



Planning for GlassFish ESB Installation



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Planning for GlassFish ESB Installation

This topic provides background information you should know before you install GlassFish ESB using a graphical user interface (GUI) or a command line interface (CLI). If you have any questions or problems, go to the GlassFish ESB web site at <http://www.glassfish-esb.org>.

What You Need to Know Before Installing

- “GlassFish ESB Supported Operating Systems and External Systems” on page 6
- “Before You Install” on page 10
- “Preparing for Installation” on page 10
- “UNIX and Linux Patches” on page 11

For GlassFish ESB, GUI and command-line interface (CLI) installations are available for all supported operating systems. The CLI installation lets you specify installation parameters in a state file that is invoked using command line options. It has the option of a silent installation, which is run completely in the background. The GUI installer's wizard takes you through an interactive installation, prompting you along the way with installation questions.

A complete installation includes the following components:

- NetBeans™ IDE 6.7.1
- GlassFish v2.1.1
- Open ESB core components
- Java Business Integration (JBI) service engines
- Java Business Integration (JBI) binding components
- Java Business Integration (JBI) component tooling
- Sun Uninstallation software.

Note – IDE is an acronym for an integrated development environment. It consists of a number of components, such as a compiler, source code editor, build tools, debugger, browser, object inspector, class hierarchy diagram, and so on. These components can be used when performing object-oriented software development. The integrated tools can also be used to build a graphical user interface (GUI).

Important Installation Notes:

- GlassFish ESB does not support spaces in the installation directory path.
- You must have the JDK™ (Java Development Kit) software installed and JAVA_HOME set prior to installing GlassFish ESB or the Installer will halt the installation. See [“JDK and JAVA_HOME” on page 10](#) for more information.

GlassFish ESB Supported Operating Systems and External Systems

The following topics list the supported operating systems for both the design-time (NetBeans) and runtime (GlassFish) components of GlassFish ESB, and also list the supported external systems for the components of GlassFish ESB.

- [“Supported Design-Time Platforms” on page 6](#)
- [“Supported Runtime Platforms” on page 7](#)
- [“Supported External Systems” on page 8](#)

For a list of supported standards, expand the link under *How is OpenESB different?* in [About Open ESB \(https://open-esb.dev.java.net/AboutOpenEsb.html\)](#).

Supported Design-Time Platforms

The operating systems that are compatible with GlassFish ESB design-time components are the same as those that are compatible with NetBeans 6.7.1:

- Sun Solaris 10 SPARC® (64 bit)
- Sun Solaris 10 x86 (32 bit and 64 bit)
- Sun Solaris 9 SPARC (64 bit)
- OpenSolaris 2008.05 (evaluation support only)
- OpenSolaris 2008.11 (evaluation support only)
- Microsoft Windows XP SP3 (32 bit)
- Microsoft Windows 2000 SP4 (32 bit)

- Microsoft Windows Server 2003 R2 SP2 (32 bit)
- Microsoft Windows Server 2003 SP2 (32 bit)
- Microsoft Windows Vista Business SP1 (32 bit)
- Microsoft Windows Server 2008 (32 bit)
- Red Hat Enterprise Linux AS 4 (32 bit and 64 bit)
- Red Hat Enterprise Linux AS 5 (32 bit and 64 bit)
- Red Hat Enterprise Linux Server 5.3 – basic Server and Advanced Platform (32 and 64 bit)
- Macintosh OS X 10.5 x86 (32 bit)
- Macintosh OS X 10.5 PPC (32 bit)

Supported Runtime Platforms

The operating systems that are compatible with GlassFish ESB runtime components are the same as those that are compatible with GlassFish v2.1.1:

- Sun Solaris 10 SPARC (JVM: 32 and 64 bit)
- Sun Solaris 9 SPARC (JVM: 32 bit)
- Sun Solaris 10 x86 (OS: 32 and 64 bit; JVM: 32 bit)
- OpenSolaris 2008.05 x86 (OS: 64 bit; JVM: 32 bit) (evaluation support only)
- OpenSolaris 2008.11 (OS: 32 bit; JVM: 32 bit) (evaluation support only)
- Microsoft Windows XP SP3 (OS: 32 bit; JVM: 32 bit)
- Microsoft Windows 2000 SP4 (OS: 32 bit; JVM: 32 bit)
- Microsoft Windows Server 2003 SP2 (OS: 32 bit; JVM: 32 bit)
- Microsoft Windows Server 2003 R2 SP2 (OS: 32 bit; JVM: 32 bit)
- Microsoft Windows Vista Business SP1 (OS: 32 bit; JVM: 32 bit)
- Microsoft Windows Server 2008 (OS: 32 bit; JVM: 32 bit)
- Red Hat Enterprise Linux AS 4 (OS: 32 bit and 64 bit; JVM: 32 bit)
- Red Hat Enterprise Linux AS 5 (OS: 32 bit and 64 bit; JVM: 32 bit)
- Red Hat Enterprise Linux Server 5.3 – basic Server and Advanced Platform (OS: 32 bit and 64 bit; JVM: 32 bit)
- Macintosh OS X 10.5 x86 (OS: 32 bit; JVM: 32 bit)
- Macintosh OS X 10.5 PPC (OS: 32 bit; JVM: 64 bit)
- IBM AIX 5L Version 5.3 TL9 (OS: 64 bit; JVM: 32 bit)
- IBM AIX 5L Version 6.1 (OS: 64 bit; JVM: 32 bit)

Note – Macintosh OS X is supported for development purposes only, and is not supported for production deployments.

Supported External Systems

This topic lists the external systems that are supported for each GlassFish ESB component.

BPEL Service Engine

- Oracle 11g
- Oracle 10g
- Oracle 9i
- MySQL CS 5.1
- MySQL ES 5.1.32
- SQL Server 2005
- JavaDB (Derby)

The BPEL Service Engine supports BPEL 2.0.

IEP Service Engine

- Oracle 11g
- Oracle 10g
- Oracle 9i
- MySQL ES 5.1.32
- JavaDB (Derby)

WLM Service Engine

- Oracle 11g
- Oracle 10g
- MySQL ES 5.1.32
- JavaDB (Derby)

WLM Service Engine also supports these LDAP directory platforms:

- Windows Server 2003 R2 Active Directory
- Sun Java System Directory Server v6.3.1
- OpenDS 2.0.0

Sun Master Index

- Oracle 11g
- Oracle 10g
- MySQL ES 5.1.32
- Microsoft SQL Server 2005

- Microsoft SQL Server 2008

Data Mashup Service Engine

- Oracle 11g
- Oracle 10g
- Oracle 9i
- MySQL ES 5.1.32
- DB2 9.1
- Microsoft SQL Server 2005 with SP2
- Sybase 15
- Java DB (Derby)

HL7 Binding Component

- HL7 Standard versions 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.5.1, and 2.6

HTTP Binding Component

- OpenSSO Enterprise 8
- Access Manager 7.1

HTTP Binding Component

- OpenSSO Enterprise 8
- Access Manager 7.1

JMS Binding Component

- JMQ 4.3
- WebLogic 9.2
- WebLogic 10
- WebSphere 6.1
- JBOSS 4.2

LDAP Binding Component

- Sun Java System Directory Server Enterprise Edition 6.3.1
- Windows Server 2003 Active Directory
- OpenLDAP 2.4.11
- OpenDS 1.2.0

Preparing for Installation

JDK and JAVA_HOME

Linux (Red Hat and SUSE)	JDK5: At least release 1.5.0_14
	JDK6: At least release 1.6.0_03
IBM AIX 5.3	JDK5: At least release 1.5.0_14
IBM AIX 6.1	JDK6: IBM-supplied JDK 1.6 SR7
Macintosh	JDK5: The latest 1.5 release supported by Apple
Microsoft Windows	JDK5: At least release 1.5.0_14
	JDK6: At least release 1.6.0_03



Caution – It is not recommended to use JDK 1.6.0_13 or 1.6.0_14 with GlassFish ESB v2.1 due to issues with several of the wizards used to develop applications. In addition, the GlassFish ESB Installer fails to install on Windows when using JDK 1.6.0_13 or 1.6.0_14. The GlassFish ESB Installer does not support JDK release 1.6.0_04 in the 64-bit version on the Solaris SPARC or AMD 64-bit environments. The installer also does not support JDK release 1.6.0 or later on AIX 5.3.

UNIX and Linux Patches

There are required and certified UNIX and Linux patches for GlassFish ESB. The following topics provide information about patches:

- [“Checking Patch Levels” on page 11](#)
- [“Certified Sun Solaris 9 and 10 Patches” on page 12](#)
- [“Linux Patches” on page 12](#)

Checking Patch Levels

Use these commands to check which patch levels are currently installed on your operating system:

- Sun Solaris patches


```
pkginfo
cat /etc/release
```
- Linux patches


```
uname -a
```

Certified Sun Solaris 9 and 10 Patches

Daylight Savings Time Patches

If you want your logger and scheduling to be correct, you need to install the appropriate patches:

- **SPARC Platform**
 - Solaris 10 with timezone patch 122032-04 or later and libc patch 119689-07 or later
- **AMD Opteron Platform**
 - Solaris 10 with timezone patch 122033-03 or later and libc patch 121208-02 or later

Linux Patches

The following patches are certified patches for Red Hat Linux and SUSE Linux:

Certified SUSE Linux Enterprise Server 10 Daylight Savings Time Patch

If you want your logger and scheduling to be correct on your Linux systems, you need to install this Daylight Savings Time patch:

`tzdata-2007c-1.el2_1`