

## EasyBeans

THE EMBEDDABLE OPEN SOURCE EJB3 CONTAINER

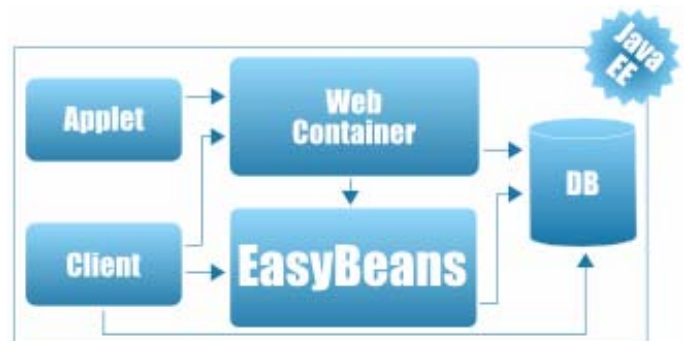
<http://easybeans.ow2.org>

EasyBeans is a modular and lightweight EJB 3 container. It is the leading edge Open Source implementation by OW2 of the EJB specification.

### WHAT IS EASYBEANS?

EasyBeans main goal is to ease the development of Enterprise Java Beans. It uses some new architecture design by using IoC, POJO and bytecode injection (with the OW2 ASM tool). It can be packaged as OSGi™ bundles or embedded in other frameworks (Spring, Eclipse plugins, etc.).

EasyBeans has been successfully integrated with the JOnAS OW2 Application Server and allows developers to deploy EJB components very easily.



- EJB™ / Java EE™
- LGPL License
- Professional support: Bull

### THE EASYBEANS BENEFITS

- An embeddable lightweight EJB 3 container: EasyBeans can be embedded in several application servers: It runs successfully in Apache Tomcat, Jetty and OW2 JOnAS (<http://jonas.ow2.org>) application servers. It is embeddable in any Java program or test suite to provide EJB testing.

- A modular container available as OSGi bundles. EasyBeans components can be started on demand and only a subset can be used. The full power of EasyBeans is available when deployed on OSGi gateways or on OSGi based application servers such as OW2 JOnAS 5.0

- Easy clustering by using OW2 CMI project.
- Quick and scalable deployment of clients with its Smart JNDI factory.
- An open source RIA web console based on Adobe Flex 3 technology.

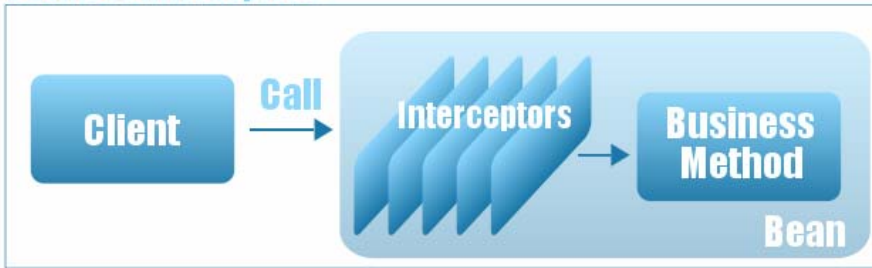
- Any JPA implementation is easily pluggable (This has been tested with: Apache OpenJPA, Hibernate Entity Manager, TopLink Essentials.)

#### KEY FEATURES OF EASYBEANS

- ⇒ Easy-To-Use
- ⇒ Embeddable
- ⇒ Lightweight
- ⇒ Modularity
- ⇒ OSGi support
- ⇒ Extensibility
- ⇒ JAX-WS 2.0
- ⇒ Clustering

**Business interceptors**

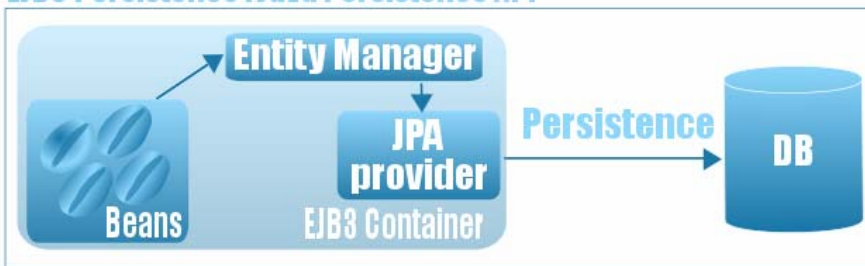
**Business Interceptors**



⇒ EJB developers can develop custom business interceptors and this will run on all the certified EJB 3 containers.

**Persistence**

**EJB3 Persistence : Java Persistence API**



⇒ The persistence in EJB 3 is simplified (compared to previous CMP model) and it is using pattern similar to the JDO specification or Hibernate product.

**QUALITY OF SERVICES**

**About the project**

Created in 2005 : experience and professionalism of the R&D team

Professional container: Based on the best components of OW2 JOnAS application server

**OW2 's innovation**

OW2 is an international open source community which includes R&D teams, industrial partnerships and research organizations. Innovation is permanent and allows developing products based on the latest specifications and technologies such as OSGi.

**Professional support : Bull (<http://www.bull.com>)**

- 110 service points, numerous agencies and partnerships through the USA, Canada, South and Central America, Western and Eastern Europe, Asia and Africa.
- A multi-lingual integrated support center and three international technical support centres.
- HA (High Availability) center delivering 24/7 direct support to critical environments.
- European Logistics Centre, 24/7
- Service agreements with other IT suppliers including IBM, HP, Sun, RedHat, Microsoft, EMC and others to ensure a constant high level of service



<http://easybeans.ow2.org>

**OW2**

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**About OW2:**

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lombox, Sync4j, eXo Platform, Orchestra, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters. [More information about OW2 is available at http://www.ow2.org.](http://www.ow2.org)