



# **GlassFish v3 Application Server Quick Start Guide**



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# Application Server Quick Start

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The *GlassFish Application Server v3 TP2 Quick Start Guide* provides basic instructions for quickly getting up and running with GlassFish Application Server v3 TP2 software.

For information about conventions used in this document, see the [Documentation Conventions](#) page.

## Installing Application Server Software

Install the GlassFish Application Server software before continuing with the remainder of this document. GlassFish Application Server v3 TP2 software is available from [Application Server — V3 Technology Preview](#) page.

### ▼ To Install Application Server v3 TP2 Software

**Before You Begin** The Application Server v3 TP2 installation requires [JDK 5](#) or [JDK 6](#). Also make sure that the Java bin directory is in your path.

- 1 Download the [technology preview bundle](#).
- 2 Change to the directory into which you want to install the v3 TP2 bundle.
- 3 **Unzip the bundle:**

```
unzip filename.zip
```

where *filename.zip* is the name of the bundle you just downloaded. This installs the v3 TP2 distribution into a new `glassfish` directory under your current directory.

## Starting and Stopping the Default Domain

By default, when you install Application Server, a default domain named `domain1` is created.

### ▼ To Start the Default Domain

- Use the `asadmin start-domain` command.

```
as-install/bin/asadmin start-domain
```

- Alternatively, you can enter the full command:

```
java -jar as-install/modules/admin-cli-10.0-SNAPSHOT.jar start-domain
```

Either of these commands starts the default domain, `domain1`.

### ▼ To Stop the Default Domain

- Use the `asadmin stop-domain` command.

```
as-install/bin/asadmin stop-domain
```

- Alternatively, you can enter the full command:

```
java -jar as-install/modules/admin-cli-10.0-SNAPSHOT.jar stop-domain
```

Either of these commands stops the default domain, `domain1`.

## Starting and Stopping the Bundled Java DB Server

Application Server is bundled by default with a Java DB server implementation, although you can use any JDBC-compliant database engine. The database is not started by default when you start Application Server, so if you have applications need a database backend, you need to start the database server manually.

### ▼ To Start the Java DB Server

The instructions in this procedure describe how to start the Java DB server that is bundled with Application Server, but they apply for the most part to any database you want to use.

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**Note** – At least one Application Server domain must be started *before* starting the database server.

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- **Use the `asadmin start-database` command.**

The general form for the command is:

```
as-install/bin/asadmin start-database --dbhome directory_path
```

By default, for the Java DB bundled with Application Server, you do not need to use the `--dbhome` option:

```
as-install/bin/asadmin start-database
```

This starts the default Java DB located in `as-install/glassfish/javadb`.

## ▼ To Stop the Java DB Server

- **Use the `asadmin stop-database` command.**

```
as-install/bin/asadmin stop-database
```

# Using the Administration Console GUI

The Application Server Administration Console GUI (hereafter referred to as the *Admin Console*) provides a graphical, browser-based means for configuring, maintaining, and monitoring the Application Server and your domains.

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**Note** – In the Application Server v3 TP2 release, the Admin Console is not installed by default, but is instead installed when you invoke it for the first time after installing Application Server.

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## ▼ To Launch the Admin Console

**Before You Begin** Make sure at least one Application Server domain is started, as described in [“To Start the Default Domain” on page 4](#).

- 1 **Open the Admin Console URL in a browser window.**

The default URL for the Admin Console is:

```
http://localhost:8080/admin
```

You are prompted to install the Admin Console.

- 2 **Enter a proxy host and proxy port, if necessary, and then click *OK* to start the Admin Console installation.**
- 3 **When the installation is complete, refresh the browser page to launch the Admin Console.**
- 4 **Enter a user name and password.**  
By default:
  - **User Name:** admin
  - **Password:** adminadmin
- 5 **Refer to the *GlassFish v3 Application Server Administration Guide* and to the Admin Console online help for further instructions.**

## Deploying and Undeploying Applications

The process of configuring and enabling an application to run within the Application Server framework is referred to as *deployment*.

You can deploy applications in three ways:

- From the command line (Admin Console CLI) with the `asadmin deploy` command
- From the Admin Console GUI
- By placing the application in the `as-install/domains/domain_name/autodeploy` directory

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**Note** – In the Application Server v3 TP2 release, applications can be packaged for deployment in Web Archive (WAR) format only.

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The remainder of this chapter explains how to deploy, list, and undeploy applications.

The instructions in this section use the `hello.war` sample file available at <http://glassfish.dev.java.net/downloads/quickstart/hello.war>.

- “To Get the Sample Application Used in This Section” on page 7
- “To Deploy an Application From the Admin Console CLI” on page 7
- “To List Deployed Applications From the Admin Console CLI” on page 7
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- “To Deploy an Application From the Admin Console GUI” on page 8
- “To View Deployed Applications in the Admin Console GUI” on page 9
- “To Undeploy an Application From the Admin Console GUI” on page 9
- “To Deploy an Application Using Autodeploy” on page 9
- “To Undeploy an Autodeployed Application” on page 9

## ▼ To Get the Sample Application Used in This Section

- **Download the `hello.war` sample from** <http://glassfish.dev.java.net/downloads/quickstart/hello.war> and save it in the directory of your choice.

The procedures in the remainder of this chapter use this `hello.war` sample.

## ▼ To Deploy an Application From the Admin Console CLI

- 1 **Use the `asadmin deploy` command.**

The general form for the command is:

```
as-install/bin/asadmin deploy war_name
```

To deploy the `hello.war` sample, the command is:

```
as-install/bin/asadmin deploy sample_dir/hello.war
```

- 2 **Access the `hello` application by entering the following URL in a browser window:**

```
http://localhost:8080/hello
```

The application's start page is displayed, and you are prompted to fill in your name.

```
Hi, my name is Duke. What's yours?
```

- 3 **Type your name and click *Submit*.**

The application displays a customized response, giving you a personal Hello.

## ▼ To List Deployed Applications From the Admin Console CLI

- **Use the `asadmin list-applications` command:**

```
as-install/bin/asadmin list-applications
```

## ▼ To Undeploy an Application From the Admin Console CLI

- Use the `asadmin undeploy` command.

The general form for the command is:

```
as-install/bin/asadmin undeploy --name war_name
```

For the `hello.war` example, the command is:

```
as-install/bin/asadmin undeploy --name hello.war
```

## ▼ To Deploy an Application From the Admin Console GUI

- 1 Open the Admin Console GUI by entering the following URL in a browser window:

```
http://localhost:8080/admingui/
```

- 2 Click the *Web Applications* node in the tree on the left.

The Web Applications page is displayed.

- 3 Click *Deploy*.

The Deploy Enterprise Applications/Modules page is displayed.

- 4 Select “Packaged file to be uploaded to the server,” if it is not already selected, and then click *Browse*.

- 5 Navigate to the location in which you saved the `hello.war` sample, and then click *Open*.

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**Note** – If running Application Server on Windows, be sure to remove the drive letter and colon (for example, C:) from the file name path.

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You are returned to the Deploy Enterprise Applications/Modules page.

- 6 Enter a description in the Description field; for example, `hello`.

- 7 Accept the other default settings, and click *OK*.

You are returned to Web Applications page.

- 8 Display the sample application by entering the following URL in a browser window:

```
http://localhost:8080/hello/
```









