

Sun Java™ System Portal Server

Responsive Portal Platform for Enterprise Participation and Productivity



Highlights

- Increased enterprise productivity by enabling dynamic participation — end users empowered to create their own team and community portals
- Identity-based content delivery for personalized and secure portal experience
- Supports deployment and management of multiple portals from a single platform architecture
- New administration and management capabilities including out-of-the-box administration portlets for delegated administration and portal self service
- FatWire Spark Portal Content Management system fully supported without restrictions, included free
- Portlets for SAP, Oracle® (PeopleSoft), Siebel



The Sun Java™ System Portal Server provides a new level of enterprise productivity, enabling users and groups to work together easily and securely within the requirements of a dynamic organizational structure. Ensure more rapid and cost-effective deployment of successful enterprise portals by delivering identity-based content to employees and partners — increasing productivity by determining portal content depending on a user's identity-provisioned account. Provide end users with easy-to-use services that enable them to design customized community portals. Add compelling content and services to portal pages via custom development, with simple-to-use developer tools accessing Web services or data repositories via a content management system, workflow management, and enterprise integration.

Identity-based content delivery framework

The unique capabilities of the Java System Portal Server include identity-based content delivery, which determines a user's interaction with enterprise data and Web services. Identity-based content delivery allows enterprises to define portal pages providing access to various enterprise content specific to organizations, suborganizations, roles, and even user-defined communities. When accessing the portal, users are presented with an aggregation of their collective portal pages, providing a personalized, unified access point to information and applications they need to do their job. Authentication and authorization policies can be defined for a user's potentially multiple organizations and roles, so that even the most complex portals can be easily designed. The identity-based capabilities of the Java System Portal Server include:

- Web single sign-on (SSO) for secure login to the portal and all applications accessed through the portal, as well as across multiple portals for portal federation
- Flexible authentication and authorization services for changing and complex business environments

- Fine-grained policy rules so that multiple authentication mechanisms can be chained together to provide additional flexibility and integration of legacy systems

Collaboration framework

The Java System Portal Server features integrated collaborative services, enabling teams to dynamically form communities without help from IT, and add services and data to these communities to share throughout the enterprise. Communities consist of a dynamic set of users, set of community services, and collection of documents, content, and portal pages. They are simple for end users to create, using one of three out-of-the-box template types, which can be customized to meet enterprise needs. A number of community enabled portlets are included with the Java System Portal Server to decrease time to deployment and rapid integration of applications and services, such as:

- File sharing portlet that allows upload and download of files
- Wiki portlet for full Wiki capabilities within a portlet, including an editing toolbar
- Task management portlet for updating and tracking status of project tasks
- Community calendaring portlet which allows users to create community calendars

Positioned in the leadership quadrant in Gartner's Portal Product Magic Quadrant 2005.

G. Phifer, R. Valdes, D. Gootzit, K.

Underwood, L. Wurster*

- Survey and poll portlet for more rapid team decision making
- Discussion portlet for threaded discussions integrated with subscriptions, ratings, and search

Content management

Current, accurate, and relevant content is key to ensuring adoption and success of any enterprise portal. Content owners need the tools and processes to easily create, edit, review, and publish information to the portal without IT involvement.

Sun and FatWire have partnered to provide Java System Portal Server customers with unlimited-use licenses of FatWire Spark Portal Content Management (pCM) software at no cost. Content creation, administration, and system development functions are all provided with a business-user-friendly interface within prebuilt Spark portlets, including:

- Active List, Checkouts, Assignments, and History
- Workflow with approve/reject
- Check in/check out
- Rollback
- Search

Enhanced framework and administration

The Java System Portal Server adds many framework and administration features to better enable development and deployment of compelling enterprise portals.

Administration: A newly redesigned administration console in Java System Portal Server defines and controls multiple portals. Additionally, a new administration tag library and portlets are available for delegated administration. These portlets allow common functions — such as page layout, password reset, user administration, and so on — to be deployed to the non-technical user, freeing up IT administrators by enabling better self service to the end user.

User-based Tracking: The Java System Portal Server provides out-of-the-box reports and logging for user-based tracking and system operations. Run reports as HTML or PDF files from the administration console for statistics such as Portal Login, Portal Customization, Desktop Response, Channel Actions, and more. This data enables, for example, design of a better portal by understanding which portlets are more commonly used.

Interportlet Communication: Sun's new API allows developers to build combinations of portlets that work interactively.

Designed for Service Oriented Architecture (SOA)

A powerful portal is an important component to successful enterprise integration and Service Oriented Architecture (SOA) projects, as it provides end-user access to the new business processes and composite applications resulting from these projects. With an open and standards-based architecture, the Java System Portal Server provides a flexible framework for designing the service view of an SOA.

- Bidirectional Web Services for Remote Portlets (WSRP) support enables the portal to simultaneously produce and consume remote Web services.
- Interportlet communication API lets portlets share information with each other to create a greater degree of dynamism and adaptive behavior.
- Java Studio Creator now provides comprehensive support for Java System Portal Server. Customized portlets can be easily created using the powerful Java Studio Creator drag-and-drop editor. JavaServer™ Faces (JSF) and Apache Struts design methodologies are supported, and sample code and applications are included.
- Build portlets with Asynchronous JavaScript™ (AJAX) technology to enhance user experience.

Enterprise productivity features, functions, and benefits

Feature	Function	Benefit
Identity-based content delivery	Integrated identity management capabilities deliver information and services according to a user's identity, including access control, centralized user management, policy enforcement, and single sign on.	Provides increased security control of relevant business information and personalized experience for employees to perform their tasks.
Wikis	Users can create wikis from within a portlet and edit using the toolbar.	Increases team productivity.
Shared files	Share files with others in a group.	Increases ability to share and participate.
Group calendaring and task management	Users can create community/group calendars, update them, and track status of project tasks.	Improves effective interactions among stakeholders of a project.
Community surveys and polls	Make team decisions with user-created polls and surveys.	Speeds consensus-driven decisions.
Secure remote access and mobile access	Remote access to community resources — mail, calendar, address book, conference calling, files, portlets from any device.	Helps improve job satisfaction of employees by enabling access to information from anywhere, anytime.
Improved administration	One-click portal creation, remote administration, delegated administration, and more.	Simplifies administration. Helps administrators focus on delivery of business value to the enterprise.
Content management	Full, unrestricted FatWire license now included for creating, managing, and delivering content.	Reduces integration costs and time to deploy content.
Interportlet communication	Portlets share information with each other to create a greater degree of dynamism and adaptive behavior.	Reduces time and cost of deployment of integrated portal solutions.
Full-text search engine with federated search and taxonomy capabilities	Single request brings results from multiple search engines, plus enterprise information repositories and databases.	Accelerates access to relevant information.
Service oriented architecture (SOA)	Provide unified service view into new business processes and composite applications resulting from SOA and integration projects.	Helps deliver relevant services based on identity, and leverages existing IT resources.
Java Studio Creator support for portal development	Create powerful applications with the simplicity of drag and drop, with support for Web services, JSF, and struts.	Simplifies application development. Reduces upfront and maintenance costs.

- Supports Java and Web services standards to facilitate integration: Universal Description, Discovery, and Integration (UDDI), Web Services Description Language (WSDL), Simple Object Access Protocol (SOAP), Java Specification Request (JSR) 168, and Java API for XML (JAX).

Meeting the needs of mobile users

The Java System Portal Server includes access capabilities for secure anytime, anywhere access to Java System Portal Server applications, content, and services from nearly every type of mobile device and from outside the corporate firewall — easily and cost-effectively. Multiple device types are supported through a dynamic rendering engine to deliver any content regardless of markup language — Wireless Markup Language (WML), HTML, Compact HTML (cHTML), eXtensible HTML (xHTML), or Handheld Device Markup Language (HDML) — or platform, including Palm, iPAQ, RIM, Wireless Application Protocol (WAP), and i-mode phones. This effectively removes the need to create and maintain a template for each supported device. Remote access is enabled through Secure Sockets Layer (SSL) support for a virtual private network (VPN) solution — better known as SSL VPN — which allows remote users to access their portal securely and easily from outside the corporate firewall from any Web browser. Client-side software is not required, enabling faster and more cost-effective deployment to end users.

For more information

The Java System Portal Server is part of the Java Application Platform Suite and the Java Enterprise System. To learn more, visit sun.com/javaenterprisesystem. To get started using the

Java System Portal Server and the Solaris™ Enterprise System, visit Sun's download site at sun.com/software/javaenterprise/system/get.html.

Platform and requirements

Supported Platforms

- Sun™ comparable workstation or server (SPARC® or x86 that runs Solaris or Red Hat Enterprise Linux)

Operating System

- Solaris 10 OS for SPARC and x86 platforms <http://www.sun.com/software/solaris/>, including Zones support
- Solaris 9 OS for SPARC and x86 platforms <http://www.sun.com/software/solaris/9/>
- Solaris 8 OS for the SPARC platform <http://www.sun.com/software/solaris/8/>
- Red Hat Enterprise Linux WS/AS/ES 2.1 to 2.1U6
- Red Hat Enterprise Linux WS/AS/ES 3.0 to 3.0U4

RAM

- 1.5 GB of RAM for evaluation install
- 2-3 GB of RAM for minimal deployment

Virtual Memory

- 4 GB

Disk Space

- 3 GB of disk space for Java System Portal Server and associated applications

Supported Web Browsers

- Netscape™ 6, 7
- Internet Explorer 5.5 SP2, 6
- Mozilla™ 1.7

Learn More

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In addition to Java System Portal Server, these Sun software products (with restricted licenses) are included:

- Sun Java System Access Manager
- Sun Java System Directory Server
- Sun Java System Web Server
- Sun Java System Application Server (Enterprise Edition)

For more information on Sun's Java System Portal Server, please visit www.sun.com/software. Full details about Sun's partners and the Sun Partner Advantage Program are available at partneradvantage.sun.com.

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