Hermes JMS Configuration for Java MQ

Hermes JMS Home Page is at <u>http://www.hermesjms.com/confluence/display/HJMS/</u><u>Home</u>. There are installation instructions at the site. Follow the installation instructions to get the product installed, then follow the instructions below to configure it to work with Java MQ. Note that it will only work if your Java MQ is installed to use default port 7676.

Start HermesJMS. You should see a window similar to the fragment here.



Expand the sessions pane so it is a bit wider then what it is by default and right-click anywhere inside the Sessions pane. Choose New->New session ...

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E E E E E E E E E E E C E C E C E C E C)))	New Edit Properties	,	×	8 6 0	New session New Context Add queue	Create	JMSDestination IFinanceOut new JMS session.

Replace <new> with JavaMQ and click the Apply button

🐗 Preferences				×		
Session				1		
Session: JavaM	IQ 🗾	Use (Consumer: 🕅			
Audit:		Re	econnects: 0			
Plug In						
Default				•		
Property			Value			
Connection Factory						
Connection Factory				[
Class: hermes.NullConnectionFa	actory	Loade	er: System			
Property			Value			
Destinations						
Name	ShortN	ame	Domain			
examples.xml			QUEUE			
fix.xml			QUEUE	-		
Connection						
ClientID: User: Password: Shared						
Sessions Providers General R	Renderers					
		ОК	Cancel	Apply		

Click on the Providers Tab, right click anywhere inside the Classpath Groups pane and choose Add Group

🐗 Preferences			×
ClasspathGroups			1
ClasspathGroups containing JMS providers and d	lependent librarie	es.	
Classpath	Groups		vi
OpenMQClassPathGroup			
		Add Group	
		Remove Grou	p 📃
Sessions Providers General Renderers		Rename	
	ОК	Cancel	Apply

Name the group JavaMQClasspahGroup. Right-click on the long button called Library and choose Add JAR(s).

🐗 Prefer	ences				×
Classpath	Groups				
Classpat	hGroups containing J	MS providers	and dependent librarie	s.	
		Clas	sspath Groups		
🛨 Open	MQClassPathGroup				
🖃 JavaN	1QClasspathGroup				
	Add JAR(s)		Library		
	Remove JAR(s)				
1	Copy to	•			
	Move to	•			
Sessions	Providers General	Renderers			
			ОК	Cancel	Apply

Navigate to your GlassFish application server's imq/lib directory, or your standalone Java MQ installation's lib directory. For OpenESB installed to C:/sun on Windows it will be something like:

C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib

This should work whether the imq/lib comes from Java MQ 4.1, OpenESB installation, GlassFishESB installation or Java CAPS 6 installation.

Open	_				
Look in:	🛅 lib		*	🧷 📁 🖽 📼	1
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My Computer	imqutil.jar				
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	File <u>n</u> ame:				Open
My Network	Files of type:	All Files			Cancel

Choose the following JARs. Not all may be required by I did not spend the time figuring out the minimum necessary set. fscontext.jar imq.jar imqadmin.jar imqbroker.jar imqproker.jar imqutil.jar imqxm.jar jaxm-api.jar jhall.jar



Allow Hermes to scan the JARs.

W Preferences	×
ClasspathGroups	
ClasspathGroups containing JMS providers and dependent libraries.	
Classpath Groups	
OpenMQClassPathGroup	
JavaMQClasspathGroup	
Library	
Please choose	×
Hermes will scan the JAR(s) for JMS connection factories when you confirm this dialog. You only need to do this if you're not using JNDI and it can take some time if the library is v If using BEA WebLogic select "Don't scan"	very large.
ScanDo	n't scan

Once the JARs are scanned the Library will list all the JARs. Click the Apply button.

🦇 Preferences 🔀
ClasspathGroups
ClasspathGroups containing JMS providers and dependent libraries.
Classpath Groups
OpenMQClassPathGroup
JavaMQClasspathGroup
Library
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\fscontext.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imq.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imqadmin.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imqbroker.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imqjmx.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imqutil.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\imqxm.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\jaxm-api.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\jhall.jar
C:\Sun\openesb\glassfish-v2-ur2-b04-patch-20080929\imq\lib\jms.jar
Sessions Providers General Renderers
OK Cancel Apply

Click the Apply and the OK buttons.

Right-click the JavaMQ session and choose Edit to open configuration dialogue again.

Pull down the Loader menu and choose the JavaMQClasspathGroup. Pull down the Class menu and choose the com.sun.messaging.QueueConnectonFactory class. Click OK.

Session: Ja	vaMQ	Use Consumer:			
Audit:		Reconnects: 0			
Plug In		القلين.			
Default					
Property	4	Value			
Class: com.sun.messaging.Queue(ConnectionFactory	Loader: JavaMQClasspathGroup			
	1	g			
Destinations					
B Lange of C	ShortName	Domain			
Name	examples.xml QUEUE				
examples.xml fix.xml		QUEUE			
Connection	User:	QUEUE Password:			

Right-click JavaMQ session and choose New->Add queue ...

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context:)	Edit				ß	Ne	w Context			
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	GA ×	Discover Delete			Ctrl+X	U 67 17	Ad Ad	d durable w Message	Add a new	que	20

Add queue qFinanceOut, or whatever Queue you need to snoop on.

🀗 Destination Properties	×
Hermes Properties	1
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Misc	
Name	qFinanceOut
ShortName	
Selector	
Domain	QUEUE
Durable	False
DurableName	
Username	
Password	
Name	ding in INDI
Hermes	
	OK Cancel

Right click on the JavaMQ session and choose New->Add topic ...

Add topic tMyTopic, or whatever topic you would like to snoop on.

Delete fix.xml and examples.xml under JavaMQ if you like.

Sessions		07 P	O JavaMQ qErrorOul	🧿 JavaMQ qFinanceOut 🛛 🗙
jms		-	#	JMSMessageID JMSDes
E Sessions				0 ID:380-129.150.152 qFinanceOut
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🔍 💽 fix.xm	. . .			
• QErro		New	•	
qFina)	Edit		
	١	Properties		
	Þ	Duplicate		
i 📋 files	6.	Discover		
	×	Delete	Ctrl+X	
	0	Browse	Delete the queue, top	ic, session, context or message store.

Once the JavaMQ session is configured and queues and topics of interest are configured we can interact with the Java MQ broker, view messages in destinations, truncate destinations (delete all messages) and so on. The functionality of Hermes JSM can be used as required.

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	Browse with	selector Browse the queu	e, topic or context
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	Unsubscribe.		Quantity>22<
3	Cascade/Coll	apse	
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