



The Power of Oracle on the Solaris™ Operating System



Business managers often rely on Oracle solutions to manage information and business relationships. As more users access these business-critical processes, IT managers are looking to obtain additional scalability and security in the most efficient way possible, with users taking for granted that IT services will deliver the performance and predictability needed. As organizations turn to grid and commodity computing, selecting the right platform for the job at hand becomes a critical factor to success. With the Solaris™ 10 Operating System (OS), enterprises can take advantage of innovation that delivers on the promise of open source.

Highlights

- Open source — The Solaris OS delivers on the promise of open source innovation and community
- Extreme performance — The Solaris 10 OS has set over 120 price/performance and performance records to date
- Innovation that matters — Over 600 new features provide the scalability, reliability, and management capabilities needed by business-critical Oracle relationship management and database solutions
- Guaranteed compatibility — The Solaris OS Application Compatibility Guarantee program ensures applications run from one release of the OS to another
- Unparalleled industry support — Thousands of open source, commercial, and proprietary applications are tested, certified, and available on the Solaris 10 OS
- Greater security — More security enhancements give organizations peace of mind

Delivering on the promise of open source

Recent developments once again have focused attention on the strategic value of the operating system in the computing infrastructure. Today, many organizations deploying Oracle software look to open source solutions to lower acquisition costs and reap the benefits of community innovation. Now available as open source via the OpenSolaris™ Project, the Solaris 10 OS provides multi-platform support, indemnification against intellectual property (IP) claims, and the security, scalability, and choice needed to create Oracle deployments with lasting value.

Extreme performance

Getting more work done faster clearly makes database solutions more valuable to the business. Today, the operating system plays a critical role in achieving high performance levels, and the Solaris 10 OS has set over 120 performance and price/performance records to date. Combined with Sun's latest high performance servers, the Solaris OS delivers superior performance for critical Oracle relationship management and database applications.

“Solaris is a better Linux than Linux.”

Mark Andreessen

Co-Founder, Netscape and Ning
Sun Analyst Conference
February 2, 2006

Innovation that matters

A \$500 million investment in research and development produced the Solaris 10 OS, an industry-leading operating system with over 600 new features. Traditionally known for its innovation, the Solaris 10 OS offers new capabilities not found in Linux distributions that help enhance the scalability, reliability, performance, and management of Oracle solutions. For example, Solaris Zettabyte File System (ZFS) is a revolutionary new file system that provides virtually unlimited file system scalability and increased data integrity to large-scale data warehousing applications.

In addition, the Solaris Dynamic Tracing facility gives organizations the ability to identify performance bottlenecks in real-time, while Predictive Self-Healing technology automatically diagnoses, isolates, and recovers from many hardware and software faults. These tools enable business-critical Oracle deployments to continue without disruption in the event of software failures, major hardware component failures, and software misconfiguration problems.

Guaranteed compatibility

The ability to extend the life of Oracle software and services can have a dramatic impact on an organization's bottom line. Unique in the industry, the Solaris OS Application Binary Compatibility Guarantee program ensures applications just run from one release of the Solaris OS to another, thereby protecting Oracle software investments while lowering development, testing, and deployment costs. Sun has maintained binary compatibility between operating system releases for nearly a decade, and now also guarantees source code compatibility between SPARC®, x86, and x64 processor-based systems, enabling applications to run across the different architectures with a simple recompile.

Unparalleled industry support

Enterprises rely on many software applications, like Oracle solutions, to get the job done. Over 20,000 independent software vendors and partners provide solutions designed for Solaris systems. Indeed, such strong support enables applications to run on all Solaris certified Sun and third-party platforms — SPARC, x64, or x86 — with the Solaris OS that best matches business needs now and in the future.

Greater security for peace of mind

In today's security-conscious climate, companies are exploring ways to reduce risk, protect technology investments, and comply with regulatory demands. Oracle solutions running on the Solaris OS can leverage powerful operating system features that deliver secure solutions and minimize risk while preserving IT assets.

Attribute	Solaris OS	RedHat Linux	Oracle Linux
Open Source	•	—	—
Multi-Platform	•	•	—
ISV Applications for Solaris OS	4365	1074	
Security Rights Mgmt	•	Partial	Partial
Scalability	128-way		
Security	Military Grade		
Reliability	Proven at Scale		
Free Right to Use	•	—	•
2 Socket Support Cost	\$240 Per Year	\$399 Per Year	\$399 Per Year
Unlimited Support	\$1,320 Per Year	\$2,499 Per Year	

Above information as of January 2007

For example, Solaris Process Rights Management features provide fine-grained control over users and rights for secure access, delivering a level of protection unmatched by Linux distributions. In addition, Solaris Containers technology enables many Oracle applications to be hosted on a single system with complete fault and security isolation. Sun systems optimized around security algorithms combine with these and other Solaris OS features — such as operating system lockdowns that aid database sharing and support for authorizing data access on a need to know basis — to give enterprises a secure foundation that enhances the protection of vital information.

Gaining momentum

Enterprises seek stable environments with proven longevity on which to deploy Oracle solutions. With over 6 million licenses to date, more enterprises are turning to the innovation found in the Solaris OS than ever before.

Optimal Oracle architectures

Enterprises are constantly challenged to build database solutions that support increasing service levels and business responsiveness without breaking IT budgets or creating unnecessary business risk. To help this effort, Sun invested thousands of hours designing architectures specific to Oracle deployments, including the Oracle E-Business Suite, Oracle Real Application Clusters 10g, Siebel and PeopleSoft environments, BIDW solutions, and Dataguard best practices. With these well thought out architectures, companies can quickly deploy solid solutions that let Oracle software take advantage of Sun hardware and Solaris OS features and build optimal deployments at lower cost and with less risk.

A better choice

Selecting the right operating system is key to success. By running Oracle solutions on the Solaris 10 OS, organizations can take advantage of open source and unrivalled innovation and build optimized business environments that cost less to run.