



# Sun GlassFish Portfolio 2009.12 Release Notes



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# Preface

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This *Release Notes* document contains important information about Sun GlassFish Portfolio 2009.12 software. Read this document before you begin using GlassFish Portfolio 2009.12 software to improve your overall installation, upgrade, and operation experience. This document is updated as needed to describe new issues as they arise.

The most recent version of this document can be found in the [Sun GlassFish Portfolio 2009.12 Document Collection](#).

## Who Should Use This Book

These *Release Notes* are intended for Java technology developers and administrators. These notes are not intended for general Java technology end users. A familiarity with Java technologies, programming, and administrative concepts and techniques is assumed.

## Before You Read This Book

It is recommended that you review these *Release Notes* before installing, upgrading, or configuring GlassFish Portfolio components. After reviewing these notes, you may wish to proceed with the *Sun GlassFish Portfolio Installation and Upgrade Guide*.

## Related Books

Refer to the [Sun GlassFish Portfolio 2009.12 Document Collection](#) for additional information about GlassFish Portfolio 2009.12.

For complete information about the individual components in the Java ES platform, refer to the documentation available on the [Sun Microsystems Documentation](#) page

## Related Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

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## Documentation, Support, and Training

The Sun web site provides information about the following additional resources:

- [Documentation \(http://www.sun.com/documentation/\)](http://www.sun.com/documentation/)
- [Support \(http://www.sun.com/support/\)](http://www.sun.com/support/)
- [Training \(http://www.sun.com/training/\)](http://www.sun.com/training/)

## Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. To share your comments, go to <http://docs.sun.com> and click Feedback.

## Typographic Conventions

The following table describes the typographic conventions that are used in this book.

TABLE P-1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name% you have mail.</code>
<b>AaBbCc123</b>	What you type, contrasted with onscreen computer output	<code>machine_name% su</code> Password:
<i>aabbcc123</i>	Placeholder: replace with a real name or value	The command to remove a file is <code>rm filename.</code>

TABLE P-1 Typographic Conventions (Continued)

Typeface	Meaning	Example
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . A <i>cache</i> is a copy that is stored locally. Do <i>not</i> save the file. <b>Note:</b> Some emphasized items appear bold online.

## Shell Prompts in Command Examples

The following table shows the default UNIX® system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell	machine_name%
C shell for superuser	machine_name#
Bourne shell and Korn shell	\$
Bourne shell and Korn shell for superuser	#





# GlassFish Portfolio 2009.12 Overview

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Sun GlassFish Portfolio 2009.12 is a set of Sun open source Java™ components that provides the foundation to develop and deploy Web and enterprise applications. The portfolio is a cost-effective way to acquire, manage, and maintain critical aspects of your web platform.

The most complete application platform stack of components available from an open source community, the GlassFish Portfolio can support smaller, low-cost deployments as well as extensive, mission-critical deployments. The components that make up GlassFish Portfolio are offered separately and also at various support levels; you can pick the components you want as well as the type of licensing format that best suits your organization's needs.

GlassFish Portfolio is based on the Sun Java™ Enterprise System 7 (Java ES 7) platform, which is a comprehensive set of subscription-based services that combines software, support, professional services, and educational services in a single package, for a single price. The software components within Java ES 7 are rigorously tested to ensure interoperability and reliability.

The specific set of components in your GlassFish Portfolio distribution depend on the subscription licensing level your organization has purchased. Refer to [“Products in GlassFish Portfolio 2009.12” on page 10](#) for the most current list of products and product versions available in GlassFish Portfolio 2009.12.

You may also want to refer to [“Products in Java ES 7 Base” in \*Sun Java Enterprise System 7 Release Notes\*](#) for the most current list of products included in Java ES 7 Base.

The remainder of this guide covers the following topics:

- [“Products in GlassFish Portfolio 2009.12” on page 10](#)
- [“GlassFish Portfolio 2009.12 Licensing Formats” on page 10](#)
- [“Platform Support and System Requirements” on page 13](#)
- [“What's New in GlassFish Portfolio 2009.12” on page 13](#)
- [“Getting and Installing GlassFish Portfolio 2009.12” on page 15](#)
- [“Known Issues and Limitations” on page 15](#)

## Products in GlassFish Portfolio 2009.12

The Sun GlassFish Portfolio 2009.12 provides the middleware services and software needed to deliver Web applications throughout an enterprise. [Table 1–1](#) lists the components included in the GlassFish Portfolio 2009.12:

TABLE 1–1 Products in GlassFish Portfolio 2009.12

Product	Description
<a href="#">Sun GlassFish Enterprise Server 2.1.1</a>	Enterprise Server is the leading open source platform for building and deploying next-generation applications and services. More information on GlassFish Enterprise Server
<a href="#">Sun GlassFish Web Stack 1.5</a>	Web Stack is an integrated stack of popular open source, Web-tier infrastructure technologies such as Apache HTTP server, MySQL, memcached, PHP, and Ruby. More information on Web Stack
<a href="#">Sun Java System Web Server 7.0 Update 6</a>	Web Server improves Web security, enhances the end-user experience, and reduces the cost and complexity of deploying and managing Web applications. More information on Web Server
<a href="#">Sun Java System Web Proxy Server 4.0.11</a>	Web Proxy Server caches and filters Web content for e-commerce solutions, enterprise customers, or Internet Service Providers (ISPs). More information on Web Proxy Server
<a href="#">Sun Java System Message Queue 4.3</a>	Message Queue enables loosely coupled applications to reliably exchange messages and to scale cost-effectively. More information on Message Queue
<a href="#">Sun GlassFish Web Space Server 10.0 Update 6</a>	Web Space Server is a new class of portal that enables users to define their own Web spaces. More information on Web Space Server
<a href="#">Sun GlassFish Enterprise Service Bus (ESB) 2.1</a>	ESB is a pluggable integration platform that incorporates the Java Business Integration (JBI) standard to allow loosely-coupled components to communicate with each other through standards-based messaging. More information on ESB
<a href="#">HADB 4.4.3-21</a>	An add-on product, HADB is a database used by Enterprise Server as a highly available data store for HTTP session and stateful session bean data.
<a href="#">Sun GlassFish Enterprise Manager 1.0</a>	An add-on product, Enterprise Manager is a collection of tools for performance monitoring and tuning. Includes Performance Advisor, Performance Monitor, and SNMP Monitoring. More information on Enterprise Manager

## GlassFish Portfolio 2009.12 Licensing Formats

GlassFish Portfolio 2009.12 software is offered in two licensing formats: *per-server* or *unlimited*.

- A **per-server subscription** is an annual subscription based on the number of physical or virtual servers on which the GlassFish Portfolio software components are deployed.
- An **unlimited subscription** is an annual subscription based on the number of company employees.

Per-server offerings include *Basic*, *Silver*, and *Gold*. Unlimited subscriptions are offered at *Gold* and *Platinum* levels. [Table 1–2](#) describes these subscription levels in more detail.

TABLE 1–2 GlassFish Portfolio Subscription Level Offerings

Level	Description
<b>Basic</b>	Includes Sun GlassFish Enterprise Server, and Sun GlassFish Web Stack on a <b>per-server</b> basis.
<b>Silver</b>	Includes the Basic components, plus Sun Web Server, Sun Java System Message Queue, and Sun Web Proxy Server on a <b>per-server</b> basis.
<b>Gold</b>	Includes the Basic and Silver components, plus HADB. Enterprise Manager components are also included: Performance Advisor, Performance Monitor, and SNMP Monitoring. All components included on a <b>per-server</b> basis.
<b>Gold Unlimited</b>	Includes all Gold components, plus Sun GlassFish Web Space Server and Sun GlassFish Enterprise Server Bus on an <b>unlimited</b> basis.
<b>Platinum Unlimited</b>	Includes all Gold Unlimited Components, plus Sun GlassFish Web Space Server and Sun GlassFish Enterprise Server Bus. Also includes account management. All components included on an <b>unlimited</b> basis.

[Table 1–3](#) lists the components that are included with each offering of the Sun GlassFish Portfolio. Links to the documentation for each component are also provided.

TABLE 1–3 Sun GlassFish Portfolio Offerings and Documentation

Component	Basic	Silver	Gold, Gold Unlimited	Platinum Unlimited	Documentation
Sun GlassFish Enterprise Server 2.1.1	Included	Included	Included	Included	<a href="#">GlassFish 2.1 document collection</a>  “Hardware and Software Requirements” in <i>Sun GlassFish Enterprise Server v2.1.1 Release Notes</i>
Sun GlassFish Web Stack 1.5	Included	Included	Included	Included	<a href="#">Release Notes</a>
Sun Web Server 7.0 U6		Included	Included	Included	<a href="#">Web Server document collection</a>  “Supported Platforms” in <i>Sun Java System Web Server 7.0 Update 6 Release Notes</i>

TABLE 1-3 Sun GlassFish Portfolio Offerings and Documentation (Continued)

Component	Basic	Silver	Gold, Gold Unlimited	Platinum Unlimited	Documentation
Sun Web Proxy Server 4.0.11		Included	Included	Included	Web Proxy Server document collection  “Platform Summary” in <i>Sun Java System Web Proxy Server 4.0.11 Release Notes</i>
Sun Message Queue 4.3		Included	Included	Included	Message Queue document collection  “Message Queue 4.3 Supported Platforms and Components” in <i>Sun Java System Message Queue 4.3 Release Notes</i>
Sun GlassFish Web Space Server 10.0 U6			Included in Gold Unlimited only	Included	Web Space Server document collection  “Software and Hardware Requirements” in <i>Sun GlassFish Web Space Server 10.0 Installation Guide</i>
Sun GlassFish Enterprise Service Bus (ESB) 2.1			Included in Gold Unlimited only	Included	ESB document collection
Sun GlassFish HADB 4.4.3-21			Included	Included	“HADB Requirements and Supported Platforms” in <i>Sun GlassFish Enterprise Server v2.1.1 Release Notes</i>

TABLE 1-3 Sun GlassFish Portfolio Offerings and Documentation (Continued)

Component	Basic	Silver	Gold, Gold Unlimited	Platinum Unlimited	Documentation
Enterprise Manager 1.0			Included	Included	GlassFish 2.1 document collection
<ul style="list-style-type: none"> <li>■ Performance Advisor</li> <li>■ Performance Monitor</li> <li>■ SNMP Monitoring</li> </ul>					<ul style="list-style-type: none"> <li>■ “System Requirements” in <i>Sun GlassFish Enterprise Manager Performance Advisor 1.0 Release Notes</i></li> <li>■ “Platform Requirements” in <i>Sun GlassFish Enterprise Manager Performance Monitor 1.0 Release Notes</i></li> <li>■ “System Requirements” in <i>Sun GlassFish Enterprise Manager SNMP Monitoring 1.0 Release Notes</i></li> </ul>
Web Stack Enterprise Manager 1.5	Included	Included	Included	Included	Release Notes
<ul style="list-style-type: none"> <li>■ Monitoring</li> <li>■ Management</li> </ul>					
Sun Continuous Integration Server	1 server, 1 node	1 server, 10 nodes	Per server subscription; 1 server, 25 nodes; Unlimited subscription, unlimited use	Unlimited subscription, unlimited use	Continuous Integration Server

## Platform Support and System Requirements

The platform support and systems requirements for GlassFish Portfolio 2009.12 are the same as those for Java ES 7 Base. Refer to [“Platform Support and System Requirements” on page 13](#) for the most current list.

Also note that specific platform support may vary across individual component products. Be sure to refer to the platform requirements listed in the product documentation for each component product.

## What's New in GlassFish Portfolio 2009.12

Overall, compared to GlassFish Portfolio 2009.02, updates to the GlassFish Portfolio 2009.12 components primarily comprise product version updates, bug fixes, and minor changes to subscription offerings. No new products have been added.

- “New Products” on page 14
- “Product Version Updates” on page 14
- “Modified Subscription Model” on page 14
- “New Download Model” on page 14
- “Expanded Platform Support” on page 14
- “Accessibility Features” on page 15

### **New Products**

No new products have been added in the update GlassFish Portfolio 2009.12.

### **Product Version Updates**

GlassFish Portfolio 2009.12 includes the new versions of the following products:

- Sun GlassFish Enterprise Server (2.1 ⇒ 2.1.1)
- Sun OpenSSO Enterprise (8.0 ⇒ 8.0U1P2)
- Sun Java System Web Server (7.0U4 ⇒ 7.0U6)
- Sun Java System Web Proxy Server (4.0.8 ⇒ 4.0.11)
- Sun GlassFish Web Space Server (10.0 ⇒ 10.0U6)
- Sun GlassFish Web Stack (1.5)
- Sun Java System Message Queue (4.3)
- HADB (4.4.3-21)

Refer to [Table 1–1](#) for the latest product version numbers.

### **Modified Subscription Model**

The GlassFish Portfolio subscription model has been changed slightly in the 2009.12 release. Specifically, the per-server Platinum level has been dropped. The Platinum Unlimited level is still available.

See “[GlassFish Portfolio 2009.12 Licensing Formats](#)” on page 10 for complete details about current GlassFish Portfolio licensing options.

### **New Download Model**

GlassFish Portfolio 2009.12 is easier to download and maintain compared to previous versions. Specifically, rather than offering the product as a single ZIP download from eFulfilment and DigitalRiver, there are now pointers to download individual products, making the product installation easier and more flexible.

### **Expanded Platform Support**

GlassFish Portfolio 2009.12 has been tested and approved for the VMware vSphere 4 Virtualized Environment.

## Accessibility Features

Most Java ES 7 and GlassFish Portfolio 2009.12 components are designed to support a comprehensive range of United States and international accessibility standards and requirements. These requirements are designed to assure ease of use and full accessibility to all GlassFish Portfolio features for users with various visual and/or physical limitations.

The accessibility features built into and tested with GlassFish Portfolio 2009.12 software include the following:

- All graphical interface elements are fully navigable with the keyboard, including the Tab, arrow, and Enter keys.
- All forms embedded in application pages are friendly to assistive technologies through various methods, such as attaching a label to each form field, or providing an appropriate title or other nonvisual text element to each element.
- Alternative text strings are provided for all non-text elements, including icons, images, and logos.
- All dynamic elements, including Javascript code and menus and pop-up menus with strings that are displayed when a mouse is hovered over them, have embedded text string identifiers that can be read by assistive technologies.
- Product documentation, including PDF and HTML versions, have been written according to accessibility standards.
- Most or all GlassFish Portfolio component products have been tested and are expected to work with a variety of assistive technologies for several operating environments, including:
  - Mac OS X: Universal Access
  - Solaris and OpenSolaris: Orca
  - Linux: Orca
  - Windows: JAWS, System Access

## Getting and Installing GlassFish Portfolio 2009.12

For instructions on getting and installing GlassFish Portfolio 2009.12 software, refer to the [Sun GlassFish Portfolio Installation and Upgrade Guide](#).

## Known Issues and Limitations

The known issues and limitations in GlassFish Portfolio 2009.12 directly bear on those for the Java ES 7 platform as a whole. Refer to [Chapter 3, “Known Issues and Limitations,” in Sun Java Enterprise System 7 Release Notes](#) for the most current list.

