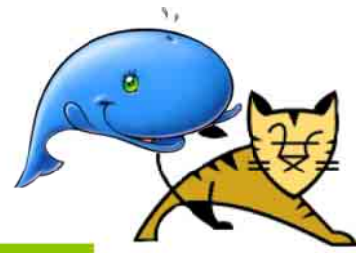


# Increase productivity and agility of your Apache Tomcat applications with OW2 JOnAS



## Leverage Tomcat applications

Lightweight application servers are widespread in enterprise information systems while monolithic Java EETM servers have been considered overly complex. Today, the Apache Tomcat application server is the most widely used web container in the world. Tomcat is commonly included in proprietary development frameworks such as *Spring (SpringSource)* and *Hibernate (Redhat)* which create vendor lock-in and monopolize their positions, effectively reducing a client's future options. OW2 JOnAS 5 offers a clear solution to vendor lock-in, because it is based on open standards.

### Innovative services

JOnAS 5 takes this a step further by simplifying software production and providing innovative services, an application integration framework, and powerful yet simplified administration. JOnAS 5 embeds the Apache Tomcat 6 web container and with its new modular and dynamic architecture, which is fully based on the OSGi™ standard, offers an excellent opportunity to get back to a standardized Java EE 5 enterprise-class platform, while reducing the costs of managing Tomcat applications across all phases "Build" / "Run" / "Manage". OW2 JOnAS paves the way towards built to size middleware, optimizing both the binary footprint on the system and resource consumption at runtime. The Java EE 6 Web Profile support will be based on Tomcat.

### Benefits for developers

- Eases development with self-configuration & diagnostic tooling, and 'à la carte' delivery of Java EE

services, helping you focus on business code;

- Supports OSGi standards helping modernize applications: Tomcat is integrated on top of the OSGi kernel, support for the Enterprise OSGi standard is provided with the HTTP Service, and Tomcat applications have access to, and can be accessed from, the underlying OSGi gateway through simple annotations.

### Benefits for administrators

- Eases administration with remote management based on well known JMX standards;
- Upgrades without service interruption, for critical 24/7 applications ;
- Improves provisioning and deployment tasks;
- Provides performance tracking and error detection;
- Best value Enterprise class support in the market.

OW2 JOnAS  
Enterprise class OSGi™ & Java EE™ compliant server

**OW2**  
Consortium



# A solution to optimize costs over all phases

## Build

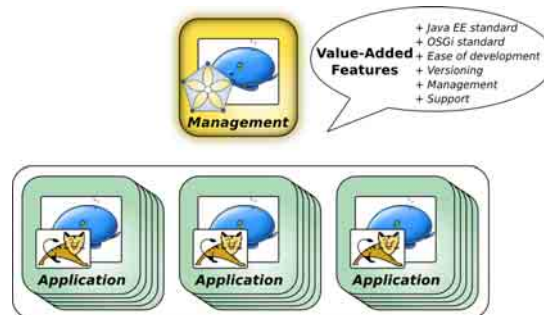
- Eases migration with a 100% Tomcat 6 compatible solution.
- Java EE 5 certified solution ensuring sustainability, portability and interoperability, and based on open standards.
- Shortens time to market and increases productivity with development and debugging tools. Eclipse/Netbeans plugins, Maven, self-configuration and on-demand services that load according to an application's needs, mature off-the-shelf technical services (datasource pool, JTA transaction manager, JPA persistence layer, among others), and diagnostic tools such as our JDBC connection leak detector.
- **Eases application evolution** thanks to the OSGi and Java EE standards;

## Run

- Enterprise class support without licensing costs (LGPL licensing);
- Avoids human error with a graphical installer and advanced configuration tools to help build complex and distributed architectures;
- Eases provisioning and deployment with remote repositories, module load sequencing, and a centralized console providing error management and history features;
- Reduces maintenance costs by avoiding oversized applications and reducing service interruption thanks to application versioning and automated deployment features.

## Manage

- Reduces administration costs, both at the application & the server levels, with remote start/stop, a centralized console, and grouped actions on servers and clusters;
- Reduces reaction time when problems occur with a performance tracking system accessible by a Web 2.0 console, an events engine to detect abnormal behavior (errors, exceeded thresholds, JVM crashes, etc.) and a notification system to alert administrators in case of faults (alarms, SNMP traps, e-mail);
- Eliminate repetitive tasks and automate corrective measures with customized definitions and actions for managed elements by means of a rules engine.



## Technical features

Open source project	Description	License	Download
OW2 JOnAS	Java EE & Enterprise OSGi application server	LGPL	<a href="http://jonas.ow2.org">http://jonas.ow2.org</a>
OW2 JASMINe	Administration framework for distributed JOnAS/Tomcat servers	LGPL	<a href="http://jasmine.ow2.org">http://jasmine.ow2.org</a>

## About OW2

OW2 is a global open-source software community whose goal is the development of open-source distributed middleware, in the form of flexible and adaptable components. The consortium is an independent non-profit organization open to companies, public organizations, academia and individuals. [For more information : http://www.ow2.org.](http://www.ow2.org)

