

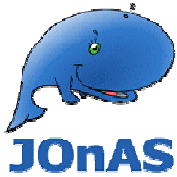
JOnAS

JAVA™ OPEN APPLICATION SERVER

<http://jonas.ow2.org>

Key Words :

- Application Server
- Java EE™
- EJB™
- OSGi™



Project Name

- JOnAS

Category

- Application server

License

- LGPL

Community

- Bull
- Peking University
- Universidad Politecnica Madrid
- Grenoble University
- INRIA
- LIFL
- UNIFOR
- Orange
- CVICSE
- ...

Professional Support

- Bull Services

JOnAS is the leading edge Open Source implementation by OW2 of the Java EE specification

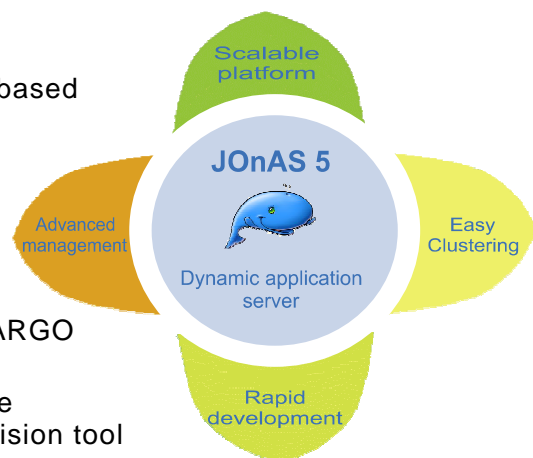
JOnAS:

Scalable platform : native OSGi™ based services architecture

Easy clustering: Including large scale deployment and dynamic clustering

Rapid development: EasyBeans, a modular, pluggable and lightweight EJB 3 container. Eclipse WTP and CARGO support.

Advanced management: The JASMINe configuration, deployment and supervision tool provides autonomous management features.

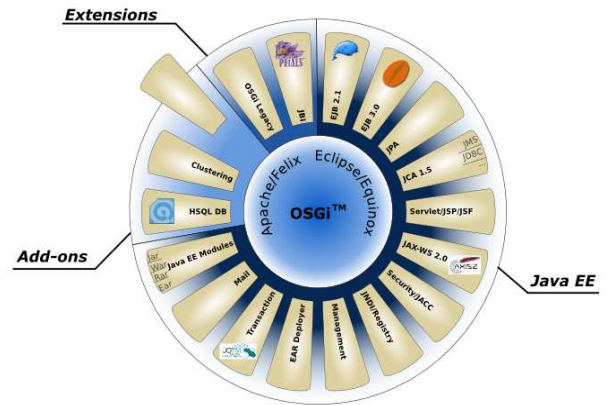


JOnAS BENEFITS AND QUALITY OF SERVICES

- Reduce costs and risks with OW2 JASMINe, the graphical tool for configuration, deployment and monitoring
- Fit to the developer's needs with ease of development and deployment, provided by the EasyBeans EJB3 container and by WTP and CARGO support.
- Integrated in the Bull / OW2 SOA platform: JOnAS 5 is the cornerstone of the Service Oriented Architecture, which includes other leading OW2 projects such as Bonita, or Orchestra.
- The scalable platform allows an easier integration with existing software, an adaptation to user's needs and an optimization of resources consumption.
- JOnAS is a mature project, it has been created in 1998, which shows the experience and the professionalism of the R&D team. It is a professional application server (complete documentation on the OW2 web site: Getting Started, Reference Guides, Tips, Data sheets).
- The OW2 consortium is an international open source community which includes R&D teams, industrial partnership and research organizations, bringing, permanent innovations and quick time to market

The JOnAS Application Server Services Architecture

- OSGi based services architecture: JOnAS is a set of OSGi bundles, technical services are OSGi services
- Modularity and extensibility: the new server architecture makes it easy to replace a service implementation or to add a new service
- Dynamic configuration: services can be started, stopped, reconfigured at runtime
- Self-management: services dynamic configurability combined with the JASMINe tool allow self-management behaviours implementation
- EJB3 support thanks to the EasyBeans lightweight, efficient, modular and easy to use container; any JPA implementation easily pluggable (already validated: Hibernate, TopLink Essential, Eclipse Link, Open JPA)
- EJB 3 and EJB 2.1 containers provide optimization mechanisms for performance and scalability purpose
- Management: JMX based, advanced web console, featured for configuration, deployment, monitoring of servers, domains and clusters (web2 flex console)
- Clustering: full featured clustering framework at HTTP and RMI levels (including dynamic configuration changes capabilities, EJB 2.1 and 3 support, large scale deployment support), with high level configuration, management and monitoring facilities
- JMS: JOnAS is integrated with JORAM, the Open Source implementation of JMS™ (Java Messaging Service), through a Java EE connector;
- JOnAS technical services provide all Java EE required resources and features: web container (Tomcat or Jetty), web services, security (JAAS™, JACC™, certificates, and LDAP support), transaction support and distributed transaction coordination (through JOTM), Java EE connectors support (including connections management), Mail access, several RMI protocols (IIOP, JRMP, IRMI) support through CAROL...
- Versioning: application upgrade without interruption of service
- Deployment plan: composite application deployment, repository, url/OSGI/maven support



Key Features

- Java EE certified
- OSGi based
- Web Services
- Clustering
- Scalability
- Interoperability
- Modularity
- Extensibility
- Security support
- JMX™ based management
- JMS™ integration

Professional Support

- A worldwide multi-lingual and “on demand” professional support
- HA (High Availability) center delivering 24/7 direct support to critical environments.

www.bull.com/fr/services/support-logiciel/jonas



OW2

OW2 Consortium
21 rue de Madrid
75 008 Paris, FRANCE
www.ow2.org
contact@ow2.org

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 Lomboz, Sync4j, eXo Platform, XWiki, 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)

All names and trademarks are the property of their respective owners. Java, EJB, J2EECA, JMS, JMX, J2EE, and all Java-based trademarks are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries. OW2 is independent of Sun Microsystems, Inc.



This work is provided under the Creative Commons Public License (Attribution-NonCommercial-NoDerivs 3.0 Unported - <http://creativecommons.org/licenses>). All names and trademarks are the property of their respective owners. DISCLAIMER: This documentation is provided “as is” and OW2 disclaims all implied warranties of any kind, including warranties of merchantability, non-infringement or fitness for any purpose. Furthermore, OW2 reserves the right to make changes in its contents at any time, without notice.