# 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 <u>http://sourceforge.net/projects/qbrowserv2/</u>. 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 theQBrowser 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

То

@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.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.weblogic.socket.api\_1.0.0.0.jar set QB\_CLASS\_PATH=%QB\_CLASS\_PATH%;%BEA\_HOME%\modules\com.bea.core.weblogic.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.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.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.api\_1.0.0.0\_jar set QB\_CLASS\_PATH=%QB\_CLASS\_PATH%;%BEA\_HOME%\modules\com.bea.core.weblogic.security.api\_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.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.weblogic.lifecycle\_1.1.0.0.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.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
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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 WebLogc JMS server.

١	🚱 QBrowser ¥2.5.1.6 For WebLogic - Not connected													
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r		Disconnect	Ctrl+Y	· -									-	
l		Open Message file	Ctrl+0											
		Open Message file from Folder	Ctrl+Shift+O											
	×	Exit	Ctrl+X											
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	Message Queue Management Tool																						
	F Connect to Broker																						
		Input connect information. Or you can select it from Connection History. URL Provider : t3://localhost:7001 User : weblogic																					
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Once the connection is established all JMS Queues and Topics will be displayed in a tree.

🕼 QBrowser V2.5.1.6 For WebLogic - t3://localhost:7001 user=weblogic								
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Message Queue Management Tool								
🔇 (t3://localhost:7001)	B2BEventQueue : Queue X							
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WseeBufferedRequestErrorQueue								
WseeBufferedResponseErrorOueue								
WseeMessageQueue								
B2BBroadcastTopic								
ManagewotificationTopic								
📄 🗁 LocalStore								

Submit a message to the B2B\_OUT\_QUEUE.

🗑 QBrowser ¥2.5.1.6 For We	bLogic - t3:/,	/localhost:70	)01 user=v	~	
File New Message Edit L	ocal Store D	isplay Subsc	ribe Dest	c	
	1	s 🚷 🧕	<b>9</b> #		
Message Queue	Manageme	ent Tool			
<ul> <li>(t3://localhost:7001)</li> <li>Queue</li> <li>B2BEventQueue</li> <li>B2B_IN_QUEUE</li> <li>B2B_OUT_QUEUE</li> <li>EDNQueue</li> <li>NotificationSende</li> <li>OraSDPM/Queues</li> </ul>	Send mess	sage to hessages	Serve	n	
New message creation					_
st Name B2B_OUT_QUEUE					
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🔄 Queue sending progress info	×
queue (B2B_OUT_QUEUE) is for messages to be sent start date:2011/05/28 08:54:55 EST msg id : ID:<184205.1306536895965.0>sent by (1/1) All messages are properly sent	4
ОК	

## Inspect the mesage just sent.

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	JMS header									
	JMS Header	He	ader Value							
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	JMSReplyTo									
	JMSCorrelationID									
	JMSDeliverMode	2								
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				Display in another window						
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	This is the bod	v of the JMS	Message							

Delete the message.

🗞 B2BEventQueue : Queue 🗙 💊 B2B_OUT_QUEUE : Queue 🗙								
# Mes	Timestamp							
ID:<184205.1306536895965.0>	2011/05/28 08:54:55 EST							
	norward selected message to (Cop	y to) Ctrl+F						
	➡ Move selected message(s) to	Ctrl+M						
	🔞 Create a new Message from this m	essage						
	☐ Save message(s)	Ctrl+S						
	Delete selected message(s)	Ctrl+D						
	Copy to clipboard	√ Shift+C						
Delete confirmation       MsgID = ID: <184205.1306536895965.C								
🗑 Delete progress info		×						
start date:2011/05/28 08:57:30 EST								
<ul> <li>ID:&lt;184205.1306536895965.0&gt; has been dele</li> </ul>	eted (1/1)							
All messages are properly deleted.		•						
	ок							

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