

Configuración de la conexión a la Oracle DB

CONEXIÓN A LA DB

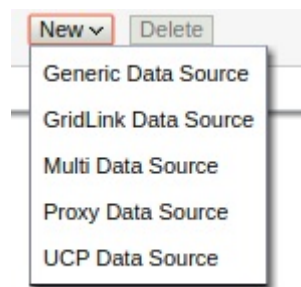
Para poder configurar la conexión a la BBDD primero se deberá obtener la IP del contenedor de la Oracle DB empleando el comando `docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}'` `real-oracle-db`.

```
> docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}'
172.17.0.4
```

Esta será la IP que haya que configurar en WL para conectar a la BBDD.

CONEXIÓN DESDE WL

Para poder configurar la conexión a la BBDD deberemos ir `base_domain >> Services >> Data Sources` y pulsar sobre el botón de New:



Y seleccionaremos la opción de Generic Data Source y en la siguiente vista pondremos la siguiente información del JDBC Data Source:

JDBC Data Source Properties

The following properties will be used to identify your new JDBC data source.

* Indicates required fields

What would you like to name your new JDBC data source?



* Name:

JDBC Oracle DB

What scope do you want to create your data source in ?

Scope:

Global ▼

What JNDI name would you like to assign to your new JDBC Data Source?



JNDI Name:

jdbc/sysdba

What database type would you like to select?

Database Type:

Oracle ▼

Como se ve en la imagen, rellenaremos estos dos campos:

- Name: JDBC Oracle DB
- JNDI Name: jdbc/sysdba

Y pulsaremos sobre el botón de Next. En la siguiente vista pondremos la información que se muestra a continuación:

Database Type:	Oracle
What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server	
Database Driver:	*Oracle's Driver (Thin XA) for Service connections; Versions:Any ▼
<input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/>	

Seleccionaremos del desplegable:

- Database Driver: *Oracle's Driver (Thin XA) for Application Continuity; Versions:Any

Pulsaremos sobre el botón de Next. En la siguiente vista pondremos la información, teniendo en cuenta que *no nos vamos a conectar al localhost* (que sería la máquina del contenedor) sino la *dirección IP que hemos extraído al comienzo* de esta sección:

Connection Properties
Define Connection Properties.

What is the name of the database you would like to connect to?

Database Name:

What is the name or IP address of the database server?

Host Name:

What is the port on the database server used to connect to the database?

Port:

What database account user name do you want to use to create database connections?

Database User Name:

What is the database account password to use to create database connections?

Password:

Confirm Password:

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

La información a rellenar será:

- Database Name: ORCLCDB.localdomain
- Host Name: la dirección IP del contenedor *no localhost*
- Port: 1521
- Database User Name: dummy
- Password: dummy
- Confirm Password: dummy

Pulsaremos sobre el botón de Next. En la siguiente vista deberemos validar los datos que hemos ido rellenando:

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?

(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name:

oracle.jdbc.xa.client.OracleXA

What is the URL of the database to connect to? The format of the URL varies by JDBC driver.

URL:

jdbc:oracle:thin:@//localhost:1

What database account user name do you want to use to create database connections?

Database User Name:

dummy

What is the database account password to use to create database connections?

(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

Password:

Confirm Password:

What are the properties to pass to the JDBC driver when creating database connections?

Properties:

user=dummy

The set of driver properties whose values are derived at runtime from the named system property.

System Properties:

What table name or SQL statement would you like to use to test database connections?

Test Table Name:

SQL ISVALID

La información deberá ser la siguiente:

- Driver Class Name: oracle.jdbc.xa.client.OracleXADataSource
- URL: jdbc:oracle:thin:@//172.17.0.3:1521/ORCLCDB.localdomain

- Database User Name: dummy
- Password: dummy
- Confirm Password: dummy

A continuación podremos validar la conexión a la BBDD haciendo click sobre el botón Test connection si ha sido todo valido pulsaremos sobre Next sino habrá que repetir los pasos anteriores.

Select Targets

You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later ti

Servers
<input checked="" type="checkbox"/> AdminServer

Y finalizaremos el proceso de configuración haciendo en clic sobre el botón Finish.