**What is the use of Jboss?**

JBoss Application Server is the open source implementation of the Java EE suite of services. It comprises a set of offerings for enterprise customers who are looking for preconfigured profiles of JBoss Enterprise Middleware components that have been tested and certified together to provide an integrated experience.

**Features of JBoss**

**Clustering**

A computer cluster is a group of linked computers, working together closely so that in many respects they form a single computer. Clusters are usually deployed to improve performance and/or availability over that provided by a single computer, while typically being much more cost-effective than single computers of comparable speed or availability.

**Load Balancing**

Jboss AS balances the load of the incoming request either by adding the new hardware or [installing](https://tekslate.com/installing-and-configuring-mod_jk-in-jboss/) the software load balancer e.g- mod\_jk.

**Caching**

jBoss AS provides a temporary storage area where frequently accessed data can be stored for rapid access. Once the data is stored in the cache, it can be used in the future by accessing the cached copy rather than re-fetching or recomputing the original data

**Failover**

If one server goes down, control is passed to the other server. To maintain the session Heartbeat software is configured in jBoss AS.

**Aspect-Oriented  Programming (AOP) support**

jBoss AS supports Aspect-oriented programming (AOP) which is a programmingparadigm that increases modularity by allowing the  cross-cutting concerns,separationof forming a basis for aspect oriented software development.

**Enterprise Java Beans**

jBoss supports Enterprise JavaBeans (EJB), which is a managed, server-side component architecture for modular construction of enterprise applications.

**JNDI (Java Naming Directory Interface)**

jBoss supports the [Java Naming and Directory Interface](https://en.wikipedia.org/wiki/Java_Naming_and_Directory_Interface) (JNDI), which is part of the Java platform, providing applications based on Java technology with a unified interface to multiple naming and directory services. Powerful and portable directory-enabled applications can be built using this industry standard.

**What is JBoss**

JBoss – The Professional Open Source Company

• Focuses on middleware software and services – [JBoss](http://www.redhat.com/en/technologies/jboss-middleware/application-platform) Enterprise Middleware Suite (JEMS)

• Software is open source and free

• Makes money on services

• Acquired by Red Hat in April 2006 for $420M

**What is in Jboss EAP?**

The [JBoss Enterprise Application Platform](https://tekslate.com/introduction-to-jmx-jboss/) (or JBoss EAP) is a subscription-based/open-source Java EE-based application server runtime platform used for building, deploying, and hosting highly-transactional Java applications and services.

**Is JBOSS web server?**

JBoss Web Server is an enterprise ready web server designed for medium and large applications, based on Tomcat. JBoss Web Server provides organizations with a single deployment platform for [Java Server Pages](https://en.wikipedia.org/wiki/JavaServer_Pages)  and Java Servlet technologies, PHP, and CGI.

**JBoss Enterprise Middleware Suite (JEMS)**

• [Application Server](http://en.wikipedia.org/wiki/Application_server) (JBoss AS, Tomcat)

• O/R Mapping and Persistence (Hibernate)

• Portal Platform (JBoss Protal)

• Business Process Management and Rules (JBoss jBPM, JBoss Rules)

• Object/Data Cache (JBoss Cache)

• Distributed Transaction Management (JBoss Transactions)

• Development Tools (JBoss Tools plugin for Eclipse)

**Highlights of JBoss Application Server**

• Enterprise-class reliability, performance, scalability, and high-availability

• Zero-cost product license, to download, use, embed, and distribute

• Open-source

• Built for standards – provides a safe choice for portable applications (inter-operable)

• [Service-oriented architecture](http://en.wikipedia.org/wiki/Service-oriented_architecture) provides consistency, makes it embeddable

• Aspect-oriented architecture simplifies interaction with middleware services

• 24×7 professional support by the core development team

• Active developer community

If you need instructor led live JBoss training, please [click here](https://tekslate.com/jboss-training/)

**For indepth understanding on JBoss click on:**

* [JBoss architecture](https://tekslate.com/jboss-architecture/)
* [Installation of jboss](https://tekslate.com/how-to-install-jboss-application-server/)
* [Session Configuration](https://tekslate.com/session-configuration-in-jboss/)
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