

Content Management & Generation System II

Install Guide

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# Overview

In order to install this product, you will need to install a couple third party pieces of software. Namely, MySQL and Apache Tomcat. You will of course also need a server to install all these wonderful components on. This document is aimed at making the installation of both of these components and deploying the actual application a snap. As a rule, we assume you have java installed on your server.

# System Requirements

|  |  |  |
| --- | --- | --- |
| Attribute | Required | Recommended |
| Platform | N/A | Windows 2003 Server |
| CPU | Minimal | Intel Pentium 4 2.33GHz, AMD Athlon™ 64 2800+ processor (or equivalent) |
| RAM | 512mb | 1024mb |
| Resolution | 1024 x 768 | 1600 x 1200 |
| Java Runtime Environment (JRE) | JRE 1.6 or later | JRE 1.6 or later |
| Database | MySQL | MySQL 5.0 |
| Application Server | Apache Tomcat or Glassfish | Apache Tomcat 6.x |
| Browser | Use any at your own risk | Internet Explorer 7.0/Firefox 3.x |
| Language | English | English |
| Internet Connection | Cable or DSL | Business Cable, T3 or higher |
| Javascript | Enabled | Enabled |
| OpenOffice UNO | Required | Required |

# MySQL Installation

* 1. Navigate your browser to the MySQL downloads page at: <http://dev.mysql.com/downloads/mysql/5.1.html#downloads> – During the production of this application, we used the Windows x86 (non-64 version) of MySQL, but since the web application is written in java, you should be able to pick which operating system suits your use.
  2. Assuming you choose windows, a good choice would be the “Windows MSI Installer” as this will allow for a wizard-like installation of the MySQL application.
  3. MySQL requires you have an account in order to download the application. No worries though, accounts are free. You can register for one here: <http://www.mysql.com/register.php>
  4. Once you login, you can pick a mirror to download the install file from.
  5. Double click the MySQL install utility you downloaded
  6. MySQL will take you through a wizard interface for installing MySQL, a typical installation will suit our needs just fine.
  7. Once you’ve installed and setup MySQL, you will need to create a database for the application’s info to be stored in. You can do this using the MySQL command line tool, but it is much easier to just use the MySQL Query Browser tool for this. You can find the link to the MySQL GUI Tools (which includes the Query Browser) here: <http://dev.mysql.com/downloads/gui-tools/5.0.html>
  8. Download the tools. Installing them essentially entails unzipping an archive file.
  9. Run the MySQL Query Browser. You will need the username/password you setup for MySQL during the install to do this.
  10. There is a tabbed window called “Schemata” which shows you all the databases you currently have. There should already be one in there called “mysql” at the very least. Right click in this window and choose “Create New Schemata”
  11. Enter “sigsoft” as the schema name
  12. Done! The tables necessary to run the application will be automatically created when the application is deployed.

# Tomcat Installation

* 1. First you’ll want to install the Apache Tomcat 6.0 Application Server on your own server. You can find the download page here: <http://tomcat.apache.org/download-60.cgi>
  2. Under “Binary Distributions”, choose “Windows Service Installer”. This will allow you to run Apache Tomcat as a service so it runs when your server runs.
  3. Double click on the install utility you downloaded
  4. Run through the Install Wizard (for the most part you can just click next)
  5. Leave the “Run Apache Tomcat” option checked and click Finish!
  6. An icon should appear in your system tray and Tomcat will automatically start

# OpenOffice UNO Installation

* 1. First download and install OpenOffice.org version 3.1 by going to <http://download.openoffice.org/index.html> and clicking download OpenOffice.org
  2. In order to start OpenOffice in server mode, you may do one of the following:
     1. Manual launch
        1. Navigate to the OpenOffice install directory ( default C:\Program Files\OpenOffice.org 3)
        2. Navigate to the program directory (C:\Program Files\OpenOffice.org 3\program)
        3. Run the command: soffice -accept=socket,host=127.0.0.1,port=8100;urp;
        4. OpenOffice server should open and now be running
     2. Using batch file included
        1. Double click the batch file start the OpenOffice Uno server
     3. If OpenOffice server startup fails
        + 1. Open task manager
          2. End all processes of “soffice.bin” or “soffice.exe”
          3. Restart the server

# Deploying the Application

* 1. Navigate to the Tomcat directory you’ve installed.
  2. Open the “webapps” folder
  3. Drag the application’s WAR file into this folder (ACM\_Sigsoft.war)
  4. You’ll notice a new folder called “ACM\_Sigsoft” will automatically appear.
  5. Your application is now deployed with address: <http://servername/ACM_Sigsoft>

*The next steps are optional but make things easier for accessing your application:*

* 1. Delete the “ROOT” folder
  2. Copy and paste the ACM\_Sigsoft folder in the same “webapps” folder.
  3. Rename the copy of the ACM\_Sigsoft folder to “ROOT”
  4. Your application is now deployed with address: <http://servername>