# Installation

## Build the WAR

1. Check out the latest code from SVN.
2. Run the Ant build script “build.xml”
3. Locate the WAR package at “lib/rimsgroup3-1.0.war”

## Setup the server

1. Install an OS such as Ubuntu
2. Install Apache Tomcat 6.0
3. Install MySQL 5.1
   * Refer to your OS’s documentation for installation steps

## Setup MySQL

1. Start MySQL
2. Create a blank MySQL database
3. Run the “create-tables.sql” SQL script from the SVN folder “scripts” to create the required database tables

## Setup Tomcat

1. Copy the WAR file to Tomcat’s “webapps” folder
2. Copy all the files from the “config” file in the SVN to Tomcat’s “config” folder
3. Edit the “Connector” element in “server.xml” to use port 80
4. Edit the “Resource” element in “context.xml”
   1. Edit the “username” property to match the MySQL database’s user name
   2. Edit the “password” property to match the MySQL database’s password
   3. Edit the “url” property to match the MySQL server’s name, port, and the database name
      * The format is “jdbc:mysql://*server\_name*:*port*/*database\_name*?...”
5. Edit the “webapps/rimsgroup3/WEB-INF/classes/configuration.properties file
   1. Edit “crossrefEmail” to your Crossref API developer key
   2. Edit “scopusDevId” to your Scopus API developer key
6. Start Tomcat
7. Open a browser to verify the server is running

# Maintenance

## Updating the WAR code

1. To install bug fixes or code changes, build a new WAR
2. Overwrite the WAR file in Tomcat’s “webapps” folder with the new one
3. Restart Tomcat

## Installing new plugins

1. Generate a JAR file containing the MetadataRetriever implemented class
2. Add a “META-INF\services\nz.ac.massey.rimsgroup3.metadata.MetadataRetriever” file to the JAR that contains the name of the implementing class
3. Place the JAR file in Tomcat’s “webapps\rimsgroup3\WEB-INF\lib” folder
4. Restart Tomcat