# **ENVIRONMENT SETUP**

## SOFTWARE REQUIREMENT

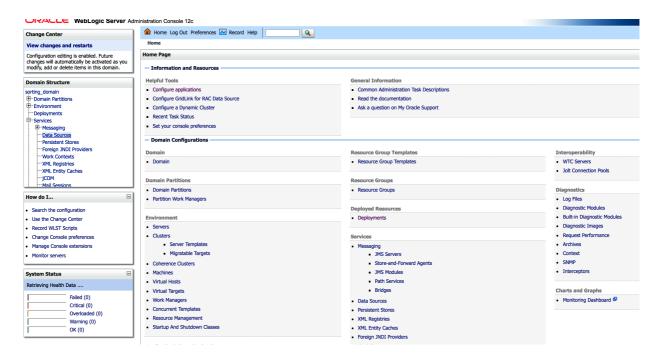
Install the below listed softwares,

- · Apache Maven 3.5
- · Weblogic 12c
- MySQL
- Google Chrome

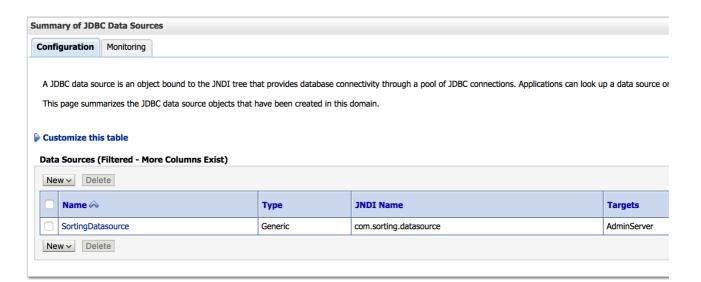
### DATASOURCE SETUP

### Following Steps shows about creating datasource

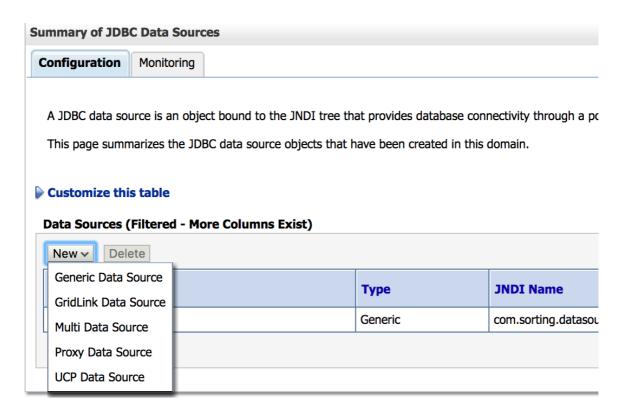
1. Click Datasource link from the left panel.



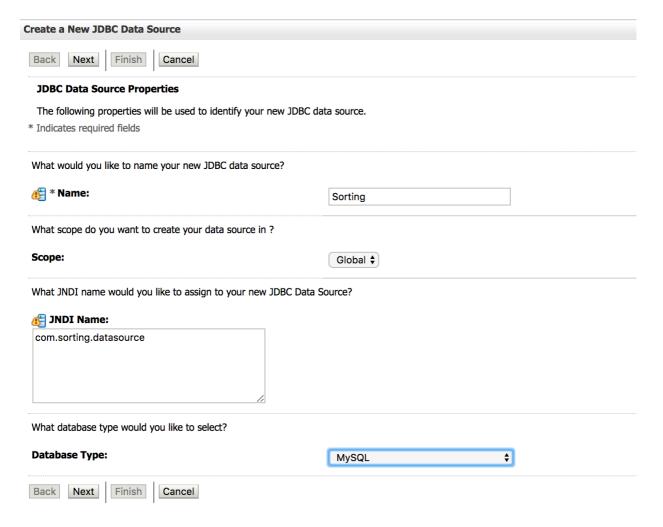
2. Click New button.



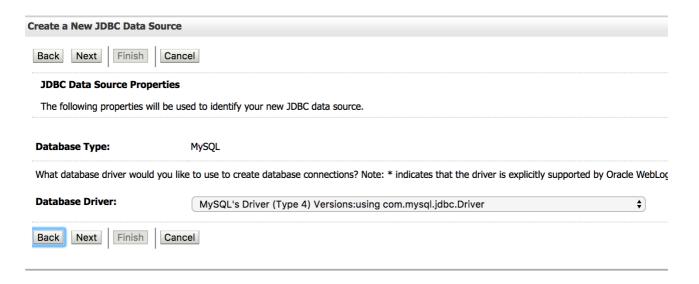
3. Select Generic Data Source Option.



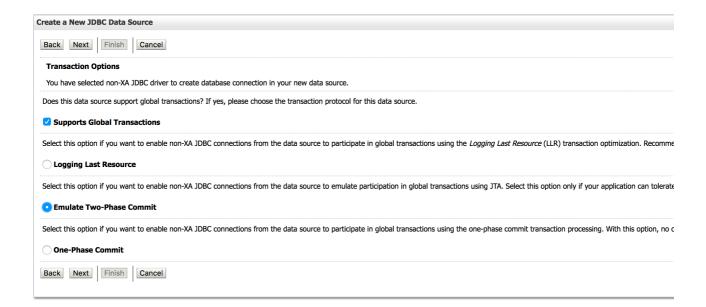
4. Enter the following details in the fields, **Name**: Sorting, **Scope**: Global, **JNDI Name**: com.sorting.datasource, **Database Type**: MySql



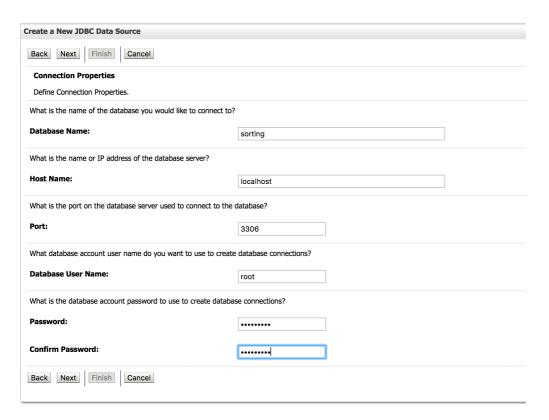
#### 5. Select the **com.mysql.jdbc.Driver** from drop down option.



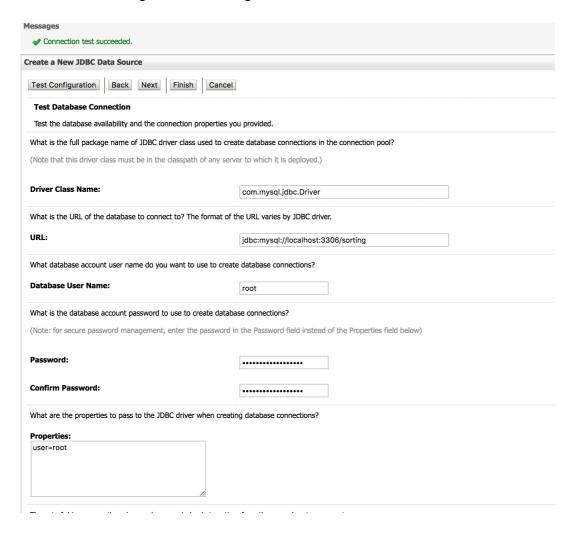
#### 6. Select the Supports Global Transactions and Emulate Two-Phase Commit



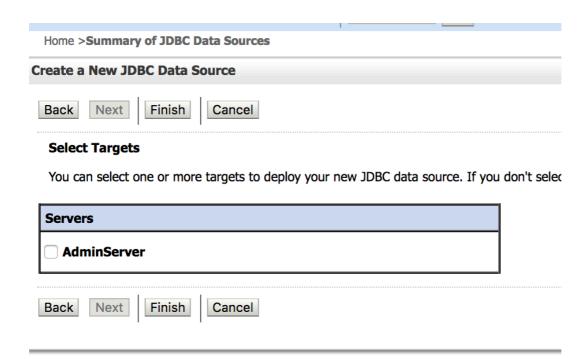
7. Enter the Database Name : sorting , Host Name: localhost, Port : 3306, Database User Name: root, Password: << >> and click Next.



8. Click Test Configuration, Message will show as Connection test succeeded.



9.select Click the Admin Server option and click Finish.



### **BUILDING THE APPLICATION**

 Open the command prompt and go to project extracted location, and enter the below mentioned command

#### Maven package

Or

#### Maven clean package

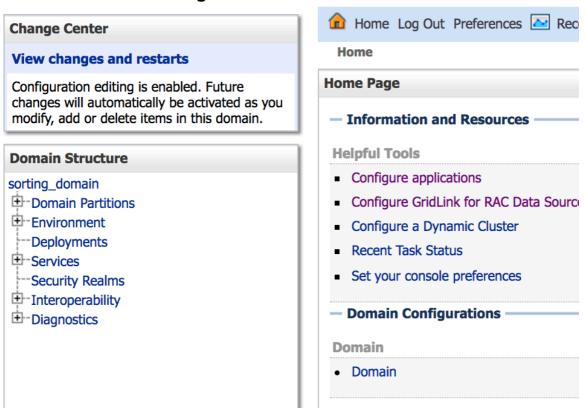
Build successful will be shown below in the command prompt.

```
[INFO] WEB-INF/web.xml already added, skipping
[INFO] -------
[INFO] BUILD SUCCESS
[INFO] Total time: 3.600 s
[INFO] Finished at: 2017-08-19T23:43:42+05:30
[INFO] Final Memory: 19M/215M
```

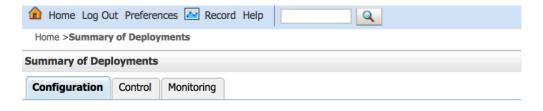
### DEPLOYING THE APPLICATION

1. Open the browser and the weblogic console url and click the Deployment link in the left panel,

### ORACLE WebLogic Server Administration Console 12c



2. Click the Install button the Deployment sections,



This page displays the list of Java EE applications and standalone application modules installed to this dom You can update (redeploy) or delete installed applications and modules from the domain by selecting the c To install a new application or module for deployment to targets in this domain, click **Install**.

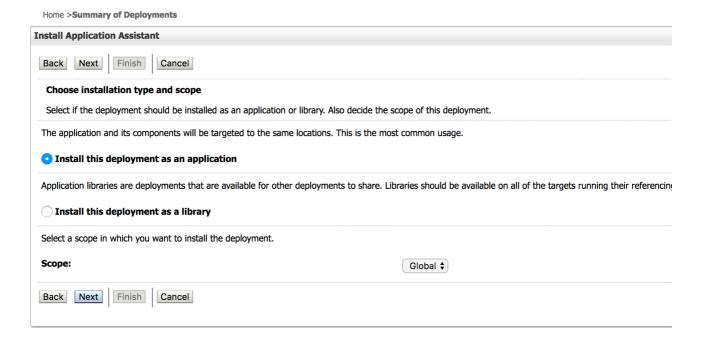
#### Customize this table



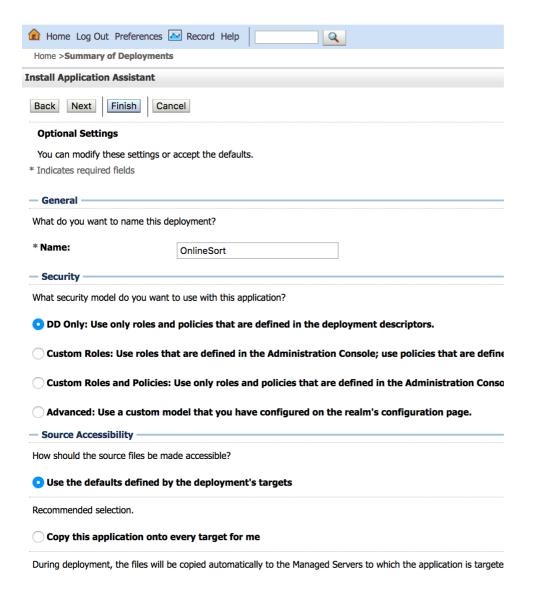
3. Enter the path as <<pre>project location >>\target\ and select the OnlineSort.war file as shown below and click next,



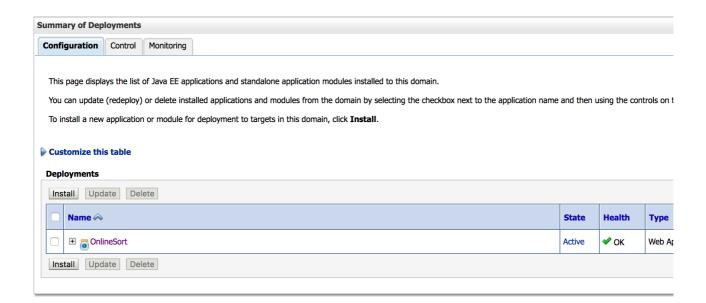
4. Select the Intall this deployment as an application, and click next,



#### 5. Click finish



6. Now the application is installed successfully (State: Active and health : ok)



# DATABASE SETUP

Execute the below sql script after logged in the MySql server,

```
CREATE DATABASE sorting;

CREATE TABLE SortingResults
(
    sortId mediumint not null AUTO_INCREMENT,
        guid tinytext not null,
        unSortedList mediumtext not null,
        PRIMARY KEY (sortId)
);
```