

# Sun and Oracle/PeopleSoft



For today's universities, there is no night and day. Because of global internet access, campus information systems must be available 24x7x365 and must be increasingly integrated to meet the expectations of powerful campus constituencies. The sophistication of a school's information technology can attract, or discourage potential students and faculty.

Building on over thirteen years of delivering technology leadership to solve real-world campus problems, Oracle/PeopleSoft and Sun Microsystems have the right solutions to meet these demands – the real-time campus enterprise. Oracle/PeopleSoft's pure Internet software combined with Sun's proven Java™ Enterprise Systems infrastructure software, Solaris™ 10 operating system, and powerful server and storage hardware, yield tightly-integrated solutions such as the popular Identity Management package. These solutions are jointly designed to provide the most secure, scalable, and reliable real-time solutions available in the market today.

## Sun and Oracle/PeopleSoft Identity Management Solution

The foundation of any real-time web services architecture is identity management, the ability to decide who has access to what information, when, where, why and how. Campus IT administrators have found identity management particularly useful in providing secure, efficient and appropriate access to information in cases like the graduate student who is also a faculty teaching assistant and who works part-time in the campus bookstore.

Oracle/PeopleSoft and Sun provide tightly-integrated end-to-end identity solutions for Enterprise applications Student Administration, Financial Management, Human Capital Management and Customer Relationship Management. Integrated, pre-tested solutions reduce risk. Universities can achieve cost savings through services integration and automation while providing the secure, single sign-on capability students and faculty covet and the strong authentication and encryption IT administrators desire.

Based on Sun's Java System Identity Manager, the solution takes the complexity out of controlling access to campus assets and supports industry standards such as the Liberty Alliance. This makes it easier to transfer and consolidate federated identity information and to manage user access across applications and platforms.

## Oracle/PeopleSoft Student Administration

Streamlining institutional business practices and applying technology to improve service and accountability must be primary goals for educators. Oracle/PeopleSoft Student Administration System enables higher education organizations to control, monitor, administer, and report on student information within the unique guidelines and operating practices of the school's business environment.

By drawing on a three tier web-services architecture, relational database design, powerful customization tools, workflow technology, and a graphical user interface, Oracle/PeopleSoft's leading-edge technology provides a flexible solution that easily adapts to user requirements and greatly improves the productivity of administrators, faculty and students.

## Oracle/PeopleSoft and Sun: Global Partners in Education

What enables this tight integration on the Oracle/PeopleSoft portal is the company's commitment to Sun's Java Enterprise Services and the web services model. Sun's Solaris 10 Operating Environment is at the core of Oracle/PeopleSoft's UNIX development efforts.

More than 1,400 joint customers benefit from Sun-Oracle/PeopleSoft partnerships in other areas as well. Through Sun's Competency Center for Oracle/PeopleSoft and the Performance and Benchmark Group at Oracle/PeopleSoft, joint solutions such as Identity Management are tested and certified, providing critical sizing and performance information to architect the optimum solution for each institution. Additionally, Sun Academic Centers of Excellence (COE) in Administrative Computing, such as the Oracle/PeopleSoft COE at the University of Utah, provide fellow customers with key best practices, performance tuning information, and implementation advice.

Sun Client Solutions also has Oracle/PeopleSoft-specific services to architect systems,

improve project planning, ease implementations, provide audits, evaluate and strengthen security, tune and optimize performance, train staff, and maintain service level agreements. They're the right partner before, during and after your next Oracle/PeopleSoft implementation.

#### Why Oracle/PeopleSoft on Sun?

More Oracle/PeopleSoft customers run their application on the Solaris Operating Environment than any other operating system. As Oracle/PeopleSoft has found in its own internal operations, Sun's proven software and hardware infrastructure provides:

- *Scalability and Integration* – Oracle/PeopleSoft on Sun provides the degree of seamless scalability necessary to handle the peak workloads of academia by combining the power of a 64-bit Solaris 10 operating system, 64-bit UltraSPARC IV+ CPUs, and a tightly-integrated Java ES stack to deliver performance where client satisfaction is critical.
- Open Standards – Both companies' commitment to Java and open standards means academic customers can build modular infrastructures using combinations of best-of-breed services with Oracle/PeopleSoft/Sun products to meet specific student administration, human resources, and financial systems campus requirements. Open standards provide control through choice and flexibility, lowering risk, reducing costs through reusable components, and speeding deployment to demanding constituents.
- *Lower Total Cost of Ownership (TCO)* – Sun provides for lower total cost of ownership (TCO), and lower cost entry and exit barriers, versus vertically-integrated models. Sun does this by reducing licensing, operational and acquisition costs, avoiding lock-in by increasing competition and choice, and enabling modular changes based on customer requirements, budgeting and timetables, not those of the vendor.
- *Scalability, Reliability and Availability* – Sun products and services have been

delivering unparalleled scalability, reliability and availability to mission-critical applications in academic institutions since long before the World Wide Web. Redundancy and failover features in both hardware and the Solaris 10 operating system, coupled with a dedicated Sun and Oracle/PeopleSoft support organization, allow the attainment of most any operational or service level requirement.

#### Summary

Operating in a real time environment can help speed decision making, improve collaboration between campus constituencies, and reduce costs in many parts of your institution. Oracle/PeopleSoft's integrated best-of-breed applications, running on Sun Microsystems software and hardware, enable the real-time enterprise on your campus today.

**Oracle/PeopleSoft Student Administration System  
Sample Configurations on Sun**

Users	Server	Configuration
15,000	Web server	Two Sun Fire™ V240s, one 1.34-GHz UltraSPARC® III processor, 2 GB RAM
	Application Server	Two Sun Fire V490s, two 1.5-GHz UltraSPARC IV+ (CMT) processors, 8 GB RAM
	Database Server	Sun Fire V490, four 1.5-GHz UltraSPARC IV+ (CMT) processors, 16 GB RAM
30,000	Web server	Two Sun Fire V240s, two 1.5-GHz UltraSPARC III processors, 4 GB RAM
	Application Server	Two Sun Fire V490s, four 1.5-GHz UltraSPARC IV+ (CMT) processors, 16 GB RAM
	Database Server	Sun Fire V1290, six 1.5-GHz UltraSPARC IV+ (CMT) processors, 24 GB RAM
60,000	Web server	Four Sun Fire V240s, two 1.5-GHz UltraSPARC III processors, 4 GB RAM
	Application Server	Four Sun Fire V490s, two 1.5-GHz UltraSPARC IV+ (CMT) processors, 16 GB RAM
	Database Server	Sun Fire E6900, twelve 1.5-GHz UltraSPARC IV+ (CMT) processors, 48 GB RAM