an a open, grid-based computing infrastructure available on a pay-per-use basis. This utility model gives you more choice and control of how you purchase and leverage IT power, enabling you to use Sun's computing power as you need it, without the long-term lifecycle costs related to capital, management, depreciation, and floor space. Sun Grid can radically simplifies the way you select, acquire, and use next generation IT infrastructure.

NEW ! Introductory Presentation of Sun Grid Strategy, Guiding Principles, and Architecture

JOIN ! Pilot Project and get 100 Free CPU-Hours on the Sun Grid

LEARN MORE ! Download the Sun Grid Community Overview Webinar (6.4MB)

WHY [Join the Sun Grid Developer Community FAQs](#)

Features

Community Log-in

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News

Sun Invites Support for Sun Grid
 Sun Microsystems Inc. is hoping to entice more developers and software

... just announced at GridWorld 2005!

Sun Grid Utility and Finance

- > CDO2 trial deployment
 - pricing and risk calculation financial app offered as a service
- > Procurements for 1000s x64 CPUs in pay-per-use mode to be announced
 - large US Bank
 - large German Bank
- > Range of projects within JPMorgan

Thanks!

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