

Sun Java™ System Portal Server Secure Remote Access



Secure Anytime, Anywhere Access to Your Enterprise Portal

Key feature highlights

- Provides extranet or virtual private network (VPN)-on-demand capabilities from a Java™ technology-enabled browser — no client software installation or maintenance is required
- Delivers on the promise of the Internet for anytime, anywhere access to key applications, content, and services
- Leverages the Internet and extranet to provide universal, Web-based access to internal resources
- Extends an enterprise's content, applications, files, and services located behind firewalls to authorized suppliers, customers, and employees
- Provides standards-based, Secure Sockets Layer (SSL)-based encryption and authentication features to enhance security
- Minimizes investment in private dial-up lines, remote access appliances, and dedicated modems
- Simplifies IT administration and maintenance overhead while dramatically reducing deployment time and cost
- Provides scalability, high availability, reliability, and performance for enterprises and service providers

The corporate environment is no longer defined by walls, cubicles, or geographic location. Today, with a computer and Internet connectivity, corporate offices can be in any location, operating 24x7. Sun Java™ System Portal Server Secure Remote Access software delivers secure Internet or extranet access to both internal portals and intranet applications through any Java technology-enabled browser. The Java System Portal Server Secure Remote Access provides key portal services, including aggregation, presentation, security, personalization, integration, community, policy, access management, and single-sign-on — anywhere.

The Java System Portal Server Secure Remote Access is an open standards, Internet- or extranet-based remote access solution that provides authorized access to resources behind the corporate firewall from any Java technology-enabled browser — easily and inexpensively. It can increase return on investment (ROI) by extending the value of internal resources through remote connectivity. By delivering secure access to personalized portal information over any Internet or extranet connection, the Java System Portal Server Secure Remote Access eliminates the administration and maintenance of client-side remote access software while enhancing user productivity.

Increase Accessibility, Save Time, and Decrease Deployment Cost

The Java System Portal Server Secure Remote Access enables mobile employees, telecommuters, knowledge workers, business partners, suppliers, and customers to access their personalized portals from anywhere outside the corporate network. And because it is Internet or extranet based, the Java System Portal Server Secure Remote Access does not require client-side software installation, management, or configuration.

By providing a solution based on an Internet connection as opposed to a costly virtual private network (VPN) or private dial-up line, the Java System Portal Server Secure Remote Access helps lower remote access costs and minimizes investments in dedicated modems, remote access appliances, WATS (800 toll-free number) calls, and related management and user support costs. In addition, patented Java technology allows existing applications, content, files, and services to go online without the need to rewrite or modify the code.

Positioned in the leader quadrant in Gartner's Portal Product Magic Quadrant 2004.

— Gartner's Horizontal Portal Product Magic Quadrant for 2004¹, G. Phifer, R. Valdes, D. Gootzit, K. Underwood, J. Correia, and W. Andrews, March 2004

With a minimal client and connectivity investment (a Web browser and an Internet connection), an enterprise or service provider can easily create low-cost extranets on the fly. Resources can also be securely extended to wireless devices such as PDAs and cellular phones by utilizing Java System Portal Server Mobile Access services in conjunction with the Java System Portal Server Secure Remote Access.

Leverage the Internet While Utilizing a Common Infrastructure

Combining secure remote Internet access with portal and identity management enables reusability of common components across portals while at the same time increasing the security and usability of the portal. The Java System Portal Server Secure Remote Access delivers portal, identity, and directory capabilities in a single comprehensive solution, eliminating the need to integrate and manage these capabilities as separate products. Having a common infrastructure of identity information decreases the likelihood of data inconsistencies and reduces the occurrence of redundancies. It also helps lower costs through the use of shared components.

Standards-Based Privacy and Security Over an Extranet or the Internet

As the need for remote access to portal information, applications, files, content, and services situated behind corporate firewalls grows, concerns about network security also grow.

Built on open, Internet standards, the Java System Portal Server Secure Remote Access addresses these security and privacy concerns.

The Java System Portal Server Secure Remote Access delivers encryption through Secure Sockets Layer (SSL) or Transport Layer Security (TLS). Users log on from any available browser, enter their Web URL address, and then enter their user identification. User authentication is handled over an encrypted SSL or TLS channel between the Web browser and the Java System Portal Server Secure Remote Access gateway. Authentication is proxied by the gateway, which then uses the Java System Access Manager to request and confirm authentication of the user. Once authenticated, the user is presented with a personalized portal.

To ensure privacy and protection of data, all content, applications, files, and services transferred between the user and the Java System Portal Server continue to be encrypted through the use of standards-based cryptography technologies such as RC4, DES, 3DES, and AES. In addition, a dynamic client-side proxy applet — or proxylet — makes the Java System Portal Server Secure Remote Access even more efficient in its role as an intelligent gatekeeper to the network and the enterprise portal. The proxylet ensures that all network traffic is authorized as well as secure, and does so without requiring the overhead of URL inspection and rewriting — increasing throughput through the gateway and speeding the delivery of content out to remote users. And because the Java System Portal Server Secure Remote Access is built on open standards, remote users can seamlessly adopt newer and faster Internet or extranet access technologies such as cable modems, DSL, ISDN, and more.

Simplified Administration and Maintenance Overhead

Because the Java System Portal Server Secure Remote Access requires no client-side software, administrators are freed from time-consuming distribution, configuration, maintenance, and management of client-side, remote access applications. Server-side administration is handled through a browser-based management console. Centralizing and using the management console to administer the portal and its secure remote access and identity services removes administrative complexities. This common console can also be employed across multiple portals and secure remote access gateways — saving time, management, and administration costs.

The Java System Portal Server Secure Remote Access supports delegated portal administration to other users or line-of-business (LOB) administrators within or even outside the organization. This empowers content and business owners, and reduces IT bottlenecks. It also delivers the high flexibility administrators require for fine-grained control of users, sessions, identity management, and various portal components.

Delivers a Scalable, Reliable, High-Availability Solution

The Java System Portal Server Secure Remote Access leverages its Sun heritage in building scalable, highly available, and reliable products. Horizontal and vertical scalability enable organizations to support more users without sacrificing performance. And, a no-single-point-of-failure architecture helps to ensure accessibility and uptime, while enhancements to memory and cache management improve performance.

Mature and Proven

With hundreds of customers worldwide, the Java System Portal Server Secure Remote Access is a mature and proven product. Many customers are deploying multiple portals across their organizations using the Java System Portal Server today. It is just as capable running an enterprise as it is running a service provider portal that serves many thousands of requests. In the portal market, the Java System Portal Server is an acknowledged leader.

Serious Software Made Simple

Sun provides a complete portfolio of affordable, interoperable, and open software systems designed to help you maximize the utilization and efficiency of your IT infrastructure. Built from the secure, highly available foundations of UNIX® and Java, these systems deliver implementations that are preintegrated and backward compatible. Sun's portfolio consists of Solaris™ and Linux software for SPARC® and x86 platforms, the N1™ Grid platform for dynamic and utility computing, and the Sun Java System — five integrated software systems for the data center, the desktop, the developer, mobile devices, and identity implementations.

The Java System is a radical new approach that changes forever the way businesses acquire, develop, and manage software. Only Sun has the experience and the end-to-end portfolio to deliver such a unique and industry-revolutionizing strategy. With the Java System, network services and critical business applications are up and running faster, easier, and at a lower cost than ever before, so you can focus on innovation, competition, and bottom-line results.

About Sun Microsystems, Inc.

Since its inception in 1982, customers have continually turned to Sun to help them grow their business, lower their costs, and gain competitive advantage. Sun is a leading provider of industrial-strength hardware, software, services, and technologies that make the Net work.

Sun Java™ System Portal Server Secure Remote Access

Platforms and Requirements

Operating Systems and Platforms

- Solaris 10 Operating System (SPARC and x86 Platform Editions) with Solaris Zones support
- Solaris 9 Operating System (SPARC and x86 Platform Editions)
- Solaris 8 Operating System (SPARC Platform Edition)
- Red Hat Enterprise Linux AS/ES/WS 2.1 U2 and 3 U1
- HP-UX 11i
- Windows XP and Windows Server 2003

System Requirements

- Memory: 512 MB (recommended)
- Disk Space: 1 GB for the Java System Portal Server Secure Remote Access and Java System Access Manager (recommended)
- Hardware: Single-processor, 450-MHz CPU system (minimum)

Supported Web Browsers

- Netscape™ Communicator v4.7x, 6.2.1+, and 7.x
- Microsoft Internet Explorer 5.0, 5.5, and 6.0
- Mozilla™ 1.7

For More Information

To learn more about the Java System Portal Server Secure Remote Access, please visit sun.com/software/portal_server.

1. The Magic Quadrant is copyrighted 2004 by Gartner, Inc. and is reused with permission. The Magic Quadrant is a graphical representation of a marketplace at and for a specific time period. It depicts Gartner's analysis of how certain vendors measure against criteria for that marketplace, as defined by Gartner. Gartner does not endorse any vendor, product, or service depicted in the Magic Quadrant, and does not advise technology users to select only those vendors placed in the "Leaders" quadrant. The Magic Quadrant is intended solely as a research tool and is not meant to be a specific guide to action. Gartner disclaims all warranties, express or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

Learn More

Get the inside story on the trends and technologies shaping the future of computing by signing up for the Sun Inner Circle program. You'll receive a monthly newsletter packed with information, plus access to a wealth of resources. Register today at sun.com/joinic.

Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 USA Phone 1-650-960-1300 or 1-800-555-9SUN Web sun.com



Sun Worldwide Sales Offices: Argentina +5411-4317-5600, Australia +61-2-9844-5000, Austria +43-1-60563-0, Belgium +32-2-704-8000, Brazil +55-11-5187-2100, Canada +905-477-6745, Chile +56-2-3724500, Colombia +571-629-2323, Commonwealth of Independent States +7-502-935-8411, Czech Republic +420-2-3300-9311, Denmark +45-4556-5000, Egypt +202-570-9442, Estonia +372-6-308-900, Finland +358-9-525-561, France +33-134-03-00-00, Germany +49-89-46008-0, Greece +30-1-618-8111, Hungary +36-1-489-8900, Iceland +354-563-3010, India-Bangalore +91-80-2298989/2295454; New Delhi +91-11-6106000; Mumbai +91-22-697-8111, Ireland +353-1-8055-666, Israel +972-9-9710500, Italy +39-02-641511, Japan +81-3-5717-5000, Kazakhstan +7-3272-466774, Korea +82-2-2193-5114, Latvia +371-750-3700, Lithuania +370-729-8468, Luxembourg +352-49-11-33-1, Malaysia +603-21161888, Mexico +52-5-258-6100, The Netherlands +00-31-33-45-15-000, New Zealand-Auckland +64-9-976-6800; Wellington +64-4-462-0780, Norway +47-23-36-96-00, People's Republic of China-Beijing +86-10-6803-5588; Chengdu +86-28-619-9333, Guangzhou +86-20-8755-5900; Shanghai +86-21-6466-1228; Hong Kong +852-2202-6688, Poland +48-22-8747800, Portugal +351-21-4134000, Russia +7-502-935-8411, Saudi Arabia +9661-273-4567, Singapore +65-6438-1888, Slovak Republic +421-2-4342-94-85, South Africa +27-11-256-6300, Spain +34-91-767-6000, Sweden +46-8-631-10-00, Switzerland-German 41-1-908-90-00; French 41-22-999-0444, Taiwan +886-2-8732-9933, Thailand +662-344-6888, Turkey +90-212-335-22-00, United Arab Emirates +9714-3366333, United Kingdom +44-0-1252-420000, United States +1-800-555-9SUN or +1-650-960-1300, Venezuela +58-2-905-3800, or online at sun.com/store

SUN™ © 2005 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, Java, the Java Coffee Cup logo, N1, Solaris, and The Network is the Computer are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc. Mozilla and Netscape are trademarks or registered trademarks of Netscape Communications Corporation in the United States and other countries. UNIX is a registered trademark in the United States and other countries, exclusively licensed through X/Open Company, Ltd. Information subject to change without notice. 1/05 R1.0