

## WISPR Installation and Setup Instructions

### Required Software

1. Install Java (> 1.5) from <http://java.sun.com/javase/downloads/index.jsp>
  - a. 1.5 was used to develop wispr
2. Install Maven from <http://maven.apache.org/>
  - a. Click installation instructions for more information on installing maven
3. Install tomcat on server or local machine from <http://tomcat.apache.org/> (version 5.5 was used for development)
  - a. Refer to documentation for installation instructions
4. Install Ant from <http://ant.apache.org/>
  - a. Refer to the manual for installation instructions
5. Install mysql on server or local machine from <http://www.mysql.com>
  - a. Click Downloads and select MySQL Community Server

### Getting the code

1. Download the WISPR source code
  - a. Using SVN: svn co <https://svn1.ucalgary.ca/wispr>

### Modify the build.properties file

1. Locate the build.properties file in wispr/trunk
2. Modify log.file
3. \*\*\*\* Modify mysql.connection.url, mysql. connection.usr and mysql.connection.pass \*\*\*\*

### Modify the build.devshare.properties file

1. Locate the build.devshare.properties file in wispr/trunk/src/main/filters
2. Modify the settings for debug
3. \*\*\*\* Modify mysql.connection.url, mysql. connection.usr and mysql.connection.pass \*\*\*\*

### Modify the config.properties file

1. Locate the config.properties file in wispr/trunk/src/main/resources/ca/ucalgary/commons/wispr
2. Change the separator value depending on server platform
3. Change Email properties
4. Change the timeZone variable
5. Change local root to reflect server file structure
  - a. Must create public directory on server for file upload/download
6. Change baseurl for access to local root files

## **Create the Database and user**

1. Using mysql, create the database wispr by:  
create database wispr;
2. Create a mysql user by:  
grant all on wispr.\* to wispr\_user@somserver identified by 'wispr';

see *hibernate.cfg.xml* for more information

## **Run MVN Install**

1. Open command terminal and cd to wispr/trunk  
Run: mvn install -Dmaven.test.skip=true

## **Build the database tables**

Using ant will run the scripts located in build.xml (located in wispr.trunk)

1. Open a terminal to use ant
2. cd into wispr/trunk
  - a. run the command: ant db.create
  - b. Verify that the tables have been added to the database

Note: if db.create does not work for some reason, download a mysql DB dump at [http://webapps3.tlc.ucalgary.ca/wispr\\_install/wispr\\_dump\\_17.03.2009.sql](http://webapps3.tlc.ucalgary.ca/wispr_install/wispr_dump_17.03.2009.sql)

## **Add default information to database**

1. Change any default information for application (such as course content, logbook questions, and default users) in DatabaseUtils.java
  - a. Default admin login is username admin with password wisprs
2. Add default data by running command: ant db.addSampleData (This step is required as all default course content, logbook content and admin users must be added to the database)

## **LDAP settings**

If LDAP authentication is being used the LDAP settings can be changed in java/authentication/LdapVerification.java. Otherwise, WISPR accounts will have to be created for each user using the user management interface as WISPR Admin.

## **Deploy WISPR Application**

1. Locate the wispr .war file in wispr/trunk/target
2. Copy .war file to tomcat/webapps

3. Start or restart tomcat
4. WISPR application should now be running
5. Create a custom URL or at very least a symbolic link to wispr-2.0-SNAPSHOT in tomcat

**If worst comes to worst, and nothing else is working**

1. Download and unzip the pre-built WISPR application available at [http://webapps3.tlc.ucalgary.ca/wispr\\_install/wispr-2.0-SNAPSHOT.zip](http://webapps3.tlc.ucalgary.ca/wispr_install/wispr-2.0-SNAPSHOT.zip)
2. Modify the config.properties file as described above
3. Modify the hibernate.cfg.xml file (mysql connection settings)
  - a. Change the connection.url property
  - b. Change the connection.username property
  - c. Change the connection.password property
4. Download the DB sql file at [http://webapps3.tlc.ucalgary.ca/wispr\\_install/wispr\\_dump\\_17.03.2009.sql](http://webapps3.tlc.ucalgary.ca/wispr_install/wispr_dump_17.03.2009.sql)
  - a. Import the sql file into MySQL DB
5. Place webapp in Tomcat and start Tomcat service

*Note: At least this method will get you the prebuilt webapp files, which then could be modified. This is a last resort and is not guaranteed to work.*