

Oracle Cartridge EWS 2.0 Datasource Configuration Guide

PREPARED FOR - FRIT

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1. Synopsis

The purpose of this document is to present the changes required to the Red Hat JBoss Enterprise Web Server (EWS) 2.0 OpenShift cartridge to add a datasource that can connect to the newly Provisioned Oracle DB Tenant provided via the Oracle Cartridge.

2. Install Driver on to Node Server

It is assumed that you already have the correct ojdbc6.jar driver file that provides 'javax.sql.DataSource' retrieved from either your database team, or the Oracle website.

First place the JDBC driver jar (ojdbc6.jar) in to the same directory where OSE places drivers by default, '/usr/share/java'

```
mv ojdbc6.jar /usr/share/java/
```

Make sure all users can read the jar file

```
chmod 644 /usr/share/java/ojdbc6.jar
```

Make a logical symbolic link to the driver file in directory used as the EWS lib directory

```
ls -s /usr/share/java/ojdbc6.jar /usr/share/java/tomcat7/ojdbc6.jar
```

3. Changes to Configuration

To allow the application to use the datasource, add the following section to the context.xml file template proceeding the MySQLDS resource

```
<Resource name="jdbc/OracleDS"

url="jdbc:oracle:thin:@//${OPENSIFT_ORACLE_DB_REMOTE_HOST}:${OPENSIFT_ORACLE_DB_REMOTE_PORT}/${OPENSIFT_ORACLE_DB_TENANT_ID}"
    driverClassName="oracle.jdbc.OracleDriver"
    username="${OPENSIFT_ORACLE_DB_USERNAME}"
    password="${OPENSIFT_ORACLE_DB_PASSWORD}"
    auth="Container"
    type="javax.sql.DataSource"
    maxActive="20"
    maxIdle="5"
    maxWait="10000"
/>
```

The environment variables defined in the resource will be replaced at runtime of the gear by values set by the Oracle Cartridge on gear creation.

4. Reference Information

- [OpenShift Oracle Cartridge](#)
- [How to configure datasource settings in EAP 6](#)