

Using QBrowser v2 with WebLogic JMS for 10.3

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WebLogic Server does not include a convenient tool to browse JMS destinations. Freely downloadable QBrowser version 2 tool, with some configuration, can be used to provide easy to use functionality to work with WebLogic JMS destinations. This article discusses how QBrowsers should be configured to work with the JMS destinations managed through the WebLogic Server 11g (10.3), which was the current version at the time this article was written.

Download the QBrowser archive from SorceForge, for example <http://sourceforge.net/projects/qbrowser2/>. The version used for this article was QBrowser_light_V2.5.2.1_forJDK1.6.zip.

QBrowser needs access to a variety of WebLogic JARs, so unzip the archive to a convenient directory on the WebLogic Server machine. I unzipped the archive to C:\tools, giving me the path of C:\tools\QBrowser_light_V2.5.2.1_forJDK1.6 to the command scripts to run the tool.

The command script, run_wls_mq.bat, which runs the QBrowser for the WebLogic JMS was created for an earlier version of WebLogic. It needs to be modified to support WebLogic 11g, which is the current version at the time of this writing.

Make a backup copy of the script, for example as run_wls_mq.bat_orig.

Edit run_wls_mq.bat as follows.

Where indicated with the comment "@rem set here your BEA Home" add the two variable assignments to set BEA_HOME and WL_HOME to the locations appropriate for your installation. My locations are used below.

From

```
@rem set here your BEA Home

@rem set here your WebLogic Home
@rem you can only set weblogic10 server folder.
@rem set WL_HOME=C:\bea\wlserver_10.3
```

To

```
@rem set here your BEA Home

set BEA_HOME=C:\Oracle\Middleware\11g_home
set WL_HOME=%BEA_HOME%\wlserver_10.3
```

Replace the entire block of code shown below:

```
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.identity_1.1.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.transaction_2.5.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.wls_1.0.0.0_5-0-2-0.jar
```

```

set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.full_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security_1.0.0.0_5-0-2-0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.rmi.client_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.classloaders_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.management.core_2.3.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.descriptor_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.logging_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.socket.api_1.0.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.common.security.api_1.0.0.0_5-0-2-0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.digest_1.0.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.workmanager_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.lifecycle_1.1.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.wrapper_1.3.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.store_1.4.0.0.jar

```

with the following block of code, to provide current JAR versions:

```

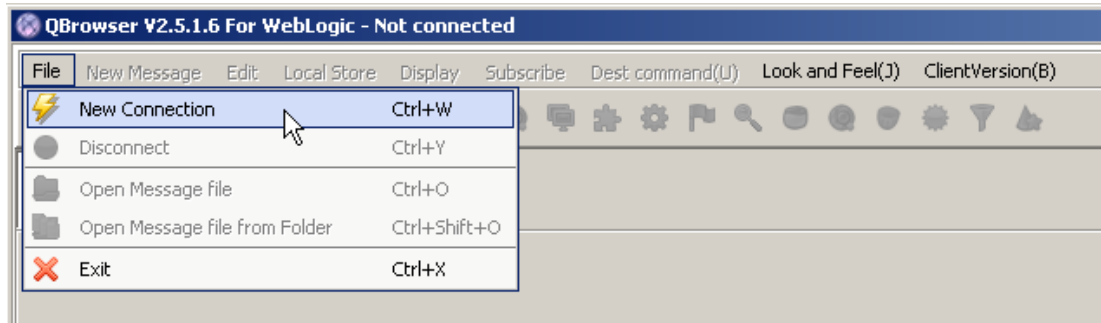
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.identity_1.1.2.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.transaction_2.6.1.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.wls_1.0.0.0_6-0-3-0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.full_1.8.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security_1.0.0.0_6-0-3-0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.rmi.client_1.7.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.classloaders_1.7.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.management.core_2.7.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.descriptor_1.8.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.logging_1.7.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.socket.api_1.0.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.common.security.api_1.0.0.0_6-0-6-0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.security.digest_1.0.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.workmanager_1.8.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.weblogic.lifecycle_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.utils.wrapper_1.4.0.0.jar
set QB_CLASS_PATH=%QB_CLASS_PATH%;%BEA_HOME%\modules\com.bea.core.store_1.6.0.0.jar

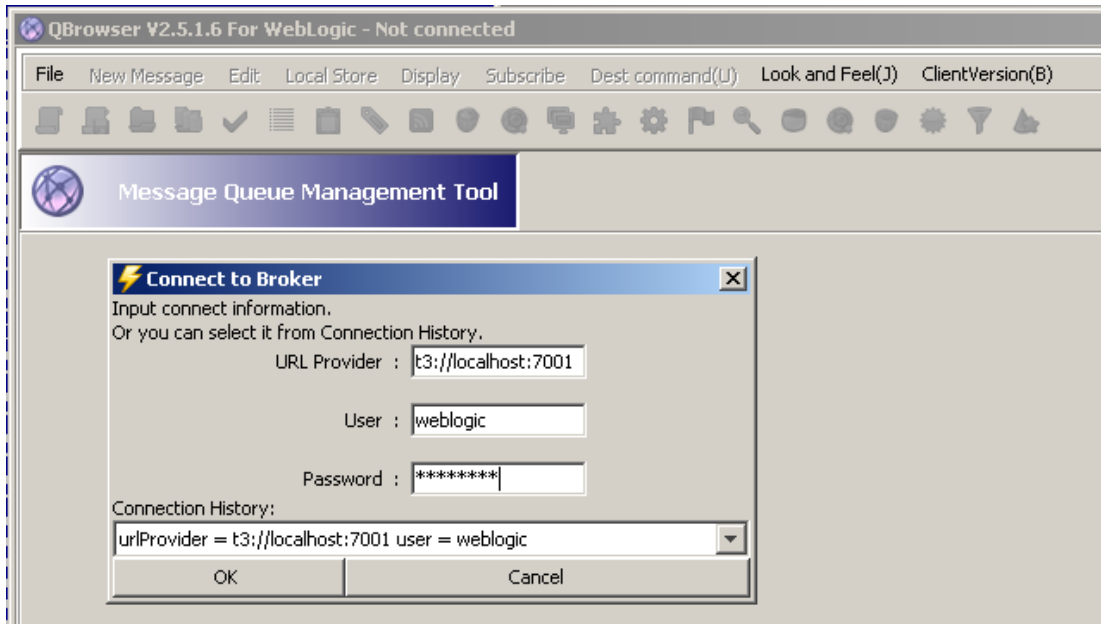
```

This is it. Now run the command script:

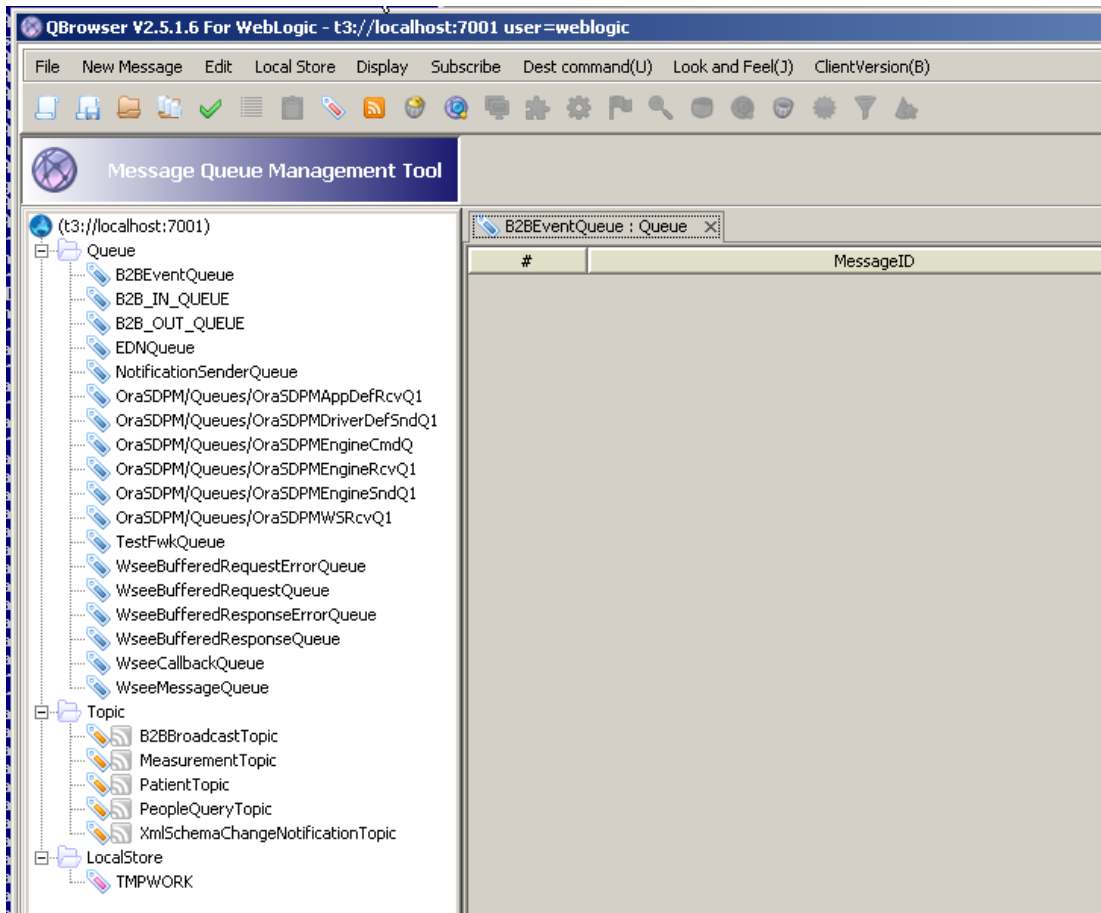
```
C:\tools\QBrowser_light_V2.5.2.1_forJDK1.6\run_wls_mq.bat
```

Once QBrowser starts create a New Connection to the appropriate WebLogic JMS server.

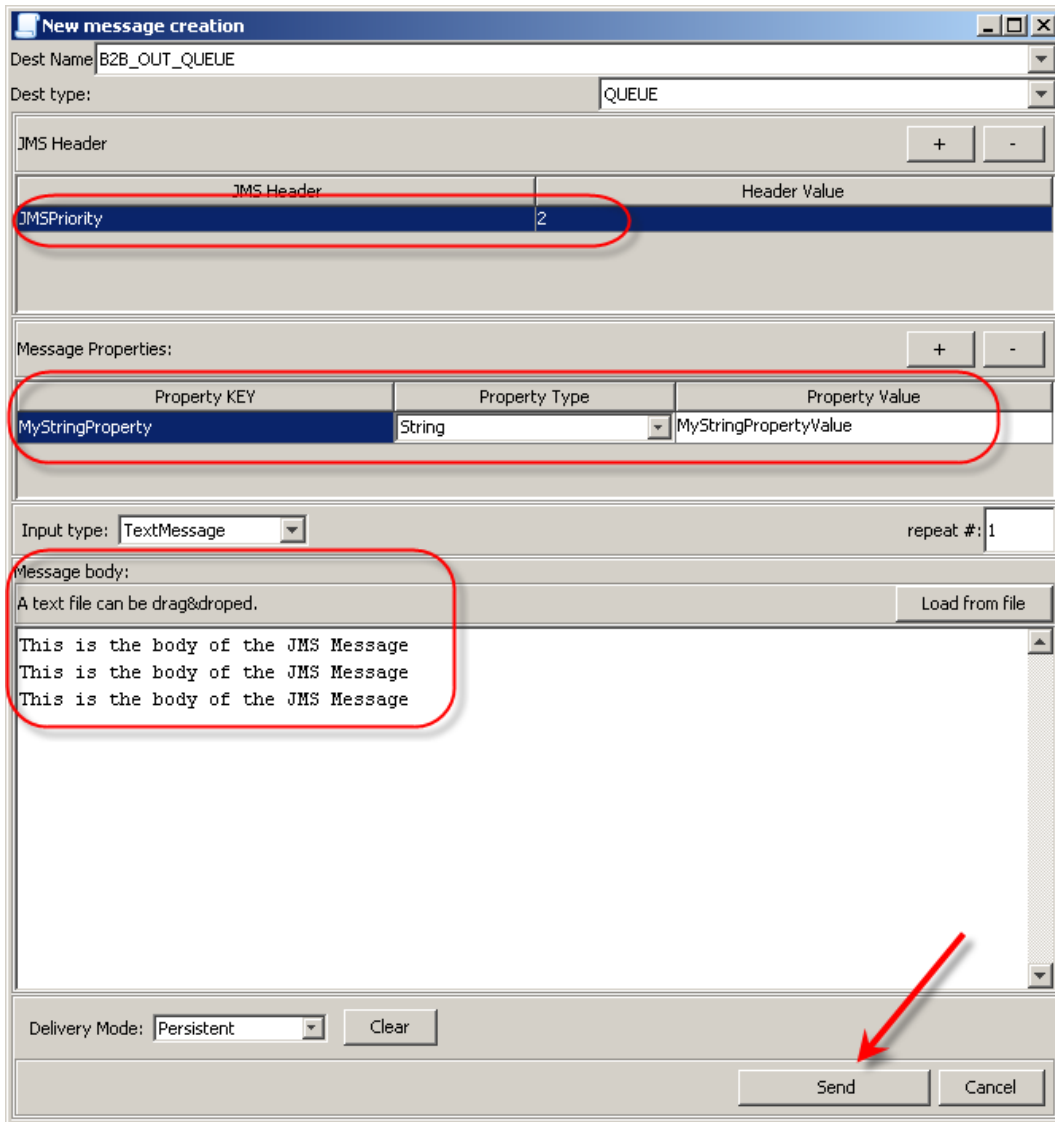
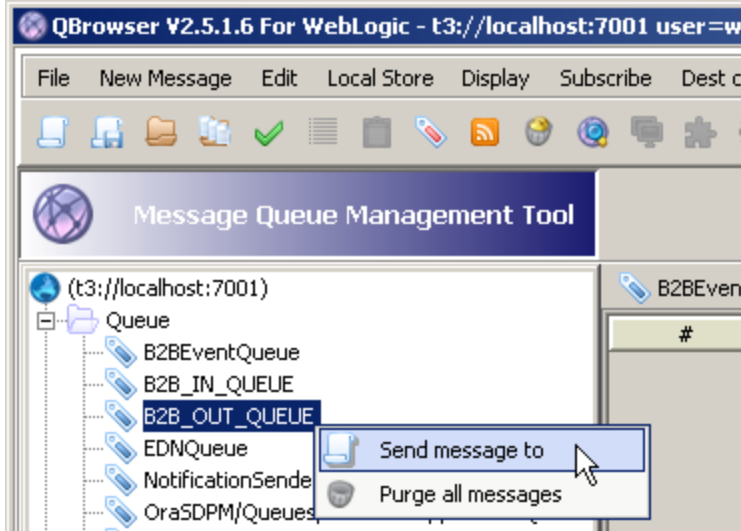


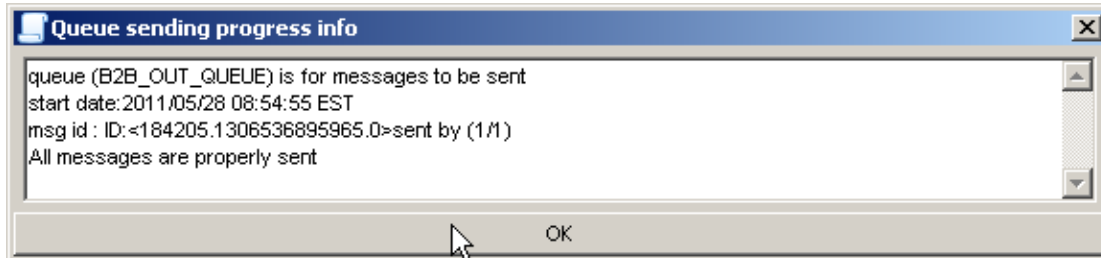
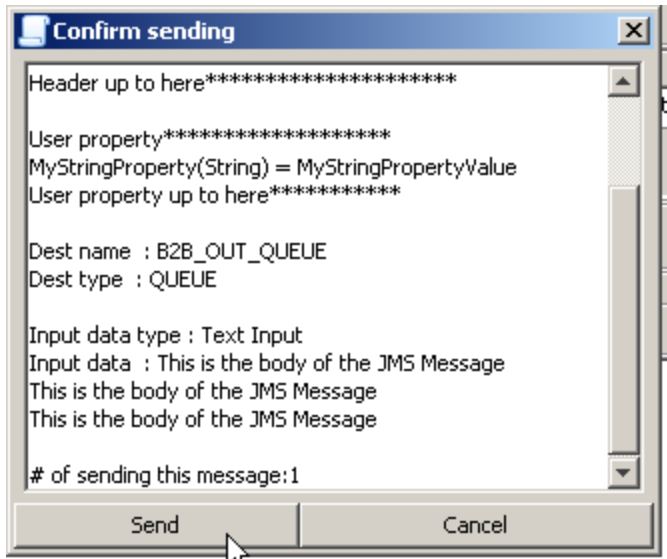


Once the connection is established all JMS Queues and Topics will be displayed in a tree.

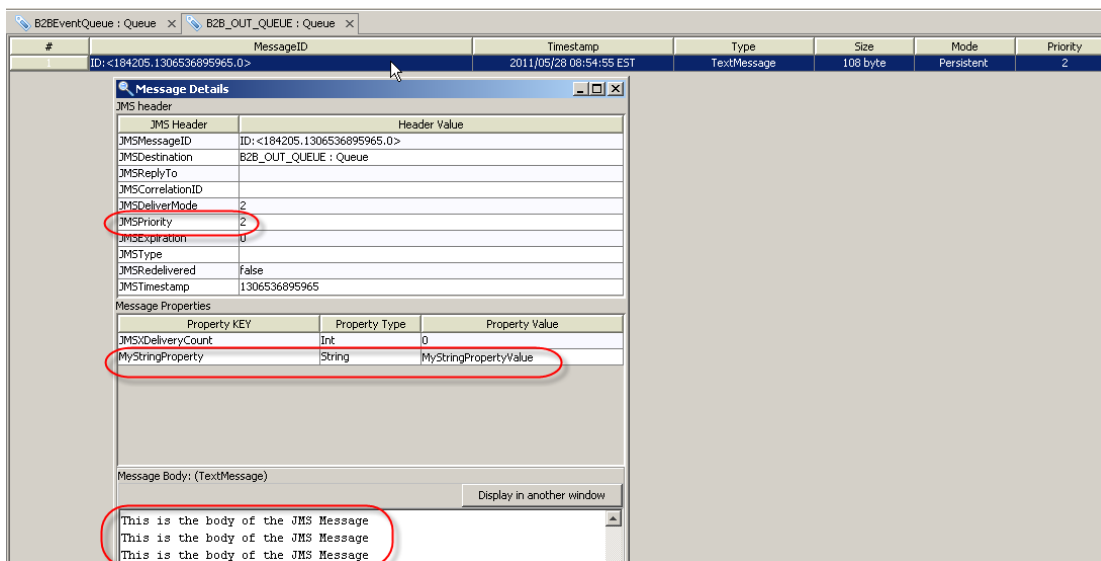


Submit a message to the B2B_OUT_QUEUE.

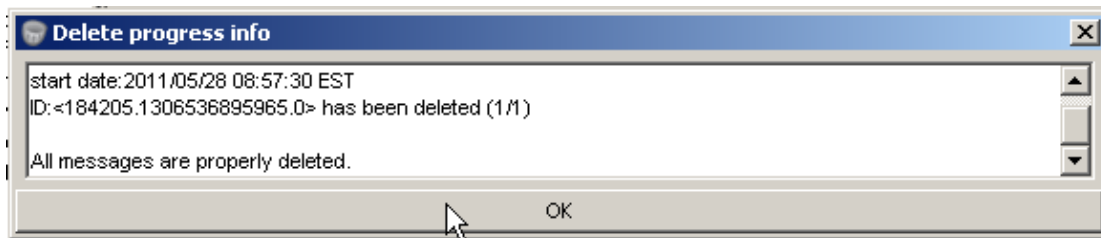
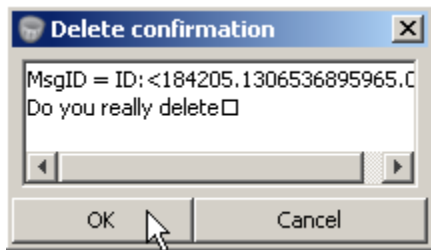
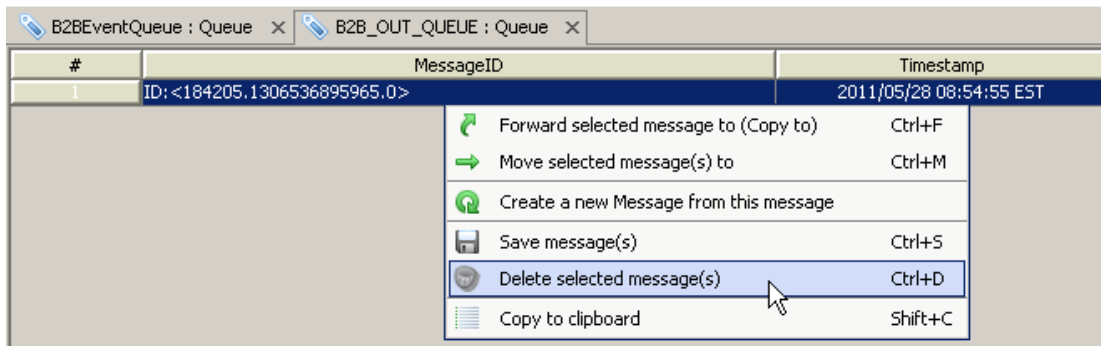




Inspect the message just sent.



Delete the message.



One can use the QBrowser to inspect messages in JMS destinations, submit messages, and delete messages, and so on. One cannot create queues and topics using this tool. WebLogic Server tooling is needed for this.