


[JOnAS 5](#)

JOnAS 5

	JOnAS 5 is now Java EE certified. You can download it from here .	
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OSGi based

JOnAS 5 is designed with an OSGi™ based services architecture to provide a dynamically adaptable application server.

- 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

Java EE

- EJB3 support thanks to the [EasyBeans](#) lightweight, efficient, modular and easy to use container; any JPA implementation easily pluggable (already validated: Xplus, Hibernate, TopLink Essential, openJPA)
- Java EE Web container support with both Tomcat 6 and Jetty 6
- JMS: JOnAS 5 is integrated with JORAM 5, 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...

Clustering

- Full featured clustering framework at HTTP level and EJB levels
- Easy and dynamic clustering with CMI V2
 - multi-protocols support (RMI/JRMP, RMI/IRMI and RMI/IIOP)
 - POJO load-balancing algorithms
 - dynamic cluster parameters for large scale deployment : hot deployment of the cluster logic, update from jonasAdmin console
 - common solution proxies based for EJB2/EJB3

Management

- Management: JMX based, advanced web console, featured for configuration, deployment, monitoring of servers, domains and clusters
- Advanced management tool with [JASMINE](#) (design/deploy, error detection, performance tracking, self-management).

[JOnAS 5](#) (en)

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