

# Solaris™ 7 Operating Environment



The Solaris™ 7 Operating Environment is the premier environment for network computing. Delivering today what others are only promising for the future, Solaris 7 with 64-bits provides data-center reliability, superior scalability, and unprecedented performance.

## **Solaris™ Operating Environment**

*The Solaris™ Operating Environment is the only choice for serious enterprise computing. With Solaris, you get a 64-bit environment that's optimized for Java™ computing — from the creators of Java — and is Year 2000 safe. Superior reliability and availability mean that your systems and data are always accessible when you need them. Extensive scalability ensures that your systems won't top out in just a few years, let alone a few months. High performance delivers the power to get the job done fast. And simplified installation and administration lets you concentrate more on running your business, not your network. The Solaris Operating Environment delivers the information and services you need to anyone, anytime, anywhere.*

## **The Power of 64-bit Computing**

Advanced 64-bit technology is at the heart of the Solaris 7 Operating Environment. For your business, this means dramatic increases in performance, capacity, and scalability — all while maintaining complete binary compatibility with current 32-bit applications. Your software investments are protected — and so is your future.

The Solaris 7 Operating Environment helps make you more competitive today by delivering enhanced performance on a wide variety of applications. These applications range from Enterprise Resource Planning (ERP) to e-commerce, data mining to digital content creation, and Web search engines to scientific data analysis.

And upcoming 64-bit applications will run dramatically faster — up to 10 times. With 64 bits, applications can address more data directly from memory instead of from disk. So operations that used to take a long time — like database queries — now happen in a fraction of the time. The result? Faster access to information, increased operating efficiency, and lower operating costs.

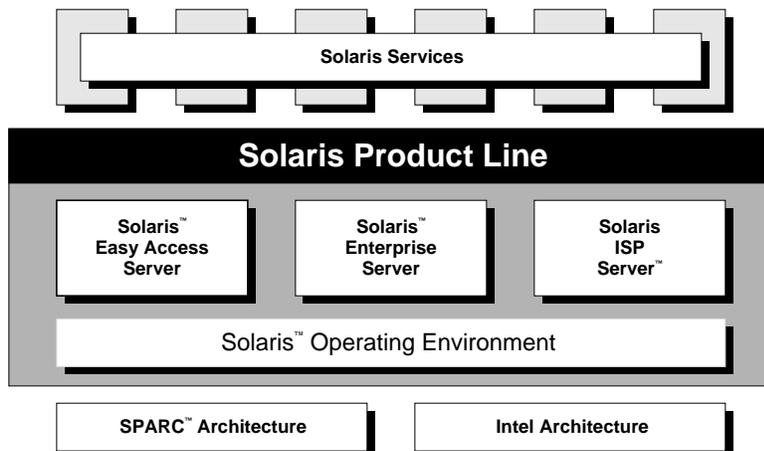
## **Scalability**

The Solaris 7 Operating Environment can handle just about anything you throw at it: heavy network traffic, huge data sets, enormously compute-intensive problems. That's because this 64-bit environment is inherently scalable. Applications can access more files concurrently with 64-bit technology, increasing overall system efficiency. More processes can run simultaneously, allowing individual servers to run more applications. And more network connections are available in the Solaris 7 Operating Environment, enabling Web servers to handle many more users.

Simply put, the Solaris 7 Operating Environment scales from desktop to data center. Which means it's always ready to handle your changing needs.

## **Reliability**

The Solaris 7 Operating Environment is the clear choice for business. It provides data center-class reliability, availability, and serviceability (RAS) features at a fraction of a mainframe's cost.



*The Solaris product line delivers three different extensions that focus more on specific needs for workgroup, enterprise, or service provider computing.*

Even a few minutes of downtime can cost your company thousands, or even millions, of dollars in lost revenues and customer loyalty. Integrated in the Solaris 7 Operating Environment is dynamic reconfiguration. It allows a system to continue running even if a system board fails. What's more, you can replace the faulty board while the system continues to operate — and your people remain productive. Other enhancements include improved logging for easier debugging and improved core dump analysis. The bottom line: Solaris provides the most reliable operating environment for network computing.

### Ease of Use

An integral component of the Solaris 7 Operating Environment, Solaris™ Web Start makes installing Solaris software as easy as clicking a button. Solaris Web Start offers the industry's first Web-based installation process, which means that all of the setup and administration can be done locally or remotely through a Web browser. Solaris Web Start simplifies installation by eliminating the UNIX® system administration normally associated with software installation and setup.

Solaris™ Web Start Wizards™ technology extends the point-and-click simplicity of Solaris Web Start, bringing this same ease of use to applications written for the Solaris Operating Environment. With Solaris Web Start Wizards software, installing applications on the Solaris Operating Environment is just like installing them on Microsoft Windows.

### The Flexibility of Java Technology

Nothing runs the Java development environment better than the Solaris Operating Environment. Solaris provides a fast and reliable environment for developing and deploying mission-critical Java applications. That's because Java

technology is tightly integrated into the operating environment, and can leverage its multithreaded capabilities to deliver the scalability, performance, and stability needed for enterprise applications.

### Standards-Based Networking

Driven by a vision of seamless access to information, and backed by 16 years of consistent execution, Sun is recognized as a world leader in open network computing. And we continue to invest in the core technologies required to deliver network connections as reliable as the dial tone. We call this the Webtone.

With standards-based networking, such as TCP/IP, NFS™, and LDAP, built into the software right from the beginning, the Solaris 7 Operating Environment offers proven interoperability and includes the leading-edge features to make networking easier. Sun continues to improve performance, and includes the protocols needed to support new applications as they become available.

### Security

Moving from private to public networks, businesses require built-in security. The Solaris 7 Operating Environment has dramatically improved authentication, data integrity, data privacy, and single sign-on capabilities to keep your data safe from tampering, snooping, or eavesdropping. The Solaris Operating Environment also makes security administration easier, because system entry services such as *login* and *rlogin* do not have to be modified when changing authentication mechanisms.

### Globalization

The Solaris 7 Operating Environment is designed for global business. Solaris supports 37 languages that cover 95% of the world's markets in a standards-based environment for true multilingual computing.

### Summary of Features

- Full 64-bit functionality
- Industry-leading Java technology performance
- TCP with Selective Acknowledgment
- Web-based installation for the Solaris Operating Environment and Solaris applications
- Web-based administration and configuration
- Global-ready and Year 2000 compliant

### RAS Enhancements

- Dynamic reconfiguration (not available on all systems)
- UNIX File System (UFS) logging
- Kernel debugging enhancements
- Improved core dump analysis
- Hot-plug capability
- Improved kernel errors and events logging

### Standards

- Year 2000 Compliance: follows X/Open® guidelines
- Interface Standards: X/Open UNIX 98
- Graphics Standards: X11, PostScript™, Display PostScript™, OpenGL®
- Desktop Standards: CDE (Common Desktop Environment), Motif
- Object Standards: Java IDL
- Connectivity Standards: ONC™, ONC+™, NFS, WebNFS™, and optional NetWare IPX/SPX, SNA, SMB, AppleTalk, DECnet, and others
- Internet Standards: HTTP, FTP, Telnet, DNS, NTP, IMAP4, DHCP, SNMP, SMTP
- LDAPv3 IETF RFCs 1323, 1510, 1652, 1869, 1870, 1891-1894, 1985, 1996, 2018, 2136, 2045, 2078

### System Requirements

- SPARC™ or Intel 486 (100 MHz) or Pentium platforms
- Disk Space: 600 Mbytes minimum (desktop); 600 Mbytes to 1 Gbyte (server)
- Memory: 32 Mbytes minimum

Notes: Web Start requires 64 Mbytes (minimum) of memory. Memory requirements can vary depending upon the number of clients and users. Maximum memory support on the Intel platform is 8 Gbytes.

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