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# Integrated Capture Points Guide

WebSphereMQ—Interaction Server JVM

# WebSphereMQ—Interaction Server JVM

This page provides an example of configuring Interaction Server options to load JVM and all of the required libraries when using WebSphere MQ. See also the general description of [configuring for Java](#).

## Configuring Interaction Server options to load JVM and all of the required libraries (WebSphere MQ example)

### Start

1. On the **Options** tab of the Interaction Server Application, create a section named `java-config` and add the option:

`jvm-path=/usr/local/java/jdk1.6.0_22/jre/lib/sparcv9/server/libjvm.so` (the full path to the `libjvm.so`, or `jvm.dll` if the operating system is Windows, on the host on which the Interaction Server is deployed).

2. Create a section named `jvm-options` and add the following option:

```
-Djava.class.path=./jms/jms_wrapper.jar:./transformation/  
xml_transformer_capture_point.jar:  
./transformation/groovy-all-2.4.15.jar:./transformation/xercesImpl.jar:  
./transformation/xsltc.jar:/usr/location/jms/mq/com.ibm.mq.allclient.jar:  
/usr/location/jms/mq/providerutil.jar:/usr/location/jms/mq/fscontext.jar:/usr/  
location/jms/mq/jms.jar
```

The example classpath contains list of jars required for IBM MQ 9.0.0. If you use another version of IBM MQ, refer to the corresponding documentation.

3. Add the options `-Xoss1m` and `-Xss1m` to the `jvm-options` section. These options must have empty values.

### End

Note on the first of the three options in Step 2: This option specifies the class path to Java archives that are necessary for JMS Capture Points on WebSphere MQ with iWD compatibility transformations to run. Note that in the class-path the jar files `com.ibm.mq.jar`, `com.ibm.mqjms.jar`, `fscontext.jar`, and `jms.jar` are located in some user-defined location, and are not supplied in the Interaction Server installation package. These files are installed on your host by the WebSphere MQ installation, server or client, and are typically located in the subdirectory `/opt/mqm` on Linux and `C:\Program Files\IBM\MQ` on Windows.

The connection to WebSphere MQ requires more than just the four jar files listed in the class-path, as these jar files depend on other jar files in the same directory. Therefore, the class-path should refer to them at the same location where they were placed by WebSphere MQ installation. Or, if they were copied, all files contained in the `./lib` directory should be copied to the new location.