MySQL Data Store for Oozie

Follow these steps to configure Oozie to use a MySQL database as the Oozie data store (instead of the default Apache Derby database). The MySQL database can also be used to support high availability (HA) (HighAvailabilityforOozie.html).

1. Using the `mysql` command-line tool, create a MySQL database, user, and password for the Oozie user. For example:

```
mysql> create database oozie;
mysql> grant all privileges on oozie.* to '<oozie-user>'@'%' identified by '<oozie-passwd>';
```

2. Stop the Oozie server:

```
maprcli node services -name oozie -action stop -nodes <node-list>
```

3. Set the following `JPAService` properties in the `oozie-site.xml` file: **Note**: In the JDBC URL property, use the correct hostname (where MySQL is running).

```
<property>
    <name>oozie.service.JPAService.jdbc.driver</name>
    <value>com.mysql.jdbc.Driver</value>
</property>
<property>
    <name>oozie.service.JPAService.jdbc.url</name>
    <value>jdbc:mysql://localhost:3306/oozie</value>
    </property>
<property>
    <name>oozie.service.JPAService.jdbc.username</name>
    <value>oozie</value>
</property>
<property>
    <name>oozie.service.JPAService.jdbc.password</name>
    <value>oozie</value>
</property>
```

4. Copy the MySQL JDBC driver (`mysql-connector-java-<version>-bin.jar`) to the following directory:

```
/opt/mapr/oozie/oozie-<oozieversion>/libext
```

5. Execute the `oozie-setup.sh` script:

```
/opt/mapr/oozie/oozie-<version>/bin/oozie-setup.sh -hadoop <version> /opt/mapr/hadoop/hadoop-<version>
```

6. Start the Oozie server:

```
maprcli node services -name oozie -action start -nodes <node-list>
```

7. Check that MySQL is now in use by looking at the contents of the `oozie.log` file. For example:

```
cat /opt/mapr/oozie/oozie-<version>/logs/oozie.log |grep mysql
2015-07-24 06:10:07,023  INFO JPAService:541 - SERVER[local.novalocal] USER[-]
GROUP[-] TOKEN[-] APP[-] JOB[-] ACTION[-] JPA configuration:
DriverClassName=com.mysql.jdbc.Driver,Url=jdbc:mysql://localhost:3306/oozie,Username=oozie,...
```