

Breakbulk Tool Setup

Last Revision on 10-Jul-2013

Checking out BBT

The source code for BBT can be checked out of the repository at **svn://devslo180/svnroot** in location **projects/ICODES/breakbulk-tool**

Usually you will check out the entire trunk.

Setting Up the Server

Verifying Eclipse is Configured Properly

1. Ensure that your eclipse workspace is using a jdk instead of a jre.
 1. Window -> Preferences -> Java -> Installed JREs
 2. Make sure the selected item is a JDK
2. Ensure that eclipse is using the correct maven installation
 1. Window -> Preferences -> Maven -> Installations
 2. Make sure you are using the local copy you should have already downloaded
3. Ensure that tomcat is properly configured.
 1. Window -> Preferences -> Tomcat
 2. Make sure the correct version and tomcat home are selected
 3. Expand the Tomcat option and select the JVM Settings options
 4. Make sure the following JVM parameters are present:

```
-Djavax.net.ssl.trustStore=conf\truststore.jks  
-Djavax.net.ssl.trustStorePassword=changeit  
-Xmx1024m  
-XX:MaxPermSize=384m
```

4. Ensure that all of the project dependencies are built and downloaded. To do this, run the parent pom as a maven install. Under the breakbulk-tool project, right-click the pom.xml file. Select Run As -> Maven Install

Importing the Server Project

In Eclipse after checking out the entire project, find the 'bbt-server' folder in the 'breakbulk-tool' project. Right-click and select "Import...". Select the "Existing Maven Projects" option and click "Next". Make sure the root directory ends with bbt-server. Select the pom and click "Finish".

Configuring the Project as a Tomcat Project

There will now be a breakbulk-tool-server project in eclipse.

1. Right-click the breakbulk-tool-server project. Select properties.
2. Select the tomcat option
3. Check the box for Is a Tomcat Project
4. For the Context name, enter: *BreakbulkTool*
5. For the Subdirectory to set as web application root, enter: */target/BreakbulkTool*
6. Click Apply. Click OK
7. Right-click the breakbulk-tool-server project -> Tomcat project -> Update context definition

Cleanup and Verification

You may notice that the breakbulk-tool-server project has errors. It is a good chance that those are a result of a generated version class that is built as a result of maven installs. Make sure the problems in the project are a result of missing Version classes and incorrect Version references. This problem has a tendency to appear if you clean and install the entire project and may occur more frequently. To fix this issue:

1. Right-click the breakbulk-tool-server project. Run As -> Maven Install
2. Right-click the project again. Maven -> Update Project Configuration -> OK
3. Repeat steps 1 and 2 until the errors disappear.
4. Run one final maven install.

The server should be in a working state. Double check by starting tomcat and navigating to <https://localhost:8443/BreakbulkTool> or <https://localhost/BreakbulkTool> depending on your tomcat configuration.

Setting Up the Client

Importing the Client Project

1. Open Flash Builder (I prefer the project explorer view so I will be referring to that, but the package explorer and navigator views work the same way)
2. Right-click within the Project Explorer view and select Import... Select the Existing Maven Projects Option. Click Next.
3. Click Browse... and select the **bbt-client** folder contained in the breakbulk-tool folder in your eclipse workspace. Click Finish.
4. Right-click the newly imported breakbulk-tool-client project in the project explorer and select properties -> Resource -> Linked Resources.
5. Click New... Enter BBT_WEBAPP_DIR as the name, and click Folder... Browse to and select *<Your eclipse workspace>\breakbulk-tool\bbt-server\target\BreakbulkTool* as the location folder. (This may also need to be done in Preferences -> General -> Workspace -> Linked Resources)
6. Select the Flex Build Path option in the Project Properties window. Make sure the output folder is $\{BBT_WEBAPP_DIR\}$ and the output folder url is either <https://localhost:8443/BreakbulkTool> or <https://localhost/BreakbulkTool> depending on which port you are running your server on. Click OK.

7. Select the project in the Project Explorer, then select Project -> Clean... (Make sure you have the start a build immediately option selected with the Build only the selected projects option) Click OK.
8. If the unable to create HTML templates error appears, right-click the error in the problems view and select the re-create HTML templates option. Then run a clean again.
9. The client is now ready to run, make sure the server is running, then click the debug tool, if prompted, select flash application. Your browser will open running your local client in debug mode. (So long as you have the debug version of flash installed for your browser)

CategoryHomepage

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