



# Sun GlassFish™ Portfolio

Reduce costs by more than 90% and improve application price/performance by 7 times over alternative offerings.

## Highlights

- Enables rapid deployment of departmental projects with scalability for high-volume, mission-critical applications
- Provides the most complete open-source stack for Web application platforms
- Is easy to acquire, easy to install, and easy to use
- Accommodates all levels of enterprises — large Fortune 500 companies, small and medium businesses, start-ups, and small departments within an enterprise
- Offers flexible, subscription-based pricing



Over the last ten years, legacy proprietary application servers have become exceedingly complex due to the continual addition of so many niche features. As a result, IT is challenged to meet the short project deployment schedules their businesses demand. And while the functionality of these application servers has increased, so has the price — even when most of the new features may have no immediate value to the business. While a few mission-critical, enterprise-wide deployments rely on the high-value features of expensive, proprietary Web and application infrastructure software, most can now benefit from a lower-cost platform to deliver high-performance applications.

The Sun GlassFish™ Portfolio provides the middleware software needed to deliver Web applications throughout the enterprise in a faster and cost-effective manner. The most complete application platform stack of components available from an open-source community, it can support smaller, low-cost deployments as well as extensive, mission-critical deployments — all at a simple, low, and predictable cost.

The portfolio is based on Project GlassFish, an open-source application server that implements Java™ Platform, Enterprise Edition 5 (Java EE) technology. Project GlassFish has been adopted across a broad and extensive ecosystem of community members, including independent software vendors (ISVs) and global and regional system integrators (SIs).

The GlassFish Portfolio offers two pricing options: an “unlimited” pricing model that lowers initial cost, provides more predictable future costs, and enables rapid scaling; and per-server pricing for initial or limited-scope projects with no restrictions on type of hardware or CPU cores.

## Price/performance leadership

The GlassFish Portfolio is the price/performance leader as validated by the SPECjAppServer 2004 benchmark<sup>1</sup>

(dated 11/03/2008), which measures the performance of Java EE technology-based application servers under a heavy load. For a real-world scenario, price/performance encompasses software, hardware, drivers, and more. During these industry-standard tests, Sun’s solution (which included Sun GlassFish Enterprise Server) was the lowest cost of all vendors and had a price/performance ratio 7 times or greater than other solutions.

## Simplicity

The GlassFish Portfolio simplifies Web application development, deployment, and support. Setup and cluster configuration take less than 10 minutes, and Tomcat applications can run unmodified on GlassFish Enterprise Server. The portfolio also includes powerful UI- and CLI-based administration, consistently rated as the easiest to use.

The portfolio permits faster innovation because of its appeal to independent developers of open ecosystems. It is easy for developers to access (just download, install, and run) and provides an intuitive GUI with Eclipse and NetBeans™ tool kits.

1. SPECjAppServer2004 benchmark, 11/05/08, <http://www.sun.com/servers/x64/x4150/benchmarks.jsp?display=3#3>

### Standards-based, open-source

The Sun GlassFish Portfolio delivers a complete LAMP/SAMP stack preconfigured for optimal performance, multi-language support (Ruby, PHP, Java), Web presentation with portal and integration technologies, message queue capabilities, and an enterprise service bus based on the Java Business Integration standards (JBI-JSR 208) to improve flexibility and eliminate vendor lock-in.

Additionally, Sun offers developers the benefit of transparency and early access along with the ability to influence and contribute to future Sun GlassFish Portfolio enhancements through the open-source GlassFish community.

### The GlassFish Portfolio

Offering cost-effective scalability, unparalleled price/performance, and feature richness, the Sun GlassFish Portfolio is a complete application platform that includes:

**Sun GlassFish Enterprise Server** — A comprehensive support offering for GlassFish, the leading open-source and open-community platform for building and deploying next-generation applications and services, GlassFish Enterprise Server is ideal for service-oriented architectures and rich Internet applications utilizing Java EE, PHP, AJAX, and JRuby.

**Sun GlassFish Web Space Server** — A next-generation portal server platform, GlassFish Web Space Server provides a new class of portal functionality that enables users to define their own Web spaces. With built-in content and document management, human workflow development tools, enterprise identity integration, and social networking features, system

administrators and application developers can now deploy a platform that allows for rapid rollout of next-generation Web capabilities.

**Sun GlassFish Enterprise Service Bus (ESB)** — A Java technology-compliant, Web services-based, pluggable integration platform, GlassFish ESB incorporates the Java Business Integration (JBI) standard to allow loosely coupled components to communicate with each other through standards-based messaging. It provides core integration, including comprehensive application connectivity, guaranteed messaging, and robust transformation capabilities as well as a unified environment for integration development, deployment, monitoring, and management.

**Sun GlassFish Web Stack** — A cross-platform portfolio of Web-tier technologies developed by several open-source communities, GlassFish Web Stack includes components compiled, preconfigured, and tested by Sun for optimal performance and compatibility. The GlassFish Portfolio includes Apache Web Server and Sun Web Server, providing flexibility and choice — all from one vendor. IT departments can use Web development technology they already know, including Apache HTTP, PHP, Ruby, Python, MySQL™, and more with confidence.

In addition, the GlassFish Portfolio includes the following key functionalities:

**Message Queue** enables loosely coupled applications to reliably exchange messages and cost-effectively scale. Applications can produce and consume messages at different rates without causing data traffic jams or system gridlock. It easily scales to meet a company's needs now and as application needs grow.

#### Learn More

For more information about the Sun GlassFish Portfolio, visit [www.sun.com/glassfish](http://www.sun.com/glassfish).

**Update Center** enables enterprises to easily download, install, patch, and manage multiple implementations of the GlassFish Portfolio components. It allows users to access all of the GlassFish Portfolio as well as ancillary components and provides notification, access, and installation of available patch updates.

**Enterprise Manager** provides additional value to the application monitoring and management available within the GlassFish Administration Console. It delivers tools for performance monitoring and tuning as well as support for SNMP monitoring.

#### Why Sun?

With the GlassFish Portfolio, enterprises no longer have to choose between open-source and enterprise features; they get all the advantages of enterprise-class features and support, best-in-class performance, and cost-efficient pricing.

When combined with MySQL Enterprise Server, the most reliable, secure and up-to-date version of the MySQL database, the GlassFish Portfolio provides a feature-rich, low-cost alternative for extending application middleware.