

# struts failed connection to remote mySQL

**Source:** <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2004-08/1526.html>

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Date: 13 Aug 2004 16:01:56 -0700

I have a struts app running on tomcat 5.0.25 running on my apple (OS X) and I am trying to connect to mySQL on a Redhat 9.0 with mySQL 3.23.54 on it. I created a "sqluser" on the linux server, belonging to the mysql group. I added the sqluser to the user table in the mysql database. I set the redhat security to "medium" and set the eth0 as a trusted device.

Here is my jdbc connection info:

```
<data-source key="musiccollection"
type="org.apache.commons.dbcp.BasicDataSource">
  <set-property property="description" value="Music Collection
Database"/>
  <set-property property="driverClassName"
value="com.mysql.jdbc.Driver"/>
  <set-property property="username" value="sqluser"/>
  <set-property property="password" value="sqluser"/>
  <set-property property="url"
value="jdbc:mysql://192.168.0.1:3306/musiccollection?autoReconnect=true"/>
  <set-property property="maxCount" value="8"/>
  <set-property property="minCount" value="2"/>
</data-source>
```

When I try to startup my struts app I get the following error:

```
INFO: Initializing, config='ApplicationResources', returnNull=true
Aug 13, 2004 4:49:18 PM org.apache.struts.action.ActionServlet
initModuleDataSources
```

```
SEVERE: Initializing application data source musiccollection
org.apache.commons.dbcp.SQLNestedException: Cannot create
PoolableConnectionFactory (Unable to connect to any hosts due to
exception: java.net.ConnectException: Operation timed out
```

```
** BEGIN NESTED EXCEPTION **
```

```
java.net.ConnectException
MESSAGE: Operation timed out
```

```
STACKTRACE:
```

## comp.lang.java.programmer: struts failed connection to remote mySQL

```
java.net.ConnectException: Operation timed out
at java.net.PlainSocketImpl.socketConnect(Native Method)
  at java.net.PlainSocketImpl.doConnect(PlainSocketImpl.java:305)
  at java.net.PlainSocketImpl.connectToAddress(PlainSocketImpl.java:171)
  at java.net.PlainSocketImpl.connect(PlainSocketImpl.java:158)
  at java.net.Socket.connect(Socket.java:452)
  at java.net.Socket.connect(Socket.java:402)
  at java.net.Socket.<init>(Socket.java:309)
  at java.net.Socket.<init>(Socket.java:124)
  at com.mysql.jdbc.StandardSocketFactory.connect(StandardSocketFactory.java:121)
  at com.mysql.jdbc.MysqlIO.<init>(MysqlIO.java:220)
  at com.mysql.jdbc.Connection.createNewIO(Connection.java:1768)
  at com.mysql.jdbc.Connection.<init>(Connection.java:440)
  at com.mysql.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:400)
  at
org.apache.commons.dbcp.DriverConnectionFactory.createConnection(DriverConnectionFactory.java:37)
  at
org.apache.commons.dbcp.PoolableConnectionFactory.makeObject(PoolableConnectionFactory.java:290)
  at org.apache.commons.dbcp.BasicDataSource.validateConnectionFactory(BasicDataSource.java:877)
  at org.apache.commons.dbcp.BasicDataSource.createDataSource(BasicDataSource.java:851)
  at org.apache.commons.dbcp.BasicDataSource.setLogWriter(BasicDataSource.java:598)
  at org.apache.struts.action.ActionServlet.initModuleDataSources(ActionServlet.java:1087)
  at org.apache.struts.action.ActionServlet.init(ActionServlet.java:472)
  at javax.servlet.GenericServlet.init(GenericServlet.java:211)
  at org.apache.catalina.core.StandardWrapper.loadServlet(StandardWrapper.java:1019)
  at org.apache.catalina.core.StandardWrapper.load(StandardWrapper.java:862)
  at org.apache.catalina.core.StandardContext.loadOnStartup(StandardContext.java:3991)
  at org.apache.catalina.core.StandardContext.start(StandardContext.java:4335)
  at org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:823)
  at org.apache.catalina.core.ContainerBase.addChild(ContainerBase.java:807)
  at org.apache.catalina.core.StandardHost.addChild(StandardHost.java:595)
  at org.apache.catalina.core.StandardHostDeployer.install(StandardHostDeployer.java:277)
  at org.apache.catalina.core.StandardHost.install(StandardHost.java:832)
  at org.apache.catalina.startup.HostConfig.deployDirectories(HostConfig.java:683)
  at org.apache.catalina.startup.HostConfig.deployApps(HostConfig.java:432)
  at org.apache.catalina.startup.HostConfig.start(HostConfig.java:964)
  at org.apache.catalina.startup.HostConfig.lifecycleEvent(HostConfig.java:349)
  at org.apache.catalina.util.LifecycleSupport.fireLifecycleEvent(LifecycleSupport.java:119)
  at org.apache.catalina.core.ContainerBase.start(ContainerBase.java:1091)
  at org.apache.catalina.core.StandardHost.start(StandardHost.java:789)
  at org.apache.catalina.core.ContainerBase.start(ContainerBase.java:1083)
  at org.apache.catalina.core.StandardEngine.start(StandardEngine.java:478)
  at org.apache.catalina.core.StandardService.start(StandardService.java:476)
  at org.apache.catalina.core.StandardServer.start(StandardServer.java:2298)
  at org.apache.catalina.startup.Catalina.start(Catalina.java:556)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
  at java.lang.reflect.Method.invoke(Method.java:324)
  at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:284)
  at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:422)
```

comp.lang.java.programmer: struts failed connection to remote mySQL

\*\* END NESTED EXCEPTION \*\*

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```
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```

Caused by: java.sql.SQLException: Unable to connect to any hosts due to exception: java.net.ConnectException: Operation timed out

\*\* BEGIN NESTED EXCEPTION \*\*

java.net.ConnectException  
MESSAGE: Operation timed out

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I am out of ideas, but I am no linux or db expert either. I would great appreciate any pointers or advice you can offer.

Thanks,  
David