

# **System Requirements**



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# System Requirements

Jive SBS includes an optimally-configured software stack that is designed to perform well and be easy to administer. Except for the operating system, it includes everything you'll need to get the application running and configured.

Below is a list of the compatible systems, databases, and recommended hardware. Because Jive SBS is a web application we also list the compatible browsers.

OS	Application Server	Database	Authentication and User Data
<i>Including the latest 3 fixpacks:</i> RedHat Enterprise Linux (RHEL) version 4 or 5 SuSE Enterprise Linux Server (SELS) 10	Jive SBS includes the Apache Tomcat application server.	Oracle 10.x or better  Postgres 8.x or better	LDAP or AD

**Note:** Jive SBS includes the application server and JDK it requires to run.

## Hardware Requirements

Every business is different, each have different standards. Fortunately, Jive SBS is compatible with a number of hardware configurations as well as network topologies. Below are the minimum hardware requirements needed.

Component	Recommendations
CPUs	<ul style="list-style-type: none"><li>• Multicore - 2 chips with multicore optimal</li><li>• 2 Ghz Minimum</li><li>• x86 architecture</li></ul>
Memory	<ul style="list-style-type: none"><li>• 3-4 gigs physical RAM</li><li>• 2 gig memory heap (configured by default)</li></ul>
Topology	<ul style="list-style-type: none"><li>• Minimum: one box for both app and database</li><li>• Optimal: separate appserver, database boxes</li><li>• Failover: clustered applications, shared database</li></ul>
Storage	<ul style="list-style-type: none"><li>• Use a RAID configuration for best performance and reliability</li></ul>
Network	<ul style="list-style-type: none"><li>• Gigabit ethernet hardware gear (NICs, switches)</li><li>• One local network for any multi-box deployments</li></ul>

## Configuration Recommendations

### Internal Deployments

For internal deployments, expect a higher ratio of actions that write to the database. This includes creating new content, adding comments and replies, updating content, and so on. Here, writes are estimated as 15 percent of the number of page views.

Page Views per Month	Database Writes per Month	CPUs (at least 2 GHz)	RAM	Location of App Server and Database	Clustered?
500,000	75,000	1 dual core CPU	3GB, 2GB Java heap	Share a box	No
1,000,000	150,000	1 dual core CPU	3GB, 2GB Java heap	Separate boxes	No
5,000,000	750,000	1 dual core CPU	4GB, 2GB Java heap	Separate boxes	Yes
10,000,000	1,500,000	1 dual core CPUs	4GB, 2GB Java heap	Separate boxes	Yes
25,000,000	3,750,000	2 dual core CPUs	4GB, 2GB Java heap	Separate boxes. Database box is a quad core.	Yes

## External Deployments

In general, and external deployment is going to have a very high ratio of page views relative to database writes. That's because external deployments tend to support communities with a large number of people who rarely contribute but often check back to read what others are posting.

Page Views per Month	Content Created per Month	CPUs (at least 2 GHz)	RAM	Location of App Server and Database	Clustered?
500,000	20,000	1 dual core CPU	3GB, 2GB Java heap	Share a box	No
1,000,000	20,000	1 dual core CPU	3GB, 2GB Java heap	Separate boxes	No
5,000,000	50,000	1 dual core CPU	4GB, 2GB Java heap	Separate boxes	Yes
10,000,000	50,000	1 dual core CPUs	4GB, 2GB Java heap	Separate boxes	Yes
25,000,000	100,000	2 dual core CPUs	4GB, 2GB Java heap	Separate boxes/DB box is a quad core	Yes

## Evaluation Distribution

For evaluations, Jive SBS will run on both Linux and Windows. We've made an evaluation build of the software available on Windows for easy testing. It's not supported for production environments, but it'll give you a quick sense of the end-user and admin console experience with the application. There is also a way to evaluate the software online. Visit our evaluation page for more details.

## Additional System Recommendations

When you run a server-side application, you should also have a daily backup solution. At a minimum you should back up your database on a regular basis as well as the configuration files for Jive SBS (note that those are stored in one directory).

## Supported Browsers

Jive SBS is supported on the following browsers (browsers on mobile devices aren't yet supported):

- Microsoft Internet Explorer 6 and 7
- Mozilla Firefox 2 and 3
- Apple Safari 3, 3.1 or 3.2
- Google Chrome 1.0