

## Adding Java Mail, JFreeChart, and JCommon libraries to Eclipse

This document describes how to add the Java Mail, JFreeChart, and JCommon libraries to the Stocker project in Eclipse.

- The Java Mail library is required to send emails with Stocker.
- The JFreeChart and JCommon libraries are needed to plot charts in this application.
- After installing each of these libraries in Eclipse, add the libraries to the Stocker project.

### Java Mail library

1. Download Java Mail version 1.4.4 from the following website:

<http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-eeplat-419426.html#javamail-1.4.4-oth-JPR>

Accept the license agreement, then click javamail1\_4\_4.zip.

2. Unpack the files and navigate to the newly created javamail1\_4\_4 directory.

3. If Eclipse is not already running, launch Eclipse.

4. Select Windows > Preferences. Then select Java > Build Path > User Libraries

5. Click the “New” button, enter “Java Mail 1.4.4”, and click “OK”.

6. Click the Java Mail 1.4.4 entry in the User Library List and then click the “Add JARs” button. Navigate to the javamail-1.4.4 directory and select the “mail” JAR file.

7. Double click on the “Javadoc location: (None)” entry and then click the “Browse” button. Navigate to and select the Java Mail “docs/javadocs” directory then click “OK” on the Javadoc Location Selection dialog.

Click “OK” on the Javadoc for ‘mail.jar’ dialog box.

Click “OK” on the Preferences dialog box.

For more information on the Java Mail library, refer to:

<http://www.oracle.com/technetwork/java/faq-135477.html#libeclipse>

## **JFreeChart and JCommon libraries**

1. Download JFreeChart version 1.0.13 from the following website:

<http://sourceforge.net/projects/jfreechart/files/1.%20JFreeChart/1.0.13/>

For Windows, download: jfreechart-1.0.13.zip

For Unix/Linux, download: jfreechart-1.0.13.tar.gz

Note that the JCommon library is included in this download

2. Unpack the files and navigate to the newly created jfreechart-1.0.13 directory.
3. If Eclipse is not already running, launch Eclipse.
4. Select Windows > Preferences. Then select Java > Build Path > User Libraries
5. Click the “New” button, enter “JFreeChart 1.0.13”, and click “OK”.
6. Click the JFreeChart 1.0.13 entry in the User Library List and then click the “Add JARs” button. Navigate to the directory jfreechart-1.0.13/lib directory and select the jfreechart-1.0.13 JAR file.
7. Double click on the “Source attachment: (None)” entry and then click the “External folder...” button. Navigate to and select the JFreeChart “source” directory then click “OK” on the Folder Selection dialog.  
Click “OK” on the Source Attachment Configuration dialog box.
8. The JFreeChart library also uses the JCommon library. The JCommon library is included in the JFreeChart-1.0.13 download. To add the JCommon library, click the “New” button, enter “JCommon 1.0.16”, and click “OK”.
9. Click the JCommon 1.0.16 entry in the User Library List and then click the “Add JARs” button. Navigate to the jfreechart-1.0.13/lib directory and select the jcommon-1.0.16 JAR file.
10. Double click on the “Source attachment: (None)” entry and then click the “External folder...” button. Navigate to the JFreeChart directory, select the “source” directory, then click “OK” on the Folder Selection dialog.  
Click “OK” on the Source Attachment Configuration dialog box.  
Click “OK” on the Preferences dialog box.

For more information on adding the JFreeChart and JCommon libraries, refer to

<http://surfnet.dl.sourceforge.net/project/jfreechart/2.%20Documentation/1.0.13/jfreechart-1.0.13-install.pdf>

## **Add Libraries to the Stocker Project**

After adding the jFreeChart, jCommon, and javaMail libraries in Eclipse, add them to the Stocker project as follows:

1. Right click on the “Stocker” project in Eclipse and select “Properties”.
2. Click on the “Java Build Path” on the left, then click on the “Libraries” tab on the right.
3. Click the “Add Library” button, then select “User Library”, and click Next.
4. Select the JCommon, JFreeChart, and JavaMail libraries, then click “Finish”. Click “OK” on the “Properties for Stocker” dialog.