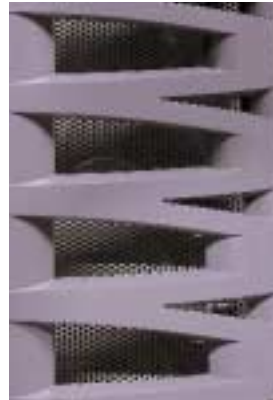


# Grid Computing Solution for Oracle on Sun

Rapidly delivering a tested, tuned, highly optimized Solution that makes it possible for you to achieve impressive cost savings.



## ORACLE®

### *Company/Organization*

Oracle Corporation  
[www.oracle.com](http://www.oracle.com)

### *Industry Solutions*

- Oracle Real Application Clusters (RAC) 10g
- Grid Computing Solution for Oracle on Sun

### *Key Business Needs*

- High system availability
- Reduced costs
- Robust, scalable platform

### *Business Results*

- Ensures high system availability by providing fail-over mechanisms and redundancy to eliminate single points of failure
- Reduces acquisition costs, deployment and operations costs, and total cost of ownership
- Allows incremental scaling of systems and increases resource utilization by adding small, inexpensive servers
- Enables flexibility, allowing you to easily reallocate compute resources and bandwidth based on business requirements
- Choice of operating systems: Solaris™ 9 OS (x86 Platform Edition), Red Hat Enterprise Linux, and SUSE Linux Enterprise Server. Also certified to run Microsoft Windows Server 2000 and 2003

Most IT organizations are under mounting pressure to deploy reliable, high-performance application and database –solutions with severely constrained capital and expense budgets. These organizations are expected to find ways to contribute to the competitiveness of the corporation by offering new or improved services: services to internal employees who need better and faster access to business information; and services to external customers who, for example, want more sophisticated tools for online banking.

### **Uncompromising Choice, Innovation, and Value**

The Grid Computing Solution for Oracle on Sun provides a high-performance, high-availability, enterprise-grade application/database deployment in a cost-effective grid environment using Solaris™ 9 OS or Linux running on Sun servers. This solution offers a robust, scalable platform that increases customer service levels at a lower total cost of ownership (TCO).

### **Offering Best-of-breed Technology**

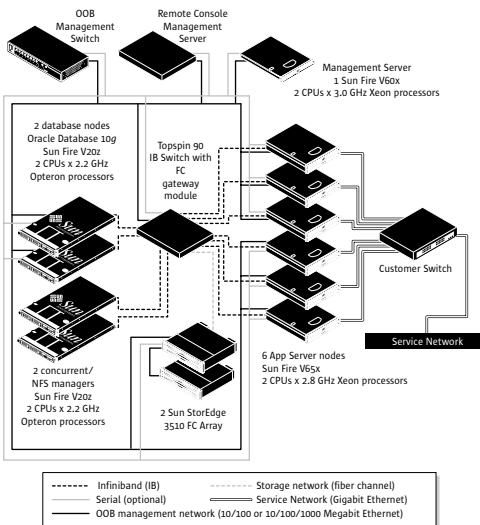
The Grid Computing Solution for Oracle on Sun provides products, tools, training, promotions, and technology expertise to give you a tested, optimized solution that lowers the barrier to entry in the grid computing space. The solution consists of low-cost servers and other components that, in combination, provide massive horizontal scalability, high performance, and high availability:

- Sun Fire™ V40z or Sun Fire™ V20z Opteron-based servers running Solaris 9 OS or Red Hat Enterprise Linux 3
- Oracle Real Application Clusters (RAC) 10g
- Oracle-certified Solaris x86

The Sun iForce™ Competency Center for Oracle designed, integrated, tested, and tuned a reference architecture using Oracle E-Business Suite 11i on an Oracle 10g instance. The testing measured throughput, performance, utilization, and user-level support for the Forms Server and Concurrent Manager Server components of Oracle E-Business Suite 11i. The test results

## Solution Hardware and Software Specifications

supported the conclusion that this solution can deliver SMP-level performance and throughput for database and transaction-based applications at a lower cost.



### Sun ERP Grid Reference Architecture for Oracle 10g

### Trusted, Industry-leading Partners for Over Two Decades

The Grid Computing Solution for Oracle on Sun offers a choice of low-cost solutions based around Sun's hardware platform running Oracle Real Application Clusters (RAC) 10g. Formally defined as high-performance test computing, grid computing was associated with academics, government, and scientific

research. Today, it is making inroads into businesses everywhere as a solution that is lowering the entry point for companies to get the most powerful, flexible capabilities out of their computing environment with minimal cost. Sun and Oracle have joined their grid technology vision to offer a solution that creates competitive advantage for organizations of all sizes, in all industries. Sun and Oracle take network computing to the next level through the power of grid computing.

Partners for more than twenty years, Sun and Oracle deliver tightly integrated enterprise and data center-class solutions, Internet-enabled ERP applications, and superior decision support and data warehousing environments. Because Sun and Oracle develop and collaborate at every level, Oracle products are highly optimized for the Sun platform, delivering innovation, performance, and reliability to specific business environments. In fact, Oracle has chosen Sun as the platform of choice to run their business and has saved more than \$2 billion in overall IT costs. The Sun and Oracle partnership has a proven record of innovation and joint developments, resulting in sustained investment protection, performance optimization, and advanced capabilities – making the Grid Computing Solution for Oracle on Sun the optimal platform to deliver long-term business solutions.

The following components were used by Sun and Oracle engineers to develop a tested and optimized reference architecture demonstrating the power of grid computing with Sun and Oracle technologies:

#### Hardware Components

- Sun Fire™ V20z
- Sun Fire™ V65X
- Sun StorEdge™ 3510 with
- FibreChannel Array
- Sun Rack 1038

#### Software Components

- Red hat Linux 3.0
- Sun Management Center
- Concurrent Manager Software
- NFS Server Software

#### Third-Party Components

- Topspin 90 InfiniBand Switch and HCA
- Topspin Element Manager 1.1.3
- Oracle Database 10g RAC and Oracle Cluster File System, version 1.0.9-PROD
- Oracle 10g Application Server (v11.5.9)
- Red Hat Linux 3.0
- Cisco Catalyst 2750G-24-T Ethernet Switch to Management Network Catalyst 2750G-24-T Customer Switch to Service Network
- Oracle E-Business suite 11i, Release 9

Get the details.

For more information, please go to [www.sun.com/oracle](http://www.sun.com/oracle)