

Qpid Troubleshooting Guide



Historic Information

This page is no longer applicable to current releases. Current documentation for is now kept on the website, see <http://qpId.apache.org/documentation.html> for more details.

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I'm getting a `java.lang.UnsupportedClassVersionError` when I try to start the broker. What does this mean ?

The QPID broker requires JDK 1.5 or later. If you're seeing this exception you don't have that version in your path. Set JAVA_HOME to the correct version and ensure the bin directory is on your path.

```
java.lang.UnsupportedClassVersionError: org/apache/qpid/server/Main (Unsupported major.minor version 49.0)
at java.lang.ClassLoader.defineClass(Ljava.lang.String:[B)Ljava.security.ProtectionDomain;)Ljava.lang.Class;(Unknown Source)
at java.security.SecureClassLoader.defineClass(Ljava.lang.String:[B)Ljava.security.CodeSource;)Ljava.lang.Class;(SecureClassLoader.java:123)
at java.net.URLClassLoader.defineClass(Ljava.lang.String;Lsun.misc.Resource;)Ljava.lang.Class;(URLClassLoader.java:251)
at java.net.URLClassLoader.access$100(Ljava.net.URLClassLoader;Ljava.lang.String;Lsun.misc.Resource;)Ljava.lang.Class;(URLClassLoader.java:55)
at java.net.URLClassLoader$1.run()Ljava.lang.Object;
(URLClassLoader.java:194)
at jrockit.vm.AccessController.do_privileged_exc(Ljava.security.PrivilegedExceptionAction;Ljava.security.AccessControlContext;)Ljava.lang.Object;
(Unknown Source)
at jrockit.vm.AccessController.doPrivileged(Ljava.security.PrivilegedExceptionAction;Ljava.security.AccessControlContext;)Ljava.lang.Object;(Unknown
Source)
at java.net.URLClassLoader.findClass(Ljava.lang.String;)Ljava.lang.Class;(URLClassLoader.java:187)
at java.lang.ClassLoader.loadClass(Ljava.lang.String;Z)Ljava.lang.Class;(Unknown Source)
at sun.misc.Launcher$AppClassLoader.loadClass(Ljava.lang.String;Z)Ljava.lang.Class;(Launcher.java:274)
at java.lang.ClassLoader.loadClass(Ljava.lang.String;)Ljava.lang.Class;
(Unknown Source)
at java.lang.ClassLoader.loadClassFromNative(II)Ljava.lang.Class;
(Unknown Source)
```

I'm having a problem binding to the required host:port at broker startup ?

This error probably indicates that another process is using the port you the broker is trying to listen on. If you haven't amended the default configuration this will be 5672. To check what process is using the port you can use 'netstat -an |grep 5672'.

To change the port your broker uses, either edit the config.xml you are using. You can specify an alternative config.xml from the one provided in /etc by using the -c flag i.e. `gpidd-server -c <my config file path>`.

You can also amend the port more simply using the -p option to qpid-server i.e. `qpid-server -p <my port number>`

I'm having problems with my classpath. How can I ensure that my classpath is ok ?

When you are running the broker the classpath is taken care of for you, via the manifest entries in the launch jars that the qpidd-server configuration file adds to the classpath.

However, if you are running your own client code and experiencing classpath errors you need to ensure that the client-launch.jar from the installed Qpid lib directory is on your classpath. The manifest for this jar includes the common-launch.jar, and thus all the code you need to run a client application.

I can't get the broker to start. How can I diagnose the problem ?

Firstly have a look at the broker log file - either on stdout or in `$QPID_WORK/log/qpid.log` or in `$HOME/log/qpid.log` if you haven't set `QPID_WORK`.

You should see the problem logged in here via `log4j` and a stack trace. Have a look at the other entries on this page for common problems. If the log file includes a line like:

"2006-10-13 09:58:14.672 INFO [main] server.Main (Main.java:343) - Qpid.AMQP listening on non-SSL address 0.0.0.0/0.0.0.0:5672"

... then you know the broker started up. If not, then it didn't.

When I try to send messages to a queue I'm getting a error as the queue does not exist. What can I do ?

In Qpid queues need a consumer before they really exist, unless you have used the virtualhosts.xml file to specify queues which should always be created at broker startup. If you don't want to use this config, then simply ensure that you consume first from queue before staring to publish to it. See the entry on our [Qpid Java FAQ](#) for more details of using the virtualhosts.xml route.