

Oracle® GlassFish Server 3.0.1 Installation Guide

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Preface

This document contains instructions for installing and uninstalling Oracle GlassFish Server 3.0.1 and GlassFish Server Open Source Edition 3.0.1 software.

This preface contains information about and conventions for the entire Oracle GlassFish Server (GlassFish Server) documentation set.

GlassFish Server 3.0.1 is developed through the GlassFish project open-source community at <https://glassfish.dev.java.net/>. The GlassFish project provides a structured process for developing the GlassFish Server platform that makes the new features of the Java EE platform available faster, while maintaining the most important feature of Java EE: compatibility. It enables Java developers to access the GlassFish Server source code and to contribute to the development of the GlassFish Server. The GlassFish project is designed to encourage communication between Oracle engineers and the community.

The following topics are addressed here:

- “GlassFish Server Documentation Set” on page 5
- “Related Documentation” on page 7
- “Typographic Conventions” on page 8
- “Symbol Conventions” on page 8
- “Default Paths and File Names” on page 9
- “Documentation, Support, and Training” on page 10
- “Searching Oracle Product Documentation” on page 10
- “Third-Party Web Site References” on page 10

GlassFish Server Documentation Set

The GlassFish Server documentation set describes deployment planning and system installation. The Uniform Resource Locator (URL) for GlassFish Server documentation is <http://docs.sun.com/coll/1343.13>. For an introduction to GlassFish Server, refer to the books in the order in which they are listed in the following table.

TABLE P-1 Books in the GlassFish Server Documentation Set

Book Title	Description
<i>Release Notes</i>	Provides late-breaking information about the software and the documentation. Includes a comprehensive, table-based summary of the supported hardware, operating system, Java Development Kit (JDK), and database drivers.
<i>Quick Start Guide</i>	Explains how to get started with the GlassFish Server product.
<i>Installation Guide</i>	Explains how to install the software and its components.
<i>Upgrade Guide</i>	Explains how to upgrade to the latest version of GlassFish Server. This guide also describes differences between adjacent product releases and configuration options that can result in incompatibility with the product specifications.
<i>Administration Guide</i>	Explains how to configure, monitor, and manage GlassFish Server subsystems and components from the command line by using the <code>asadmin(1M)</code> utility. Instructions for performing these tasks from the Administration Console are provided in the Administration Console online help.
<i>Application Deployment Guide</i>	Explains how to assemble and deploy applications to the GlassFish Server and provides information about deployment descriptors.
<i>Your First Cup: An Introduction to the Java EE Platform</i>	Provides a short tutorial for beginning Java EE programmers that explains the entire process for developing a simple enterprise application. The sample application is a web application that consists of a component that is based on the Enterprise JavaBeans specification, a JAX-RS web service, and a JavaServer Faces component for the web front end.
<i>Application Development Guide</i>	Explains how to create and implement Java Platform, Enterprise Edition (Java EE platform) applications that are intended to run on the GlassFish Server. These applications follow the open Java standards model for Java EE components and APIs. This guide provides information about developer tools, security, and debugging.
<i>Add-On Component Development Guide</i>	Explains how to use published interfaces of GlassFish Server to develop add-on components for GlassFish Server. This document explains how to perform <i>only</i> those tasks that ensure that the add-on component is suitable for GlassFish Server.
<i>Embedded Server Guide</i>	Explains how to run applications in embedded GlassFish Server and to develop applications in which GlassFish Server is embedded.
<i>Scripting Framework Guide</i>	Explains how to develop scripting applications in languages such as Ruby on Rails and Groovy on Grails for deployment to GlassFish Server.
<i>Troubleshooting Guide</i>	Describes common problems that you might encounter when using GlassFish Server and how to solve them.

TABLE P-1 Books in the GlassFish Server Documentation Set (Continued)

Book Title	Description
<i>Error Message Reference</i>	Describes error messages that you might encounter when using GlassFish Server.
<i>Reference Manual</i>	Provides reference information in man page format for GlassFish Server administration commands, utility commands, and related concepts.
<i>Domain File Format Reference</i>	Describes the format of the GlassFish Server configuration file, <code>domain.xml</code> .
<i>Java EE 6 Tutorial</i>	Explains how to use Java EE 6 platform technologies and APIs to develop Java EE applications.
<i>Message Queue Release Notes</i>	Describes new features, compatibility issues, and existing bugs for GlassFish Message Queue.
<i>Message Queue Administration Guide</i>	Explains how to set up and manage a Message Queue messaging system.
<i>Message Queue Developer's Guide for JMX Clients</i>	Describes the application programming interface in Message Queue for programmatically configuring and monitoring Message Queue resources in conformance with the Java Management Extensions (JMX).

Related Documentation

Javadoc tool reference documentation for packages that are provided with GlassFish Server is available as follows:

- The API specification for version 6 of Java EE is located at http://download.oracle.com/docs/cd/E17410_01/javaee/6/api/.
- The API specification for GlassFish Server 3.0.1, including Java EE 6 platform packages and nonplatform packages that are specific to the GlassFish Server product, is located at: <https://glassfish.dev.java.net/nonav/docs/v3/api/>.

Additionally, the following resources might be useful:

- The Java EE Specifications (<http://java.sun.com/javaee/technologies/index.jsp>)
- The Java EE Blueprints (<http://java.sun.com/reference/blueprints/>)

For information about creating enterprise applications in the NetBeans Integrated Development Environment (IDE), see <http://www.netbeans.org/kb/>.

For information about the Java DB for use with the GlassFish Server, see <http://developers.sun.com/javadb/>.

The GlassFish Samples project is a collection of sample applications that demonstrate a broad range of Java EE technologies. The GlassFish Samples are bundled with the Java EE Software Development Kit (SDK), and are also available from the GlassFish Samples project page at <https://glassfish-samples.dev.java.net/>.

Typographic Conventions

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

TABLE P-2 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>
AaBbCc123	What you type, contrasted with onscreen computer output	<code>machine_name% su</code> Password:
<i>AaBbCc123</i>	A placeholder to be replaced with a real name or value	The command to remove a file is <i>rm filename</i> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized (note that some emphasized items appear bold online)	Read Chapter 6 in the <i>User's Guide</i> . <i>A cache</i> is a copy that is stored locally. Do <i>not</i> save the file.

Symbol Conventions

The following table explains symbols that might be used in this book.

TABLE P-3 Symbol Conventions

Symbol	Description	Example	Meaning
[]	Contains optional arguments and command options.	<code>ls [-l]</code>	The <code>-l</code> option is not required.
{ }	Contains a set of choices for a required command option.	<code>-d {y n}</code>	The <code>-d</code> option requires that you use either the <code>y</code> argument or the <code>n</code> argument.
\${ }	Indicates a variable reference.	<code>\${com.sun.javaRoot}</code>	References the value of the <code>com.sun.javaRoot</code> variable.
-	Joins simultaneous multiple keystrokes.	Control-A	Press the Control key while you press the A key.
+	Joins consecutive multiple keystrokes.	Ctrl+A+N	Press the Control key, release it, and then press the subsequent keys.

TABLE P-3 Symbol Conventions (Continued)

Symbol	Description	Example	Meaning
→	Indicates menu item selection in a graphical user interface.	File → New → Templates	From the File menu, choose New. From the New submenu, choose Templates.

Default Paths and File Names

The following table describes the default paths and file names that are used in this book.

TABLE P-4 Default Paths and File Names

Placeholder	Description	Default Value
<i>as-install</i>	Represents the base installation directory for GlassFish Server. In configuration files, <i>as-install</i> is represented as follows: <code>\${com.sun.aas.installRoot}</code>	Installations on the Oracle Solaris operating system, Linux operating system, and Mac operating system: <i>user's-home-directory/glassfishv3/glassfish</i> Windows, all installations: <i>SystemDrive:\glassfishv3\glassfish</i>
<i>as-install-parent</i>	Represents the parent of the base installation directory for GlassFish Server.	Installations on the Oracle Solaris operating system, Linux operating system, and Mac operating system: <i>user's-home-directory/glassfishv3</i> Windows, all installations: <i>SystemDrive:\glassfishv3</i>
<i>domain-root-dir</i>	Represents the directory in which a domain is created by default.	<i>as-install/domains/</i>
<i>domain-dir</i>	Represents the directory in which a domain's configuration is stored. In configuration files, <i>domain-dir</i> is represented as follows: <code>\${com.sun.aas.instanceRoot}</code>	<i>domain-root-dir/domain-name</i>

Documentation, Support, and Training

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

- [Documentation \(http://docs.sun.com/\)](http://docs.sun.com/)
- [Support \(http://www.sun.com/support/\)](http://www.sun.com/support/)
- [Training \(http://education.oracle.com/\)](http://education.oracle.com/)

Searching Oracle Product Documentation

Besides searching Oracle product documentation from the docs.sun.com web site, you can use a search engine by typing the following syntax in the search field:

```
search-term site:docs.sun.com
```

For example, to search for “broker,” type the following:

```
broker site:docs.sun.com
```

To include other Oracle web sites in your search (for example, java.sun.com, www.sun.com, and developers.sun.com), use sun.com in place of docs.sun.com in the search field.

Third-Party Web Site References

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

Note – Oracle is not responsible for the availability of third-party web sites mentioned in this document. Oracle does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Oracle will not be responsible or liable for any actual or alleged damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Installing Oracle GlassFish Server 3.0.1

This chapter provides instructions for installing Oracle GlassFish Server 3.0.1 and GlassFish Server Open Source Edition 3.0.1 on Solaris, Linux, Mac OS X, and Windows systems.

The following topics are addressed:

- “Installation Requirements” on page 11
- “Installation Files for GlassFish Server 3.0.1” on page 12
- “Using GlassFish Server ZIP File Installation” on page 14
- “Using GlassFish Server GUI Installation” on page 15
- “Using GlassFish Server Silent Mode Installation” on page 18
- “Installation Command-Line Options” on page 23

Installation Requirements

Ensure that your system meets the requirements listed in “[Hardware and Software Requirements](#)” in *Oracle GlassFish Server 3.0.1 Release Notes*. Problems are likely to arise if you attempt to install on a platform that is not supported or on a system that in some other way does not meet release requirements. Also see “[Known Issues](#)” in *Oracle GlassFish Server 3.0.1 Release Notes* for known issues related to installation.

GlassFish Server 3.0.1 requires JDK release 6. The minimum (and certified) version of the JDK software that is required for GlassFish Server depends on the operating system:

- For supported operating systems *except* Mac OS X, the minimum required version is 1.6.0_17.
- For the Mac OS X operating system, the minimum required version is 1.6.0_15.

If necessary, download and install the required JDK software.

On Solaris, Linux, and Windows systems, JDK software is available from the [Java SE downloads page](#).

For Mac OS X systems, GlassFish Server uses the JDK that is part of the Macintosh operating system. If necessary, obtain the required JDK version from the [Mac OS X Updates site](#).

Installation Files for GlassFish Server 3.0.1

The following topics are addressed here:

- [“GlassFish Server Download Locations”](#) on page 12
- [“GlassFish Server Installation Methods”](#) on page 12
- [“GlassFish Server ZIP Files”](#) on page 13
- [“GlassFish Server Self-Extracting Bundles”](#) on page 13

GlassFish Server Download Locations

GlassFish Server Installation files are available by download from the following locations:

- [Oracle GlassFish Server product page](#)
- [GlassFish Server Community site](#)

GlassFish Server 3.0.1 is also part of the Java EE 6 SDK distributions. The SDK distributions are available from the [Java EE downloads page](#) and are not described in this document.

Note – After downloading the installation file, set `JAVA_HOME` and `$JAVA_HOME/bin` in the `PATH` to point to the supported JDK version.

GlassFish Server Installation Methods

[Table 1–1](#) lists the various GlassFish Server installation methods. The table also provides links to installation instructions for each method.

TABLE 1–1 GlassFish Server 3.0.1 Installation Methods

Installation Method	Installation Instructions
Multi-platform ZIP file	“Using GlassFish Server ZIP File Installation” on page 14.
Solaris, Linux, Mac OS, UNIX, or Windows self-extracting bundle in graphical mode	“Using GlassFish Server GUI Installation” on page 15.
Solaris, Linux, Mac OS, UNIX, or Windows self-extracting bundle in silent mode	“Using GlassFish Server Silent Mode Installation” on page 18

GlassFish Server ZIP Files

The GlassFish Server multi-platform ZIP files are compatible with Solaris, Linux, Mac OS, UNIX, and Windows operating systems. See [“GlassFish Server Download Locations” on page 12](#) for a list of download locations.

[Table 1–2](#) lists the available ZIP file downloads.

TABLE 1–2 GlassFish Server Downloadable ZIP Files

ZIP File	Description
ogs-3.0.1.zip	Full Platform distribution of Oracle GlassFish Server
ogs-3.0.1-web.zip	Web Profile distribution of Oracle GlassFish Server
glassfish-3.0.1.zip	Full Platform distribution of GlassFish Server Open Source Edition
glassfish-3.0.1-web.zip	Web Profile distribution GlassFish Server Open Source Edition

For more information about profiles, see [“Support for Java EE Profiles” in Oracle GlassFish Server 3.0.1 Release Notes](#).

GlassFish Server Self-Extracting Bundles

The GlassFish Server self-extracting bundles are platform-specific, and are available for Solaris, Linux, Mac OS, UNIX, and Windows operating systems. See [“GlassFish Server Download Locations” on page 12](#) for a list of download locations.

[Table 1–3](#) lists the available self-extracting bundles.

TABLE 1–3 GlassFish Server Self-extracting Bundles

ZIP File	Description
ogs-glassfish-3.0.1-unix.sh ogs-glassfish-3.0.1-windows.exe	Full Platform distribution of Oracle GlassFish Server for Solaris, Linux, and Mac OS X systems (*-unix.sh) and Windows (*-windows.exe)
ogs-3.0.1-web-unix.sh ogs-3.0.1-web-windows.exe	Web Profile distribution of Oracle GlassFish Server for Solaris, Linux, and Mac OS X systems (*-unix.sh) and Windows (*-windows.exe)
glassfish-3.0.1-unix.sh glassfish-3.0.1-windows.exe	Full Platform distribution of GlassFish Server Open Source Edition for Solaris, Linux, and Mac OS X systems (*-unix.sh) and Windows (*-windows.exe)
glassfish-3.0.1-web-unix.sh glassfish-3.0.1-web-windows.exe	Web Profile distribution GlassFish Server Open Source Edition for Solaris, Linux, and Mac OS X systems (*-unix.sh) and Windows (*-windows.exe)

For more information about profiles, see “[Support for Java EE Profiles](#)” in *Oracle GlassFish Server 3.0.1 Release Notes*.

Using GlassFish Server ZIP File Installation

This section describes how to install GlassFish Server 3.0.1 using the multi-platform ZIP file. GlassFish Server is installed by unzipping the file in the installation directory of your choice.

▼ To Install GlassFish Server Using the ZIP File

Before You Begin Ensure that your system meets the requirements listed in “[Hardware and Software Requirements](#)” in *Oracle GlassFish Server 3.0.1 Release Notes*.

Also see “[Known Issues](#)” in *Oracle GlassFish Server 3.0.1 Release Notes* for known issues related to installation.

1 Download the desired GlassFish Server 3.0.1 ZIP file.

See “[GlassFish Server Download Locations](#)” on page 12 for a list of download locations. See Table 1–2 for a list of available ZIP files.

2 Change to the directory where you downloaded the ZIP file.

3 Unzip the file.

■ Solaris, Linux, and Mac OS X systems:

```
unzip zip-file-name
```

zip-file-name is the name of the file that you downloaded.

For example:

```
unzip ogs-3.0.1-unix.zip
```

■ Windows systems:

Unzip using your favorite file compression utility.

GlassFish Server 3.0.1 is installed into a new `glassfishv3` directory under your current directory.

4 (Optional) Start GlassFish Server using the instructions in the [Oracle GlassFish Server 3.0.1 Quick Start Guide](#).

The guide explains how to perform basic tasks such as starting the server, accessing the Administration Console, and deploying a sample application.

Using GlassFish Server GUI Installation

This section describes how to install GlassFish Server 3.0.1 using the self-extracting installation program. GlassFish Server is installed using a GUI-based installation wizard.

Console installation is not supported in this release. Silent mode installation is available, however. For more information, see “[Using GlassFish Server Silent Mode Installation](#)” on [page 18](#).

▼ To Install GlassFish Server Using the Self-Extracting File

Before You Begin Ensure that your system meets the requirements listed in “[Hardware and Software Requirements](#)” in *Oracle GlassFish Server 3.0.1 Release Notes*.

Also see “[Known Issues](#)” in *Oracle GlassFish Server 3.0.1 Release Notes* for known issues related to installation.

1 Download the desired GlassFish Server 3.0.1 bundle.

See “[GlassFish Server Download Locations](#)” on [page 12](#) for a list of download locations. See [Table 1–3](#) for a list of available self-extracting bundles.

2 Change to the directory where you downloaded the self-extracting file.

3 Start the installer.

■ Solaris, Linux, and Mac OS X systems:

a. If necessary, grant execute permissions to the self-extracting file:

```
chmod +x ./self-extracting-file-name
```

self-extracting-file-name is the name of the self-extracting file that you downloaded.

b. At the command prompt, type:

```
self-extracting-file-name
```

For example, start the installer by typing the following:

```
ogs-3.0.1-unix.sh
```

■ Windows systems:

a. Double-click the executable .exe installation file.

For example, double-click:

`ogs-3.0.1-windows.exe`

On Windows you can also start the installer by typing the file name at the command prompt.

Note – Additional setup options are available. See “[Installation Command-Line Options](#)” on [page 23](#).

If you are installing on a 64-bit Windows system, run the installer with the `-j` option pointing to a 64-bit JDK.

After starting the installer, the Welcome page is displayed. Use the Next button to move through the installation process.

4 Respond to the license agreement, if required.

5 Specify where to install GlassFish Server.

The default installation directory is as follows:

- **Solaris, Linux, and Mac OS X systems:** `user's-home-directory/glassfishv3`
- **Windows systems:** `SystemDrive:\glassfishv3`

The default installation directory is referred to as *as-install-parent* throughout GlassFish Server documentation.

6 Specify administration settings.

- Specify port numbers for the Administration Console and HTTP transmissions. The default value for Admin Port is 4848 and for HTTP Port is 8080.
- To allow access to the Administration Console without a password, leave Username as `admin` and the Password field empty.
- To require a password for access to the Administration Console, specify a user name and password in the corresponding fields. User name and password are case sensitive.

7 Specify whether to install Update Tool.

Update Tool is an administrative tool that enables you to install updates and add-on components to an existing GlassFish Server 3.0.1 installation. Update Tool can be installed during GlassFish Server installation or at a later time. For more information about Update Tool, see “[Update Tool](#)” in *Oracle GlassFish Server 3.0.1 Administration Guide*.

- If you are not installing Update Tool, deselect the Install Update Tool check box.
- If you are installing Update Tool and your system accesses the Internet through a proxy, specify the proxy host and proxy port.
- If you are installing Update Tool and do not require the automatic notifications of available updates after installation, deselect the Enable Update Tool check box.

Note – Update Tool differs from Upgrade Tool, which is used to migrate the configuration and deployed applications from an earlier version of GlassFish Server to the current version. For more information about Upgrade Tool, see the [Oracle GlassFish Server 3.0.1 Upgrade Guide](#).

8 Specify the path to the JDK to be used with the installation.

Use a JDK installation detected by the installer or specify the path for a different JDK.

JDK 6 is required. See “[Installation Requirements](#)” on [page 11](#) for more information.

Note – This JDK page is not presented for Mac OS X installations. The installation uses the value in the JAVA_HOME environment variable.

9 Review the Ready To Install selections and click Install to proceed with the installation.

10 Determine whether and how to register GlassFish Server.

Note – It is recommended that you select the Skip Registration option during installation.

Also, installing with Open JDK prevents registration during installation on some Linux platforms. For those environments, use the Administration Console to register GlassFish Server following installation.

- If you want to register GlassFish Server but do not yet have a Sun Online Account, select I Don't Have a Sun Online Account, click Next, and provide the requested information.
- If you want to register GlassFish Server and already have a Sun Online Account, select I Already Have a Sun Online Account and provide your user name and password. Your user name is the email address that you specified when you created the account.
- If you do not want to register GlassFish Server at the time of installation, select Skip Registration and click Next. You can register later through the GlassFish Server Administration Console.

11 Review the summary page that displays after registration and click Exit to exit the installer.

Installation information is captured in log files. The names of the files are *timestamp-install.log* and *timestamp-install-summary.html*. On Solaris, Linux, and Mac OS X systems, these files are generated under the \$TMP directory. On Windows systems, these files are generated under the %TEMP% directory.

12 (Optional) Start GlassFish Server using the instructions in the [Oracle GlassFish Server 3.0.1 Quick Start Guide](#).

The guide explains how to perform basic tasks such as starting the server, accessing the Administration Console, and deploying a sample application.

Using GlassFish Server Silent Mode Installation

This section describes how to install GlassFish Server 3.0.1 using *silent mode* installation. Silent mode is a non-interactive installation based on user-defined parameters captured in an answer file. The answer file can be used later to install GlassFish Server on one or more systems. The following topics are addressed in this section:

- “Creating the Installation Answer File” on page 18
- “Reviewing the Installation Answer File” on page 20
- “Installing in Silent Mode” on page 22

Creating the Installation Answer File

The answer file forms the template for silent installation. The file is created when you use the trial mode (-n) option to start an interactive installation. In trial mode, actual installation does not take place.

During the interactive installation you can accept the default values presented or you can change them. Your input is collected and stored in the answer file, which is then used to install GlassFish Server. You can use the answer file as it is or you can modify the file before using it.

▼ To Create the Installation Answer File

The installation wizard is used to create the answer file. Actual installation does not take place.

Before You Begin Ensure that your system meets the requirements listed in “[Hardware and Software Requirements](#)” in *Oracle GlassFish Server 3.0.1 Release Notes*.

Also see “[Known Issues](#)” in *Oracle GlassFish Server 3.0.1 Release Notes* for known issues related to installation.

- 1 Download the desired GlassFish Server 3.0.1 bundle.**
See “[GlassFish Server Download Locations](#)” on page 12 for a list of download locations. See [Table 1–3](#) for a list of available self-extracting bundles.
- 2 Start the installation in trial mode.**
 - a. Change to the directory where you downloaded the self-extracting file.**
 - b. On Solaris, Linux, and Mac OS X systems, grant execute permissions to the self-extracting file if necessary:**

```
chmod +x ./self-extracting-file-name
```

c. From the command line, type:

```
self-extracting-file-name -n answer-file
```

self-extracting-file-name is the name of the self-extracting file that you downloaded.

-n specifies trial mode installation.

answer-file is the name you assign to the answer file. If you do not include a path to the file, the file is created under the directory from which the installation program is run.

For example:

```
ogs-3.0.1-unix.sh -n 3.0.1-answer
```

The Welcome page is displayed. Use the Next button to move through the installation process.

3 Respond to the license agreement.**4 Specify where to install GlassFish Server.**

The default installation directory is as follows:

- **Solaris, Linux, and Mac OS X systems:** *user's-home-directory/glassfishv3*
- **Windows systems:** *SystemDrive:\glassfishv3*

The default installation directory is referred to as *as-install-parent* throughout GlassFish Server documentation.

5 Specify administration settings.

- Specify port numbers for the Administration Console and HTTP transmissions. The default value for Admin Port is 4848 and for HTTP Port is 8080.
- To allow access to the Administration Console without a password, leave Username as admin and the Password field empty.
- To require a password for access to the Administration Console, specify a user name and password in the corresponding fields. User name and password are case sensitive.

6 Specify whether to install Update Tool.

Update Tool is an administrative tool that enables you to install updates and add-on components to an existing GlassFish Server 3.0.1 installation. Update Tool can be installed during GlassFish Server installation or at a later time. For more information about Update Tool, see “Update Tool” in *Oracle GlassFish Server 3.0.1 Administration Guide*.

- If you are not installing Update Tool, deselect the Install Update Tool check box.
- If you are installing Update Tool and your system accesses the Internet through a proxy, specify the proxy host and proxy port.
- If you are installing Update Tool and do not require the automatic notifications of available updates after installation, deselect the Enable Update Tool check box.

Note – Update Tool differs from Upgrade Tool, which is used to migrate the configuration and deployed applications from an earlier version of GlassFish Server to the current version. For more information about Upgrade Tool, see the *Oracle GlassFish Server 3.0.1 Upgrade Guide*.

7 Specify the path to the JDK to be used with the installation.

Use a JDK installation detected by the installer, or specify the path for a different JDK.

JDK 6 is required. See “Installation Requirements” on page 11 for more information.

Note – This JDK page is not presented for Mac OS X installations. The installation uses the value in the JAVA_HOME environment variable.

8 Review the Ready to Install selections and click Install to proceed with trial mode installation and create the answer file.

Unless a path to the file was specified in [Step 2](#), the answer file is created under the directory from which the installation program is run.

Reviewing the Installation Answer File

The answer file provides a number of system-specific parameters as well as parameters that you selected during trial mode installation. Values for some parameters can be edited as described in “[To Edit the Answer File](#)” on page 21.

The following example shows the contents of an answer file that was created during a trial mode installation. Default values were accepted during the installation.

EXAMPLE 1-1 Example Answer File

```
#openInstaller Dry Run Answer File. This File can be used as input to
the openInstaller engine using the -a option.
#Tue Nov 10 19:25:05 PST 2009
RegistrationOptions.regoptions.CREATE_NEWACCT=CREATE_NEWACCT
glassfish.Administration.HTTP_PORT=8080
updatetool.Configuration.PROXY_PORT=
glassfish.Administration.ADMIN_PASSWORD=
JDKSelection.directory.JDK_FROM_LIST_CHOICE=true
RegistrationOptions.regoptions.SKIP_REGISTRATION=SKIP_REGISTRATION
updatetool.Configuration.PROXY_HOST=
SOAccountCreation.accountinfo.COUNTRY=
InstallHome.directory.INSTALL_HOME=C:\glassfishv3
RegistrationOptions.regoptions.USE_EXISTINGACCT=USE_EXISTINGACCT
SOAccountCreation.accountinfo.FIRSTNAME=
updatetool.Configuration.ALLOW_UPDATE_CHECK=true
```

EXAMPLE 1-1 Example Answer File (Continued)

```

glassfish.Administration.ADMIN_USER=admin
JDKSelection.directory.JDK_LIST=JDK-location
SOAccountCreation.accountinfo.PASSWORD=
SOAccountCreation.accountinfo.COMPANYNAME=
JDKSelection.directory.HIDDEN_JDK=JDK-location
SOAccountCreation.accountinfo.COUNTRY_DROP_DOWN=
SOAccountCreation.accountinfo.REENTERPASSWORD=
License.license.ACCEPT_LICENSE=0
RegistrationOptions.regoptions.USERNAME=
updatetool.Configuration.BOOTSTRAP_UPDATETOOL=true
SOAccountCreation.accountinfo.LASTNAME=
glassfish.Administration.ADMIN_PORT=4848
RegistrationOptions.regoptions.USERPASSWORD=
JDKSelection.directory.JDK_TYPED_IN_CHOICE=false
SOAccountCreation.accountinfo.EMAIL=
JDKSelection.directory.JDK_TYPE_IN=
RegistrationOptions.regoptions.DUMMY_PROP=

```

▼ To Edit the Answer File

Some values in the answer file can be changed if desired. Such editing is strictly optional.

Before You Begin Create the answer file as described in [“To Create the Installation Answer File” on page 18](#).

1 Review the answer file.

Review the values that will be used for silent installation.

2 Edit the answer file.

Only the following default values can be changed:

```
InstallHome.directory.INSTALL_HOME=as-install-parent
```

Provide another directory name for GlassFish Server 3.0.1 installation files.

```
glassfish.Administration.ADMIN_PASSWORD=
```

Provide a password for access to the Administration Console. This password is case sensitive.

```
glassfish.Administration.ADMIN_PORT=4848
```

Assign another port number to the Administration Console.

```
glassfish.Administration.ADMIN_USER=admin
```

Provide another user name for the administrator. This name is case sensitive.

```
glassfish.Administration.HTTP_Port=8080
```

Assign another port number to HTTP connections.

`glassfish.Administration.JDK_TYPE_IN=jdk-location`

Can be set to a location that contains a required JDK 6 installation.

`glassfish.Administration.JDK_TYPED_IN_CHOICE=true`

Can be set to true or false. Always set this value to true if you are using the answer file for silent installation.

`glassfish.Administration.HIDDEN_JDK=jdk-location`

Not to be used for this release. Ignore this variable.

`updatetool.Configuration.ALLOW_UPDATE_CHECK=true`

Change value to false if you do not want Update Tool notifications.

`updatetool.Configuration.BOOTSTRAP_UPDATE=true`

Change value to false if you do not want to install the standalone Update Tool.

`updatetool.Configuration.PROXY_HOST=`

Assign a name to the proxy host.

`updatetool.Configuration.PROXY_PORT=`

Assign a port number to the proxy host.

Note – Parameters not listed are system specific. Do not change system-specific parameters. Doing so will cause problems with the installation program.

Installing in Silent Mode

The non-interactive installation program reads the specified answer file, checks for adequate disk space, and installs GlassFish Server based on the data in the answer file.

▼ To Install Using Silent Mode

Before You Begin Create the answer file as described in [“To Create the Installation Answer File” on page 18](#).

Verify that the parameters in the answer file are set to the values that you want to use for silent installation.

1 **Navigate to the directory that contains the self-extracting installer file and the installation answer file.**

2 **From the command line, type:**

```
self-extracting-file-name -a answer-file -s
```

self-extracting-file-name is the name of the file that you downloaded during [“Creating the Installation Answer File” on page 18](#). Ensure that you provide the complete path to the answer file.

-a specifies the name of the *answer-file*. If you do not include a path to the file, the file is created under the directory from which the installation program is run.

-s specifies running in silent mode.

For example:

```
ogs-3.0.1-unix.sh -a 3.0.1-answer -s
```

When the prompt is returned, the silent installation is complete and the installation components are installed on your system.

3 (Optional) Start GlassFish Server using the instructions in the [Oracle GlassFish Server 3.0.1 Quick Start Guide](#).

The guide explains how to perform basic tasks such as starting the server, accessing the Administration Console, and deploying a sample application.

Installation Command-Line Options

The following options can be used when you run the installation program from the command line using the self-extracting installation file (.sh or .exe). Specify the desired options after typing the installation file name at the command prompt.

For example:

```
ogs-3.0.1-unix.sh -a 3.0.1-answer -l log-directory -s
```

The options are as follows:

-a *answer-file*

Run the installation program in silent mode using the answer file specified. Use this option with the -s option.

-l *log-directory*

Write log information to this directory.

-q

Set logging level to WARNING.

-v

Set logging level to FINEST.

-s

Run the installation program in silent mode.

-j *javahome*

Use this directory for the JDK software installation.

-n *answer-file*

Run the installation program in trial mode to generate the answer file for silent mode installation.

-h or -help

Display the help message listing these options.

Uninstalling Oracle GlassFish Server 3.0.1

This chapter describes how to uninstall Oracle GlassFish Server 3.0.1 and remove its components.

Removing an GlassFish Server Installation

This section describes how to remove GlassFish Server software that was installed using the self-extracting file. During installation, a script for uninstalling GlassFish Server is placed in the installation directory. This section provides instructions for removing the software using this script. If you attempt to remove the software using another method, problems are likely to arise when you try to reinstall the same version of GlassFish Server or when you install a new version.

Note – To uninstall a ZIP installation, manually remove the contents of the installation directory after making sure that there are no files that you want to keep.

▼ To Uninstall GlassFish Server Software

Before You Begin Stop all domains and other related processes, including command prompts using the installation directory or its subdirectories, the Update Tool notifier process if present, and any applications using Java SE files.

To stop domains, use the `asadmin stop-domain` command. For more information about stopping a domain, see “To Stop a Domain” in *Oracle GlassFish Server 3.0.1 Administration Guide*.

To stop the Update Tool notifier process, use the `updatetool --notifier --shutdown` command, executed from `as-install-parent/bin`. If Update Tool is installed, the notifier is running by default.

If orphaned processes remain, identify and terminate the processes as follows:

- **Solaris, Linux, and Mac OS X systems:**

Use the `ps -ef` command and terminate the processes using the `kill` command.

- **Windows systems:**

Use the Task Manager and terminate the processes.

Also see “Known Issues” in *Oracle GlassFish Server 3.0.1 Release Notes* for known issues related to uninstallation.

- 1 Navigate to the directory where GlassFish Server 3.0.1 is installed.**

The default installation directory is as follows:

- **Solaris, Linux, and Mac OS X systems:** *user's-home-directory/glassfishv3*
- **Windows systems:** *SystemDrive:\glassfishv3*

The default installation directory is referred to as *as-install-parent* throughout GlassFish Server documentation.

- 2 Start the uninstallation program and remove the software.**

- **Solaris, Linux, and Mac OS X systems:**

- a. If necessary, grant execute permissions to the uninstall file.**

```
chmod +x ./uninstall.sh
```

- b. At the command prompt, type:**

```
./uninstall.sh
```

- **Windows systems:**

- a. Double-click the `uninstall.exe` file.**

On Windows you can also start the uninstaller by typing the file name at the command prompt.

Tip – There is a known issue on Windows 7 systems (Issue 12093), whereby uninstallation of GlassFish Server may fail because Windows cannot find the required JDK installation. The problem may occur when the Java binaries are not installed through a standard Java SDK installer.

The workaround for this issue is to explicitly specify the location of the Java binaries when running the GlassFish Server `uninstall` utility from the command line. For example:

```
uninstall.exe -j "C:\Program Files\Java\jre6"
```

Note – To uninstall in silent (non-interactive) mode, use the `-s` option after the file name. For example: `./uninstall.sh -s` or `uninstall.exe -s`

3 Review the summary page that displays following uninstallation and click Exit to exit the uninstaller.

Uninstallation information is captured in log files. The names of the files are *timestamp*-remove.log and *timestamp*-remove-summary.html. On Solaris, Linux, and Mac OS X systems, these files are generated under the `$TMP` directory. On Windows systems, these files are generated under the `%TEMP%` directory.

4 Examine the contents of the remaining installation directories and remove any files or directories that you do not want.

Note – Not all GlassFish Server directories are automatically removed by the uninstallation program. Remove the remaining contents as desired, including hidden directories prefixed with a dot. It is safe to remove uninstallation and installation log files after you have examined them.

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