

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

**ln -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:@//${OPENSHIFT\_ORACLE\_DB\_REMOTE\_HOST}:${OPENSHIFT\_ORACLE\_DB\_REMOTE\_PORT}/${OPENSHIFT\_ORACLE\_DB\_TENANT\_ID}"**

**driverClassName="oracle.jdbc.OracleDriver"**

**username="${OPENSHIFT\_ORACLE\_DB\_USERNAME}"**

**password="${OPENSHIFT\_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](https://github.com/rhtconsulting/ose2-oracle-frb-cart)

• [How to configure datasource settings in EAP 6](https://access.redhat.com/solutions/93693)