

Third Party Application
Using OpenCMS with Pramati Server
Pramati Server 4.1, OpenCMS 5.0.1
Prepared by Development Team

1 Introduction

OpenCMS is an Open Source Website Content Management System, which helps you to create and manage complex websites without the knowledge of HTML. An integrated editor and a well-known UI help you to create and manage content. A sophisticated template engine enforces a site-wide corporate layout.

OpenCMS is based on Java and XML technology. Therefore it fits perfectly into almost any existing modern IT infrastructure.

2 Requirements

To use OpenCMS with Pramati Server:

- Download and Install Pramati Server 4.1 (any service pack) from Pramati website. For this document, we will use Pramati Server 4.1 SP1.
- Download OpenCMS 5.0.1 (or higher) from <http://www.opencms.org/opencms/en/download/opencms.htm>. For this document, we will use version 5.0.1 of opencms.war.
- Use MySQL database.
- Use JDK 1.4.x.

3 Configuring Pramati Server

Configure the following parameters in Server:

1. In runserver.bat of Server located in <\$PSERVER-INSTALL>/server/bin/ folder, add the parameter `-Dfile.encoding=ISO-8859-1`. This ensures that Server works with the correct charset to read and write files from the WAR.

4 Setting up MySQL Database

Install MySQL server from <http://www.mysql.com/downloads/index.html>. For Windows, run the WIN32 service and start the MySQL server.

5 Deploying OpenCMS Application

To deploy the application:

1. Open Deploy Tool.
2. Use the Open button in Deploy Tool to browse and open opencms.war.
3. Complete remaining tasks, if any.
4. Click the Deploy button.

To access the deployed application, access the following URL in your browser:

<http://localhost:8181/opencms/ocsetup>.

6 Setting Up OpenCMS

To setup OpenCMS:

1. Select a setup in the installation wizard. For our example, we will select Standard setup. Click Continue.
2. Database is by default selected as MySQL. User appears as root for both the Database server and OpenCMS connection. No need to enter any password. Connection string should show as jdbc:mysql://localhost:3306/ and Database as opencms. Create database and tables option is selected by default. Click Continue. You should get the following message:

```
Creating database ... Ok  
Creating tables ... Ok
```

3. If there are any existing databases, the wizard sends a warning and asks for your permission to drop the existing Databases. Select Yes. You should get the following message:

```
Trying to drop database ... Ok  
Creating database ... Ok  
Creating tables ... Ok
```

4. Click Continue.
5. If your system uses components that have not been tested with OpenCMS, you will receive a warning. Click on the checkbox and Continue.
6. For the options 'Do you want to import workplaces?' and 'Do you want to enable directory translation' select Yes and Continue.

7. Check the output for the imports and Continue.
8. Read the OpenCMS client setup and Select 'I have understood how to enable the ActiveX Editors' option and click Finish.

OpenCMS is now setup on your system. You can access the application as instructed on the Welcome page that appears on starting the application.

7 Known Issues

Retaining the existing administrator username and password may make your workplace vulnerable. To change the existing password for OpenCMS by changing the user preferences:

1. Click the hammer icon on the main window of workplace.
2. Add a password to the MySQL database and enter the following commands at the MySQL command line:

```
use mysql;
insert into user values ('localhost', 'opencmsuser', \
password('XXXXX'), 'N', 'N', 'N', 'N', 'N', 'N', 'N', 'N', 'N', \
'N', 'N', 'N', 'N', 'N');
insert into db values ('localhost', 'opencms', 'oopencmsuser', \
'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y');
flush privileges;
```

Note: Replace opencmsuser and opencms with your username and database if you have changed them on the setup wizard.

3. Add the new username and password to all connection strings of the database in your opencms.properties file. Only the new user can now connect to the OpenCms tables.

For more information see the MySQL documentation.