Java EE 6 & GlassFish 3 using Eclipse
Define a New Server

Choose the type of server to create

Select the server type:

- Apache
- BEA Systems, Inc.
- Basic
- GlassFish
- GlassFish 2.1 Java EE 5
- GlassFish Server Open Source Edition 3 (Java EE 6)
- Sailfin v2

GlassFish Server Open Source Edition 3 Java EE 6: Open Source Reference implementation and Production ready.

Server's host name: localhost

Server name: GlassFish Server Open Source Edition 3 (Java EE 6) at localhost
Install from within the IDE or configure pre-installed
Dynamic Web Project
Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application.

Project name: HelloGlassFish

Use default location
Location: /Users/arungupta/Documents/workspace/oepe/HelloGlassFish

Target runtime
GlassFish Server Open Source Edition 3 (Java EE 6)

Dynamic web module version
3.0

Configuration
Default Configuration for GlassFish Server Open Source Edition 3 (Java EE 6)
A good starting point for working with GlassFish Server Open Source Edition 3 (Java EE 6) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership
Add project to an EAR
EAR project name: EAR

Working sets
Add project to working sets
Working sets:
Higher Productivity
Integrated & Off-line Javadocs
EJB-in-a-WAR
Cron-like Syntax for EJB Timer

```
second="*/10", minute="*", hour="8-23", dayOfWeek="Mon-Fri", dayOfMonth="*", month="*", year="*", info="MyTimer"
```
Pre-configured JDBC Resource
JPA Facet

Library configuration is disabled. The user may need to configure further classpath changes later.

Platform
- EclipseLink 2.0.x

JPA implementation
- Type: Disable Library Configuration

The JPA facet requires a JPA implementation library to be present on the project classpath. By disabling library configuration, the user takes on the responsibility of ensuring that the classpath is configured appropriately via alternate means.

Connection
- Sample JavaDB Database

Add connection...

- Add driver library to build path
- Driver: DerbyForSampleDB

- Override default catalog from connection
- Catalog:

- Override default schema from connection
- Schema: APP

Persistent class management
- Discover annotated classes automatically
- Create mapping file (orm.xml)
Select Tables

Select tables to generate entities from.

Connection: Sample JavaDB Database

(Note: You must have an active connection to select schema.)

Schema: APP

Tables: MYUSER

Spring Tools
Java EE Tools
- Show AppXray Dependencies
Source
Configure
JPA Tools
- Generate Tables from Entities...
- Generate Entities from Tables...
- Generate Entity from Java Class...
- Show in Entity Editor

Update class list in persistence.xml

Restore Defaults
Facelets using JSF 2.0

Select XHMTL Template
Select a template as initial content in the XHMTL page.

- Use HTML Template
- Templates:
  - Name: New Facelet Composition Page
    Description: Creates a new Facelet page for use with a template.
  - Name: New Facelet Footer
    Description: Creates a footer for use with the Facelet template.
  - Name: New Facelet Header
    Description: Creates a header for use with the Facelet template.
  - Name: New Facelet Template
    Description: Creates a basic header/content/footer Facelet.
  - Name: New XHMTL File (1.0 frameset)
    Description: xhtml 1.0 frameset.
  - Name: New XHMTL File (1.0 strict)
    Description: xhtml 1.0 strict.
  - Name: New XHMTL File (1.0 transitional)
    Description: xhtml 1.0 transitional.

Preview:

```xml
<body>

<div id="header">
  <ui:insert name="header">
    Header area. See comments below this line in the source.
    <!-- include your header file or uncomment the include below
    <!-- <ui:include src="header.xhtml" /> -->
  </ui:insert>
</div>
```

Templates are 'New HTML' templates found in the [HTML Templates] preference page.
INFO: Portable JNDI names for EJB HelloBean: [java:global/HelloGlassFish/HelloBean, java:global/HelloGlassFish/HelloBean]
INFO: Initializing Mojarra 2.0.2 (FCS b10) for context '/HelloGlassFish'
INFO: Loading application HelloGlassFish at /HelloGlassFish
INFO: Loading application HelloGlassFish at /HelloGlassFish
INFO: Loading application HelloGlassFish at /HelloGlassFish
INFO: HelloGlassFish was successfully deployed in 2,367 milliseconds.
RESTful Web services using JAX-RS
RESTful Web Service from Pattern

Create RESTful Web Service from Pattern.

Project: HelloGlassFish
Source folder: /HelloGlassFish/src
Java package: server
Superclass: 
Class name: SimpleResource
Pattern type: Simple Root Resource
Path: generic
MIME type: application/xml
Representation class: 
Container representation class: java.lang.String
Container path: /simpleResources
References

- glassfish.org
- oracle.com/goto/glassfish
- blogs.sun.com/theaquarium
- glassfish.org/roadmap
- youtube.com/user/GlassFishVideos
- blogs.sun.com/arungupta/entry/screencast_31_java_ee_6
- Follow @glassfish