



Sun and PeopleSoft Solutions for Education Head of the Class

“Running Oracle’s PeopleSoft Campus Solutions on Sun technology gives us a cost-effective approach to providing our students, staff, and contributors with a streamlined self-service environment.”

David Koehler
Director, Information Services
Cornell Information Technologies, Cornell University

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sun.com/education
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Today’s students are online, all the time, for everything. You no longer see students carrying binders full of papers around campus, now it is all laptops and PDA’s. So, is your educational institution keeping up with the demands of these Web 2.0 students, faculty, and alumni? These constituents expect Web-based self-service functionality as well as tightly integrated information collaboration and access, all the time. And you need more flexibility to meet the unique needs of your environment, without the high cost of customization.

Put your educational institution at the head of the class by implementing Oracle’s Peoplesoft Enterprise Campus Solutions running on Sun systems to deliver all of the flexibility and functionality you need to address these demands — at a lower cost, higher throughput and is always on.

Peoplesoft and Sun for Education

Sun and Oracle have joined forces to provide innovative, powerful solutions for education. The Peoplesoft Enterprise Campus Solutions is a comprehensive suite of software specifically designed for the changing needs of higher education institutions. It helps manage the entire student lifecycle — from recruiting and admissions to student services and alumni relations — in a secure and stable environment that is always on. With Campus Solutions running on Sun servers and storage, universities can significantly improve performance, grow seamlessly with demand, increase availability, and operate more economically and ecologically.

Many higher education institutes utilize a number of components from Oracle’s Peoplesoft Enterprise application suite to provide services for academic advisement, self-service, financial aid, recruiting and admissions, student administration and records, and more.

Infrastructure for Peoplesoft Enterprise applications can span dozens of servers and hundreds of terabytes of storage, supporting production, development, test, and demo. You need the option to deploy large systems with

mainframe capabilities for availability, as well as the ability to run the same applications on smaller systems without supporting multiple operating systems.

The University of Utah faces many of these requirements. They discovered Sun is a perfect platform for their environment, providing the university with the flexibility to run Peoplesoft Enterprise applications on very large 48 core systems down to sub-core Solaris™ Containers. Sun’s compatibility guarantee means you can run the Solaris™ OS and Peoplesoft Enterprise applications across the entire product line, and across OS revisions. So you can support your non-production needs and test and migrate to new versions of Peoplesoft Enterprise applications on less expensive platforms.

Proven Performance

Together, Sun’s Solution Center for PeopleSoft and PeopleSoft’s Performance and Benchmark group methodically test and optimize PeopleSoft applications on Sun systems through certified benchmarks and sizing projects to make it easier for you to choose the systems you need.

Additionally, Sun Academic Centers of Excellence (COE) in Administrative Computing, such as the Oracle PeopleSoft COE at the University of Utah, share key best practices, performance tuning information, and implementation advice with other universities. Sun has a long standing relationship with Peoplesoft in education and a large percentage of institutions run their Peoplesoft applications on Sun. Sun leverages the critical knowledge gained from years of

“We needed the flexibility to run Oracle’s Peoplesoft Enterprise application suite on everything from small two-processor platforms to very large 24-processor servers. The broad scalability of Sun’s server line, combined with compatibility across Sun SPARC® platforms and different versions of the Solaris OS, enables us to do this.”

Corey Pedersen

Assistant Director of Systems and Operations
University of Utah

creating successful PeopleSoft implementations to help organizations worldwide transform operational requirements into reliable, scalable, and secure solutions.

Expectations Increase, Budgets Don’t

Expectations from technology-savvy students increase with every technological advancement on the Web, creating the demand for more performance. Unfortunately, IT budgets and datacenter resources rarely keep up with the pace. Sun understands that today, leaps in performance must also be cost effective and power efficient. So, Sun continues to raise the bar with higher capacity servers that are significantly more economical and eco-friendly. For example, in Sun and Peoplesoft Campus Solutions benchmarks, the Sun Fire E2900 server, at 12 RU and 24 threads supports 8000 users. Preliminary tests on the Sun Fire T5220 server indicate that (2) load balanced T5220 will support 5000 to 6000 users, in a server that consumes 1/3rd the rack space, significantly less power of a traditional server, and much less of your IT budget.

Round-the-Clock, Secure Access to Information and Services

Peoplesoft Enterprise applications deliver access to services any time, anywhere, from virtually

PeopleSoft Enterprise Campus Solution Suggested Configurations for Solaris 10 SPARC Operating System

Machine Use	8000 Students or less	Up to 15,000 Students	Up to 25,000 Students
Database	Qty 1 SEEPAAA1Z Sun SPARC Enterprise M4000 server. Includes 2*2.15GHz SPARC64 VI Processors (1 CPU boards with 2 *CPUS each & 5MB on-chip L2 cache), and 16GB system memory on 2 memory modules (2 memory modules with 8 * 1GB DDR2 DIMMs), 2 * 73GB SAS hard disks, 1 DVD-ROM, 2*Gb ethernet ports, 1 I/O tray with 4 PCI-E and 1 PCI-X slots, 2 power supplies (110V or 220V with 1N redundancy), RoHS-5.	Qty 1 SEEPAAA1Z Sun SPARC Enterprise M4000 server. Includes 2*2.15GHz SPARC64 VI Processors (1 CPU boards with 2 *CPUS each & 5MB on-chip L2 cache), and 16GB system memory on 2 memory modules (2 memory modules with 8 * 1GB DDR2 DIMMs), 2 * 73GB SAS hard disks, 1 DVD-ROM, 2*Gb ethernet ports, 1 I/O tray with 4 PCI-E and 1 PCI-X slots, 2 power supplies (110V or 220V with 1N redundancy), RoHS-5.	Qty 1 SEEPBAA1Z Sun SPARC Enterprise M4000 server. Includes 4*2.15GHz SPARC64 VI Processors (2 CPU boards with 2 *CPUS each & 5MB on-chip L2 cache), and 16GB system memory on (2 memory modules with 8 * 1GB DDR2 DIMMs), 2 * 73GB SAS hard disks, 1 DVD-ROM, 2*Gb ethernet ports, 1 I/O tray with 4 PCI-E and 1 PCI-X slots, 2 power supplies (110V or 220V with 1N redundancy), RoHS-5.
App/Web	Qty 1 SETPBGE1Z Sun SPARC Enterprise T5140 Server, 2 * 6 Core 1.2GHz UltraSPARC T2 Plus processors, 16GB FBDDIMM memory (8 * 2GB), 4 disk capacity, 2 * 146GB 10K RPM SAS disks, 1 DVD+/-RW, 4 - 10/100/1000 Ethernet ports, 1 serial port, 4 USB ports, 1 dedicated PCI-E low profile slot, 2 PCI-E low profile or XAUI (10Gb ethernet) slots, 2 (N+1) 720W power supplies, Solaris 10 and Java Enterprise System software pre-installed, RoHS-6 compliant.	Qty 2 SETPBGE1Z Sun SPARC Enterprise T5140 Server, 2 * 6 Core 1.2GHz UltraSPARC T2 Plus processors, 16GB FBDDIMM memory (8 * 2GB), 4 disk capacity, 2 * 146GB 10K RPM SAS disks, 1 DVD+/-RW, 4 - 10/100/1000 Ethernet ports, 1 serial port, 4 USB ports, 1 dedicated PCI-E low profile slot, 2 PCI-E low profile or XAUI (10Gb ethernet) slots, 2 (N+1) 720W power supplies, Solaris 10 and Java Enterprise System software pre-installed, RoHS-6 compliant.	Qty 4 SETPBGE1Z Sun SPARC Enterprise T5140 Server, 2 * 6 Core 1.2GHz UltraSPARC T2 Plus processors, 16GB FBDDIMM memory (8 * 2GB), 4 disk capacity, 2 * 146GB 10K RPM SAS disks, 1 DVD+/-RW, 4 - 10/100/1000 Ethernet ports, 1 serial port, 4 USB ports, 1 dedicated PCI-E low profile slot, 2 PCI-E low profile or XAUI (10Gb ethernet) slots, 2 (N+1) 720W power supplies, Solaris 10 and Java Enterprise System software pre-installed, RoHS-6 compliant.

any device that supports a Web browser, fostering an environment for round-the-clock usage. With the built-in reliability features of Sun servers and the Solaris 10 Operating System (OS), as well as, a full complement of virtualization technologies, and Solaris Cluster software, you can build cost-effective redundancy into your infrastructure so you maintain the environment and withstand system faults without loss of service to end users. Sun’s virtualization technologies also help you consolidate applications on to fewer servers to reduce datacenter costs.

Protecting an individual’s information is as important as providing round-the-clock access. Oracle’s PeopleSoft Enterprise applications integrate with the Sun Java™ Identity Management Suite, a comprehensive digital identity management solution that provides policy services, administration services, and directory services. Sun’s identity management solution can help you consolidate authentication, authorization, and single sign-on capabilities to provide transparent, secure access to Peoplesoft Web-based applications.

Solutions for all schools – large and small
For the smaller universities (5,000 students or less) Sun offers a low cost solution specific to your needs. Three servers the size of a pizza box is all you need. Get a complete solution for less than \$50,000.

“Our app server layer relies on the Sun Fire T2000 servers with the multi-threaded Niagara chip, which lets us run a number of app server processes on each server,” said Greg Sutton, Manager of Corporate Applications, University of Queensland. “This gives us the flexibility to spread out large loads generated during peak periods of student activity.”

Learn More

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