

JadaSite Installation Guide 1.0

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Preface

Welcome to JadaSite. JadaSite is an easy to use and feature-rich content management and e-commerce system. More importantly, JadaSite is an open sourced project and the code is freely available for download. We believe open source is a better model since users can obtain the code, see the code and change it. They can also distribute the code that they have modified. If customers do not like the vendor that is serving them, they can freely switch to another vendor that they prefer or decide to support the product themselves.

Our philosophy is to ensure that JadaSite is feature-rich, easy to use and maintain, and does not require an I.T. Team for support and to make constant changes to the system. We believe in simplicity, and we use simple tools and frameworks to ensure that future changes by other parties outside of our core development team can be done easily. We constantly monitor the market to understand the trend and bring new features and ideas into JadaSite as long as they help our users to promote their sites and products.

Many sites are simply information only or mainly targeted on collaboration. However, a lot of commercial sites are for more than just information. Some sites need to sell, and selling is their business. JadaSite invests a lot of effort to help companies to promote their products and generate sales.

About this Guide

The JadaSite Installation Guide is intended for user who has basic understanding of web server and web application server.

We assume reader who downloaded JadaSite already has an web infrastructure whether via a service provider or a locally installed machine.

Audience of this guide does not required to be an technology expert. However, he/she is still required to have basic knowledge in deploying Java application to an existing Java application server.

Installing Prerequisites

Before installing JadaSite, you need to make sure you have the following components already installed in your environment.

Please try your best to use the components that are listed as recommended. Although, different versions or even different make of components can be used, it is always better to stick to the recommended versions to avoid confusion and potential problems.

Database requirement

- Currently tested with MySQL 5.0. **Recommended.**
- JadaSite should also works with MySQL 4.1 or up although it is not fully tested.
- The architecture of JadaSite allows it to run on other Database. For example, Microsoft SQL Server, Oracle, PostgreSQL.

Application server

- Extensively tested with Tomcat v5.5. **Recommended.**
- We believe JadaSite works with other version of Tomcat as well. However, it is not 100% verified.
- The architecture of JadaSite allows it to run on other application server including WebLogic, WebSphere and many more.

Web server

- Web server is only required when hosting additional templates and for user to upload resources to be included in content or items. Although web server is an optional component, it is highly recommended.
- Extensively tested with Apache 2.2. **Recommended.**
- JadaSite loosely depends on web server. You just have to make sure the web server you install is capable of hosting files via standard HTTP1.0 or HTTP1.1 protocol.

Preparing Prerequisites

Once all prerequisites are installed, you need to ensure the followings are prepared before installing JadaSite.

Database

An empty database need to be created. Once an empty database is created, please keep the following information for later use.

1. Name of the created database.
2. DNS or IP address of the machine. If the database is installed on the same machine as the application server, 'localhost' can be used.
3. Port number of the database instance. If MySQL is used, the default port number is 3306 (unless changed during setup).

Application Server

There is nothing specific that need to be prepared.

Web Server

The installed web server is required to host templates and resources uploaded by user via JadaSite. As a result, JadaSite needs access to the web server hosting directory from the application server. Once JadaSite is installed in the application server, it will start creating files with directory structure starting with `./p`. Please make sure the directory is writable during JadaSite installation.

For example, a lot of hosting companies has the hosting directory created in the location similar to this one. This name of this location is required during installation configuration.

```
/var/www/vhosts/www.mydomain.com/httpdocs/
```

This directory has to be writable by the web server. Once JadaSite is installed, directories starting with `./p` will be created inside the above directory.

To test the configuration out, simply create a test `index.html` inside `./p` as follows.

```
/var/www/vhosts/www.mydomain.com/httpdocs/p/index.html.
```

Verify the configuration by making sure the following URL is working.

```
http://www.mydomain.com/p/index.html
```

Installing JadaSite

Download JadaSite installation file

JadaSite installation file is packaged as a war file format and can be downloaded in the following location.

<http://www.jadasite.com/download>

Install JadaSite

To deploy the war file, please follows the deployment procedure for the application server that you use.

Assuming you are using Tomcat as the application server and the tomcat instance is installed in directory /opt/tomcat, please use the following guideline to deploy jada.war to tomcat. This instruction is for Unix installation only, Windows installation can be performed in similar manner.

1. /opt/tomcat/shutdown.sh
2. cp jada.war /opt/tomcat/webapps/jada.war
3. /opt/tomcat/startup.sh

Note: Depending on how Tomcat is installed, location and name of the directories may be slightly different than above.

Installation Configuration

Once JadaSite is deployed, please use the following URL to perform on-line configuration.

<http://www.mydomain.com/jada/install/process/databaseTestAction.do?process=start>



content
management
ecommerce
system

Jada Site installation

Driver

Database driver class name to be used. If you are using MySQL as the database, please enter `com.mysql.jdbc.Driver`.

Database host name

The host name of the machine where the database is located. If the application is installed together on the same machine of the database, the host name of the database is usually 'localhost'.

Database port number

Listener port of the database. If you are using MySQL default installation, the listener port is 3306.

Name of the database

Name of the empty database. Please make sure the database is already created and is empty.

User id

User id to be used to connect to the database.

User password

Password to be used to connect to the database.

Driver. Database driver class name to be used. If MySQL database is used, enters `com.mysql.jdbc.Driver`. This is apparently the only driver bundled with JadaSite installation file. If other driver is to be used, please make sure the driver's jar file is included in the CLASSPATH of the application server.

Database host name. Location of the database. If the database instance is installed in the same machine as the application server, this field can be set as 'localhost'. Otherwise, this field is the DNS or the IP address of the database machine.

Database port number. Port number of the database listener. If MySQL database is used, the default port number is 3306 (unless changed during setup).

Name of the database. Name of the empty database created.

User id. Database's user id.

User password. Password of the user id.

Working directory. Location of the hosting directory.

Log directory. Location of the log directory. Log files created by JadaSite will be located in this directory.

Enter the required information and press **Next** when done.

Once the information is entered correctly, JadaSite will perform the following.

1. Load default data into database.
2. Configuration information is written into file jada.properties located in the application directory. If you are deploying to tomcat located at /opt/tomcat, the file will be created as /opt/tomcat/webapps/jada/jada.properties.
3. File jada.complete.txt is created in the application directory to indicate installation has already been successfully completed. Once this file is created, no more installation can be performed to protect the configuration information from being changed.

Installation Complete

When installation has completed, please use the following URL to start configuration via the admin console. (Substitute www.mydomain.com with your domain name).

<http://www.mydomain.com/jada/admin/login.do>

JadaSite is installed with the following access id and password. Please make sure the password is changed as soon as you sign-in to the admin console.

ID root

Password system

In the future, if another version of JadaSite is deployed, previously configured information will be removed and installation has to be performed again. However, JadaSite installation procedure is smart enough to know the database is already created and will not be created again to protect the data from being removed especially when the database is already in use.

Perform configuration again

Although configuration has already been successfully finished, changes may still required. Since JadaSite protect further configuration once it has already been done successfully, it cannot be re-run again. In case changes is required again, you can reset the installation configuration to allow for changes via the web interface. Once reset is performed, please proceed as soon as possible to perform the changes and to complete the installation. This is very important to ensure no illegal access to the installation configuration steps. To reset installation configurable, please perform the following procedure.

1. Sign in to JadaSite admin console via <http://www.mydomain.com/jada/admin/login.do>
2. Select menu **Administration** → **System**.
3. Clicks Reset.

4. Sign out from JadaSite admin console.
5. Perform configuration again via
[http://www.mydomain.com/jada/install/process/databaseTestAction.do?
process=start](http://www.mydomain.com/jada/install/process/databaseTestAction.do?process=start)

This configuration will not create database again if the same database is used again. JadaSite is again to detect if the database is empty.

6. Restarts your application server.