

DOCKER ORACLE SQL INSTALLATION

1. Download and install Docker
<https://www.docker.com/products/docker-desktop>
2. Sign up and then Sing in to Docker HUB (to be able to download docker images)
<https://hub.docker.com/>

In your Terminal or CMD (You can also use GUI, but this is better)

3. Log into Docker.
\$ docker login
4. Download image (apprx 4GB)
\$ docker pull store/oracle/database-enterprise:12.2.0.1
5. Run image
\$ docker run -d -p 1521:1521 --name oracle store/oracle/database-enterprise:12.2.0.1
6. Connect to container
\$ docker exec -it oracle bash -c "source /home/oracle/.bashrc; sqlplus /nolog"
7. Copy below script to open SQL shell. Enter the password as 'Oradoc_db1'
SQL> connect sys as sysdba;
SQL> alter session set "_ORACLE_SCRIPT"=true;
SQL> create user YOUR_NAME identified by YOUR_PASSWORD;
SQL> GRANT ALL PRIVILEGES TO YOUR_NAME;

(Don't forget ; in the end of the commands 😊)

In SQL Developer:

Username: **YOUR_NAME**
Password: **YOUR_PASSWORD**
Hostname: **localhost** Port: **1521**
Service name: **ORCLCDB.localdomain**

In JDBC:

```
Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521/ORCLCDB.localdomain", "YOUR_NAME", "YOUR_PASSWORD");
```

In Hibernate (inside the CFG)

```
<property name="hibernate.dialect">org.hibernate.dialect.Oracle12cDialect</property>  
<property name="hibernate.connection.username"> YOUR_NAME</property>  
<property name="hibernate.connection.password"> YOUR_PASSWORD </property>  
<property name="hibernate.connection.url">jdbc:oracle:thin:@localhost:1521/ORCLCDB.localdomain</property>
```

NOTE: In this docker image there is no "hr" user. But I think this is not important for us.