

# Sun Enterprise Web Services Solutions

## Delivering a Pragmatic Services-Oriented Architecture



Sun has dedicated Enterprise Web Services expertise and resources to deliver a secure, integrated infrastructure for business agility. We'll help you design, deploy, and manage a complete solution with end-to-end hardware, software, and services offerings.

### Key Highlights

- Mitigates risks and helps you with regulatory compliance
- Provides an integrated platform for the deployment of Web Services
- Streamlines IT management, helps increase operational efficiency and reduces cost
- Optimizes system performance, scalability and reliability through a single integrated architecture and provides access to all application services, at any time, from anywhere
- Increases productivity quickly and affordably by accelerating enterprise evaluation and purchasing decisions while leveraging existing IT assets through compliance with open standards
- Extends secure access to all enterprise applications through secure portals with reduced deployment time and cost

Sun offers industry-leading Enterprise Web Services Solutions, which are based on the following platforms and product offerings:

- Service Oriented Architecture
- Sun Java™ Enterprise System (Java ES) software
- Sun Software Suites
- Web Services and Developers Tools
- Operating Systems and Platforms

Over the last few decades, IT departments have been challenged with providing software infrastructures that quickly respond to new business requirements. The infrastructure for accomplishing this goal has changed from client-server models to multi-tier architectures. The advent of web services and Service Oriented Architecture (SOA) has presented a new set of problems related to infrastructure management and improving productivity of business managers and IT staff. These new challenges make it difficult for businesses to be more agile, secure, and integrated in their processes. Sun delivers leading-edge, scalable Enterprise Web Services Solutions that help you increase operational efficiency and end user productivity through our horizontal and vertical solutions based on SOA methodology.

### Provides Business Agility

The need to operate globally is placing pressure on companies to become more flexible, respond to the market faster, and increase cost efficiencies. IT departments are struggling to address these issues with current budget constraints and underutilization of complex legacy systems rather than leveraging new technology. Enterprise Web Services can provide a flexible environment enabling companies to quickly respond to competitive pressures, while addressing business problems such as adhering to new government regulations, compliance issues and merging companies. These changes must be made quickly, easily and accurately in order for them to be current, compliant, competitive and cost effective. Sun's Enterprise Web Services Solutions, based on SOA methodology and Java™ ES platform, provides the agility required by enabling software applications to be developed and

implemented as “horizontal” or “vertical” complements to the Java ES platform. This facility is further enabled by adhering strictly to the principle of Open Standards, on which Java ES is based.

### Assistance with Security and Regulatory Compliance

Constantly changing government and corporate regulations, mergers and acquisitions as well as department consolidations, heighten the importance of security. These present great challenges for the business managers, who are trying to adjust to these changes, but it is more difficult for IT departments to implement solutions that can adapt quickly to these changes.

Proper access to data and being authorized to see it, use it or change it can also be an issue. Role-based access and protection of data assets are also a priority for companies

# Deliver cost-effective Web Application Services based on Service Oriented Architecture.

today. Sun's Enterprise Web Services Solutions offer a secure, role-based access to application services based on Federated Network Identity and industry-standard, scalable Directory Services. Secure Solaris OS™ and Java ES platform add additional levels of fundamental security features to ensure protection of data and corporate information. Single sign-on functionality makes it easier for the end-user to access application services and provides administrators the facility to track and manage security issues reliably.

## **Optimizes Your IT Infrastructure**

Whether you have a telco, government or healthcare enterprise, you need an integrated IT infrastructure which will address the disparate needs of your business managers and the problems of consolidation and integration to achieve efficiency. Therefore, an integrated environment that allows multiple portals, application servers, web servers, including secure access to available services addresses the need for a comprehensive, integrated foundation. Sun's Enterprise Web Services Solutions address this issue head-on by providing one integrated Java ES platform, based on SOA methodology. Moreover, Enterprise Web

Services Solutions offer "integratability" by strict compliance to open standards, so new compliant applications can be plugged in to the web services infrastructure to offer new application services in a simpler and more efficient manner.

## **Sun Enterprise Web Services Experts Help you Build the Right Solutions**

Sun helps you build and deliver an optimal web application services infrastructure, which includes:

- **Service Oriented Architecture**—An integrated software infrastructure and design framework based on the principle of web services using industry standard interfaces and protocols. SOA methodology offers a set of design principles and architectural best practices incorporating SOA-enabled middleware, identity management and business processes.
- **Enterprise Web Services Horizontal Solutions**—Working closely with renowned integration partners to develop composite horizontal solutions, based on SOA, address the requirement of business agility for all Enterprise Web Services. Security, regulatory compliance and IT infrastructure optimization requirements are addressed by horizontal solutions composed of Java ES platform and relevant Sun software suites.

- **Enterprise Web Services Vertical Solutions** — Industry-specific vertical solutions address the requirements of particular industries by collaborating with prominent partners that provide specific application services based on SOA-based integration platform. These vertical solutions currently address Financial Services, Government, Telecom and Healthcare industries, based on integrated SOA, offering enhanced visibility into business processes, improved decision making and responsiveness to changing market conditions.

**Sun Enterprise Web Services Solutions**

*Sun Java Enterprise System*

- Servers: Application, Portal, Web, Message Queue, Directory, Directory proxy, Messaging, Calendar, and Instant Messaging
- Portal Mobile Access Pack
- Portal Secure Remote Access
- Access Manager
- Sun Cluster
- Sun Cluster Agents
- N1™ Grid Service Provisioning
- Java Studio Enterprise
- Java Studio Creator

*Sun Software Suites*

- Sun Application Platform Suite
- Sun Identity Management Suite
- Sun Availability Suite
- Communications Suite
- Web Infrastructure Suite

*Service Oriented Architecture (SOA)*

- SOA Opportunity Assessment
- SOA Workshop

*Web Services and Developer Tools*

- Java Web Services Developer Pack
- Java Studio Enterprise
- Java Studio Creator

*Operating Systems and Platforms*

- Solaris 10 Operating System (SPARC® Platform Edition)
- Solaris 9 Operating System (SPARC Platform Edition)
- Solaris 9 Operating System (x86 Platform Edition)
- Solaris 8 Operating System (SPARC Platform Edition)
- Red Hat Enterprise Linux AS 2.1
- HP-UX
- MS Windows (coming in 2005)

**iForce™ Services: Innovating with Partners for Customer Success**

Sun web services solutions can be extended through the addition of components, applications, and services from market-leading, best-of-class Sun iForce™ partners to help provide you with the optimal solution to solve your business problem. For more information about the Sun iForce initiative, including business solutions, partners, and centers, please visit [www.sun.com/iforce](http://www.sun.com/iforce).

**Sun Expertise to Help your Business Thrive**

Based on more than 20 years of helping customers solve complex IT problems, we've developed a set of unique methodologies to help you achieve bottom-line business results. Our dedicated team of network computing experts draws from our comprehensive portfolio of solution building blocks—combining our strength in network computing and our production-proven R&D with the expertise of our best-in-class partners—that we implement as complete solutions to your unique business challenges. Sun offers solutions to help you optimize your business, manage change, and reduce risk for a more effective, efficient, and flexible IT infrastructure.

**For More Information**  
 To learn more about Sun Enterprise Web Services software, please visit [sun.com/software](http://sun.com/software).

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 +822-2193-5114, 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

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