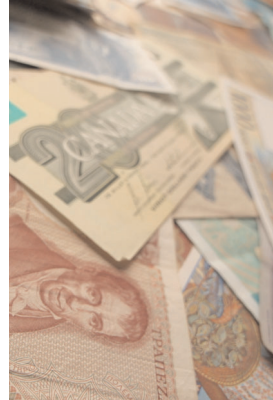


Grid Computing in Financial Services

Putting The Sun Solution for Grid Computing to Work



The Sun Solution for Grid Computing allows you to focus on maintaining a competitive edge while Sun helps provide effective Grid Computing infrastructure that works right the first time.

Retail Banking

- Improved productivity and service levels
- Cost savings through better utilization of diverse heterogeneous IT resources
- More resources for critical end-of-day processing and regulatory requirements

Capital Markets

- Better business agility with faster time-to-market
- Faster risk analysis and pricing of exotic derivative products
- Better granularity for both market and credit risk assessment
- Harness previously-untapped resources on a global scale
- Better analysis of market exposure for regulatory purposes

Insurance

- Faster and more comprehensive actuarial analysis for claims reserves, financial reporting, and new product development
- More reliable management of claims reserves for profitability and compliance
- Ability to instantaneously extract valuable customer information

Regulatory Compliance

- Scalable computational resources to help address systemic and operational risk (USA Patriot Act, Sarbanes-Oxley, Basel II, NYSE Rule 92)

“Our Sun Solution for Grid Computing allows us to process more scenarios, crunch more numbers, and better assess market risk. Essentially, with our grid, we are doing more, doing it better, and doing it cheaper.”

— *Jim Green, VP Corporate Financing and Risk Management, Technology and Solutions, BMO Financial Group*

Using Technology to Better Predict the Future

Successful financial services firms are constantly seeking insight into risk. Banks, traders, insurance companies and other institutions must perform effective and timely risk, credit, actuarial, and portfolio analysis to survive and compete in a complex and highly-regulated marketplace. With cost, compliance, and opportunity driving financial services, Grid Computing technology has become an essential element in financial services IT infrastructure.

Making better and more profitable decisions means evaluating many different positions and potential outcomes — requiring volumes of complex and time-consuming calculations each trading day. At the same time, the concept of operational risk has emerged from an increasingly stringent regulatory climate as well as from technology itself. Together, the Basel II accords, the USA Patriot Act, and the Sarbanes-Oxly Act promise to drastically increase the need for computational analysis in the financial services industry. Effective market, credit, and operational risk assessment demand truly massive computational capacity that only Grid Computing can provide.

Like all businesses, financial services organizations realize that they must derive full value from their information and IT infrastructure, while managing the risks that both information and technology pose to the organization. With the complexities that come from mergers, consolidations, and global operations, many are recognizing that “enterprise risk management” can help improve the efficiency of IT infrastructure. Grid Computing technology can play an essential role, increasing ROI while helping to ensure that IT infrastructure directly supports the strategic needs of the business.

Choosing the Sun Solution for Grid Computing

Grid Computing is about getting the most from your resources, using technology effectively to accomplish previously impossible tasks that directly advance the goals of the business. For finan-

The Sun Solution for Grid Computing

In one test with the new grid system, technicians at Societe Generale's Corporate Investment Bank performed a pricing calculation in 20 seconds that normally takes 13 minutes

cial services, Grid Computing provides faster and more timely analysis while lowering costs and simplifying operations. The result is highest levels of power, flexibility, and agility — and ultimately, competitive advantage.

"We found that the Sun Solution for Grid Computing offered the flexibility to leverage our existing compute resources, and the compute power to give our analysts a competitive advantage."

— Saar Friedman, developer,
Risk Management Group, BMO

As a leader and innovator in Grid Computing technology, Sun's considerable experience and expertise make it the ideal partner for deploying Grid Computing in your organization. Sun's complete Grid Computing Solution gives you the very latest in hardware and software technology, delivering a cost-effective, efficient, and flexible solution that fits your specific needs. With thousands of successful Sun Grids already installed, and with key Java™ and Jini™ technology, Sun is also helping to drive the future of Grid Computing into new areas and applications.

Together with key partners and leading ISVs, Sun and Sun Services can provide a complete and interoperable solution that works right the first time, and adapts and scales to meet future business needs. Services include:

- **Workshop:** Identify your related business and technical issues and explore opportunities provided by Grid Computing technologies
- **Assess:** Analyze current and anticipated service-level and business requirements, evaluate potential solutions, and recommend an implementation roadmap
- **Architect:** Provide design specifications for your Grid Computing production environment(s), including hardware/software components and management/operational requirements.
- **Implement:** Install, configure, and integrate the agreed-upon architecture, from simple systems to complete global grids, and provide a start-to-finish solution.

Sun Reference Architecture for Grid Computing and Sun™ Customer Ready Systems

Sun Reference Architectures provide complete architecture, implementation, and sizing guides for Grid Computing deployments.

Reference architectures are extensively tested on real workloads using best-of-class Sun and third-party hardware and software to decrease the complexity of your decision-making and deployment while simultaneously increasing reliability and lowering your risk.

The Sun™ Customer Ready Systems (CRS) program delivers Grid Computing solutions built in Sun factories and based on your specifications. Sun CRS also offers a broad range of services to deliver complete life-cycle infrastructure management.

Hardware and Software Components

Whether your grid is office-wide, or world-wide, using the Solaris™ Operating System or Linux, Sun has the Grid Computing systems, access systems, high-speed interconnects, data storage solutions, and servers to meet your business computing needs. Sun offers a flexible range of powerful, heterogeneous, clustering, resource management, system management and provisioning, and storage management software to help you run your grid with maximum efficiency, reliability, and value.

For more information on the Sun Solution for Grid Computing, contact your Sun representative or iForce Partner to start building your Grid Solution today.

Phone 1-800-555-9SUN or 1-650-960-1300
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