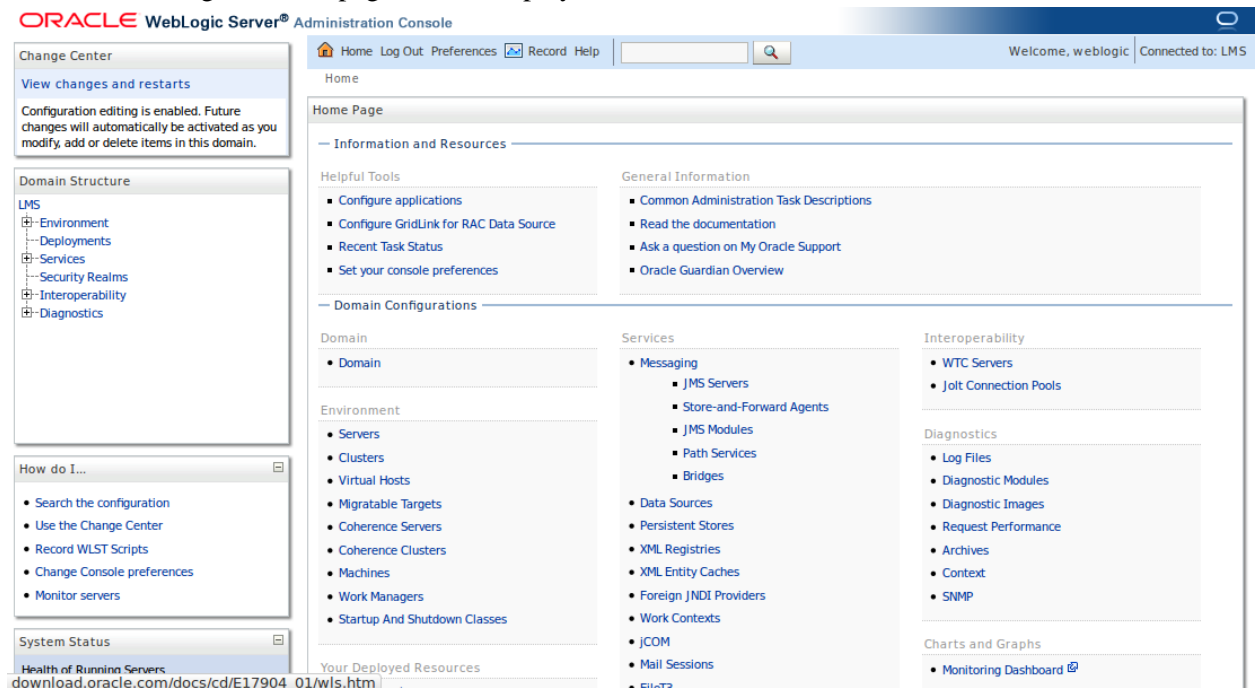


Login into Weblogic by issuing the correct credentials, i.e. the username and password.

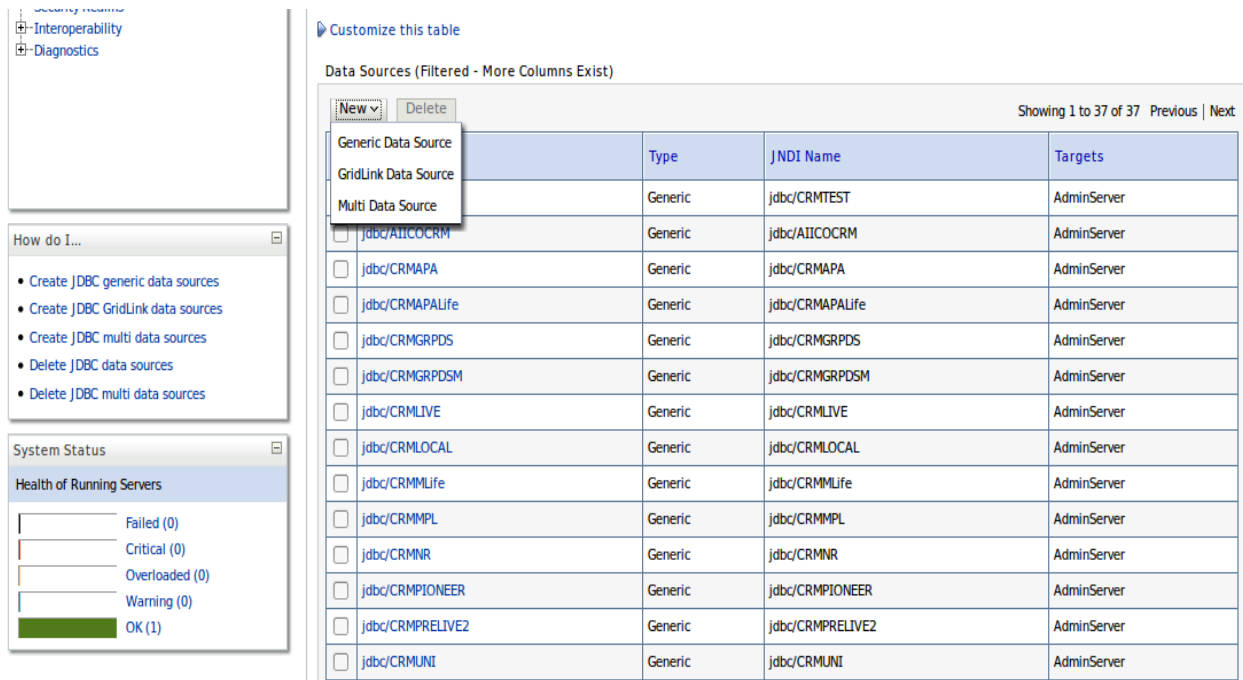


1. On successful login, a homepage will be displayed as shown below ;



2. On the top right corner of your browser screen, expand the **Services** checkbox under **Domain Structure** and click on **Data Sources**.

Click on **New** and select **Generic Data Source**.



Customize this table

Data Sources (Filtered - More Columns Exist)

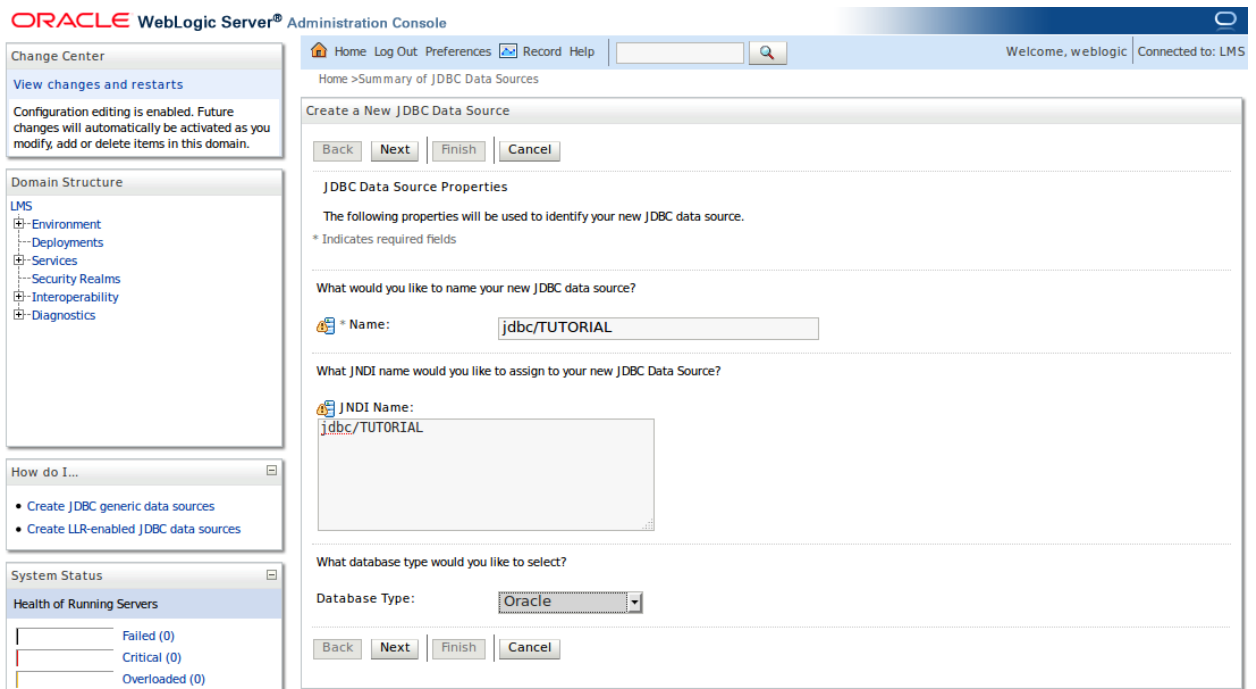
New Delete Showing 1 to 37 of 37 Previous | Next

	Name	Type	JNDI Name	Targets
<input type="checkbox"/>	Generic Data Source			
<input type="checkbox"/>	GridLink Data Source			
<input type="checkbox"/>	Multi Data Source			
<input type="checkbox"/>	jdbc/AIICOCRM	Generic	jdbc/AIICOCRM	AdminServer
<input type="checkbox"/>	jdbc/CRMAPA	Generic	jdbc/CRMAPA	AdminServer
<input type="checkbox"/>	jdbc/CRMAPALife	Generic	jdbc/CRMAPALife	AdminServer
<input type="checkbox"/>	jdbc/CRMGRPDS	Generic	jdbc/CRMGRPDS	AdminServer
<input type="checkbox"/>	jdbc/CRMGRPDSM	Generic	jdbc/CRMGRPDSM	AdminServer
<input type="checkbox"/>	jdbc/CRMLIVE	Generic	jdbc/CRMLIVE	AdminServer
<input type="checkbox"/>	jdbc/CRMLOCAL	Generic	jdbc/CRMLOCAL	AdminServer
<input type="checkbox"/>	jdbc/CRMMLife	Generic	jdbc/CRMMLife	AdminServer
<input type="checkbox"/>	jdbc/CRMMPPL	Generic	jdbc/CRMMPPL	AdminServer
<input type="checkbox"/>	jdbc/CRMNR	Generic	jdbc/CRMNR	AdminServer
<input type="checkbox"/>	jdbc/CRMPIONEER	Generic	jdbc/CRMPIONEER	AdminServer
<input type="checkbox"/>	jdbc/CRMPRELIVE2	Generic	jdbc/CRMPRELIVE2	AdminServer
<input type="checkbox"/>	jdbc/CRMUNI	Generic	jdbc/CRMUNI	AdminServer

How do I...
• Create JDBC generic data sources
• Create JDBC GridLink data sources
• Create JDBC multi data sources
• Delete JDBC data sources
• Delete JDBC multi data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

3. Name your JDBC Data Source accordingly as shown below. Select the database type and click **Next**



ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: LMS

Home > Summary of JDBC Data Sources

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: jdbc/TUTORIAL

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

JNDI Name: jdbc/TUTORIAL

What database type would you like to select?

Database Type: Oracle

Back Next Finish Cancel

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
LMS
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics

How do I...
• Create JDBC generic data sources
• Create LLR-enabled JDBC data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)

4. Select the database driver as **Oracle's driver (thin XA)** for instance connections and click **Next**

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: LMS

Home > Summary of JDBC Data Sources

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 Oracle

Type:

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 instance connections; Versions:9.0.1 and later

Back Next Finish Cancel

5. Select the transaction options as below and click **Next**

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: LMS

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

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

Back Next Finish Cancel

6. Specify the **connection properties** and click **Next**

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

LMS

- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...

- Create JDBC generic data sources
- Create LLR-enabled JDBC data sources

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (1)

Home >Summary of JDBC Data Sources

Create a New JDBC Data Source

BackNextFinishCancel

Connection Properties

Define Connection Properties.

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

Database Name:express

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

Host Name:10.176.18.9

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:TQ_LMS

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

Password:●●●●●●

Confirm Password:●●●●●●

BackNextFinishCancel

7. **Test** the database configuration and click **Finish**

Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: LMS

Home > Summary of JDBC Data Sources

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: oracle.jdbc.OracleDriver

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

URL: jdbc:oracle:thin:@10.176.18

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

Database User Name: TQ_LMS

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)

8. **Select** the created Data Source by clicking on it.

<input type="checkbox"/>	jdbc/LMSSTA	Generic	jdbc/LMSSTA	AdminServer
<input type="checkbox"/>	jdbc/LMSSTAG	Generic	jdbc/LMSSTAG	AdminServer
<input type="checkbox"/>	jdbc/LMSTEST	Generic	jdbc/LMSTEST	AdminServer
<input type="checkbox"/>	jdbc/LMSUNI	Generic	jdbc/LMSUNI	AdminServer
<input type="checkbox"/>	jdbc/LMSUNIG	Generic	jdbc/LMSUNIG	AdminServer
<input type="checkbox"/>	jdbc/TUTORIAL	Generic	jdbc/TUTORIAL	
<input type="checkbox"/>	LMSSITE	Generic	jdbc/LMSSITE	AdminServer

New Delete

Showing 1 to 38 of 38 Previous Next

9. **Select Connection Pool** and perform data source tuning. Set **the initial capacity to 10** and the **maximum capacity to 1000** as illustrated below. Also set the **inactive connection timeout to 30** seconds. Click Save

Home > Summary of JDBC Data Sources > jdbc/ TUTORIAL

Settings for jdbc/ TUTORIAL

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 return to the pool. The connection pool and the connections within it are created when the connection pool is registered, usually when starting up WebLogic Server or when deploying the data source to a new target.

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

Initial Capacity: 10

Maximum Capacity: 1000

Capacity Increment: 1

Statement Cache Type: LRU

Statement Cache Size: 10

Advanced

☐ Test Connections On Reserve

Test Frequency: 120

Test Table Name:

SQL SELECT 1 FROM DUAL

Seconds to Trust an Idle Pool Connection: 10

Shrink Frequency: 900

Init SQL:



Connection Creation Retry Frequency: 0

Login Delay: 0

Inactive Connection Timeout: 30

10. Select **Targets** and **check** the **AdminServer** checkbox. Then **save** the configurations.
Your final result should be as shown below.

Administration Console

 Home Log Out Preferences  Record Help

Home > Summary of JDBC Data Sources > jdbc/ TUTORIAL

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ Settings updated successfully.

Settings for jdbc/ TUTORIAL

Configuration **Targets** Monitoring Control Security Notes

Save

This page allows you to select the servers or clusters on which you would like to deploy this JDBC data source.

Servers

☒ AdminServer

Save