Oracle Database Management Systems

Overview

Oracle provides core technologies for developing Java/J2EE and .NET applications, integrating existing systems, building Web Services, and managing infrastructure. The latest database release, Oracle Database 10g, supports Enterprise Grid Computing, which pools Intel-based blade servers into a single virtual computer and allocates and de-allocates servers according to workload. Enterprise Grid Computing reduces hardware and software costs and reduces the burden of maintenance and system monitoring.

Oracle builds on its ability to manage all of your data — relational, email, documents, multimedia, XML, and spatial. Oracle Database 10g has the capability to act as a Web Services provider and consumer. Benefits for Java applications include enhanced JDBC drivers and comprehensive JDBC 3.0 support. Oracle automates time-consuming and error-prone administrative tasks, enabling database administrators (DBAs) to focus on strategic business objectives.

Making IT Work. Together.

SPS provides full life-cycle Oracle support. Our enterprise architects and DBAs specify optimal application platforms and provide production support for mission-critical applications. DBAs assist in the design and development of both client-server and web-based Oracle applications. SPS analysts have extensive experience supporting Oracle as a database back-end for ERP systems. SPS uses a wide range of tools such as Erwin, System Architect, Rational Rose, Oracle Designer, and PeopleSoft.

SPS promotes effective table and query design through the implementation of standards and direct involvement with application development activities. We apply powerful software tools to monitor, detect, and correct potential database problems during development, testing, and production. We tune database applications during development, not after deployment.

Featured Solutions

United States Patent and Trademark Office (USPTO) - Revenue Accounting and Management (RAM) System

RAM is a subsidiary ledger fee management system, providing fee collection services to 23 other USPTO systems. SPS designed, developed, and implemented RAM using Oracle database and management tools. RAM revenue has grown to more than one billion dollars each fiscal year, received in 15,000 transactions daily. RAM Reporting capabilities are accessed hourly, daily, weekly, and monthly to support USPTO Finance operations. The advent of RAM enabled the USPTO Office of Finance organization to manage an ever-increasing fee workload with fewer people, greatly improved accuracy and timeliness, and very substantial cost reduction. The RAM system won the Government Agency IT Award for Excellence in Government.

Smithsonian Institution Enterprise Resource Planning (SIERP) System

The Smithsonian Institution's financial systems and applications were unable to meet the needs of users working in 17 separate

CLIENT BENEFITS:

SPS provides clients with the following Oracle services:

- Oracle Installation
- Database Modeling, Design, and Development
- Data Migration
- Web development using JSP, Java, and .NET
- ERP systems support
- Oracle Forms/Reports and Database Administration
- Performance Tuning
- Database Replication
- Backup and Recovery
- Security
- Document Text Search
- Certified DBAs available for on-call services

museums. Museum staff was unable to work solely within existing systems or rely upon data generated in various reports. Moreover, the absence of real-time financial information precluded fiscally sound management decisions. The primary financial system, the Smithsonian Financial System (SFS), was based on obsolete technology no longer supported by its vendor.

Upon winning a competitive contract, the SPS team successfully completed planning, development, data migration, training, and testing tasks required to deploy PeopleSoft V8.4. The deployment included a comprehensive and full implementation of PeopleSoft's General Ledger (GL), Purchasing (PO), and Accounts Payable (AP) modules, providing consolidated, accurate, and current financial support for all 17 Smithsonian museums. The deployment, under a severely compressed schedule, was validated by an "unqualified success" audit opinion for the FY03 and FY04 accounting years.

Department of Justice (DOJ) - Joint Automated Booking System (JABS)

The JABS program is a multi-agency initiative to improve the booking task of arresting criminal suspects. JABS automates the process of collecting and transmitting fingerprint, photographic, and biographical data. JABS accesses the FBI's Integrated Automated Fingerprint Identification System (IAFIS) to quickly ascertain previous arrests. The strategic goal of the JABS Program is to facilitate electronic access to IAFIS for any Federal law enforcement agency or office with a requirement to submit fingerprints to the FBI. SPS designed, developed, and implemented key components of this system using Oracle tools and DBMS. A critical component enables very flexible searching and reporting by law enforcement personnel new to IT. SPS was successful in implementing this feature, which required extensive support from SPS DBAs to design the most efficient query paths.

"Oracle Database 10g ups the ante for database manageability and leaves competitors playing catch up," said Barry Cohen, CTO, Edison Group. *"IT administrators increasingly are being asked to shoulder more responsibility, and the productivity gains offered by Oracle Database 10g can significantly reduce the DBA workload."*

—*Worldwide Databases; 1/1/2005*

Summary

Setting up and properly configuring an Oracle DBMS and providing ongoing production support can be a daunting task for any organization. SPS has been an invaluable asset to its clients by providing full life-cycle Oracle support. SPS maintains relationships and partnerships with leading DBMS vendors to ensure access to up-to-date documentation, white-papers, training, technical support resources, and product development plans. Our experience and training enable us to deliver industry-leading solutions for a wide range of customer requirements and business domains. Imagine what we could do working together. Let us put our expertise and experience to work for you.

ABOUT SPS

Software Performance Systems, Inc. (SPS), a small business based in Northern Virginia, is a privately held full-service information technology services provider. Established in 1995, SPS specializes in the design and integration of sophisticated web-based enterprise solutions for both the US Government and worldwide commercial clients. SPS has been honored with many national awards, to name a few: #10 ranking in the Computerworld Top 100 Best Places to Work in IT, Deloitte's Virginia Technology Fast 50 and North America Technology Fast 500, Excellence.gov Grand Prize Winner, E-Gov Pioneer Award, and SBA — Exporter of the Year. **SPS. . .proven over time.**