

ObjectWeb EasyBeans

Jetty and ObjectWeb EasyBeans (aka JOnAS EJB3 Container)

EasyBeans is an open-source Enterprise Java Beans (EJB) container hosted by the [OW2 consortium](#). The License used by EasyBeans is the LGPL.

EasyBeans is a lightweight container that can be embedded in several Java EE servers or Web server like Jetty.

There are different packages on the [EasyBeans download page](#). The Jetty package has to be downloaded. It is provided both in .zip or .tgz format

Requirements

- A JRE v5.0 (or higher) is required
- Jetty 6.1 or higher version is needed (the previous versions don't have a feature required by EasyBeans)
- Ant tool (1.6 or higher)

Adding EasyBeans in Jetty

This step is quite easy. EasyBeans packaging provides a .war file. This .war file has to be copied in JETTY_HOME/webapps/ folder.

EJB3 Example

Using an existing example

The examples provided in the EasyBeans release need to be copied in the \$JETTY_HOME/examples_ejb3s/ directory. The resulting directory will be \$JETTY_HOME/examples_ejb3s with subfolders like statelessbean

Stateless example

Trying the example

The preview is bundled with some examples. The first one is a stateless bean

Here are the steps for launching this example:

1. Check that JETTY_HOME environment variable is defined before launching ant scripts
ant needs to be launched in \$JETTY_HOME/examples_ejb3s/statelessbean directory. This will compile the source code and copy the archive into the \$JETTY_HOME/ejb3s/stateless.jar/ directory.
2. On the server side, some traces will be printed. This is because the EJB3 container has detected a new module in the \$JETTY_HOME/ejb3s directory. The bean was loaded automatically.
Creating container for archive /home/xxx/xxx/stateless.jar.
3. Then, the client can be executed by running the command ant run.client
If the client is executed without errors, the output will be:

```
run.client:
    [java] Calling helloWorld method...
    [java] Add 1 + 2...
    [java] Sum = '3'.
```

4. There is also a servlet's client that has been put in \$JETTY_HOME/webapps directory.
It can be accessed with the default url: <http://localhost:8080/stateless.war/>

Extra steps

[An online documentation about EasyBeans/Jetty](#) is available on EasyBeans web site.