

Ten Moves Ahead



Sun's Solaris™ 10 Operating System is 10 moves beyond anything offered in the industry today. How far can we take you?

The Solaris logo features a stylized sun icon above the word "solaris" in a lowercase, sans-serif font. The background is a solid orange color.

solaris™

The Java logo consists of a stylized flame icon above the word "Java" in a lowercase, sans-serif font. The background is white.

Java™

The Sun Microsystems logo features a stylized sun icon above the word "Sun" in a serif font, with "microsystems" in a smaller, lowercase, sans-serif font below it. The background is a solid purple color.

Sun
microsystems

1. UNMATCHED CUSTOMER CHOICE OF SYSTEMS

- The UNIX® operating system that supports UltraSPARC®, SPARC64®, AMD64, and x86
- Runs on more than 250 different hardware platforms, including systems from IBM, HP, and Dell, further enhancing flexibility and choice for customers¹
- As the only enterprise-class UNIX available on the x86 platform, the Solaris™ 10 OS is the logical alternative for HP-UX and AIX customers who have been abandoned by their vendors on AMD Opteron processor-based and Intel systems

2. LINUX AND SOLARIS™ 10 OPERATING SYSTEMS APPLICATIONS RUN SIDE-BY-SIDE

- Run your unmodified x86 Linux applications, with no emulation required
- Run the Sun Java™ Enterprise System on Linux and the Solaris 10 OS
- Integration of key open source applications such as Samba, Apache, gcc, Tomcat, MySQL, and more than 170 others
- More than 50 key open source applications supplied and supported as part of the Solaris 10 OS, with more than 120 others supplied, ready to run
- With the Sun Java™ Desktop System, users get the same interface across platforms and even operating systems

3. COOL NEW AND IMPROVED FEATURES

- DTrace, industry-leading real-time systems diagnostics
- Solaris 10 Containers, for more simple, safe, and secure server consolidation
- Predictive Self Healing, for maximum uptime
- Linux Application Environment, to run Linux applications side-by-side with Solaris applications
- ZFS, fail-safe file system for data protection
- Solaris Process Rights Management, for military-grade security
- Guaranteed Source and Binary Compatibility
- The Trusted Solaris™ Operating System, for unparalleled security
- SPARC, AMD Opteron, and Intel support
- Cryptographic Framework, for stronger, faster authentication
- Sun Update Network, for automatic system updates
- World-class Directory Services
- State-of-the-art new J2EE™ Application Server
- Highly secure Web Server

4. AFFORDABLE

- The Sun Java Enterprise System includes the Solaris 10 OS right-to-use (RTU) license

5. APPLICATIONS CAN RUN UP TO 30 TIMES FASTER

- Extensive performance tuning equals significant “out of the box” performance improvements
- Existing applications can run up to 30 times faster
- Scales from 1 to 576 CPUs
- The Solaris 10 OS self tunes based on platform size and architecture
- Improved TCP/IP stack allows networking to scale linearly with zero degradation in system performance as systems and applications scale to hundreds of CPUs and network connections
- Memory Placement Optimization (MPO) means that performance scales linearly with systems
- Dynamic Tracing framework (DTrace) provides additional performance tuning opportunities—up to 3000% performance improvements for real-world applications

6. ACHIEVES UP TO 4X SYSTEM UTILIZATION (no mainframe required)

- Solaris 10 Containers unleash multiple (up to 8192) independently secured applications on the same instance of the Solaris 10 OS, each “contained” in its own private virtual environment, enabling higher utilization levels
- Provides finer granularity than any other UNIX system, with resources shared across virtual environments to further drive up utilization.² Resources can be automatically reallocated according to business need, and users can be billed by workloads—ensuring true pay-per-use billing across all Solaris 10 systems

7. MILITARY-GRADE SECURITY—VIRUS-FREE FOR THE LAST 20 YEARS

- Features previously available only on the Trusted Solaris OS, now standard on the Solaris 10 OS on all platforms
- Award-winning technology designed for the Trusted Solaris OS—Process Rights Management—now available in the Solaris 10 OS
- Same high-level computing security as the Pentagon now available on x86 systems running the Solaris 10 OS
- Strengthened cryptographic framework can provide more flexibility and security

- The Solaris 10 OS helps system administrators with quick and valuable information on the impact of any failed or failing component in an easy-to-understand format, simplifying their ability to make decisions about future action plans. Only the Solaris 10 OS provides this additional level of detail

10. BETTER SUPPORT AND SERVICE

- SunSM Managed Services offers flexible, transitional, and longer-term data center management services without transferring assets
- Services can help with building skills and experience so that customers can eventually “insource,” or can free up valuable resources longer term to work on other strategically critical areas—optimizing customer choice and IT investments
- Data center services do not lock customers into long-term contracts or require IT asset transfers, like traditional outsourcing
- The Sun Service Optimized Data Center program focuses on achieving Sun’s N1™ software vision of highly efficient, flexible service delivery through the establishment of essential operational capabilities at the technology, people, and process levels—resulting in a continuous improvement program to transform traditional data center infrastructures and operations into highly responsive, service-optimized data centers

MORE IDEAS

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ISV PARTNERS FOR SOLARIS 10 OS AND SOLARIS ON x86

AC Technologies

Actuate Corp.

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BMC Software

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Deep Nines Technologies

Electronic Data Systems Corp.

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RSA Security, Inc.

Rogue Wave Software

Sifang Automation Co. Ltd.

SupplyScape Corp.

Sunopsis, Inc.

Topspin Communications

Voice Genie Technologies, Inc.

WizVision Pte. Ltd

1. <http://www.sun.com/bigadmin/hcl/>
2. Internal Sun testing
3. A 64-bit checksum is recorded and checked every time data is read from or written to disk, making the chances of reading/writing incorrect data 1 in 1000000000000000000

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