Hive - Troubleshoot

Fix: Configure Hive to use Postgres Metastore

Find hive-site.xml

Go to your Hive config dir (Homebrew):

`/opt/homebrew/Cellar/hive/4.1.0/libexec/conf`

If `hive-site.xml` doesn't exist, copy the template:

`cp hive-default.xml.template hive-site.xml`

1.

Edit hive-site.xml

Add (or update) these properties inside `<configuration>`:

```
<property>
  <name>javax.jdo.option.ConnectionURL</name>
  <value>jdbc:postgresql://localhost:5432/hive</value>
  <description>Postgres DB connection URL for Hive
metastore</description>
</property>

<property>
  <name>javax.jdo.option.ConnectionDriverName</name>
  <value>org.postgresql.Driver</value>
</property>

<property>
  <name>javax.jdo.option.ConnectionUserName</name>
  <value>hiveuser</value>
</property>

<property>
  <name>javax.jdo.option.ConnectionPassword</name>
  <value>hivepassword</value>
</property>
```

2. Replace:

- ○ `hiveuser` / `hivepassword` → your Postgres username/password
- ○ `hive` (in the JDBC URL) → the Postgres database you created for Hive

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Install Postgres JDBC driver

Hive needs the driver in its `lib` folder. If not already there, download from Postgres JDBC or via Homebrew, then copy it:

```
cp /opt/homebrew/Cellar/libpq/*/share/java/postgresql.jar
$HIVE_HOME/lib/
```

3. (adjust path if needed — you may have it under `/usr/local/share/java`).

Retry schema init

Now run:

```
schematool -dbType postgres -initSchema
```

This time you should see:

```
Metastore connection URL: jdbc:postgresql://localhost:5432/hive
Metastore schema initialization to 4.1.0 complete
schemaTool completed
```

4.

That will fix the Derby fallback problem.

Without `hive-site.xml`, Hive always defaults to **Derby**.