

Metacat - Bug #1238

postgresql JDBC config problem in metacat

12/11/2003 04:10 PM - David Kaplan

Status:	Resolved	Start date:	12/11/2003
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	1.6	Spent time:	0.00 hour
Bugzilla-Id:	1238		

Description

I was looking at the configuration information for using postgresql in metacat and I think that the current JDBC setup in build.properties and build.xml needs modification for newer versions of postgresql. For newer versions, the JDBC driver (that comes in a standard package) looks like:

```
/usr/share/pgsql/pg73jdbc3.jar
```

where 73 refers to the version and the 3 relates to the java version (unfortunately, the 3 does not imply jre-1.3). The driver that comes with metacat will not work with these versions of postgresql. I recommend dropping this driver from the distribution as it could create more problems than solutions.

The easiest fix for this is to change (in build.xml):

```
<property name="jdbc" value="lib/jdbc7.1-1.2.jar" />
```

to

```
<property name="jdbc" value="${jdbc-base}"/>
```

and put in build.properties:

1. Location of postgresql JDBC driver
#jdbc-base=/usr/share/pgsql/pg73jdbc3.jar

This has the disadvantage of having jdbc-base mean slightly different things for the different backends.

I also noticed that in build.xml you have jdbc-base in some places and jdbc_base in others.

History

#1 - 12/11/2003 04:27 PM - Matt Jones

Interestingly, I have a current version of metacat running using the original jdbc.jar file that is checked into lib. I have tested insert, update, and delete operations through metacat using this jar without any problems. I have the following properties set in the build.properties:

1. Select the database to use for metadata storage
2. Valid values are oracle, postgresql, sqlserver
database=postgresql
1. The JDBC connection string used to connect to the database
jdbc-connect=jdbc:postgresql://localhost/metacat
1. The base directory for locating JDBC jar files (not needed for postgresql)
jdbc_base=./lib

It still might be a good idea to remove the jar file, but so far I have found it convenient. The changes you suggest change the meaning of the "jdbc-base" property, which for other databases represents the directory in which the jdbc

jar file(s) can be found. If we were to change it, I would want to use the properties consistently across the databases we support (oracle, postgres, mssql server).

What did you try that did not work for you? Are you sure you ran postmaster with -i and enabled tcp/ip access, and had the right jdbc connect string when testing it? What OS was it failing on? Thanks for the further info.

#2 - 12/11/2003 04:39 PM - David Kaplan

What version of postgresql are you running? Generally, the drivers are forward compatible as far as java is concerned - i.e. they will work with java-1.4 if they work with 1.1. But I don't think the older driver will work with newer versions of postgresql. It didn't appear to work for me, but then again I didn't fuss much. In any case, perhaps the solution would be a new parameter jdbc-jar that would only be used by postgresql.

#3 - 12/11/2003 04:49 PM - Matt Jones

I am running postgresql 7.3, the most recent version for redhat 9 as of two days ago. From what I can see the old jdbc jar file works fine with the new version of postgres, but I agree we should look into this. One of the initial reasons for checking it in was we were trying to make a standalone version of metacat that had everything needed for it to run. We might have other ways of accomplishing that now that we are closer to a binary installer capability.

#4 - 09/27/2005 04:54 PM - Matt Jones

Upgraded the driver to the Postgresql version 8 JDBC driver. Tested against postgres 7.4 and still seems to work. Marking as fixed for the 1.6 metacat release.

#5 - 03/27/2013 02:16 PM - Redmine Admin

Original Bugzilla ID was 1238