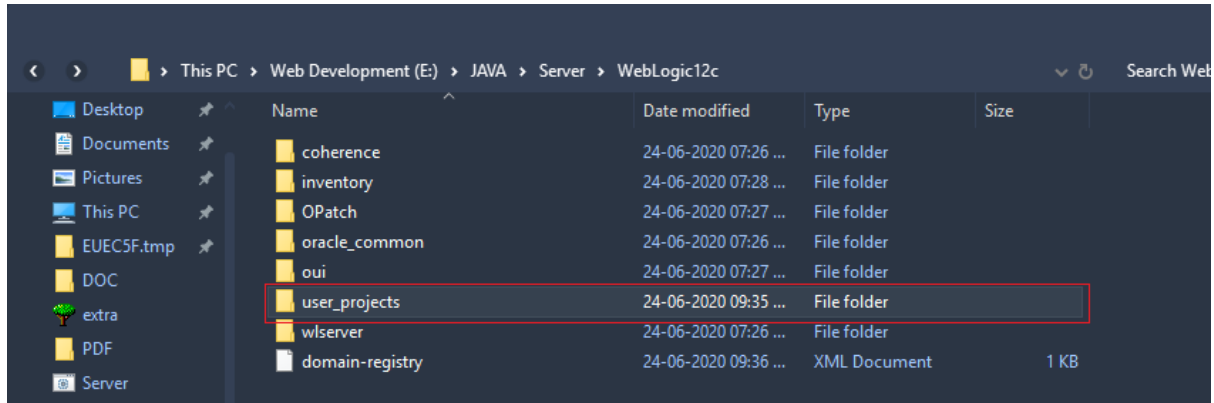
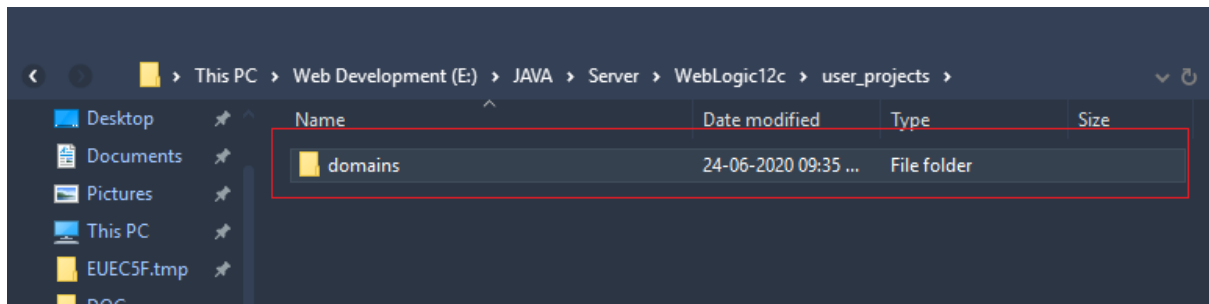


Oracle Database Connection Pool in WebLogic: -

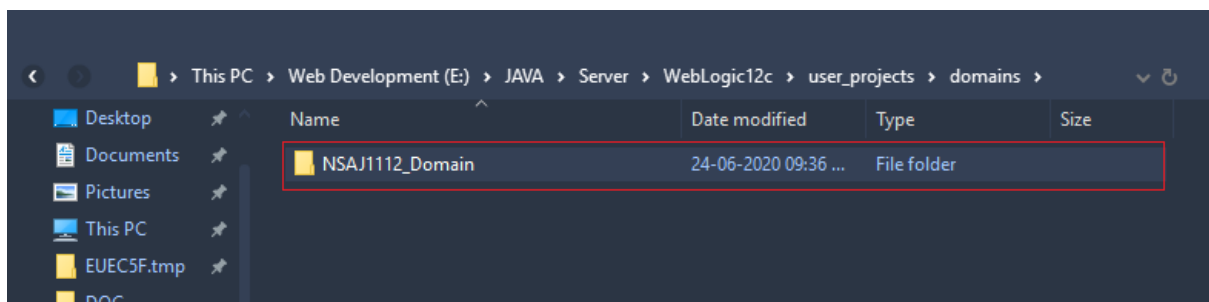
Step #1: Go to the installation directory of WebLogic click on user_projects folder



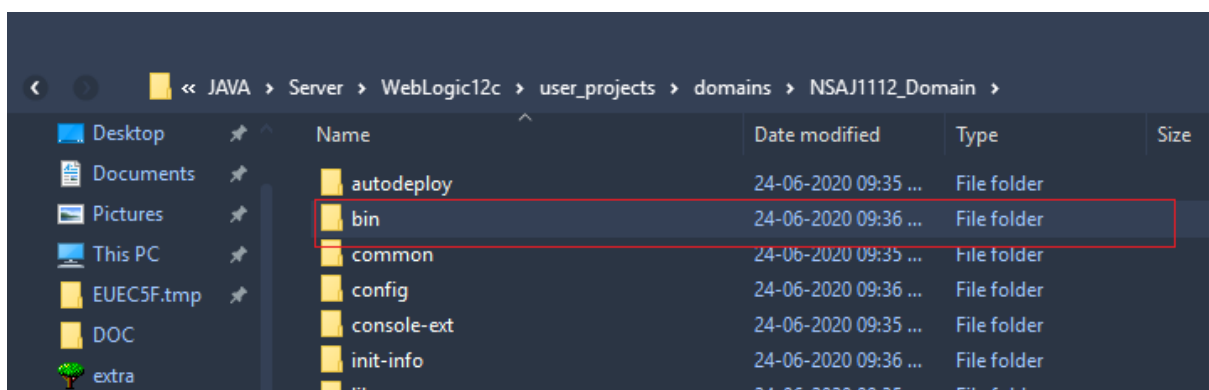
Step #2: Click on domains folder



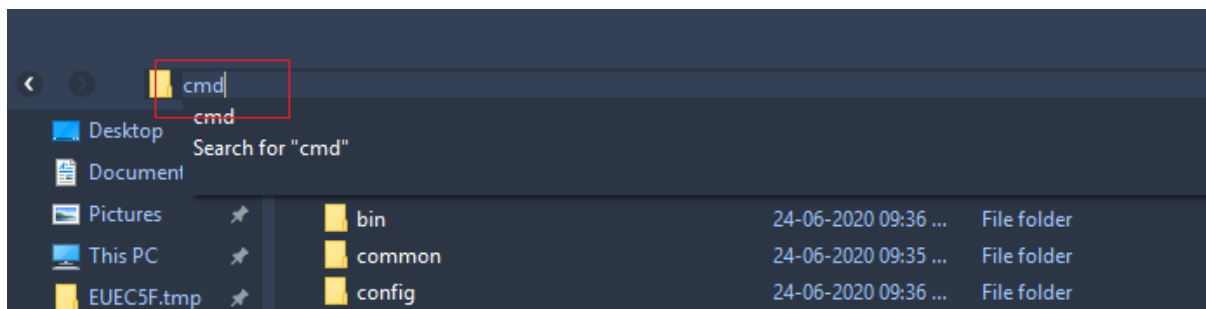
Step #3: Click on Your domain [NSAJ1112_Domain]



Step #4: Click on bin folder



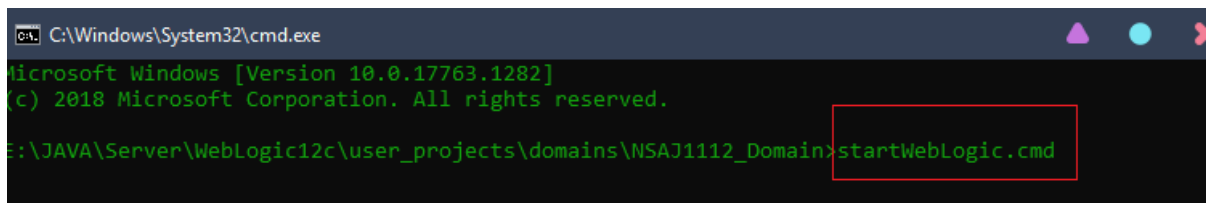
Step #5: Open Command Prompt by typing cmd at address bar



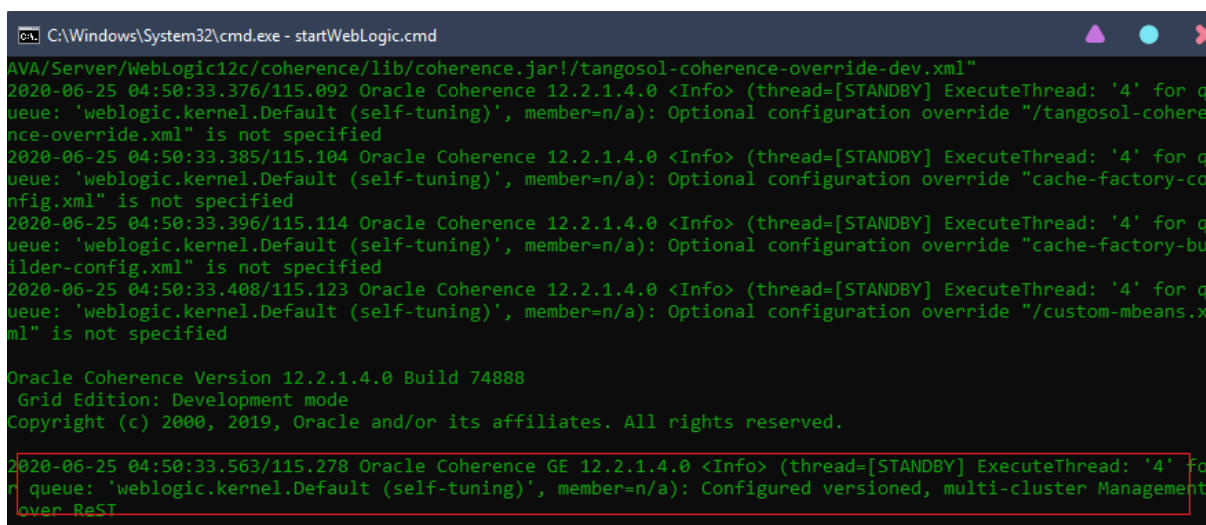
Step #6. Type the below command, and hit enter

E:\JAVA\Serve\WebLogic12c\user_project\domains\NSAJ1112_Domain>

startWebLogic.cmd

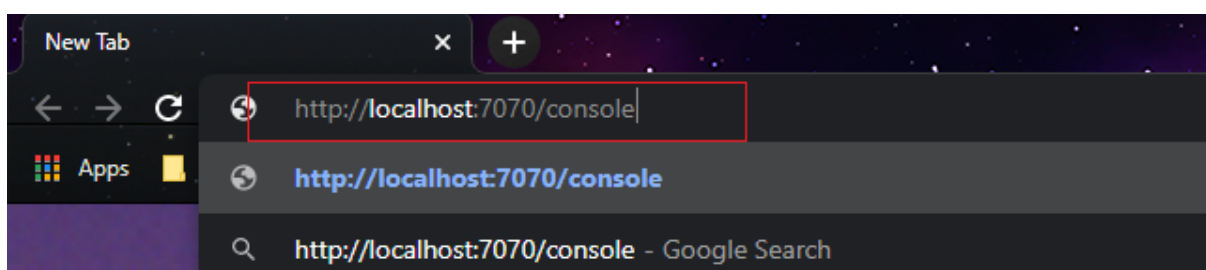


Step #7: It take some time, wait until getting the highlighted message

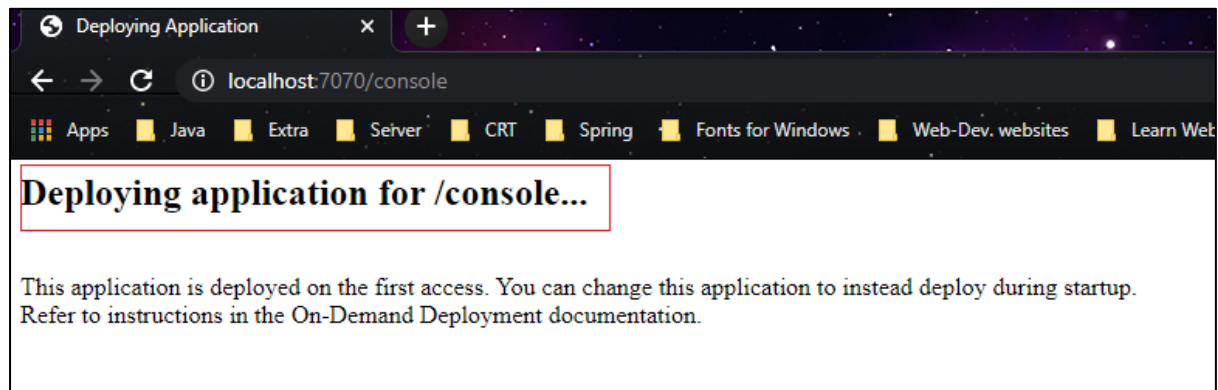


Step #8: Open browser and type the URL at the Address bar

<http://localhost:7070/console>



Step #9: You will get the Deploying application for/console window wait for some minute



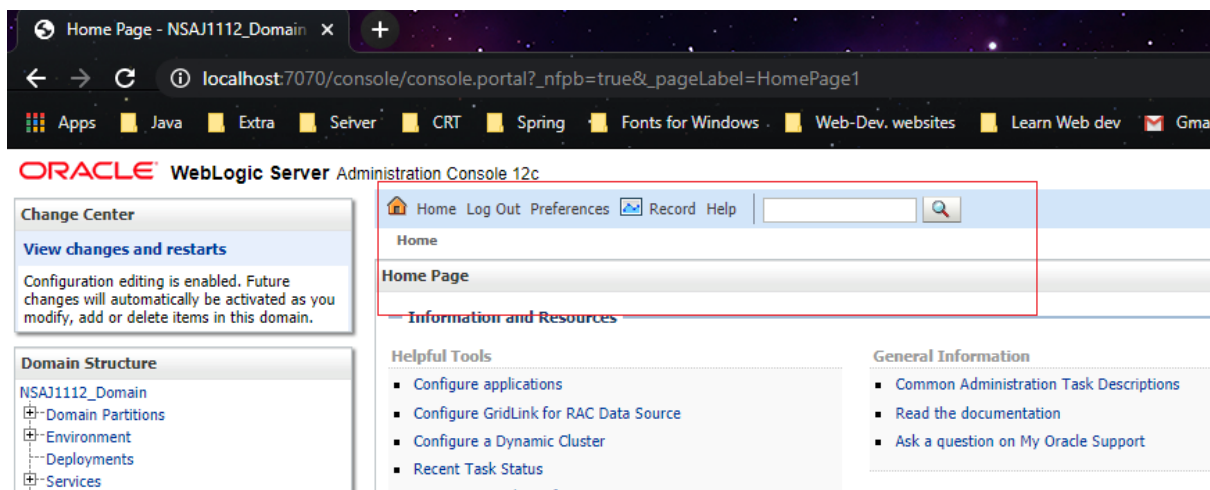
Step #10: After you will ORACLE WebLogic Server Administration Console 12c window, file the Username, password and click on Login

Username: javaboss

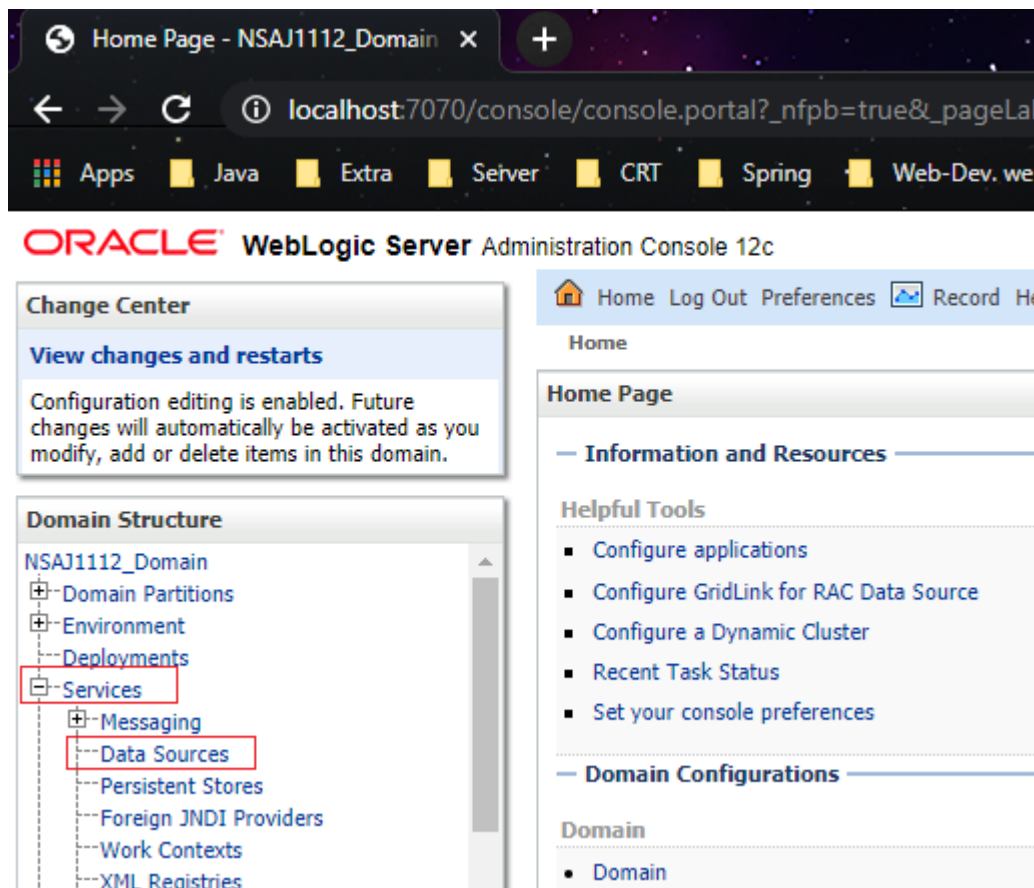
Password: javaboss1



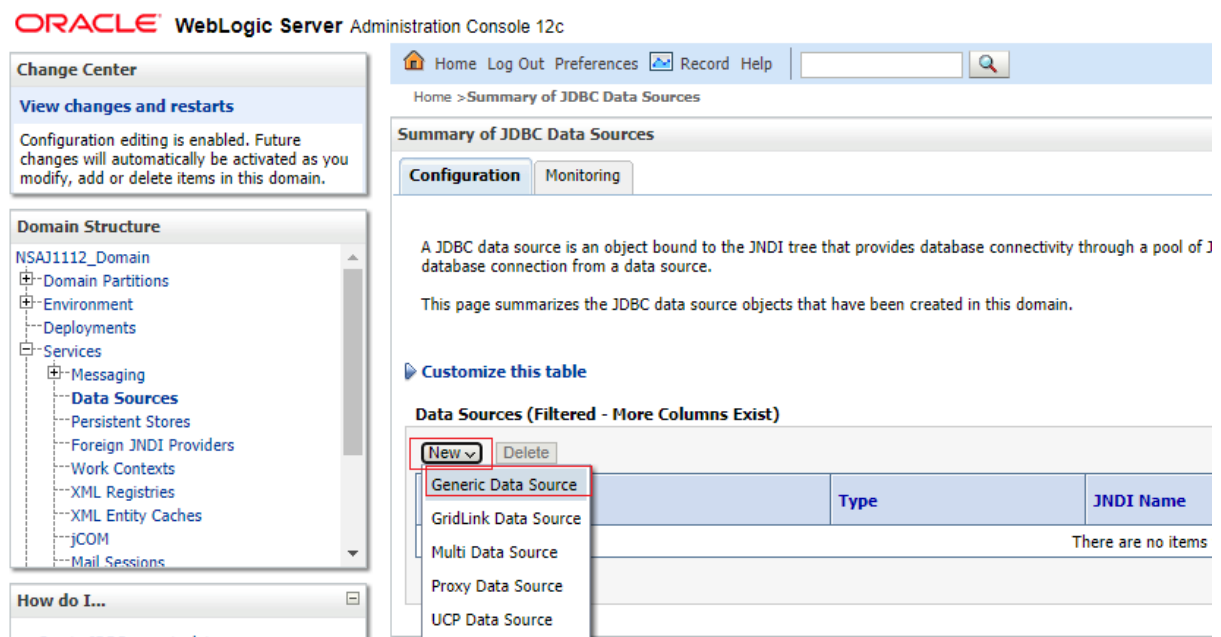
Step #11: Then you will get the home window, you server is started successfully



Step #12: Expand Services click on Data Sources



Step #13: Click on new, Choose Generic Data Source



Step #14: Fill the Logical Name, JNDI Name, and make sure that Scope : Global, Database Type : Oracle because we are creating Oracle Data source, then click on Next

Create a New JDBC Data Source

Back

Next

Finish

Cancel

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:

datasource1

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:

DsJndi

What database type would you like to select?

Database Type:

Oracle

Back

Next

Finish

Cancel

Step #15: Choose “Oracle’s Driver (Thin) for Service connections; version : Any” as Database Driver, then click on Next.

Create a New JDBC Data Source

Back

Next

Finish

Cancel

JDBC Data Source Properties

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

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) for Service connections; Versions:Any

Back

Next

Finish

Cancel

Step #16: Click on Next

BackNextFinishCancel

Transaction Options

You have selected non-XA JDBC driver to create database connection in your new data source.

Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.

☒ Supports Global Transactions

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the *Logging Last Resource* (LLR) transaction optimization. Recommended in place of Emulate Two-Phase Commit.

☐ Logging Last Resource

Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can tolerate heuristic conditions.

☐ Emulate Two-Phase Commit

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option, no other resources can participate in the global transaction.

☒ One-Phase Commit

BackNextFinishCancel

Step #17: Fill all the Details like Database Name, Host Name, Port, Database User Name, Password, Confirm Password, then click on Next

BackNextFinishCancel

Connection Properties

Define Connection Properties.

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

Database Name:xe

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

Host Name:localhost

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

Port:1521

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

Database User Name:scott

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

Password:.....

Confirm Password:.....

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

BackNextFinishCancel

Step #18: Click on Test Configuration, don't panic these are automatic changes.

Create a New JDBC Data Source

Test Configuration | Back | Next | Finish | Cancel

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:

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

URL:

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

Password:

Confirm Password:

Step #19: Then you will get a Message like "Connection test succeeded" then click on Next

Messages

✓ Connection test succeeded.

Create a New JDBC Data Source

Test Configuration | Back | **Next** | Finish | Cancel

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:

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

URL:

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

Password:

Confirm Password:

Step #20: Checked the [✓] AdminServer, then click on Finish.

Create a New JDBC Data Source

Back Next **Finish** Cancel

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

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

Back Next **Finish** Cancel

Step #21: Now you can see that the Data source is created. If you want to change configuration lunch the Data source, by click on the Data source

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

[Customize this table](#)

Data Sources (Filtered - More Columns Exist)

New Delete Showing 1

Name	Type	JNDI Name	Targets
DataSource-1	Generic	DsJndi	AdminServer

New Delete Showing 1

Step #22: Click on the Connection Pool, and change according then click on Save.

Settings for DataSource-1

Configuration Targets Monitoring Control Security Notes

General **Connection Pool** Oracle ONS Transaction Diagnostics Identity Options

Save

The connection pool within a JDBC data source contains a group of JDBC connections that applications reserve, use, and then when the connection pool is registered, usually when starting up WebLogic Server or when deploying the data source to a new

Use this page to define the configuration for this data source's connection pool.

URL: jdbc:oracle:thin:@//localhost:1521/xe

Driver Class Name: oracle.jdbc.OracleDriver

Properties: user=scott