The powerful combination of Oracle software running on Oracle servers built with the Fujitsu SPARC64 VII+ processor means that ‘always on’ means just that.

Chris Armes, Vice-President, Oracle Systems, Oracle Corporation

## Oracle

**Fujitsu Processor Drives Powerful Performance in Oracle’s Next-Generation Computing Environment**

» The powerful combination of Oracle software running on Oracle servers built with the Fujitsu SPARC64 VII+ processor means that ‘always on’ means just that «

### THE CUSTOMER

Country: United States  
Industry: Information Technology  
Founded: 1977  
Employees: 108,000  
Website: www.oracle.com

### THE CHALLENGE

Oracle needed to accelerate hardware consolidation and streamline the operation of several core business applications—and provide high availability of those applications and rapid failover in the event of system outages.

### THE SOLUTION

The Oracle Product Development IT Business Application Service Team opted to enhance the global single instance of the Oracle E-Business Suite on which the company relies with two SPARC M9000-series servers, the Solaris® operating system, and the Oracle 11g database. A critical component of the SPARC Enterprise M9000 is its processor, a chip expressly designed by Fujitsu to underpin a wide variety of mission-critical applications.

### THE BENEFIT

- 50% reduction in data center operating costs
- Nearly $400,000 in savings in third-party volume manager software costs expenses and power costs
- A strong foundation to support increased business agility
- More than 20 times acceleration in disaster recovery performance
- Almost 75% savings in physical disk storage requirements
- More than 5X faster application deployment and implementation of upgrades and patches

The company also reported these operational benefits:

- More than 20X acceleration in disaster recovery performance
- The ability to run 10,000 concurrent database processes
- Almost 75% savings in physical disk storage requirements
- More than 5X faster application deployment and implementation of upgrades and patches

**The customer**  
Oracle® Corporation, an enterprise solutions company, develops, manufactures, markets, distributes, and services database and middleware software, applications software, and hardware systems worldwide.

**The challenge**  
Over the past few years, the Oracle drive for growth and innovation has required its data center operations to scale rapidly to accommodate a dramatically increased workload.

Oracle needed to accelerate hardware consolidation and streamline the operation of several core business applications—and to provide high availability of those applications and rapid failover in the event of system outages. In addition, the company wanted to be able to handle upgrades, maintenance, and repair during live operations without shutting down the database or rebooting systems.

**The solution**  
Tasked with supporting extraordinary growth, the Oracle Product Development IT Business Application Service Team (PDIT) opted to enhance the global single instance of the Oracle E-Business Suite on which the company relies with two SPARC M9000-series servers, the Solaris® operating system, and the Oracle 11g database.

"The M9000 handles disaster recovery and our staging environments as well, delivering results that are even better than we expected," May Yuan, Director, AIA Oracle Corporation.
Consolidating server systems, eliminating the use of servers from multiple vendors, and reducing operational complexity has enabled IT staff productivity to spend time on more strategic pursuits, clearly benefiting Oracle’s overall business and technology performance and its bottom line.

The Fujitsu-Oracle Partnership
Building on more than 20 years of partnership and leadership in mission-critical computing, Fujitsu and Oracle announced the enhanced SPARC Enterprise® M-Series server product line in December 2010.

These premier UNIX®-based server solutions feature the SPARC64 VII+, a Fujitsu-designed processor that is well-suited to a broad range of mission-critical business applications, such as Enterprise Resource Planning (ERP) and Online Transaction Processing (OLTP).

At the same time, the two companies unveiled a unified enclosure that accommodates the new processor and older SPARC processors in the same system. This feature is not found in other processors on the market and enables enterprises to protect their investment in computing hardware.

A critical component of the SPARC Enterprise M9000 is its SPARC64 VII+ processor, a chip expressly designed by Fujitsu to underpin a wide variety of mission-critical applications.

This highly reliable, fail-safe processor builds on the technological advances of earlier Fujitsu M-series products to provide both faster memory access and increased computing power, including:

- Clock speed of up to 3.0 GHz and an L2 cache of up to 12 MB
- Predictive self-healing component redundancy and hot-swap, memory mirroring, and fault containment
- Oracle optimization of hardware, operating system, and Oracle applications for maximum performance

The Fujitsu roadmap for the SPARC64 VII+ processor calls for a 15X increase in system performance over the next three years.

"The new SPARC64 VII+ based SPARC Enterprise M-series server product line is the crown jewel of our over 20-year relationship with Oracle and further solidifies our joint commitment in providing SPARC/Solaris products which deliver improved value to our customers towards the future," Noriyuki Toyoki, Corporate Senior Vice President, Fujitsu Limited.