

# Sun Microsystems and PeopleSoft, Inc.

## Delivering Solutions Optimized For High-Volume Online Financial Applications



### Key Highlights

- More than 1800 joint implementations of PeopleSoft applications on Sun systems more than any other UNIX vendor.
- Sun has been the leading UNIX vendor for PeopleSoft applications since 1996.
- Sun supports new world-record number of users for the PeopleSoft Financials benchmark.
- Sun Fire Enterprise servers are optimized for the challenges of the real world.
- Up to 2x better performance with UltraSPARC IV technology over Sun's previous-generation servers in the same footprint.
- Sun's iForce Competency Center is established to integrate, test, and optimize Sun systems for PeopleSoft applications.

Every decision you make in your organization is based on careful analysis of the information on hand. It's critical, then, that you have access to relevant, reliable, and timely financial data and strategic insight — so you can make better choices more quickly, saving money in the process.

You can with PeopleSoft's best-of-breed applications, designed to enable the real-time enterprise, empowering you with global visibility, real-time control, and critical insight to make smarter, faster financial decisions. Running PeopleSoft applications on Sun Fire™ servers and the Solaris™ Operating System (OS) provides the secure and adaptable foundation that you need to ensure business continuity and ongoing efficiencies. That's why there are more than 1800 joint implementations of PeopleSoft applications on Sun systems — more than any other UNIX® vendor.

### Optimized For Your Business

Commercial companies have traditionally deployed servers due to three top business drivers: access needs, business logic needs, and database needs. Sun has designed a complete line of compatible systems to address these needs analyzing web-centric, application-centric, data-centric, and compute-centric workloads. Our data-centric systems are optimized for running Online Transaction Processing (OLTP), Enterprise Resource Planning (ERP), Customer Resource Management (CRM), Supply Management (SCM), and Data Warehousing applications.

Transaction-based database environments present a difficult challenge for IT managers because the demands on the system can fluctuate dramatically depending on the number of users accessing the system at any given time. OLTP applications are often revenue-generating systems that demand predictable service levels even at

peak loads. Furthermore, security and high availability are key factors as there are often regulatory requirements placed on the transaction integrity often in a 24x7 environment.

The nature of these applications requires systems that are reliable and have the ability to adapt to changing business conditions and high transaction volumes. The ideal server should provide predictable performance for all users, have massive threading scalability to handle peak user loads, and offer a secure environment where the data will always be protected in a cost effective way. The highly scalable Sun Fire Enterprise systems are optimized to deliver on these requirements and, as evidenced below by the latest world-record benchmark results, have proven to be the best platform for running the PeopleSoft Financials application.

The Sun Fire Enterprise servers, based on the industry-leading Solaris OS and UltraSPARC® IV technology, offer 2x the performance of Sun's previous generation

servers in the same footprint. The compact Sun Fire E2900 server delivers breakthrough price/performance for compute intensive applications requiring enterprise-class features—including Dynamic Reconfiguration, hot swappable CPU/memory boards, remote monitoring, and redundant (2N) power supplies.

The Sun Fire E4900 and E6900 servers are designed to deliver mission-critical service-level agreements (SLAs) through full hardware redundancy, Dynamic Reconfiguration, and Predictive Self-Healing. To protect customer investments, the Uniboard CPU/memory boards are hot swappable across the Sun Fire E4900–E25K line and UltraSPARC III and UltraSPARC IV processors can be mixed and matched in these systems. Ideal platforms for consolidation, Sun Fire E4900 and E6900 servers feature both Dynamic System Domains and Solaris Containers for maximum resource optimization.

### Unparalleled Performance

Sun achieved a world-record number of users when running the PeopleSoft Financials 8.4 Online application using Oracle9i and Sun Fire E2900 and E4900 servers<sup>1</sup>. This result makes Sun the UNIX leader for scalability and performance on high-volume, real-world OLTP workloads for PeopleSoft Financials, including more complex transactions, schema, and operations as well as transaction measurements. A combination of Sun Fire E2900 and E4900 servers, Sun StorEdge™ 6120 and the Solaris OS demonstrates that the Sun UltraSPARC/Solaris platform is optimized

	5000 Users	10,000 Users	15,000 Users
<b>App/Web Servers</b>	x 3	x 3	x 3
App/Web Server CPU	28%	53%	83%
App/Web Server Memory	17.3 GB	20.8 GB	28.3 GB
<b>DB Server</b>			
DB Server CPU	14%	31%	49%
DB Server Memory	11.3 GB	11.3 GB	11.1 GB

The values for the Application/Web servers are the average across all three machines.

for OLTP in highly secure, highly available environments, enabling organizations to meet their SLAs and maximize return on investment (ROI).

In fact, the Sun platform hosted a world-record number of users—15 percent better than the closest competitor. During this benchmark, tens of thousands of transactions represented many real workloads that might be found in a customer data center environment. Sun's midrange systems provide significant headroom and investment protection in handling the peak loads of the most demanding financial transaction environments. The Sun Fire E2900 and E4900 servers used in this benchmark are high-performance systems that can handle such a wide range of workloads, which is the reason they are among the most favored platforms for financial online implementations.

The benchmark measured client response times for a single user, 5000, 10,000, and 15,000 concurrent users using a standard "small" data composition model. The goal of this benchmark was to obtain scalability performance data for PeopleSoft Financials 8.4 Online on Oracle 9i and Sun Microsystems' servers. (See table.)

### An Unbeatable Alliance

For more than ten years, PeopleSoft and Sun have been working together to build complete solutions that will help you run your business better. Today, we're putting in solutions for organizations in a wide range of industries—including Education, Government, Communications and Media, and Financial Services—all over the globe. Some of the biggest and most innovative companies in the world run PeopleSoft applications on Sun systems.

Sun has been the leading UNIX vendor for PeopleSoft applications since 1996. Sun systems are integrated, tested, and optimized for PeopleSoft applications through Sun's iForce<sup>SM</sup> Competency Center and in conjunction with performance and benchmarking groups. The iForce Competency Center includes technical experts from both companies who help assess your current and future technology requirements.

Running PeopleSoft applications on Sun systems means people can collaborate together anytime, anywhere, on any device.

1. PeopleSoft, PeopleSoft products, and the benchmark name PeopleSoft Financials 8.4 Online are registered trademarks of PeopleSoft, Inc. For more information, visit [www.peoplesoft.com](http://www.peoplesoft.com).

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