

Application Installation Guide

Oracle Financial Services Lending and Leasing

Release 14.3.0.1.0

Part No. E79024-01

September 2016

Application Installation Guide
September 2016
Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

www.oracle.com/financialservices/

Copyright © 2007, 2016, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Table of Contents

1. Preface	1-1
1.1 Prerequisites.....	1-1
1.2 Audience.....	1-2
1.3 Conventions Used	1-2
2. Installing Software	2-1
2.1 Installing Oracle WebLogic Server 12c	2-1
3. Creating Domains, Repositories, Data Sources	3-1
3.1 Creating Schemas using Repository Creation Utility	3-1
3.2 Creating Domain and Servers	3-9
3.3 Creating Metadata Repository	3-19
3.4 Creating Data Source	3-22
3.5 Creating SQL Authentication Provider.....	3-27
3.6 Creating User Groups and Users	3-34
3.6.1 <i>Creating Users</i>	3-34
3.6.2 <i>Creating User Groups</i>	3-35
3.6.3 <i>Assigning Users to Groups</i>	3-36
3.6.4 <i>Resetting password via weblogic console</i>	3-36
3.7 Implementing JMX Policy for Change Password.....	3-37
4. Configuring Policies	4-1
4.1 Configuring Password Policy for SQL Authenticator	4-1
4.2 Configuring User Lockout Policy	4-2
5. Deploying Application	5-1
5.1 Deploying Application	5-1
6. Enabling SSL	6-1
7. Mapping Enterprise Group with Application Role	7-1
8. Configuring JNDI name for HTTP Listener	8-1
9. Configuring Oracle BI Publisher for Application	9-1
10. Launching Application	10-1
11. Installing Upgrade	11-1

1. Preface

This document contains notes and installation steps needed to install and setup Oracle Financial Services Lending and Leasing. Oracle Financial Services Lending and Leasing relies on several pieces of Oracle software in order to run and this document is in no way meant to replace Oracle documentation supplied with these Oracle products or available via Oracle technical support. The purpose of this document is only meant to supplement the Oracle documentation and to provide Oracle Financial Services Lending and Leasing specific installation instructions.

For recommendations on security configuration, refer Security Configuration Guide.

It is assumed that anyone installing Oracle Financial Services Lending and Leasing will have a thorough knowledge and understanding of Oracle Weblogic Server 12c, Oracle BI Publisher 12c.

Application installation is a nine step process.

1. [Installing Software](#)
2. [Creating Domains, Repositories, Data Sources](#)
3. [Configuring Policies](#)
4. [Deploying Application](#)
5. [Enabling SSL](#)
6. [Launching Application](#)
7. [Mapping Enterprise Group with Application Role](#)
8. [Configuring Oracle BI Publisher for Application](#)
9. [Configuring JNDI name for HTTP Listener](#)

1.1 Prerequisites

The following software are required to install Oracle Financial Services Lending and Leasing application and they are available from the following sources:

- Oracle Software Delivery Cloud (<http://edelivery.oracle.com/>)
 - Oracle Technology Network (OTN)
1. Sun JDK Version 1.8.0_66 or above <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
 2. Oracle WebLogic Server 12c Version 12.2.1.0.0 (<http://www.oracle.com/technetwork/middleware/weblogic/downloads/index.html>)
Navigate to Fusion Middleware Infrastructure Installer.
 3. JVM/JDK are to be downloaded and installed prior to installing the Weblogic Server.

Note

Please use all 64-bit software's for machine hosted with 64-bit O/S.

1.2 Audience

This document is intended for system administrators or application developers who are installing Oracle Financial Services Lending and Leasing Application.

1.3 Conventions Used

Term	Refers to
Application	Oracle Financial Services Lending and Leasing

2. Installing Software

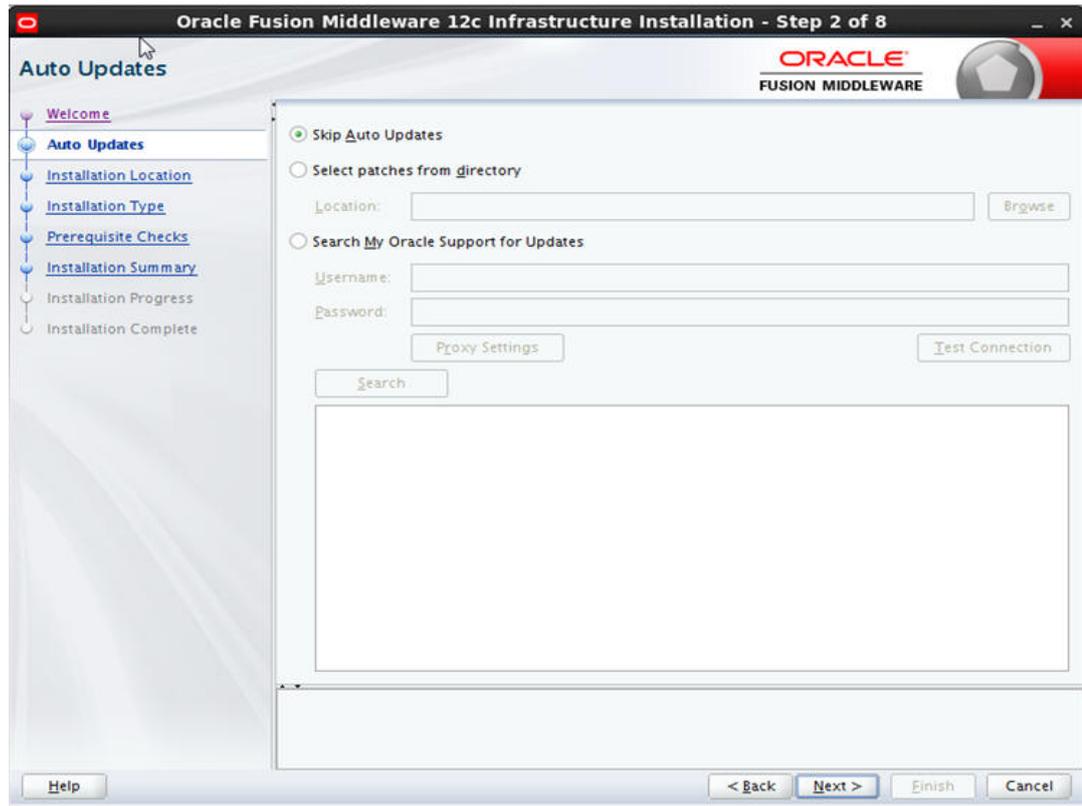
2.1 Installing Oracle WebLogic Server 12c

To install using generic Weblogic installer

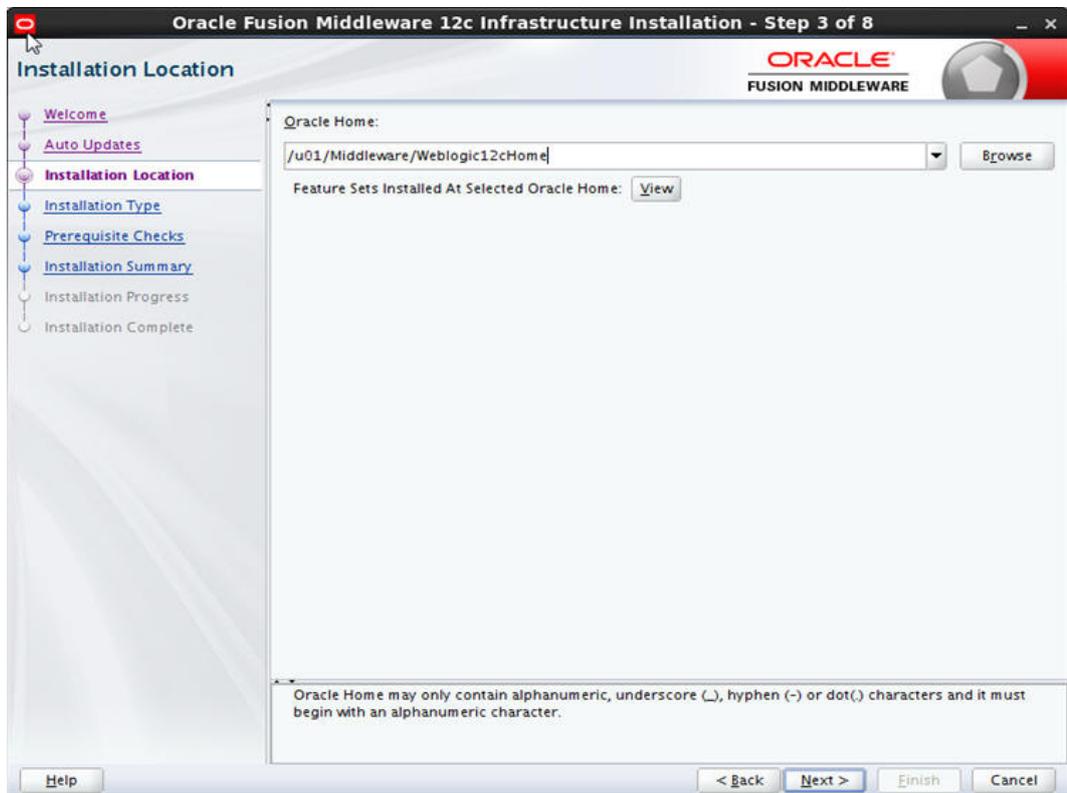
1. Run the command > java -jar fmw_12.2.1.0.0_infrastructure.jar
2. Welcome screen is displayed as shown below. Click Next.



3. The following window is displayed.

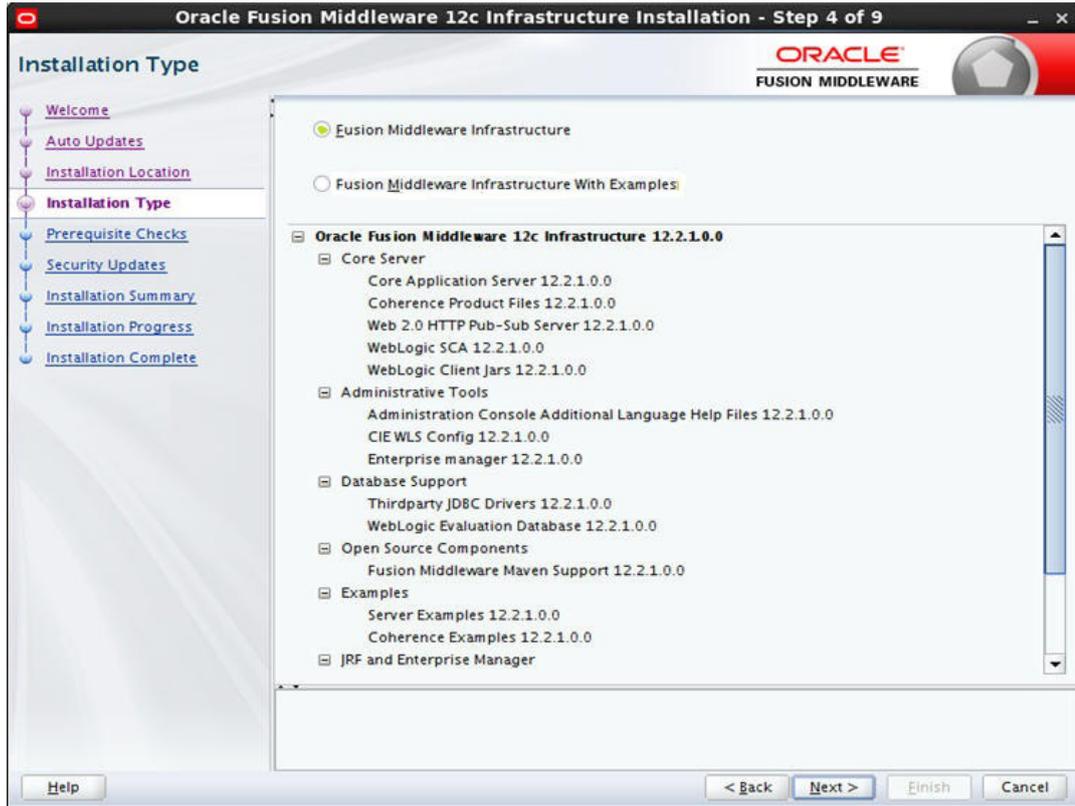


4. Select 'Skip Auto Updates' and Click 'Next'.

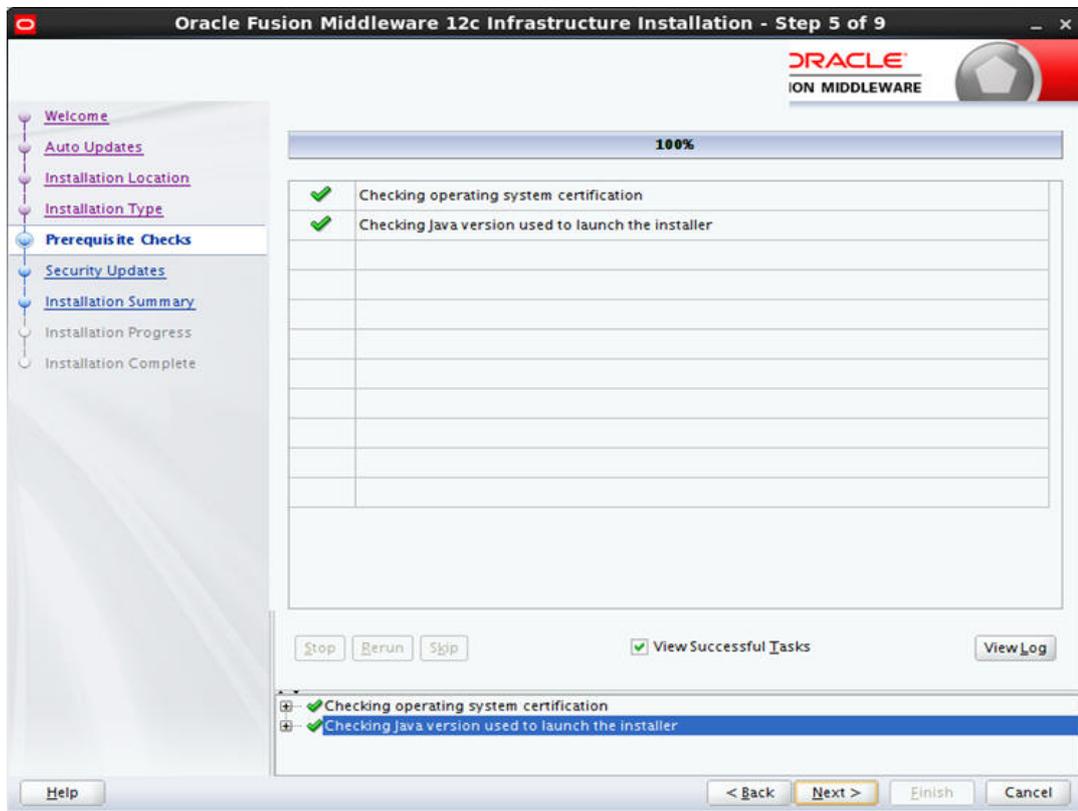


5. Specify the path for Middleware Home Directory.

6. Click 'Next'. The following window is displayed.



7. Select the option 'Fusion Middleware Infrastructure'. Click 'Next'.

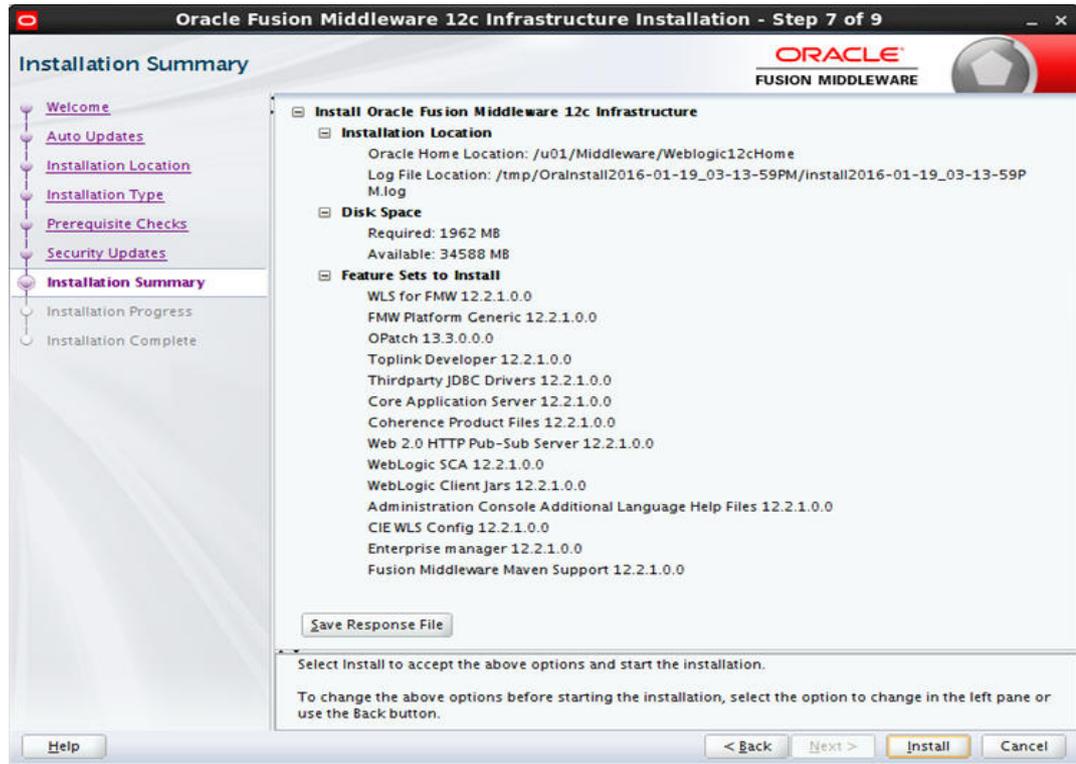


8. Click 'Next'. The following window is displayed.

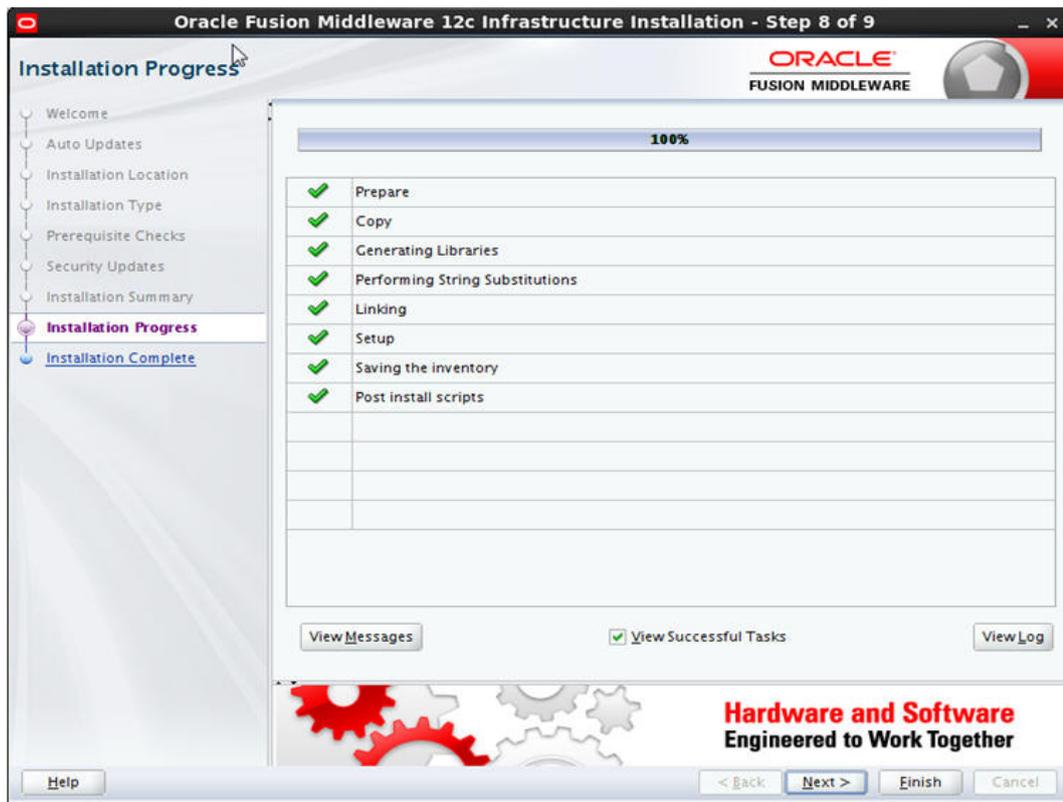


9. Deselect the check box as in the above screen and click 'Next'. Click on 'Yes' in the confirmation dialog displayed.

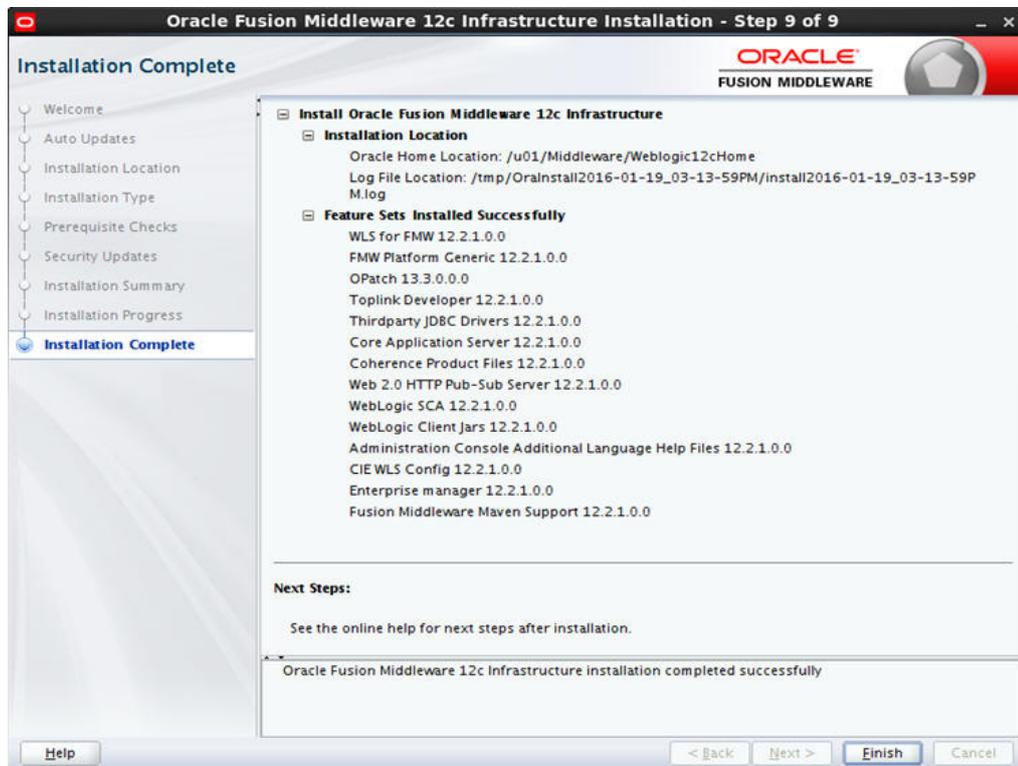
10. Click 'Next'. The following window is displayed.



11. Click 'Install'. The weblogic installation starts. Once done, the following window is displayed.



12. Click 'Next'. The following window is displayed.



13. Click 'Finish' to close the window.

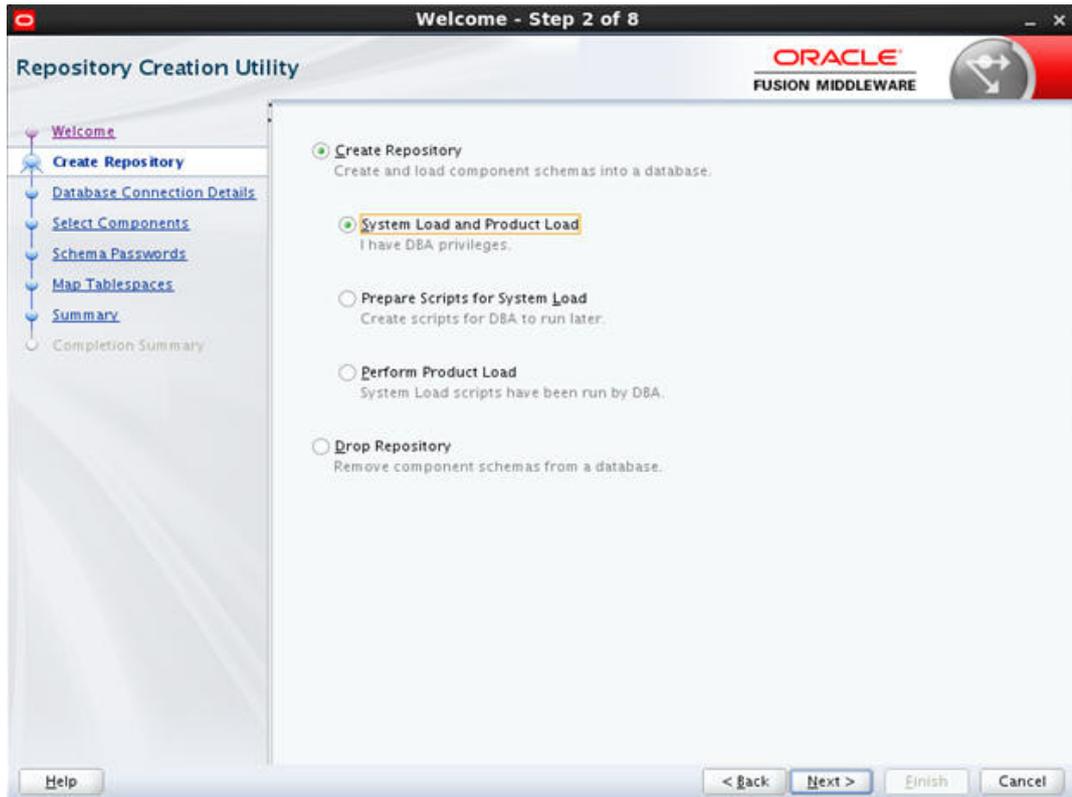
3. Creating Domains, Repositories, Data Sources

3.1 Creating Schemas using Repository Creation Utility

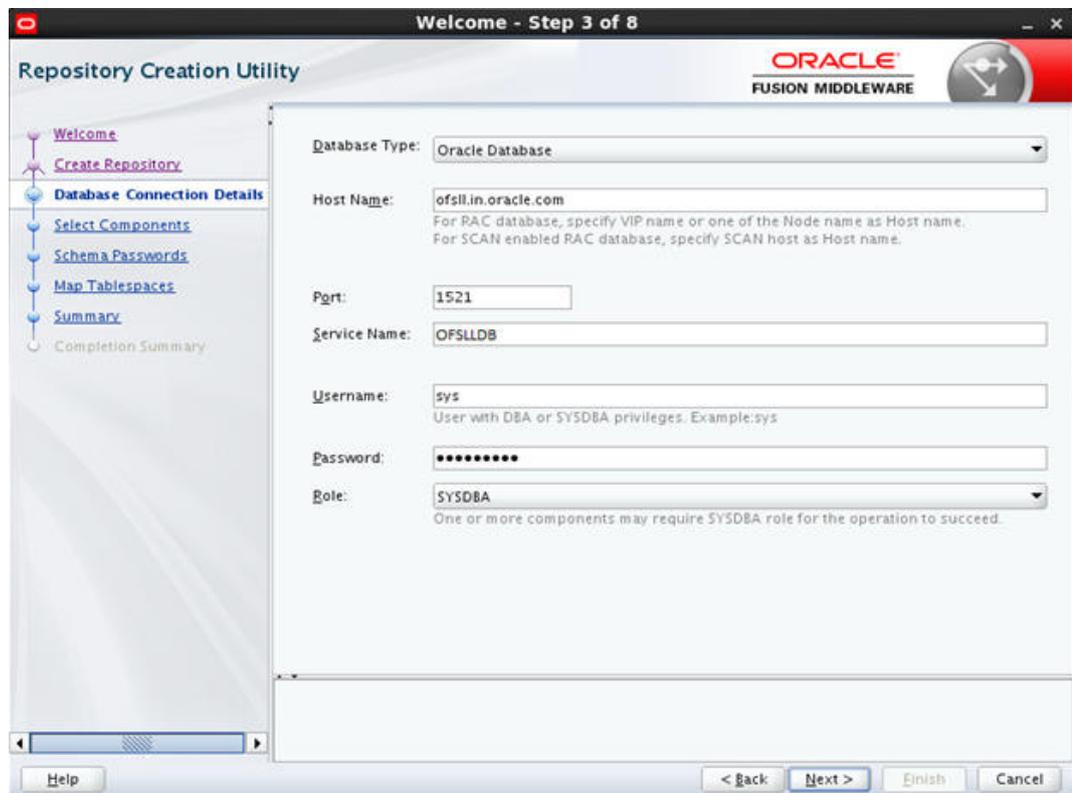
1. Open command prompt on Unix and browse to <WL_HOME>/oracle_common/bin and run ./rcu. The following window is displayed.



2. Click 'Next'. The following window is displayed.



3. Select 'Create Repository' and select 'System Load and Product Load'. Click 'Next'. The following window is displayed.

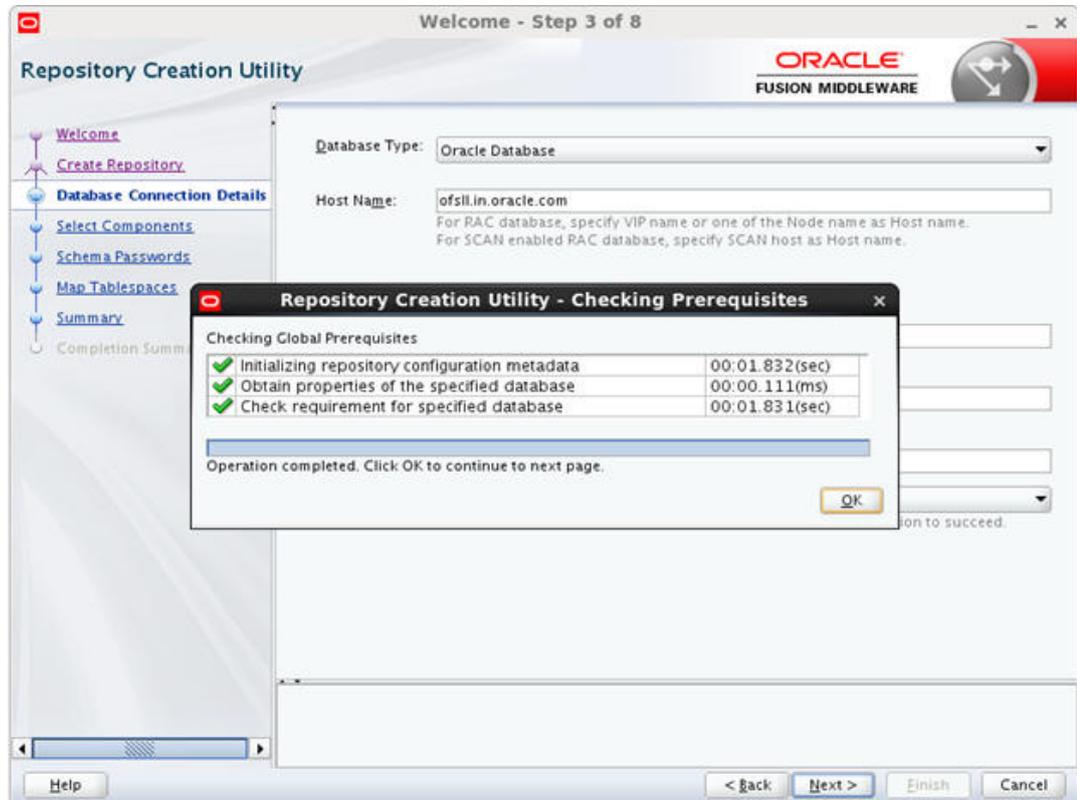


4. Provide database details where you want to create schemas, as shown in the above screen.

Note

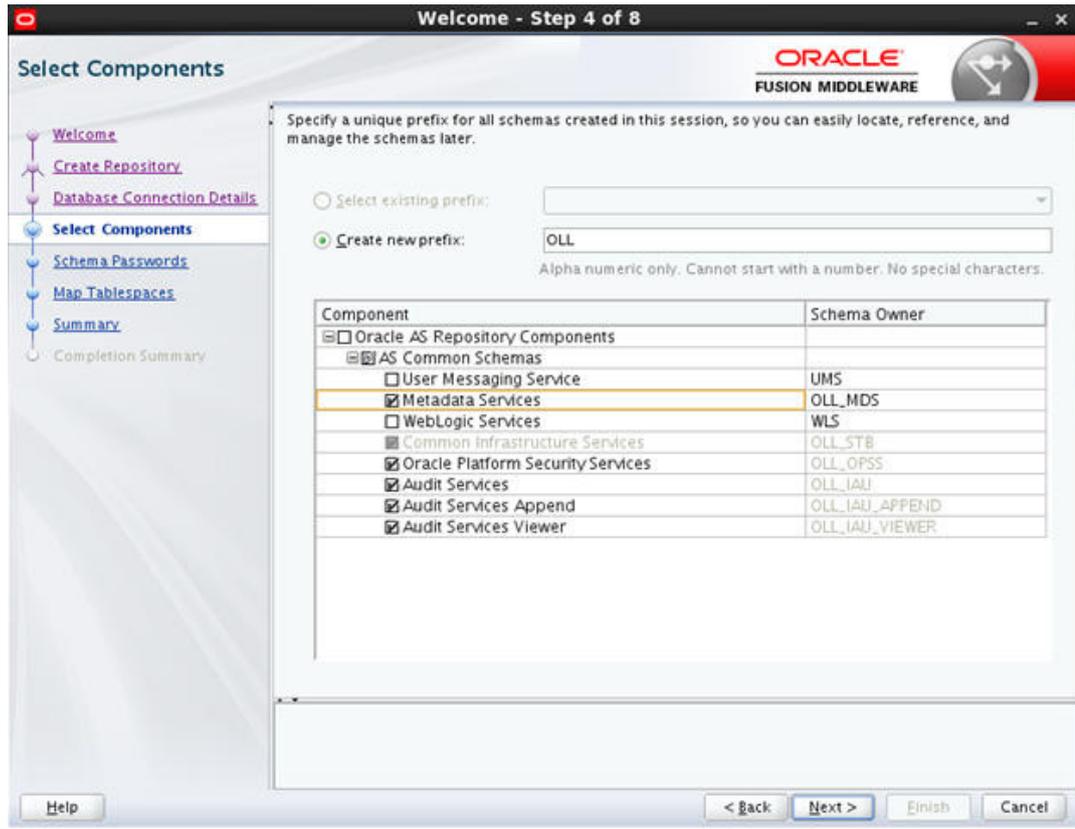
You will require a user with SYSDBA role to create schemas.

5. Click 'Next'. The following window is displayed.

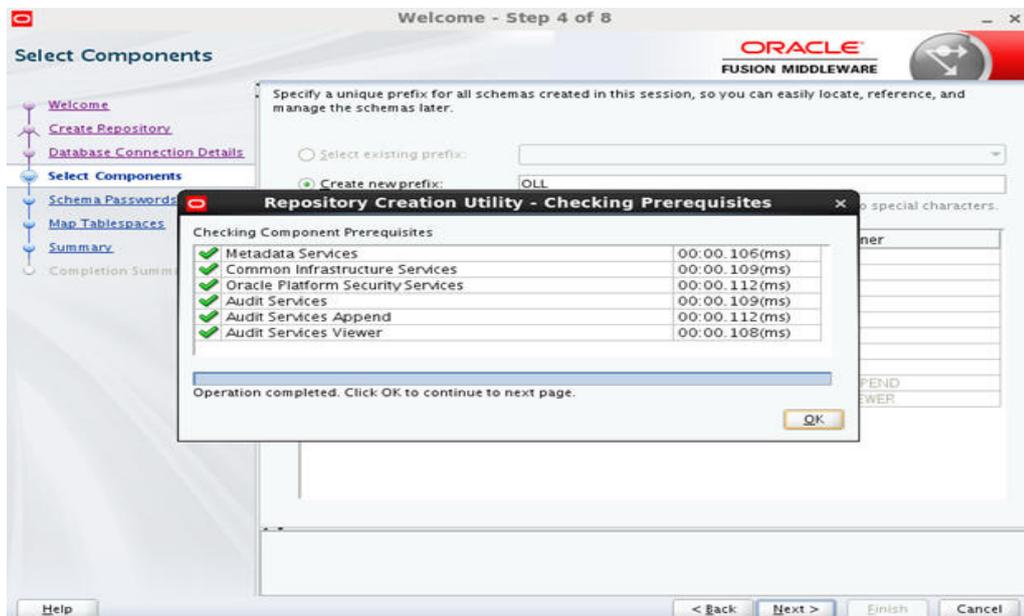


6. Click 'OK' in the confirmation dialog.

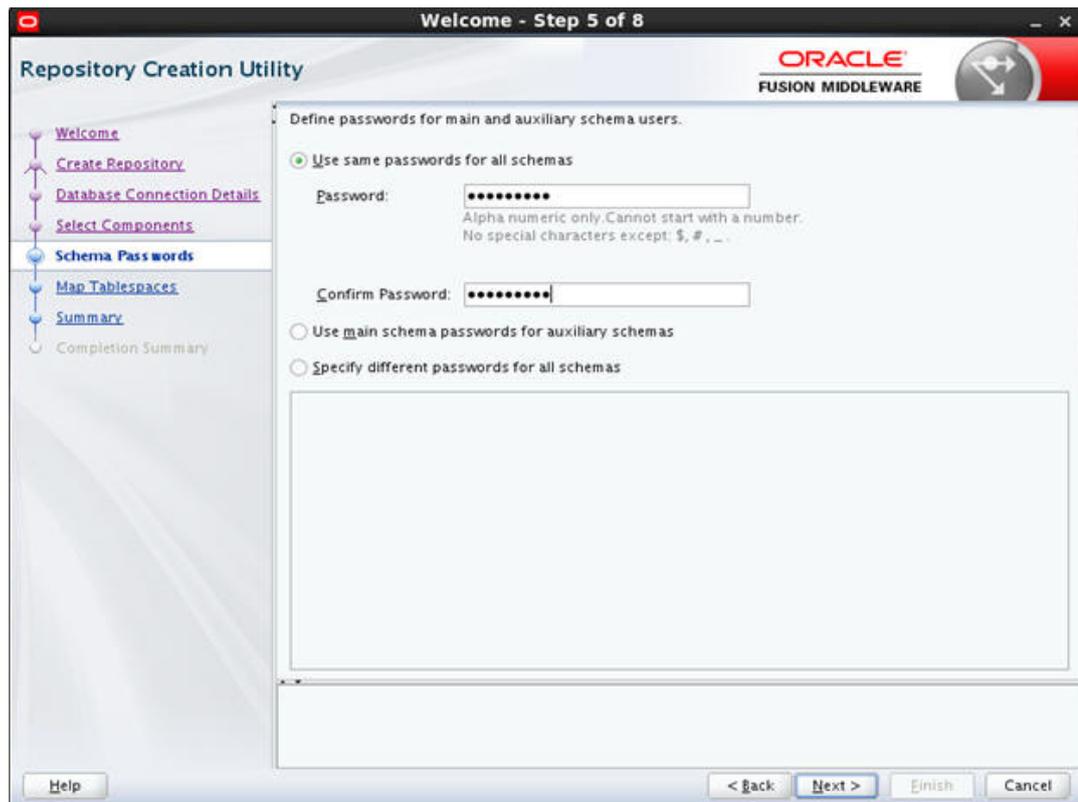
- Click 'Next' the following window is displayed.



- Select 'Create new Prefix' option and specify the value. For example, OLL.
- Select the options 'Metadata Services' and 'Oracle Platform Security Services' as shown in the above screen. Click 'Next'. The following window is displayed.



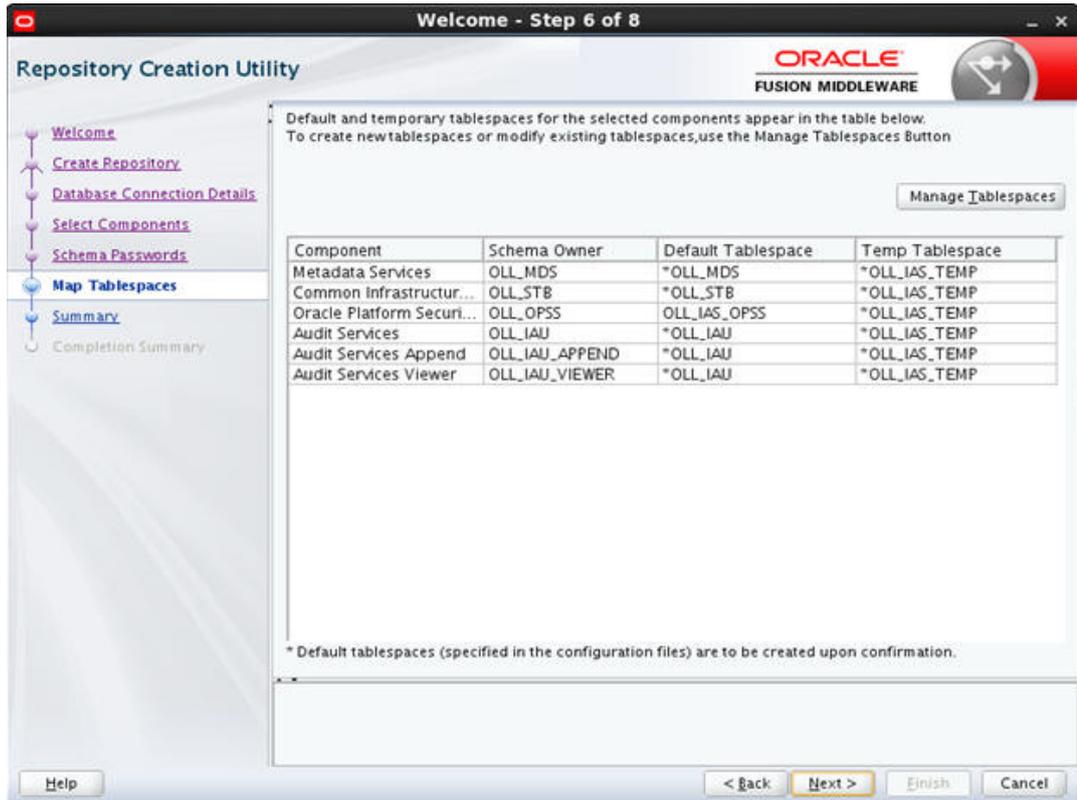
10. Click 'Next'. The following window is displayed.



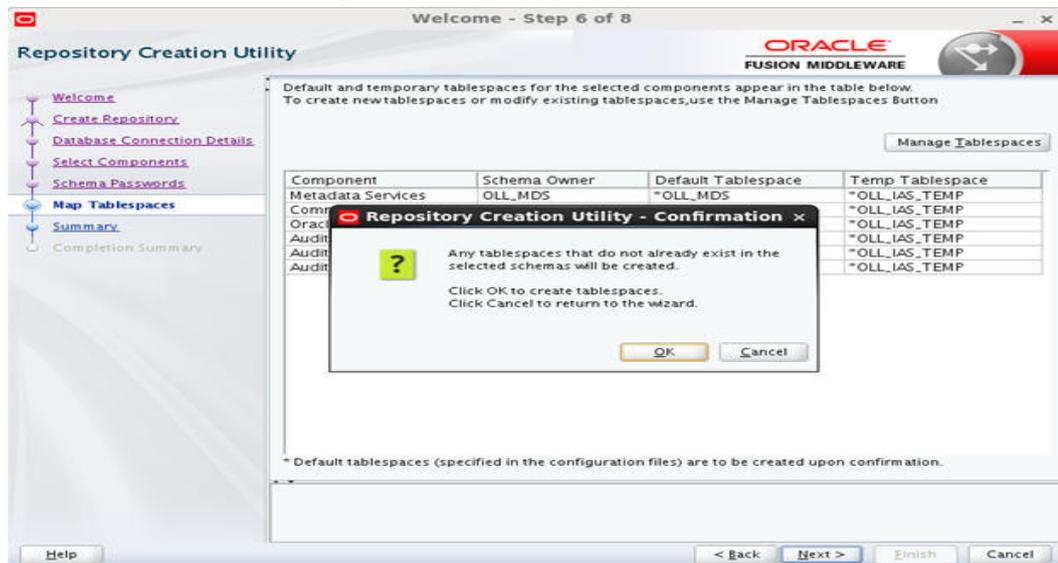
11. You can select one of the following:

- Select 'Use same password for all schemas' and specify the password.
- Select 'Specify different passwords for all schemas' and specify Schema Passwords for each server.

12. Click 'Next'. The following window is displayed.

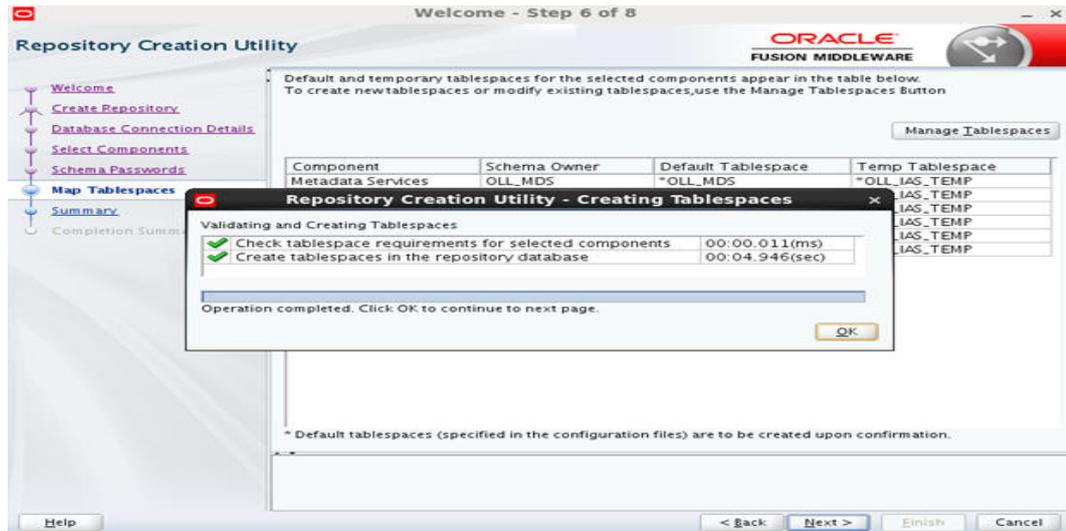


13. Click 'Next'. The following window is displayed.



14. Click 'OK' in the confirmation dialog.

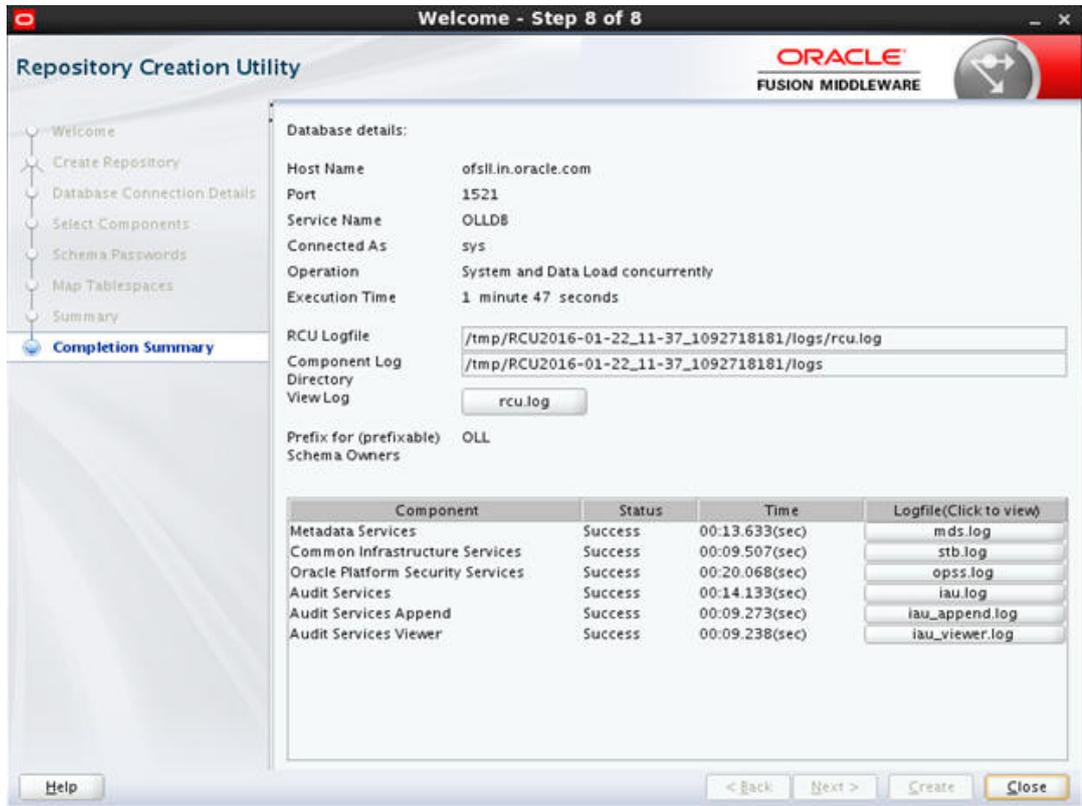
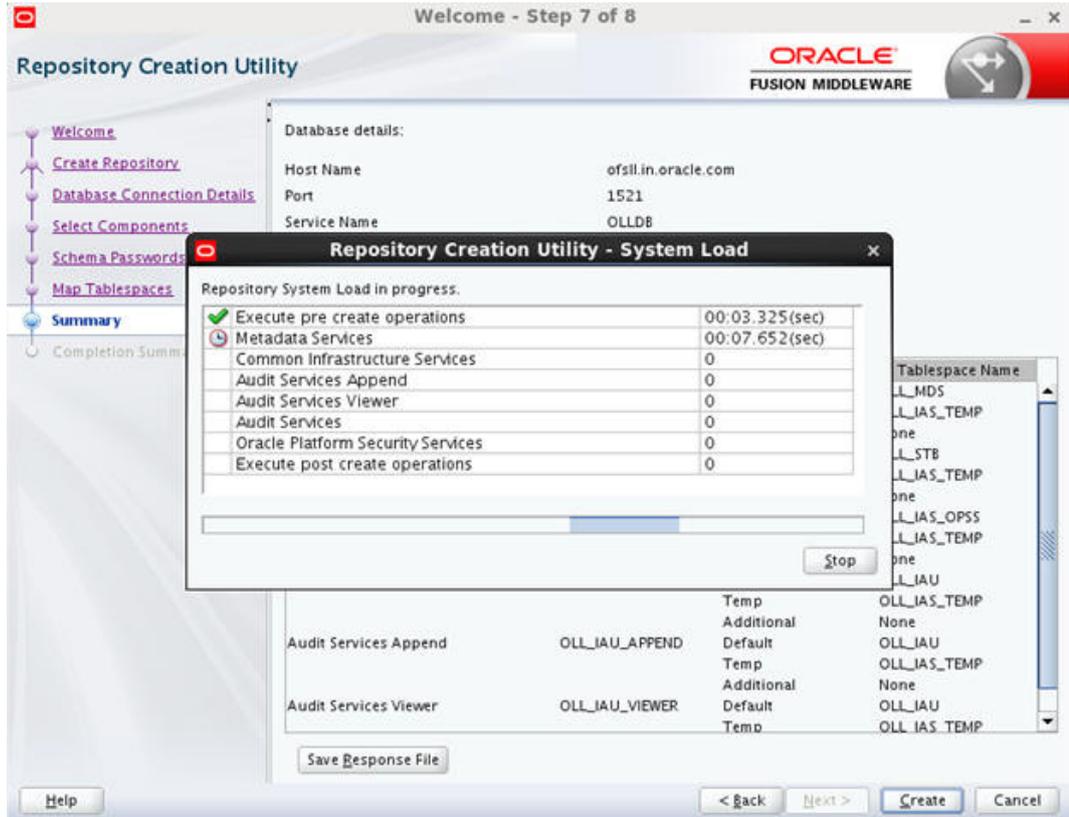
15. Click 'Next'. The following window is displayed.



16. Click 'OK' in the confirmation dialog. The following window is displayed.



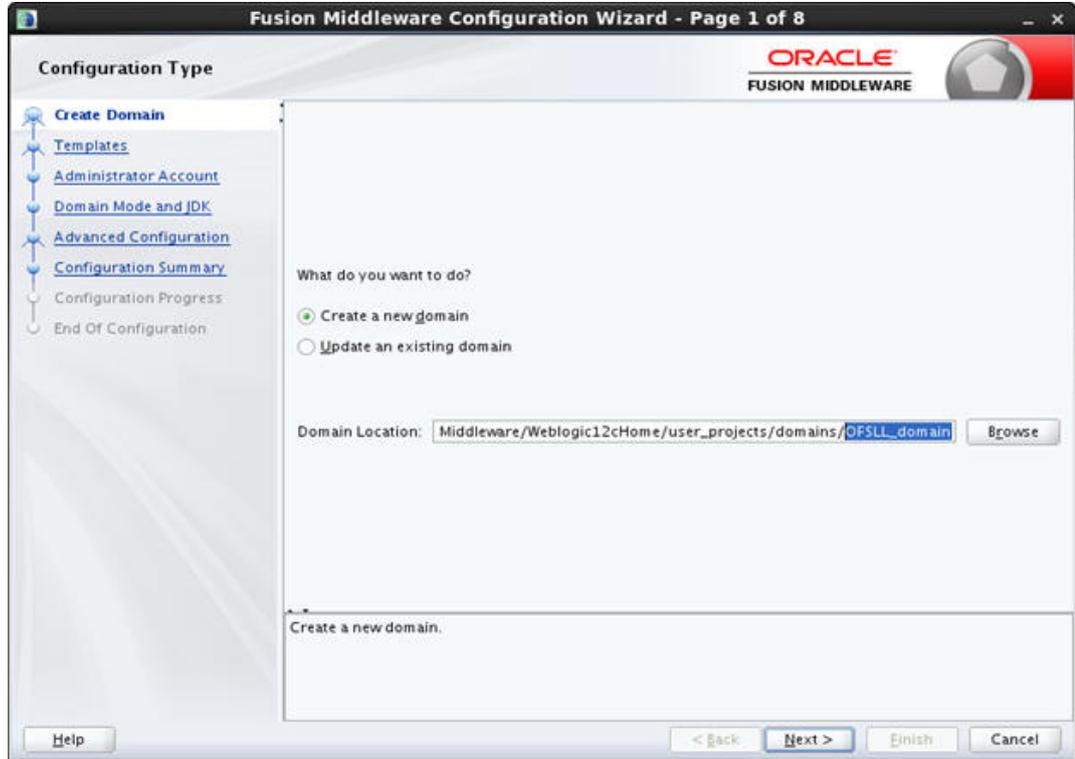
17. Click 'Create'. The following windows are displayed.



18. Click 'Close' to close the window.

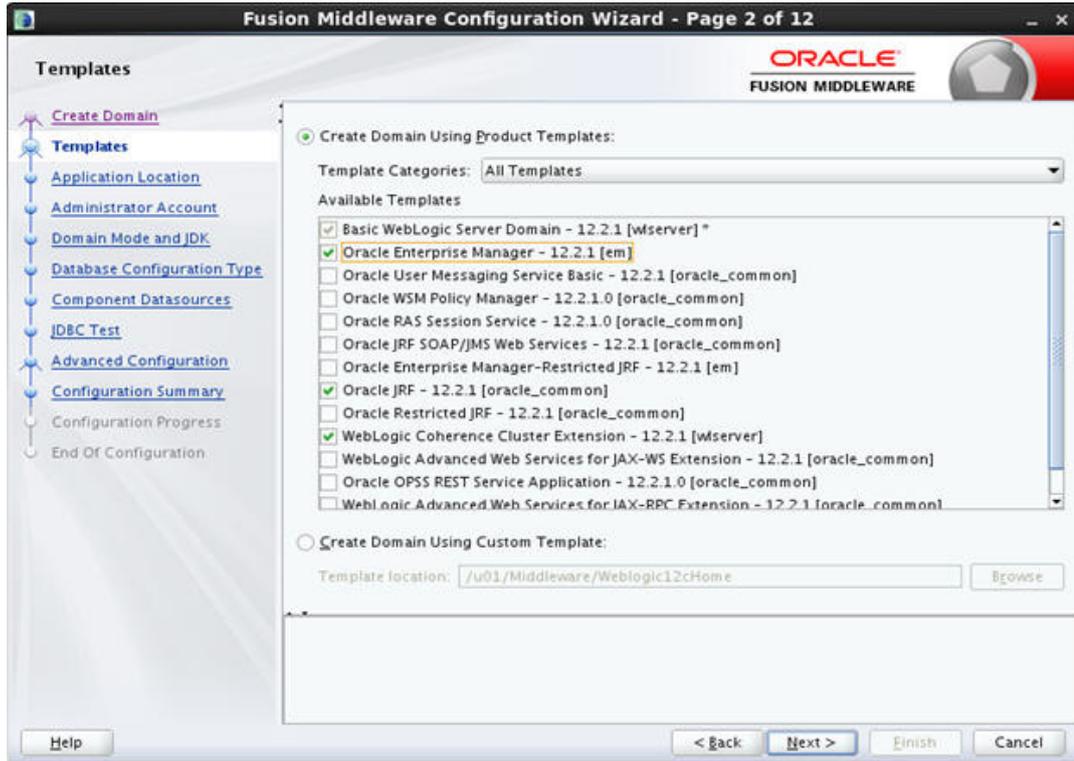
3.2 Creating Domain and Servers

1. In Unix/Linux machine, once the Oracle WebLogic Server is installed, navigate to the following path - <WL_HOME>/wlserver/common/bin (Here, WL_HOME is /home/Oracle/Middleware).
2. In Unix, run 'config.sh'



3. Select 'Create a new domain' and specify the Domain Location.

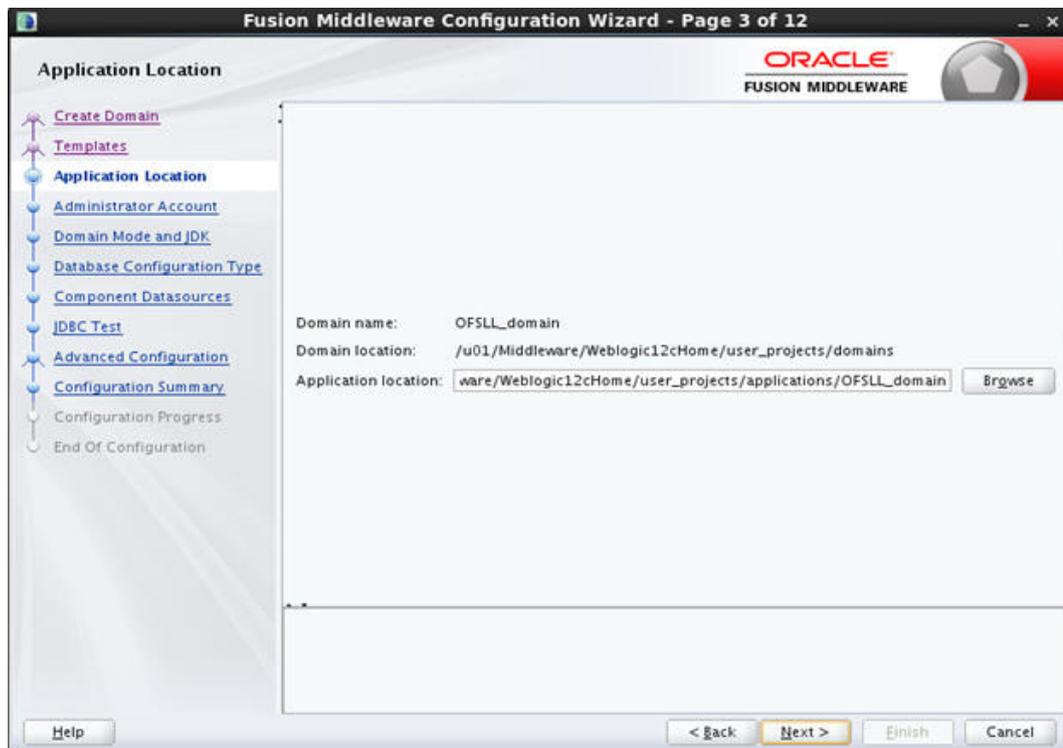
4. Click 'Next'. The following window is displayed.



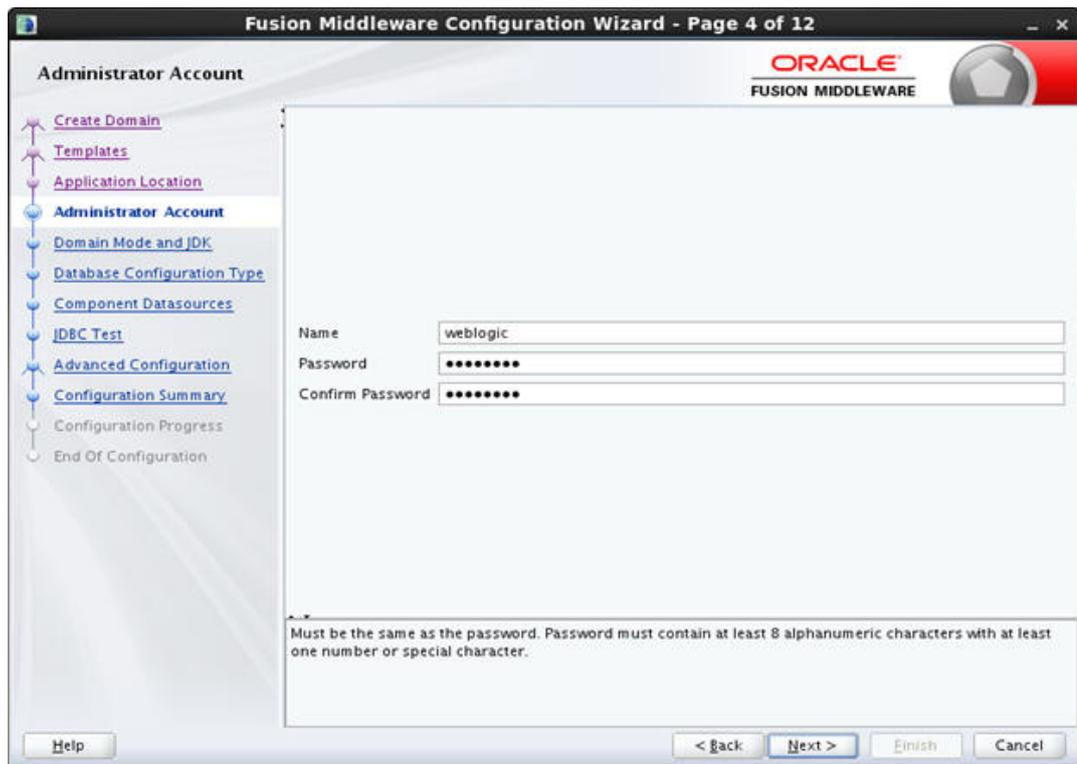
5. Select the option 'Create Domain Using Product Templates' and select the following options in the list of available templates:

- Oracle Enterprise Manager - 12.2.1 [em]
- Oracle JRF - 12.2.1 [oracle_common]

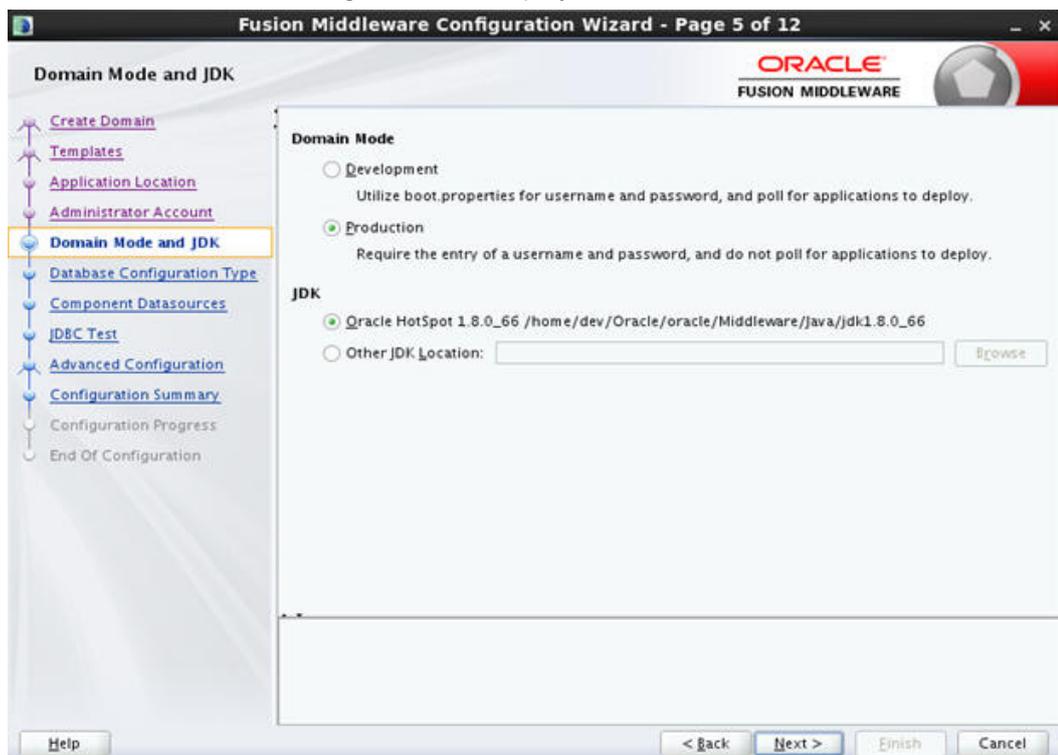
6. Click 'Next'. The following window is displayed.



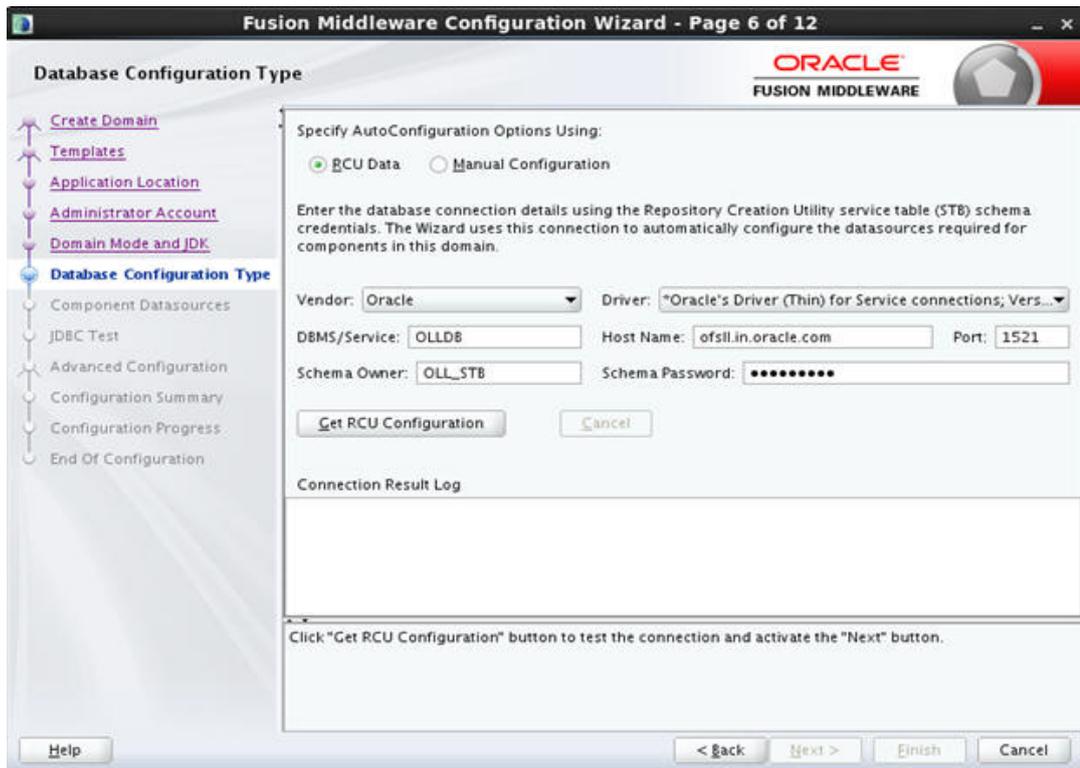
7. Enter 'Domain' Name. Edit Domain Location, if needed and click 'Next'. The following window is displayed.



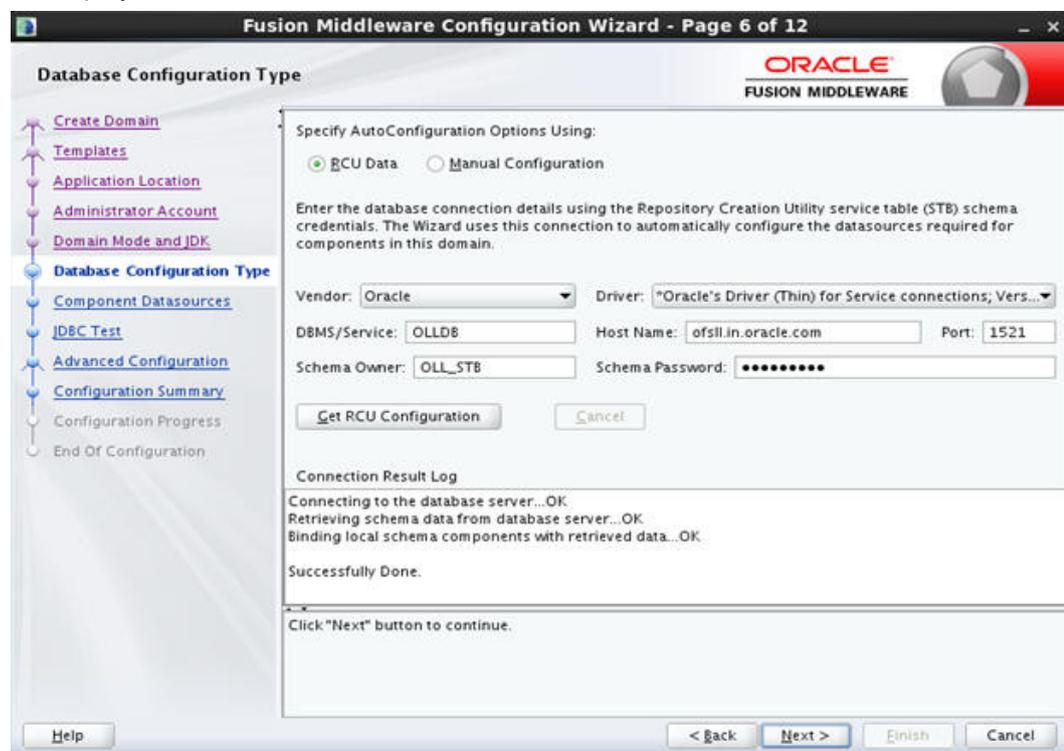
8. Enter credentials for the following:
 - Name
 - Password
 - Confirm Password
9. Click 'Next'. The following window is displayed.



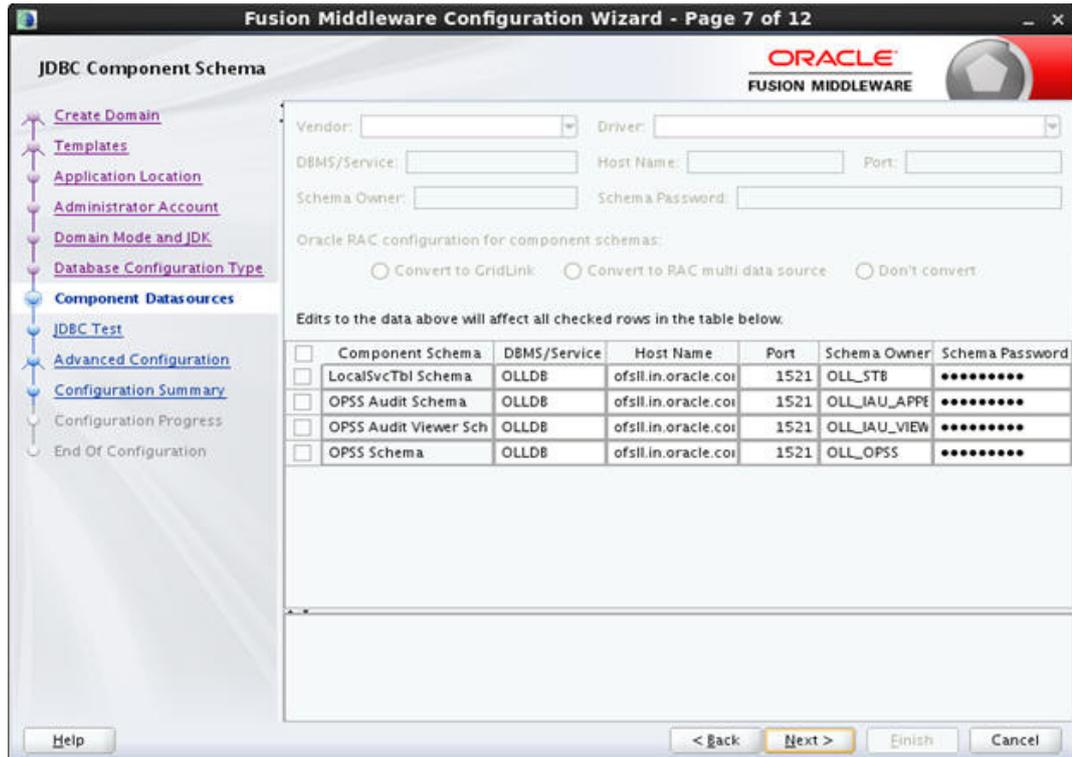
10. Select the Domain Mode as 'Production' and 'JDK' from Available JDKs. You can also select any other JDK by selecting 'Other JDK Location' option.
11. Click 'Next'. The following window is displayed.



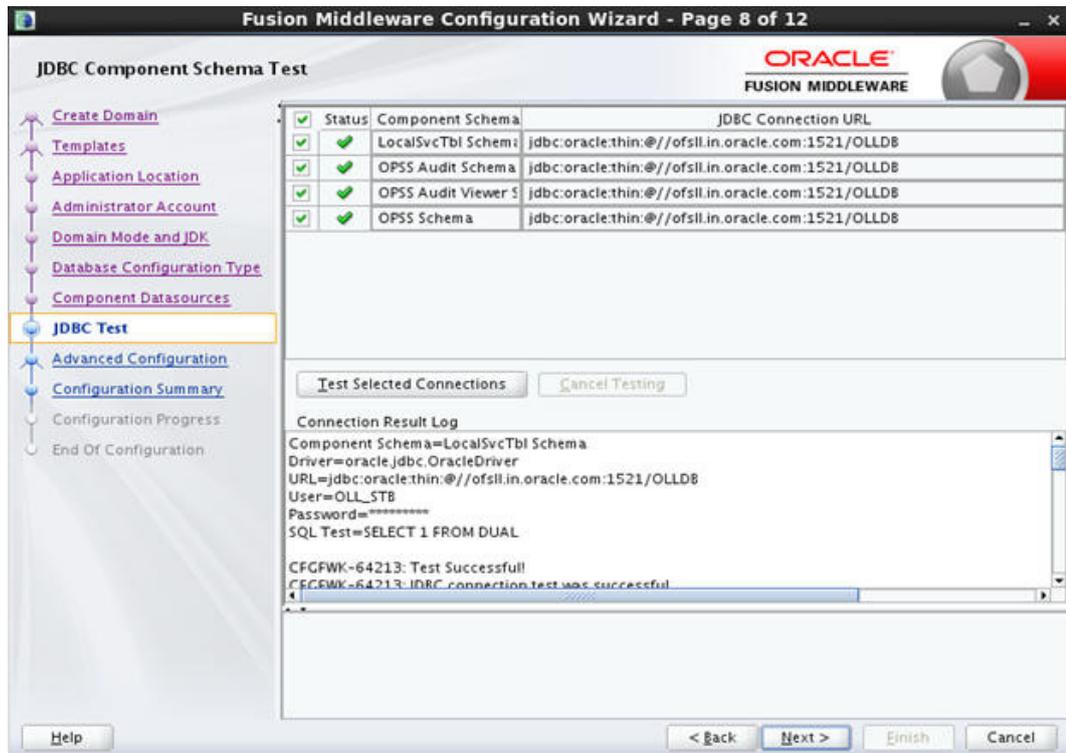
12. Specify the RCU data and click on 'Get RCU Configuration'. The following window is displayed.



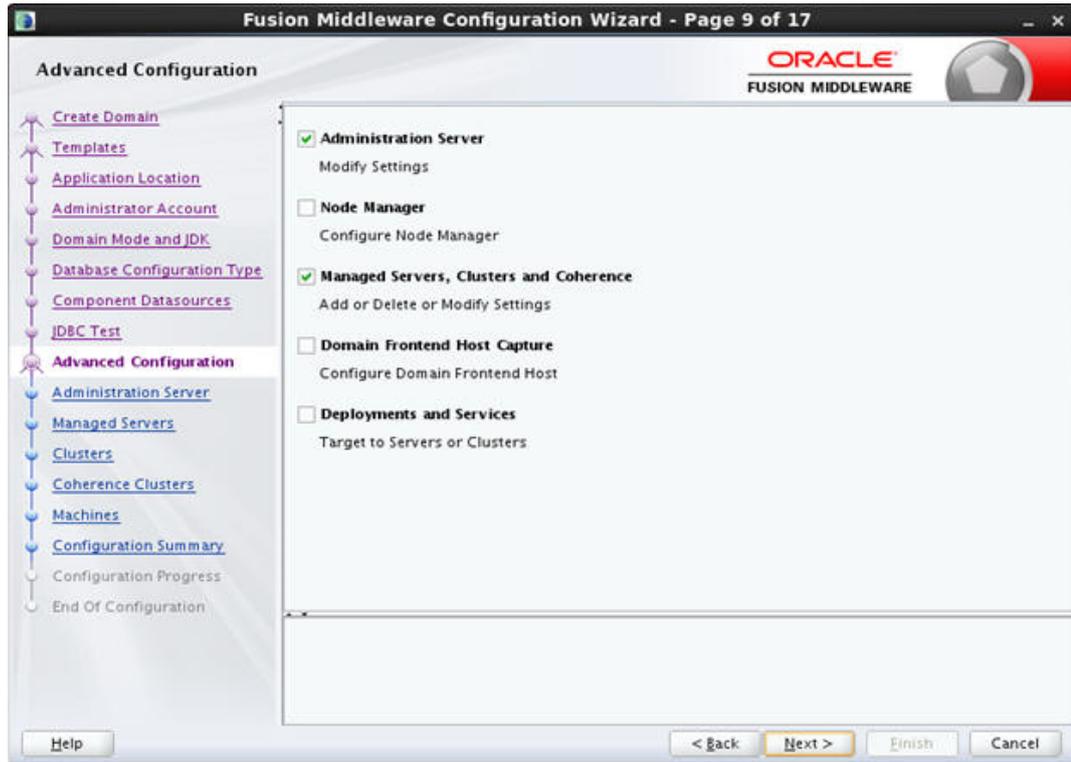
13. Click 'Next'. The following window is displayed.



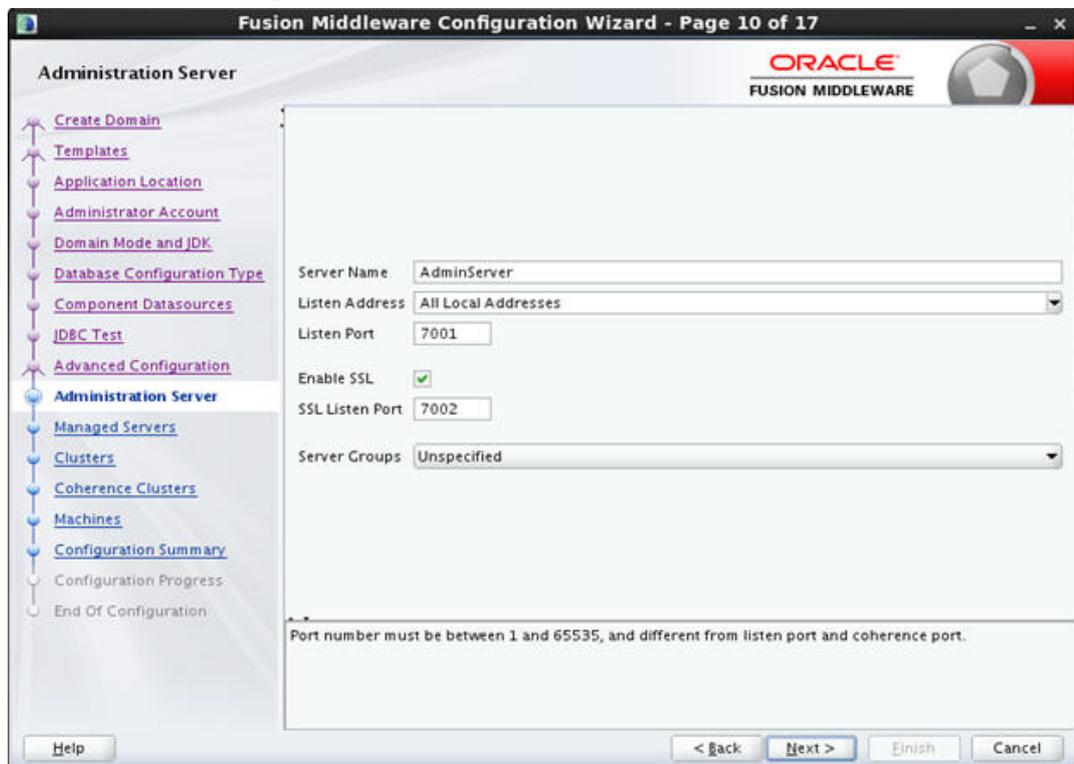
14. . Click 'Next'. The following window is displayed.



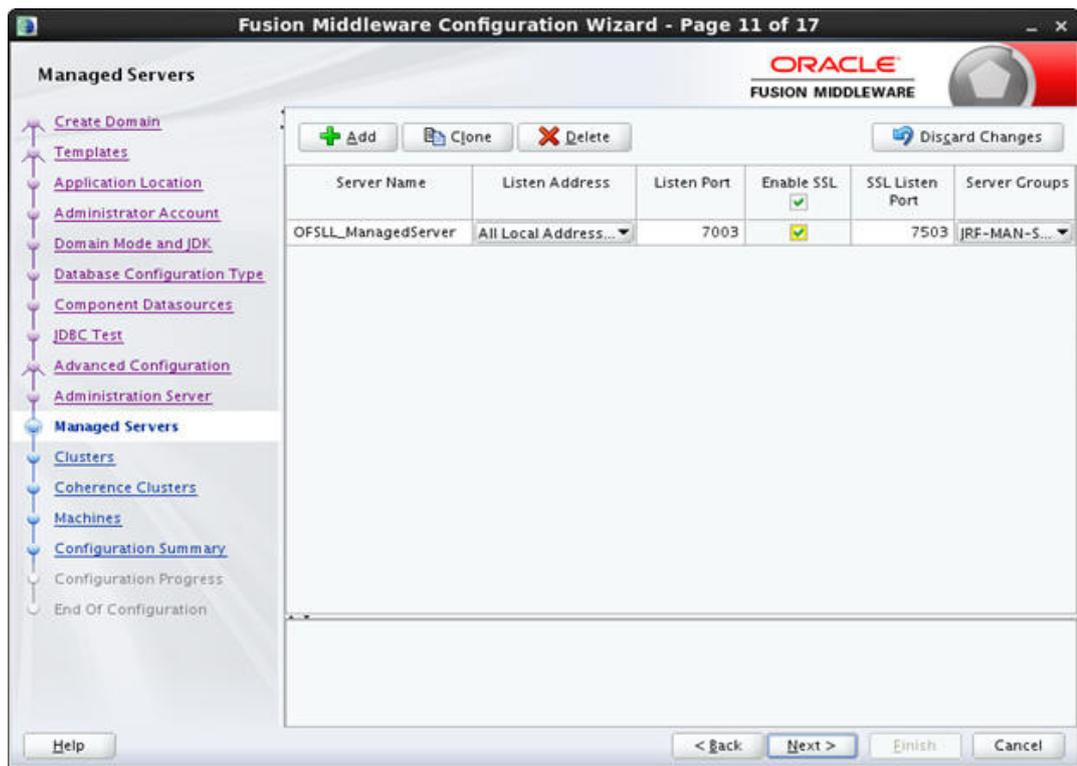
15. Click 'Next'. The following window is displayed.



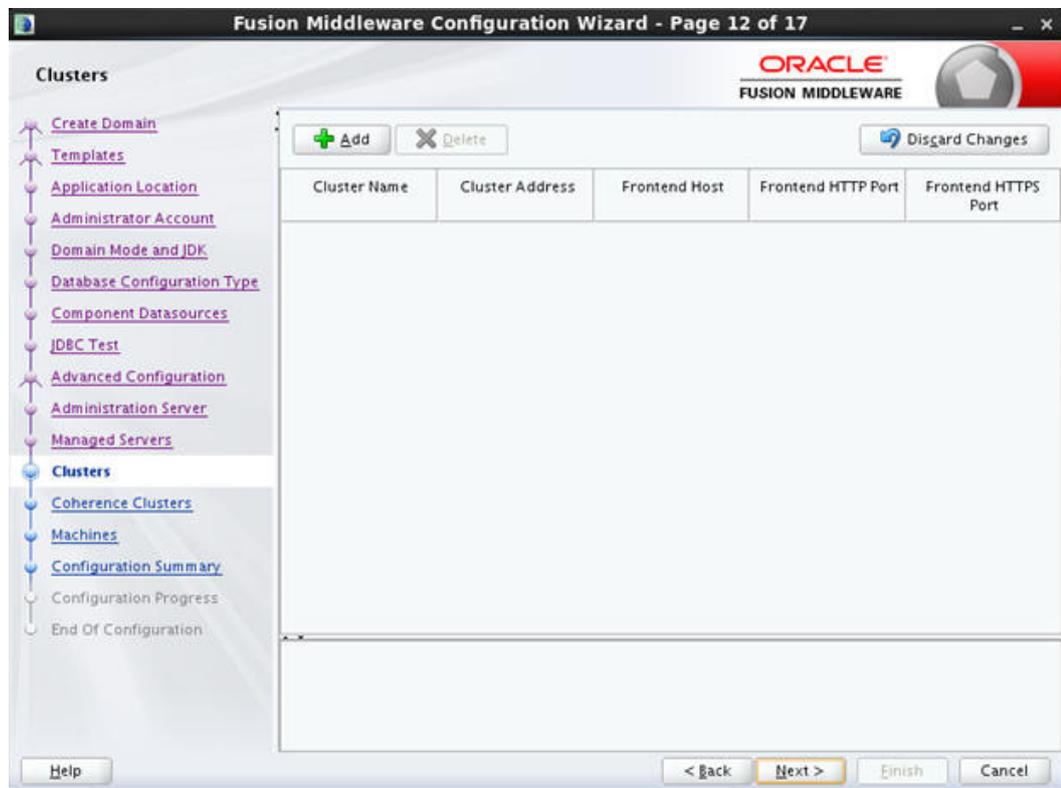
16. Select 'Administration Server' and 'Managed Servers, Clusters and Machines' and click 'Next'. The following window is displayed.



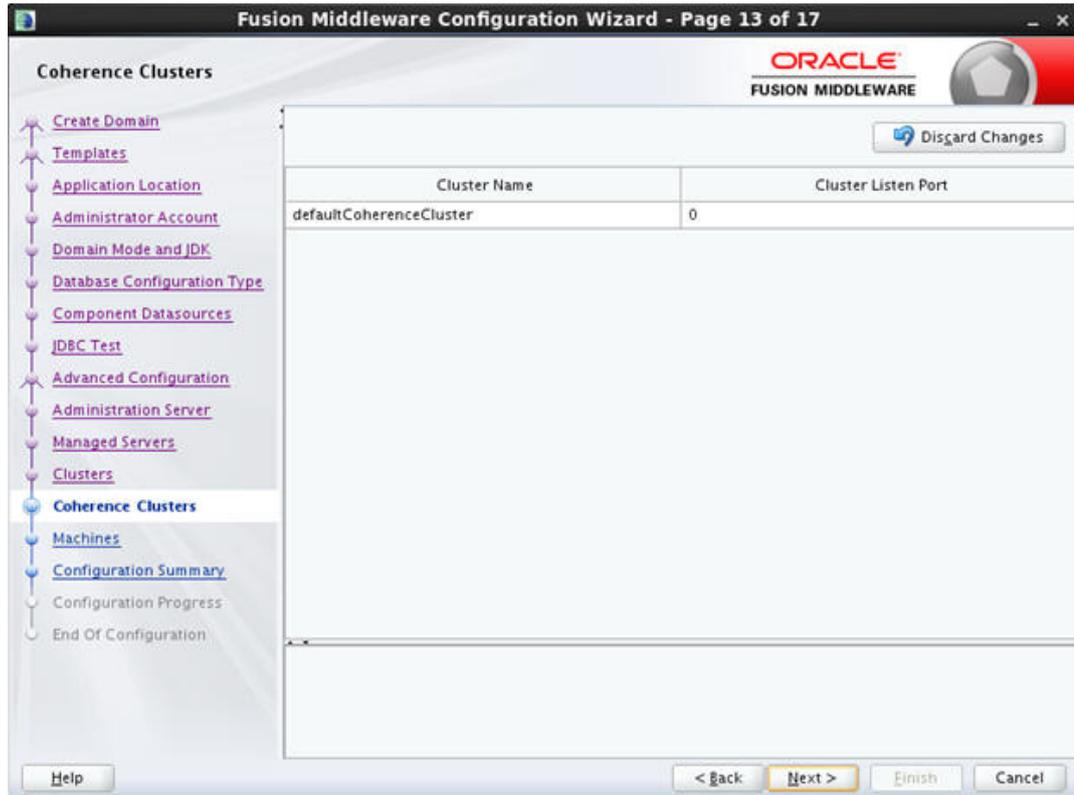
- Enter Administration 'Server Name' and 'Listen Port' details. Check the SSL port and click 'Next'. The following window is displayed.



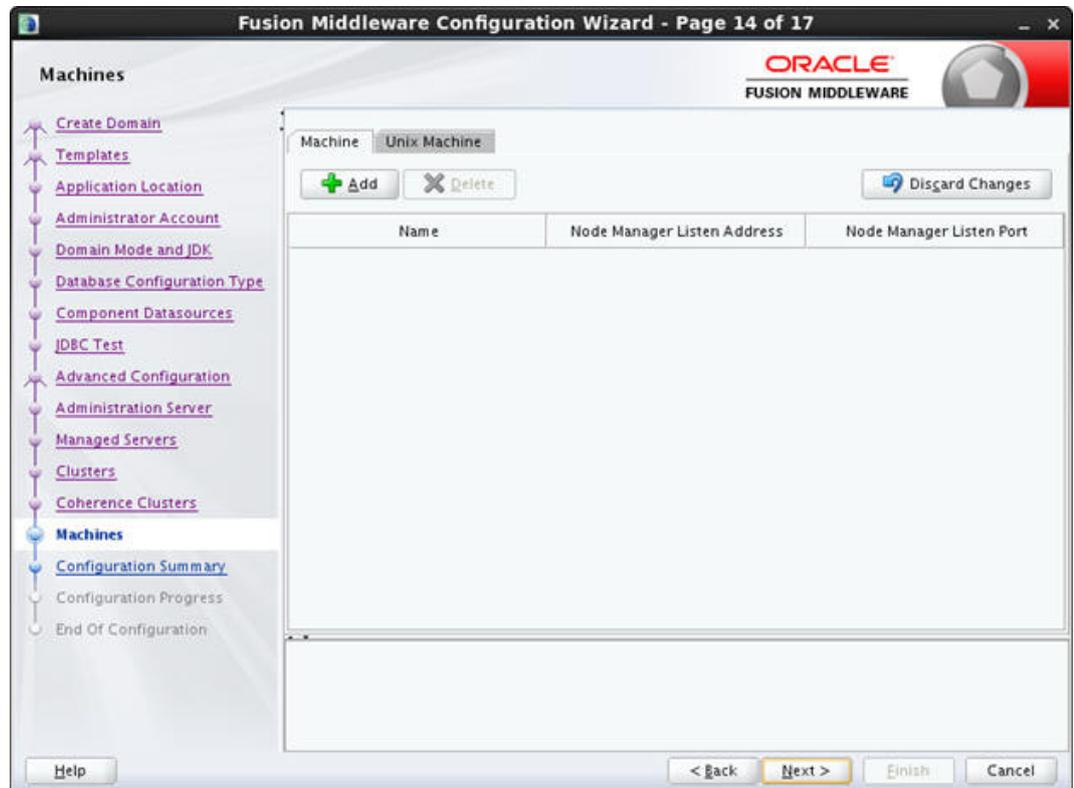
- Click Add button. In the Configure Managed Servers window, enter 'Name' and 'Listen Port' details. Check the SSL port and click 'Next'. The following window is displayed.



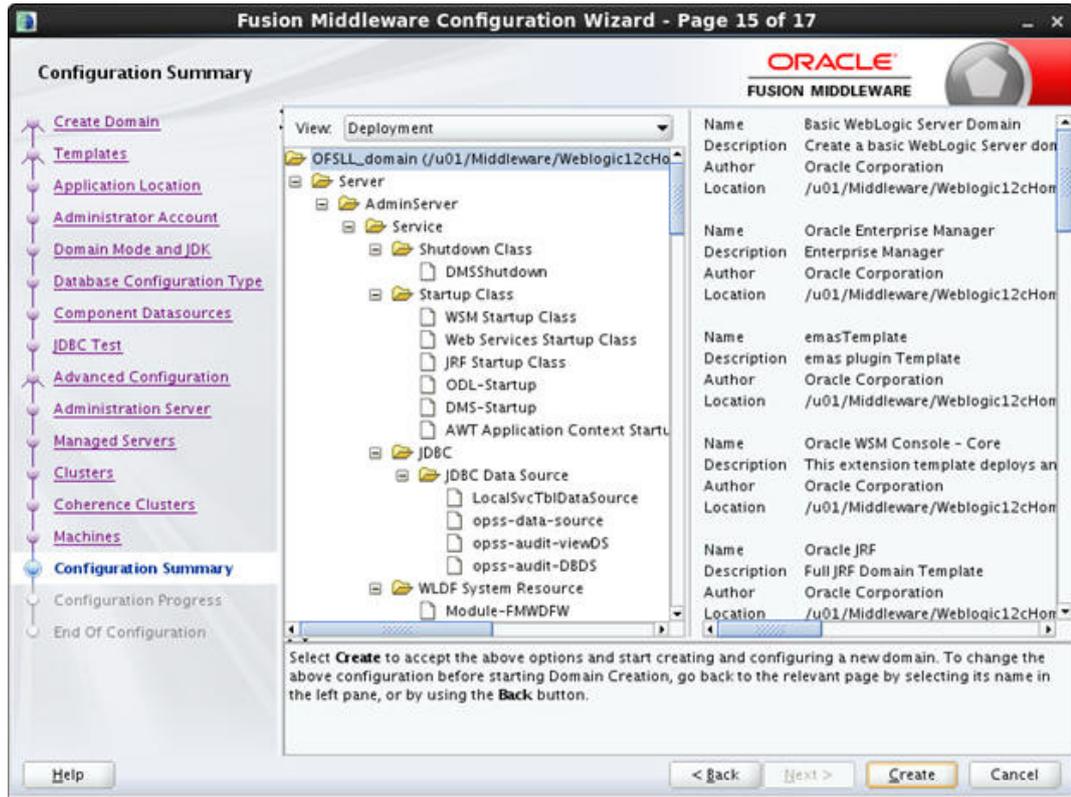
19. Configure as required and click 'Next'. The following window is displayed.



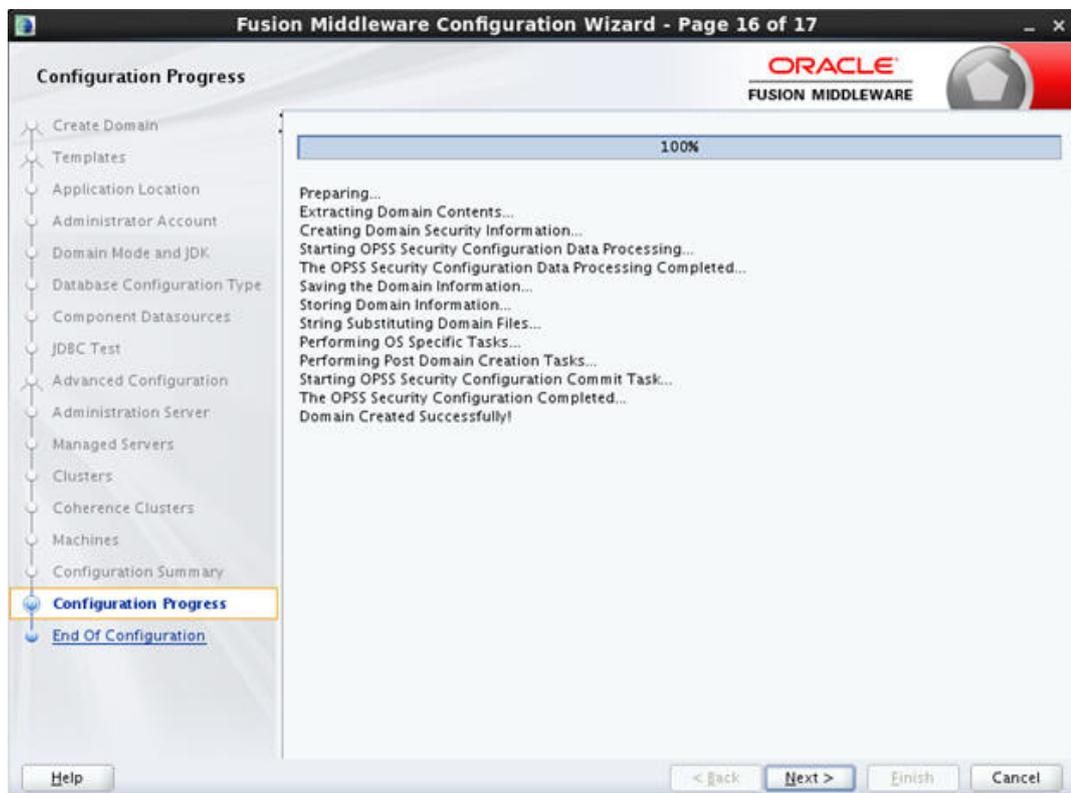
20. Configure as required and click 'Next'. The following window is displayed.



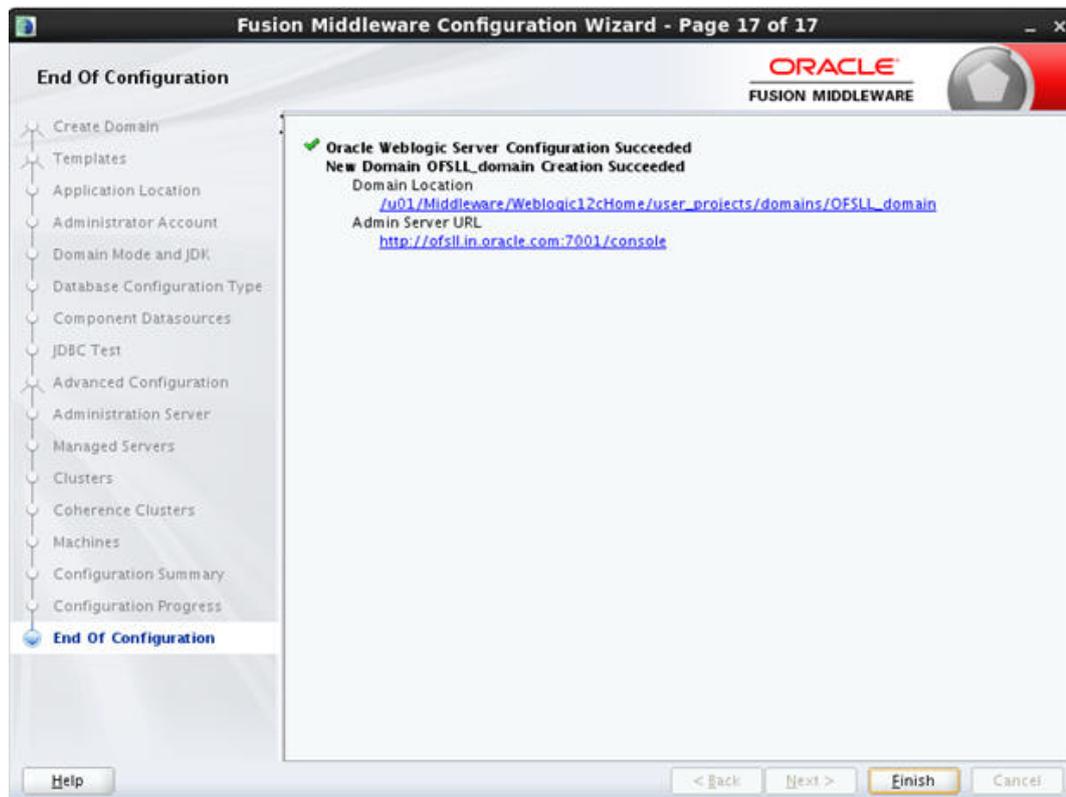
21. Configure as required and click 'Next'. The following window is displayed.



22. Click 'Create'. The following window is displayed.



23. Click 'Next'. The following window is displayed.



24. Once the creation of the Domain is complete, click 'Finish' to close the window.

Note

The default Weblogic installation will be running JVM with 512MB, this has to be increased for the ADF managed server. Say, for a 2 CPU Quad Core with 16 GB it could have the JVM running at 8 GB as:

```
USER_MEM_ARGS="-Xms8192m -Xmx8192m -XX:PermSize=2048m -XX:Max-PermSize=2048m"
```

25. The "\$MW_HOME/user_projects/domains/<mydomain>" directory contains a script that can be used to start the Admin server.

- \$ cd \$MW_HOME/user_projects/domains/<mydomain>/bin
- \$./startWebLogic.sh

If the server is required to be running and access to command line needs to be returned use "nohup" and "&"

```
$ nohup ./startWebLogic.sh &
```

26. To Start Managed Server

- \$ cd \$MW_HOME/user_projects/domains/<mydomain>/bin
- \$./startManagedWebLogic.sh {ManagedServer_name} {AdminServer URL}

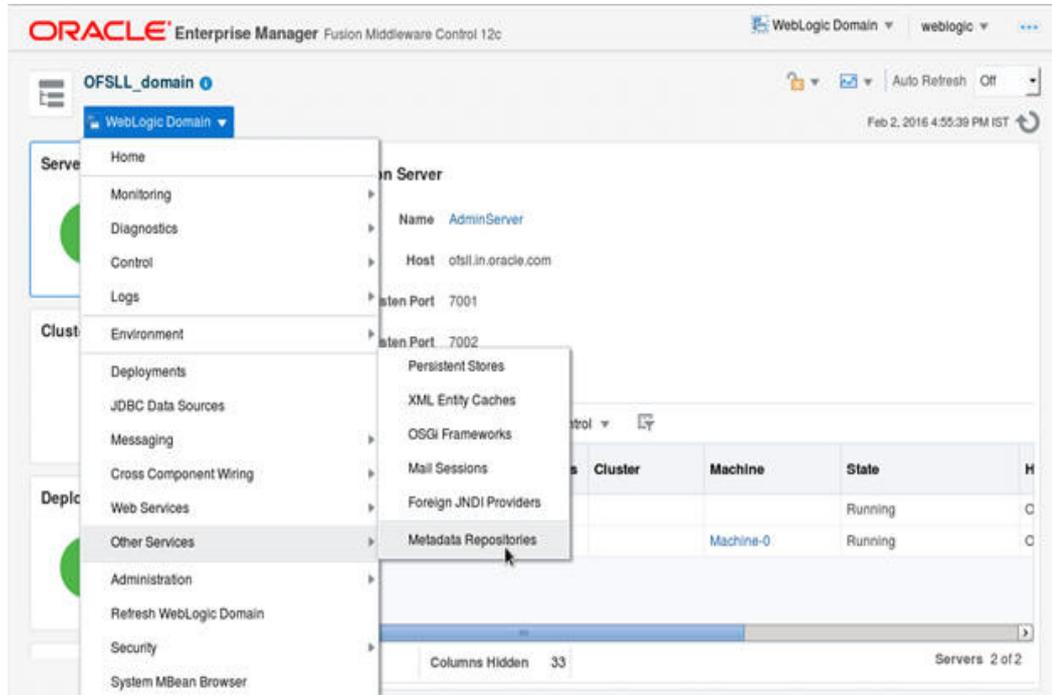
If the server is required to be running and access to command line needs to be returned use "nohup" and "&".

```
$ nohup ./startManagedWebLogic.sh {ManagedServer_name} {AdminServer URL} &
```

3.3 Creating Metadata Repository

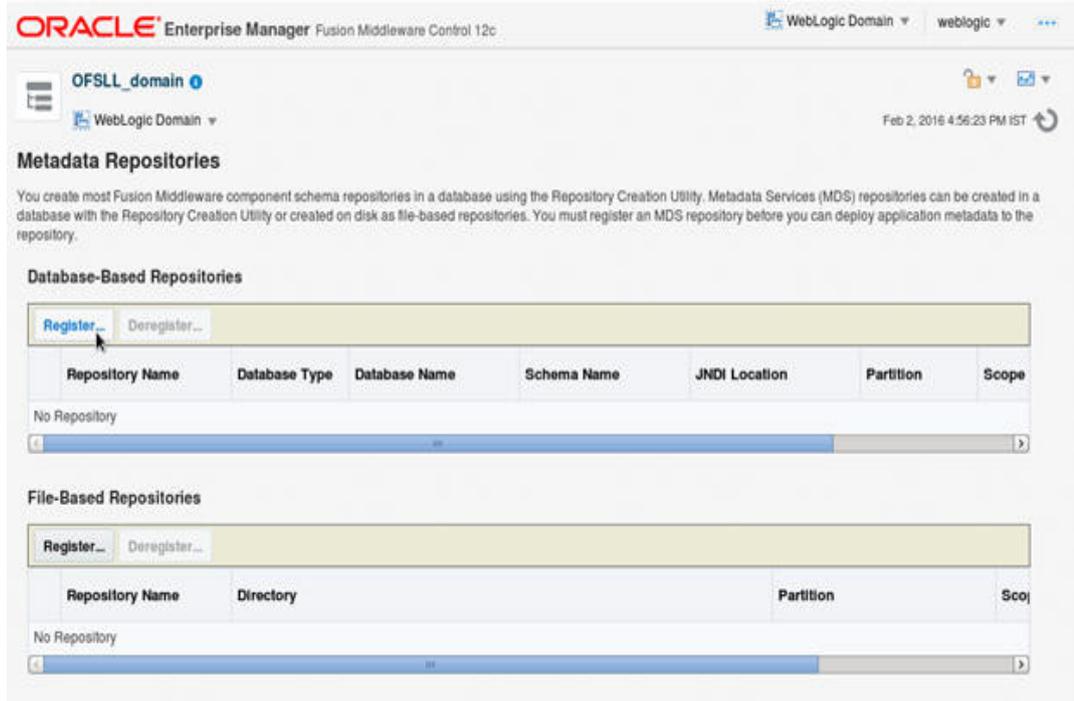
Assuming that **OLL_MDS** schema is created using Oracle Repository Creation Utility (RCU) as mentioned in [Creating Schemas using Repository Creation Utility](#) section, follow the below steps to create the repository.

1. Login to Oracle Enterprise Manager 12c console (<http://hostname:port/em>).

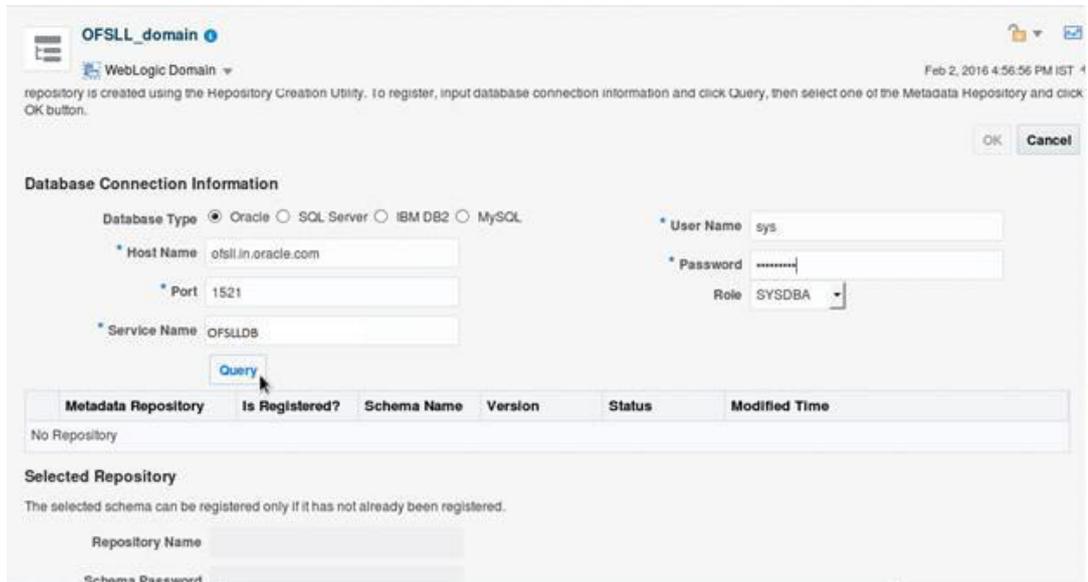


2. Click on domain name OFSLL_domain on the left side panel.
3. Expand Weblogic domain OFSLL_domain and click 'Metadata Repositories' option, as shown in the above screen.

- The following window is displayed.



- Click 'Register' button. The following window is displayed.



- Enter database instance details under Database Connection Information section and click 'Query'. All available schemas in the given database instance are listed.
- Select the schema you require and in the Selected Repository – Schema OLL_MDS section, enter 'Repository Name' (adf) and the password.

8. Click 'OK'. The following window is displayed.

Metadata Repository	Is Registered?	Schema Name	Version	Status	Modified Time
MDS	false	OLL_MDS	12.2.1.0.0	VALID	Jan 22, 2016 6:53:57 PM IST

Selected Repository - Schema: OLL_MDS
 The selected schema can be registered only if it has not already been registered.

* Repository Name: adf
 * Schema Password: [masked]

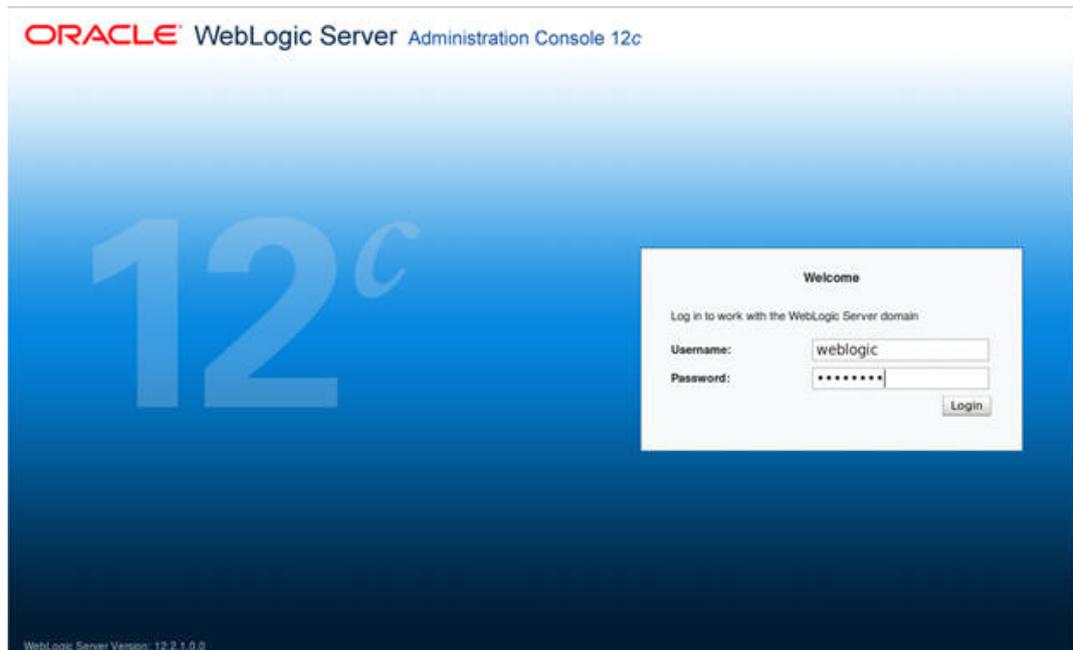
9. Click Repository name 'mds-adf' on left panel. You can even select it from right panel.

Repository Name	Database Type	Database Name	Schema Name	JNDI Location	Partition	Scope
mds-adf	Oracle	OLLDB	OLL_MDS	jdbc/mds/adf	Global	Global

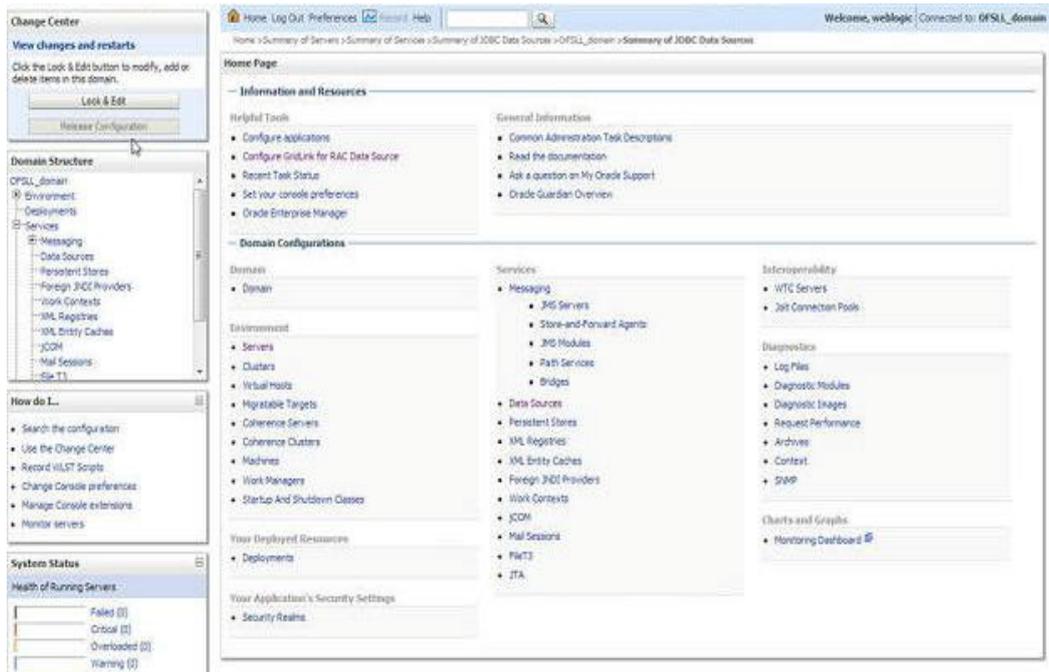
10. Click 'Add' and target to OFSLL_AdminSever and OFSLL_ManagedServer as on right panel.

3.4 Creating Data Source

1. Login to WebLogic Server 12c console (<http://hostname:port/console>).



2. The following window is displayed.



3. Click Domain Name > Services > Data Sources.

4. The following window is displayed.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of JDBC Data Sources

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 and then borrow a 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)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
LocalSvcTbDataSource	Generic	jdbc/LocalSvcTbDataSource	AdminServer	Global	
ops-suit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, OFSLL_ManagedServer	Global	
ops-suit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, OFSLL_ManagedServer	Global	
ops-data-source	Generic	jdbc/OpssDataSource	AdminServer, OFSLL_ManagedServer	Global	

5. Click 'Lock & Edit' button on the left panel. Click 'New' on right panel and select Generic Data Source.

Configuration button to allow others to edit the domain.

Lock & Edit

Release Configuration

Domain Structure

OFSLL_domain

- Domain Partitions
- Environment
- Deployments
- Services
 - Messaging
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions

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)

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: OFSLL

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/ofsllDBConnDS

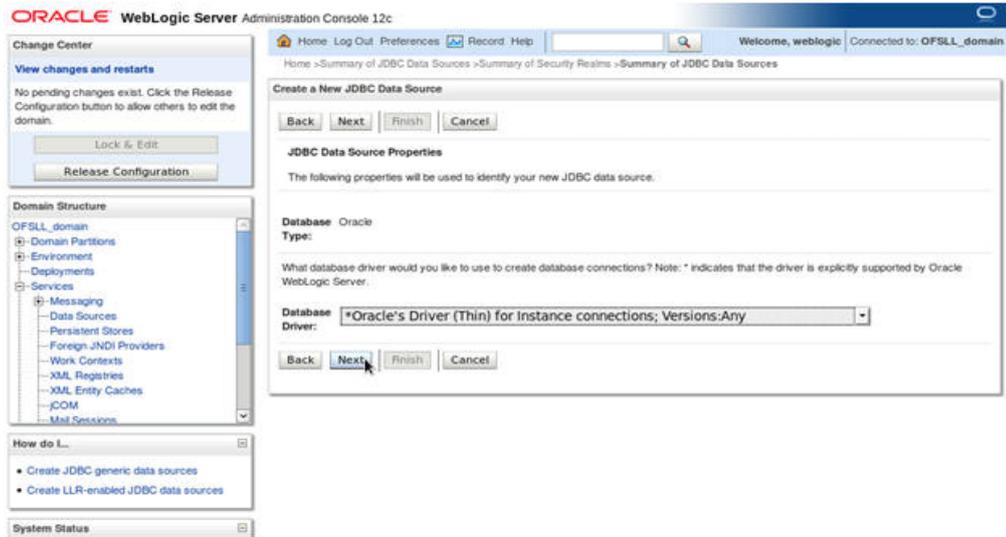
What database type would you like to select?

Database Type: Oracle

Back Next Finish Cancel

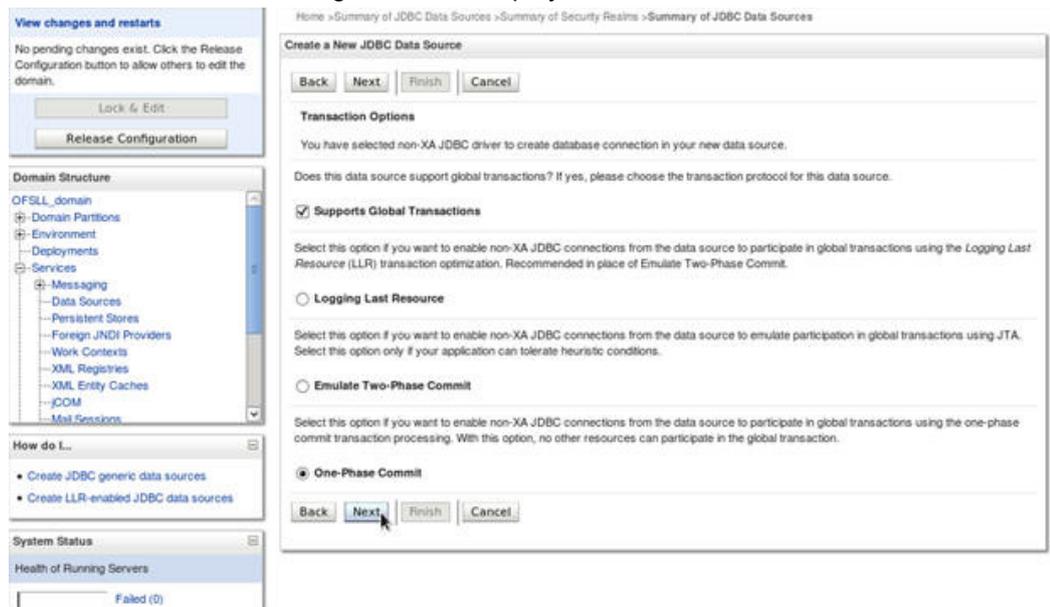
6. Enter Data source 'Name', JNDI Name as 'jdbc/ofsllDBConnDS' and select 'Oracle' as Database Type.

7. Click 'Next'. The following window is displayed.



8. Select the Database Driver 'Oracle's Driver(Thin) for Instance connections; Versions:Any' as shown above.

9. Click 'Next'. The following window is displayed.



10. Click 'Next'. The following window is displayed.

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:

Back Next Finish Cancel

11. Enter Database details click 'Next'. The following window is displayed.

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources > Summary of Security Realms > Summary of JDBC Data Sources

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:

12. Click 'Test Configuration'. The following window is displayed.

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:@ofssl.in.oracle.com:1521:OFSSLDB

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

Database User Name: OFSSL143

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=OFSSL143

13. Displays confirmation message as 'Connection test succeeded'. Click 'Next'. The following window is displayed.

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources > Summary of Security Realms > Summary of JDBC Data Sources

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 source will be created but not deployed. You will need to deploy the data source at a later time.

Servers

- AdminServer
- OFSSL_ManagedServer

Back | Next | Finish | Cancel

Change Center
View changes and restarts
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
Lock & Edit
Release Configuration

Domain Structure
OFSSL_domain
- Domain Partitions
- Environment
- Deployments
- Services
- Messaging
- Data Sources
- Persistent Stores
- Foreign JNDI Providers
- Work Contexts
- XML Registries
- XML Entity Caches
- JCOM
- Mail Sessions

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

System Status

14. Select target Servers 'AdminServer' and 'ManagedServer' and click 'Finish'. The following window is displayed.



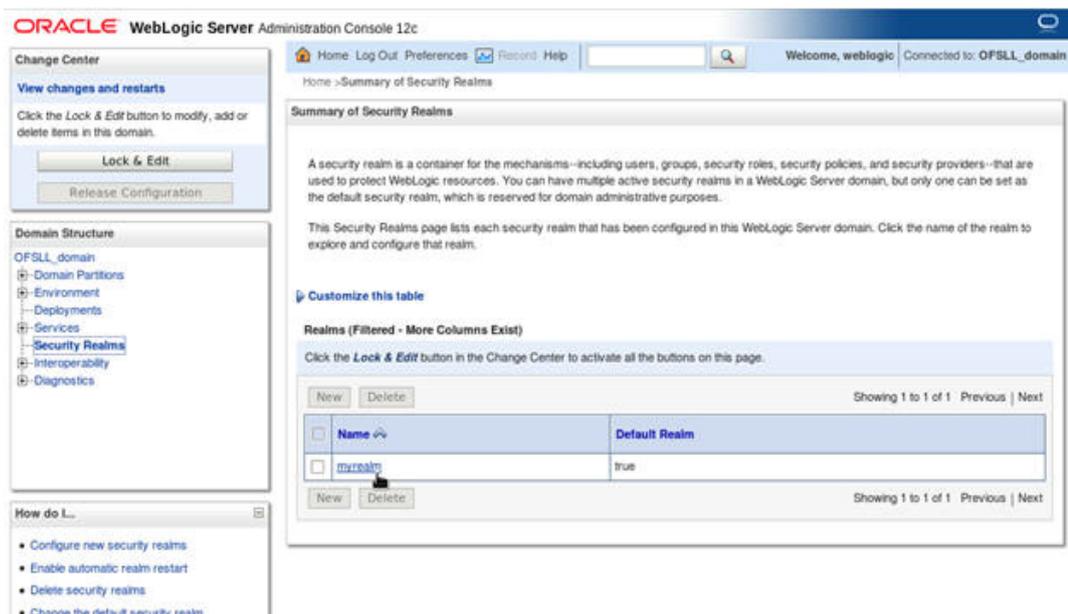
15. Click 'Activate Changes' on the left panel.

Update the following parameters in JDBC data source connection pool:

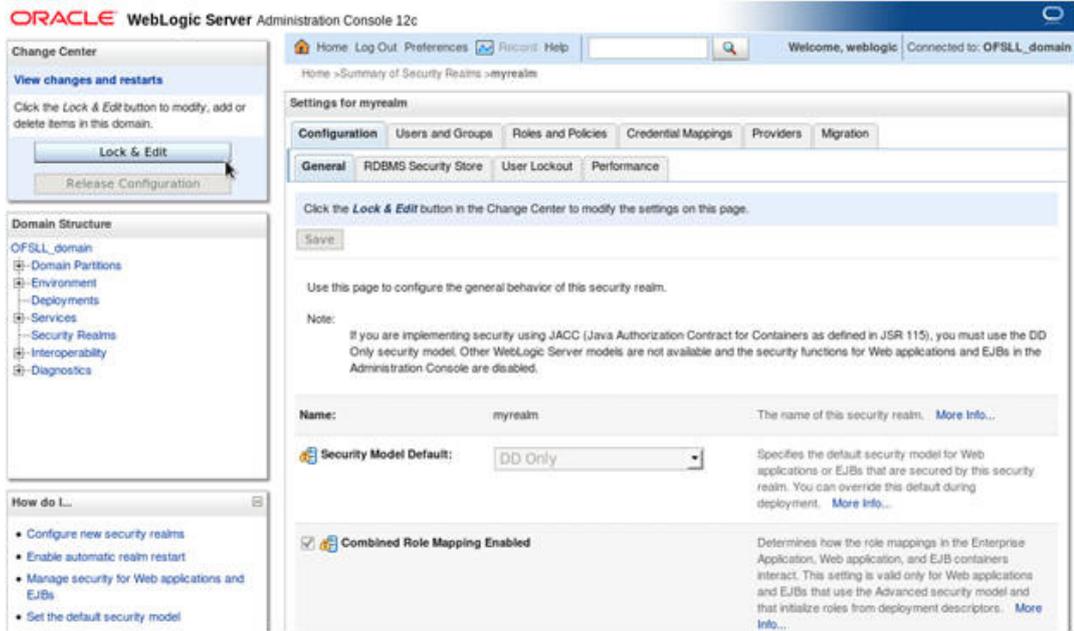
1. Select Services > Data Sources > select the OFSLL data source > Connection Pool.
2. Initial capacity and Maximum capacity is defaulted to 15, if the number of concurrent users are more this needs to be increased.
3. Click Advanced button and update the following:
 - Inactive Connection Timeout=900
 - Uncheck the 'Wrap Data Types' parameter for better performance.
4. Click 'Save'.

3.5 Creating SQL Authentication Provider

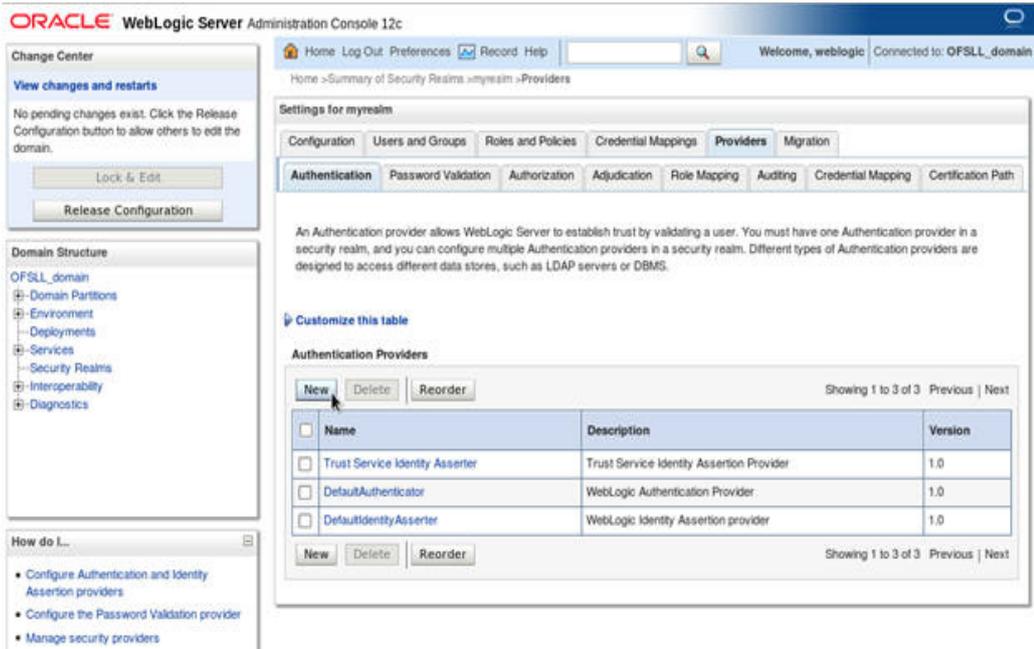
1. Login to WebLogic server administration console and click 'Security Realms' in left panel. The following window is displayed.



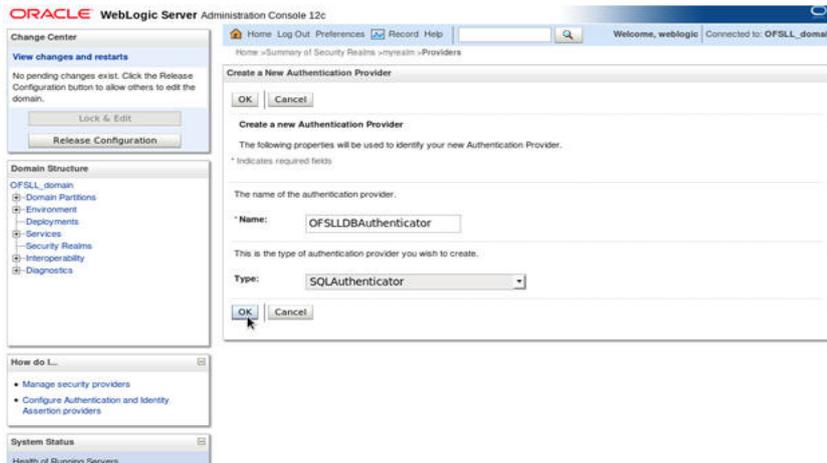
2. Click 'myrealm' on right panel. The following window is displayed.



3. Click on Providers tab. The following window is displayed.



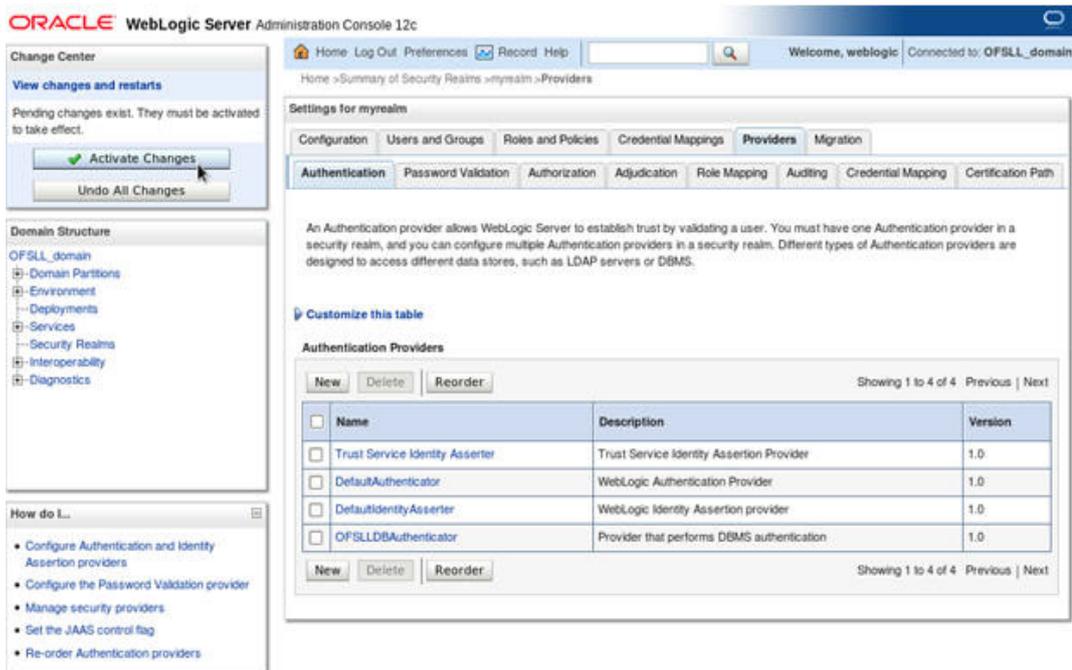
- Click 'Lock & Edit' to unlock the screen and click 'New' button in Authentication Providers sub tab. The following window is displayed.



- Create Authentication provider with following values:

- Name: OFSLDDBAuthenticator
- Type: SQLAuthenticator

- Click 'OK'. The following window is displayed.



7. Click on 'Activate Changes'. The following window is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console 12c interface. On the left, the 'Change Center' panel displays 'View changes and restarts' and a message: 'Pending changes exist. They must be activated to take effect.' Below this, there is a green 'Activate Changes' button and an 'Undo All Changes' button. The 'Domain Structure' panel shows a tree view with 'OFSLL_domain' expanded to 'Security Realms'. The 'How do I...' panel lists tasks like 'Configure Authentication and Identity Assertion providers' and 'Configure the Password Validation provider'. The main content area is titled 'Settings for myrealm' and includes tabs for 'Configuration', 'Users and Groups', 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. Under the 'Providers' tab, there are sub-tabs for 'Authentication', 'Password Validation', 'Authorization', 'Adjudication', 'Role Mapping', 'Auditing', 'Credential Mapping', and 'Certification Path'. A text block explains that an authentication provider allows WebLogic Server to establish trust by validating a user. Below this, there is a 'Customize this table' link and a table titled 'Authentication Providers'. The table has columns for 'Name', 'Description', and 'Version'. It lists four providers: 'OFSLLDBAuthenticator', 'DefaultAuthenticator', 'DefaultIdentity Asserter', and 'Trust Service Identity Asserter', all with version 1.0. At the bottom of the table, there are 'New', 'Delete', and 'Reorder' buttons and a status 'Showing 1 to 4 of 4 Previous | Next'.

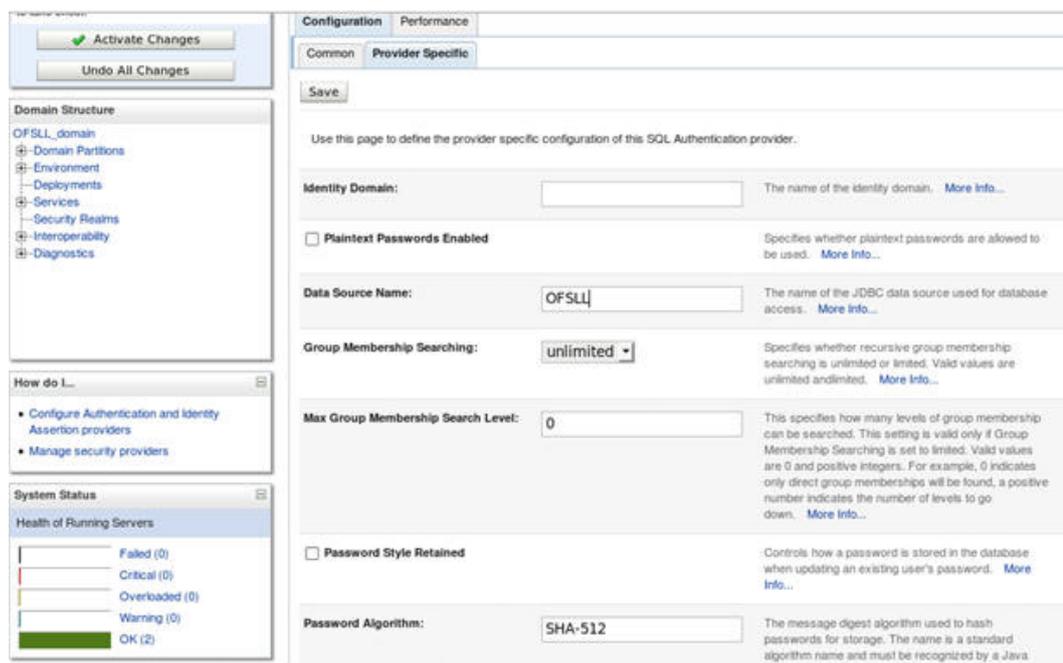
Authentication order should be maintained as mentioned in the above screen. 'OFSLLDBAuthenticator' will be displayed as above.

8. Click on 'OFSLLDBAuthenticator'. The following window is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console 12c interface for the 'OFSLLDBAuthenticator' provider configuration. The 'Change Center' panel shows 'View changes and restarts' and a message: 'No pending changes exist. Click the Release Configuration button to allow others to edit the domain.' Below this, there are 'Lock & Edit' and 'Release Configuration' buttons. The 'Domain Structure' panel shows the tree view with 'OFSLL_domain' expanded to 'Security Realms'. The 'How do I...' panel lists tasks like 'Configure Authentication and Identity Assertion providers', 'Set the JAAS control flag', 'Configure the Password Validation provider', and 'Manage security providers'. The main content area is titled 'Settings for OFSLLDBAuthenticator' and includes tabs for 'Configuration' and 'Performance'. Under the 'Configuration' tab, there are sub-tabs for 'Common' and 'Provider Specific'. A 'Save' button is visible. A text block explains that the page displays basic information about the SQL Authentication provider and allows setting the JAAS Control Flag. Below this, there is a table with fields: 'Name' (OFSLLDBAuthenticator), 'Description' (Provider that performs DBMS authentication), 'Version' (1.0), and 'Control Flag' (SUFFICIENT). Each field has a 'More Info...' link. At the bottom, there is a 'Save' button.

9. Select 'SUFFICIENT' as the Control Flag and click 'Save'.

10. Click Provider Specific sub tab under Configuration tab. The following window is displayed.



11. Specify the following values in corresponding fields:

- Data Source Name: OFSLL
- Password Style Retained: Uncheck
- Password Algorithm: SHA-512
- Password Style: SALTEDHASHED
- Provide the SQL Queries from the column Corresponding SQL Queries as per OFSLL Tables as given below.

Operation	Default SQL Query from Weblogic	Corresponding SQL Queries as per our Tables
SQL Get Users Password:	SELECT U_PASS- WORD FROM USERS WHERE U_NAME = ?	SELECT UAU_USR_PASSWORD FROM USER_AUTHORISATIONS WHERE UAU_USR_CODE = ?
SQL Set User Password:	UPDATE USERS SET U_PASSWORD = ? WHERE U_NAME = ?	UPDATE USER_AUTHORISATIONS SET UAU_USR_PASSWORD = ? WHERE UAU_USR_CODE = ?
SQL User Exists:	SELECT U_NAME FROM USERS WHERE U_NAME = ?	SELECT UAU_USR_CODE FROM USER_AUTHORISATIONS WHERE UAU_USR_CODE = ?
SQL List Users:	SELECT U_NAME FROM USERS WHERE U_NAME LIKE ?	SELECT UAU_USR_CODE FROM USER_AUTHORISATIONS WHERE UAU_USR_CODE LIKE ?
SQL Create User:	INSERT INTO USERS VALUES (? , ? , ?)	INSERT INTO USER_AUTHORISA- TIONS(UAU_USR_CODE, UAU_USR_- PASSWORD,UAU_DESC) VALUES(?,?,?)

Operation	Default SQL Query from Webllogic	Corresponding SQL Queries as per our Tables
SQL Remove User:	DELETE FROM USERS WHERE U_NAME = ?	DELETE FROM USER_AUTHORISATIONS WHERE UAU_USR_CODE= ?
SQL List Groups:	SELECT G_NAME FROM GROUPS WHERE G_NAME LIKE ?	SELECT UGR_GROUP_CODE FROM USER_GROUPS WHERE UGR_GROUP_CODE LIKE ?
SQL Group Exists:	SELECT G_NAME FROM GROUPS WHERE G_NAME = ?	SELECT UGR_GROUP_CODE FROM USER_GROUPS WHERE UGR_GROUP_CODE = ?
SQL Create Group:	INSERT INTO GROUPS VALUES (?, ?)	INSERT INTO USER_GROUPS(UGR_GROUP_CODE,U GR_GROUP_DESC) VALUES(?,?)
SQL Remove Group:	DELETE FROM GROUPS WHERE G_NAME = ?	DELETE FROM USER_GROUPS WHERE UGR_GROUP_CODE = ?
SQL Is Member:	SELECT G_MEMBER FROM GROUPEMEMBERS WHERE G_NAME = ? AND G_MEMBER = ?	SELECT UGM_MEMBER_USR_CODE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_GROUP_CODE= ? AND UGM_MEMBER_USR_CODE = ?
SQL List Member Groups:	SELECT G_NAME FROM GROUPEMEMBERS WHERE G_MEMBER = ?	SELECT UGM_MEMBER_GROUP_CODE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_USR_CODE= ?
SQL List Group Members:	SELECT G_MEMBER FROM GROUPEMEMBERS WHERE G_NAME = ? AND G_MEMBER LIKE ?	SELECT UGM_MEMBER_USR_CODE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_GROUP_CODE= ? AND UGM_MEMBER_USR_CODE LIKE ?
SQL Remove Group Memberships:	DELETE FROM GROUPEMEMBERS WHERE G_MEMBER = ? OR G_NAME = ?	DELETE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_USR_CODE= ? OR UGM_MEMBER_GROUP_CODE= ?
SQL Add Member To Group:	INSERT INTO GROUPEMEMBERS VALUES(?, ?)	INSERT INTO USER_GROUP_MEMBERS (UGM_MEMBER_GROUP_CODE,UGM_MEMBER_USR_CODE) VALUES(?,?)
SQL Remove Member From Group:	DELETE FROM GROUPEMEMBERS WHERE G_NAME = ? AND G_MEMBER = ?	DELETE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_GROUP_CODE= ? AND UGM_MEMBER_USR_CODE= ?
SQL Remove Group Member:	DELETE FROM GROUPEMEMBERS WHERE G_NAME = ?	DELETE FROM USER_GROUP_MEMBERS WHERE UGM_MEMBER_GROUP_CODE= ?

Operation	Default SQL Query from Weblogic	Corresponding SQL Queries as per our Tables
SQL Get User Description:	SELECT U_DESCRIPTION FROM USERS WHERE U_NAME = ?	SELECT UAU_DESC FROM USER_AUTHORISATIONS WHERE UAU_USR_CODE = ?
SQL Set User Description:	UPDATE USERS SET U_DESCRIPTION = ? WHERE U_NAME = ?	UPDATE USER_AUTHORISATIONS SET UAU_DESC= ? WHERE UAU_USR_CODE= ?
SQL Get Group Description:	SELECT G_DESCRIPTION FROM GROUPS WHERE G_NAME = ?	SELECT UGR_GROUP_DESC FROM USER_GROUPS WHERE UGR_GROUP_CODE= ?
SQL Set Group Description:	UPDATE GROUPS SET G_DESCRIPTION = ? WHERE G_NAME = ?	UPDATE USER_GROUPS SET UGR_GROUP_DESC= ? WHERE UGR_GROUP_CODE= ?
Provider Name	OFSLLDBAuthenticator	

The screenshot shows the configuration page for 'SQL Remove Group Member'. It includes the following sections:

- SQL Remove Group Member:** Input field: MEMBER_GROUP_CODE= ?
- Descriptions Supported:** Checked checkbox.
- SQL Get User Description:** Input field: WHERE UAU_USR_CODE = ?
- SQL Set User Description:** Input field: WHERE UAU_USR_CODE= ?
- SQL Get Group Description:** Input field: WHERE UGR_GROUP_CODE= ?
- SQL Set Group Description:** Input field: WHERE UGR_GROUP_CODE= ?

A 'Save' button is located at the bottom left of the configuration area.

12. Click 'Save'.

Note

Application server needs to be restarted for these changes to take effect.

3.6 Creating User Groups and Users

3.6.1 Creating Users

Create an OFSLL application super user to login to the application.

A script is provided in the distribution media in the dba_utils folder to create an user.

Note

By default there are no users created to login to OFSLL application.

Run the script 'crt_app_user.sql script' as a OFSLL application owner user.

```
SQL*Plus: Release 12.1.0.2.0 Production on Thu Feb 4 12:47:05 2016
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: OFSLL143TEST1
Enter password:
Last Successful login time: Thu Feb 04 2016 12:02:37 +05:30

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing opt
ions

SQL> @/home/dev/Desktop/crt_app_user.sql;
Enter the name of the OFSLL App user Id you
Want to create user: DEMOSUPR
Enter the First Name for this user: DEMO
Enter the Last Name for this user: SUPR
Enter the Phone Number for this user: 9999777321
Enter the Fax Number for this user: 9999888321

1 row created.

1 row created.

1 row created.

SQL> █
```

1. Login into WebLogic server console.
2. Click 'Security Realms' on the left panel.
3. Click 'myrealm' on the right panel..

The screenshot shows the Oracle WebLogic Server Administration Console 12c interface. The main content area is titled 'Summary of Security Realms'. It contains a table with the following data:

Name	Default Realm
myrealm	true

The 'myrealm' entry is highlighted in blue. The interface also includes a 'Change Center' on the left with a 'Lock & Edit' button, and a 'How do I...' section at the bottom left with links to 'Configure new security realms', 'Enable automatic realm restart', 'Delete security realms', and 'Change the default security realm'.

4. Select 'Users' tab under Users and Groups.

- If SQLAuthenticator is configured as a Security Provider for the OFSLL application, the Users are automatically created in weblogic when created through an application.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Security Realms > myrealm > Users and Groups > Summary of Security Realms > myrealm > OFSLL_USER > myrealm > Users and Groups > DEMOSUPR > Users and Groups

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users **Groups**

This page displays information about each user that has been configured in this security realm.

Customize this table

Users (Filtered - More Columns Exist)

Name	Description	Provider
DEMOSUPR	DEMO SUPR	OFSLLDBAuthenticator
LCMUser	This is the default service account for WebLogic Server Lifecycle Manager configuration updates.	DefaultAuthenticator
OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
TESTUSER	TEST USER	OFSLLDBAuthenticator
weblogic	This user is the default administrator.	DefaultAuthenticator

3.6.2 Creating User Groups

- Select 'Groups' tab under Users and Groups.
- If SQLAuthenticator is configured as a Security Provider for the OFSLL application, the Groups are automatically created in weblogic when created through an application.

ORACLE WebLogic Server Administration Console 12c

Home > Users and Groups > Summary of Security Realms > myrealm > OFSLL_USER > myrealm > Users and Groups > DEMOSUPR > Users and Groups

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users **Groups**

This page displays information about each group that has been configured in this security realm.

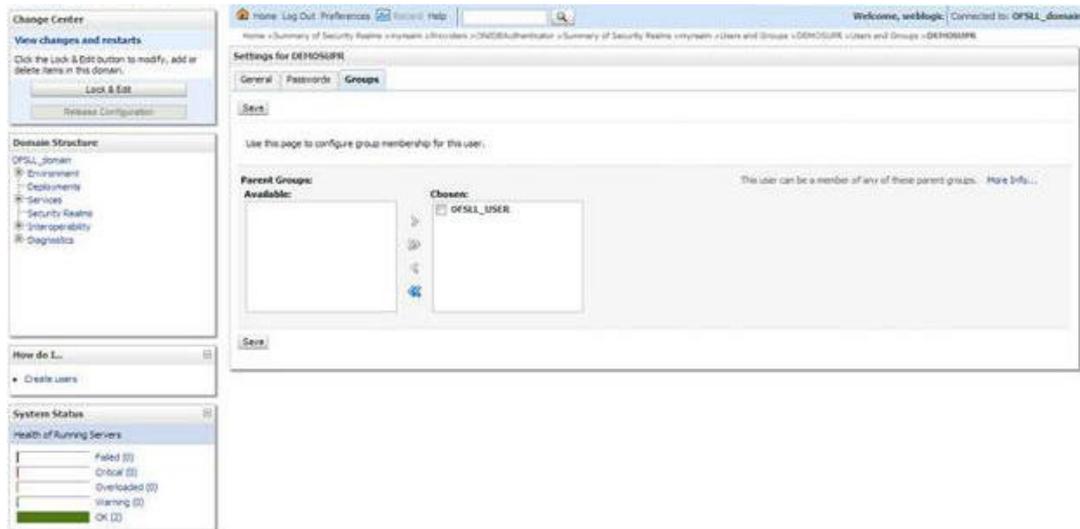
Customize this table

Groups

Name	Description	Provider
AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
AppTesters	AppTesters group.	DefaultAuthenticator
CrossDomainConnectors	CrossDomainConnectors can make inter-domain calls from foreign domains.	DefaultAuthenticator
Deployers	Deployers can view all resource attributes and deploy applications.	DefaultAuthenticator
Monitors	Monitors can view and modify all resource attributes and perform operations not restricted by roles.	DefaultAuthenticator
OFSLL_USER	OFSLL USER GROUP	OFSLLDBAuthenticator
Operators	Operators can view and modify all resource attributes and perform server lifecycle operations.	DefaultAuthenticator
OracleSystemGroup	Oracle application software system group.	DefaultAuthenticator

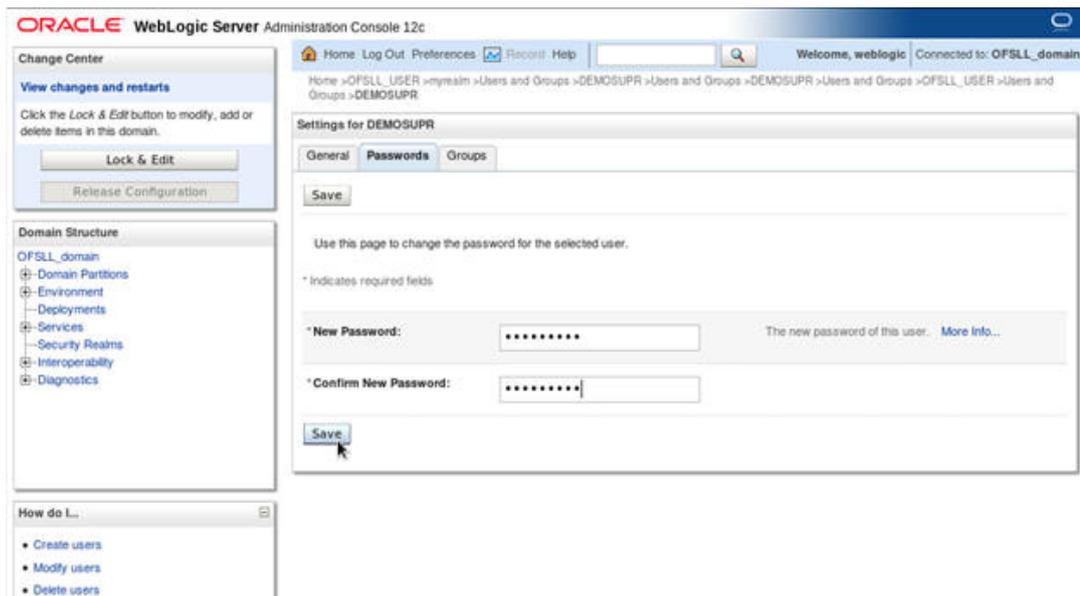
3.6.3 Assigning Users to Groups

The USERS are automatically mapped to default application group - OFSLL_USER.

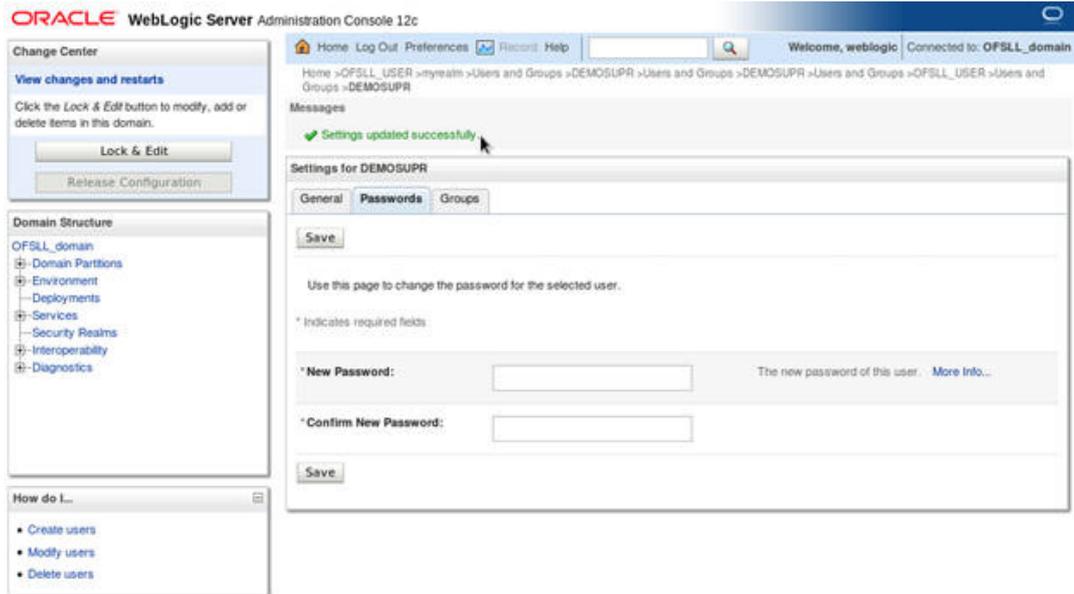


3.6.4 Resetting password via weblogic console

1. Click on 'User'. Select Passwords tab and enter new password and confirm password.



2. Click 'Save'. The following window displayed.



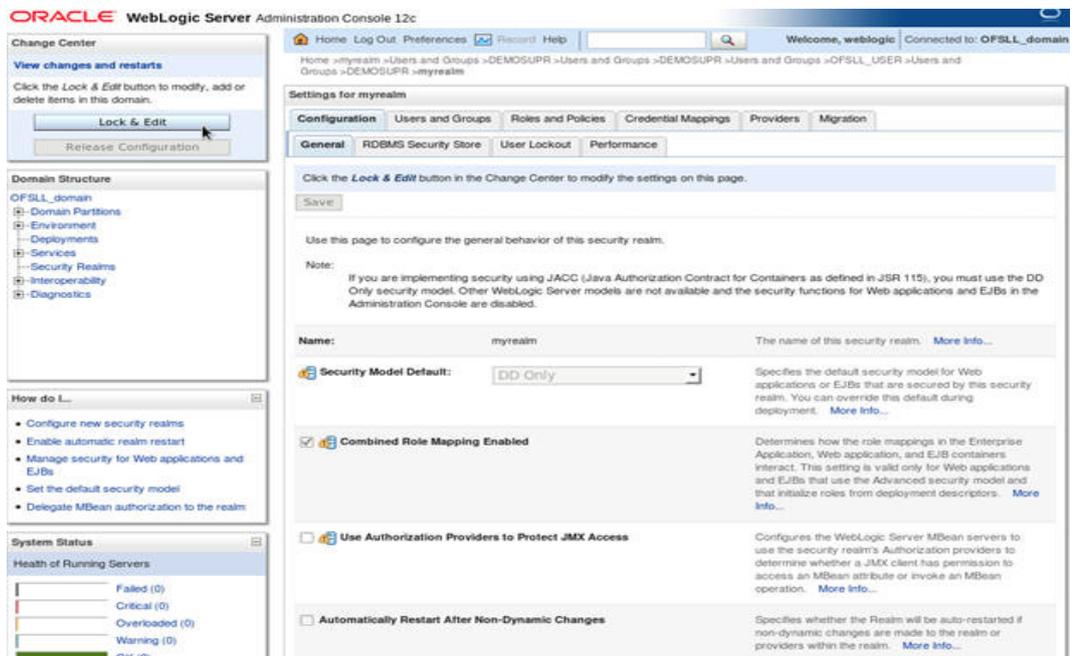
3.7 Implementing JMX Policy for Change Password

1. Login to Oracle WebLogic Server 12c console (<http://hostname:port/console>)

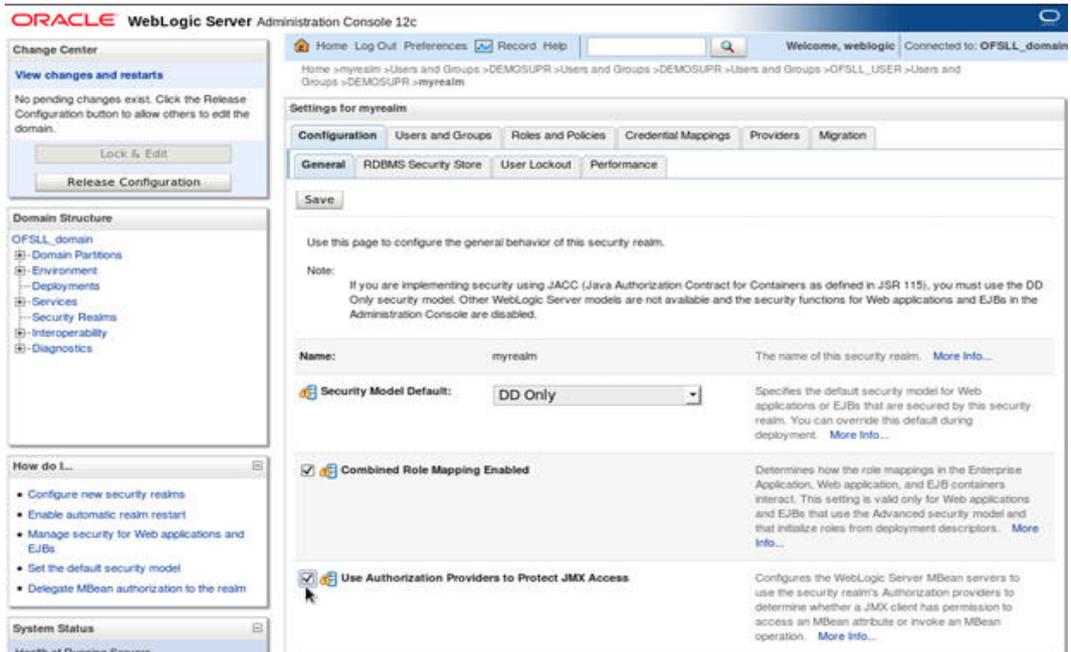
Note

The Change Password feature uses the JMX Policy configured on the domain. Hence, the AdminServer is required to be up and running to enable this.

2. Click **Domain > Security > myrealm > Configuration**



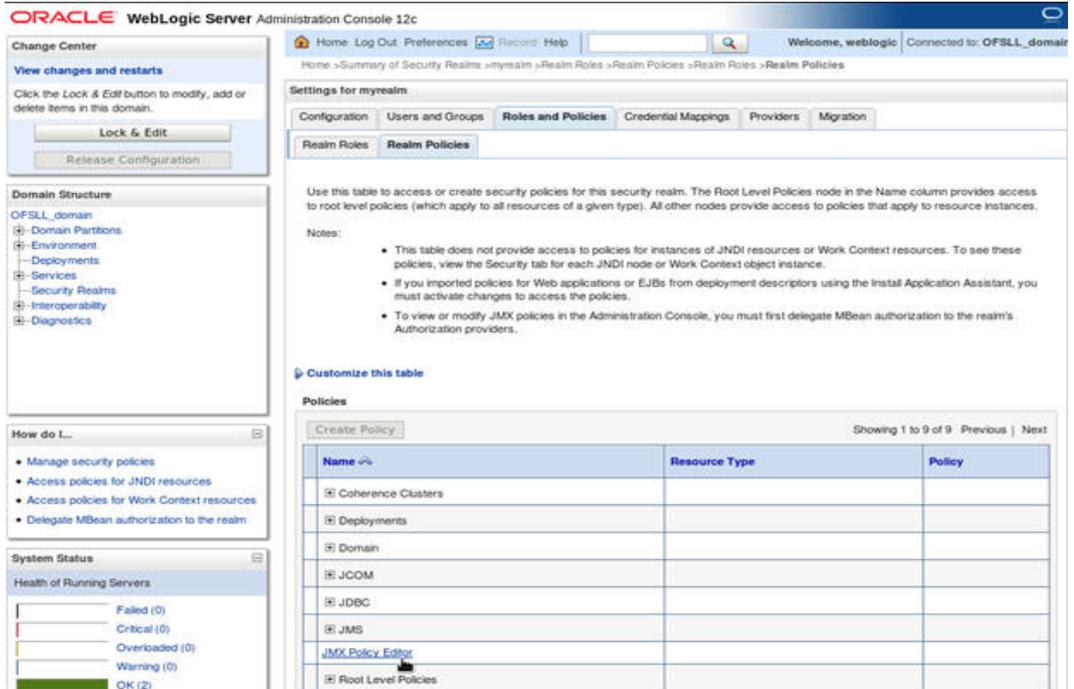
- To enable JMX policy select the 'Use Authorization Providers to Protect JMX Access' check box on the right panel



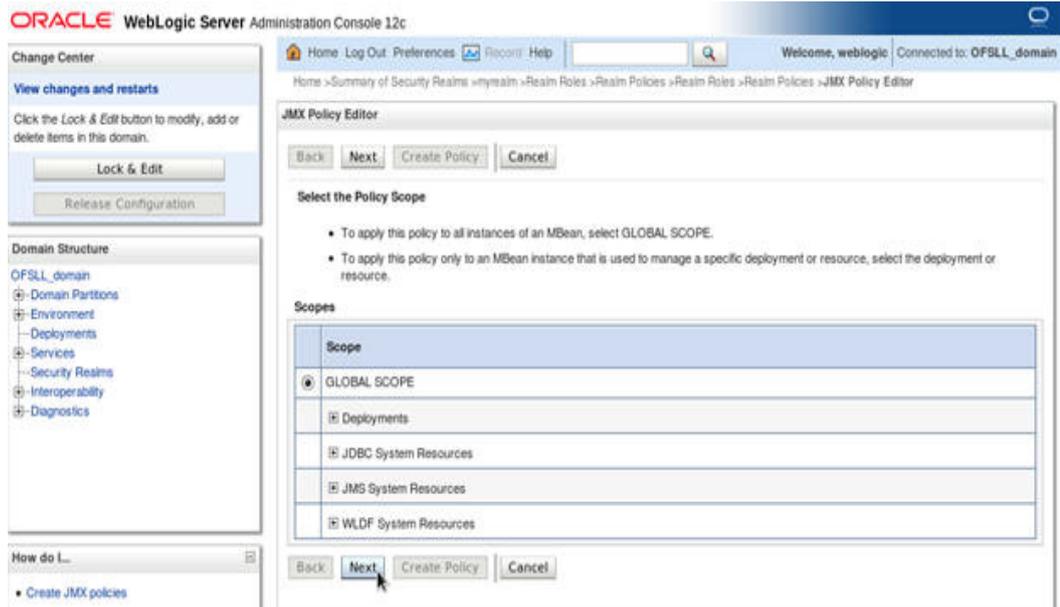
- Click 'Save' and restart the server.
- Re-login to console.
- Click Domain > Security > myrealm > Roles and Policies > Realm Policies

Note

If server is not restarted, JMX Policy Editor option will not appear



7. Click on JMX Policy Editor to configure

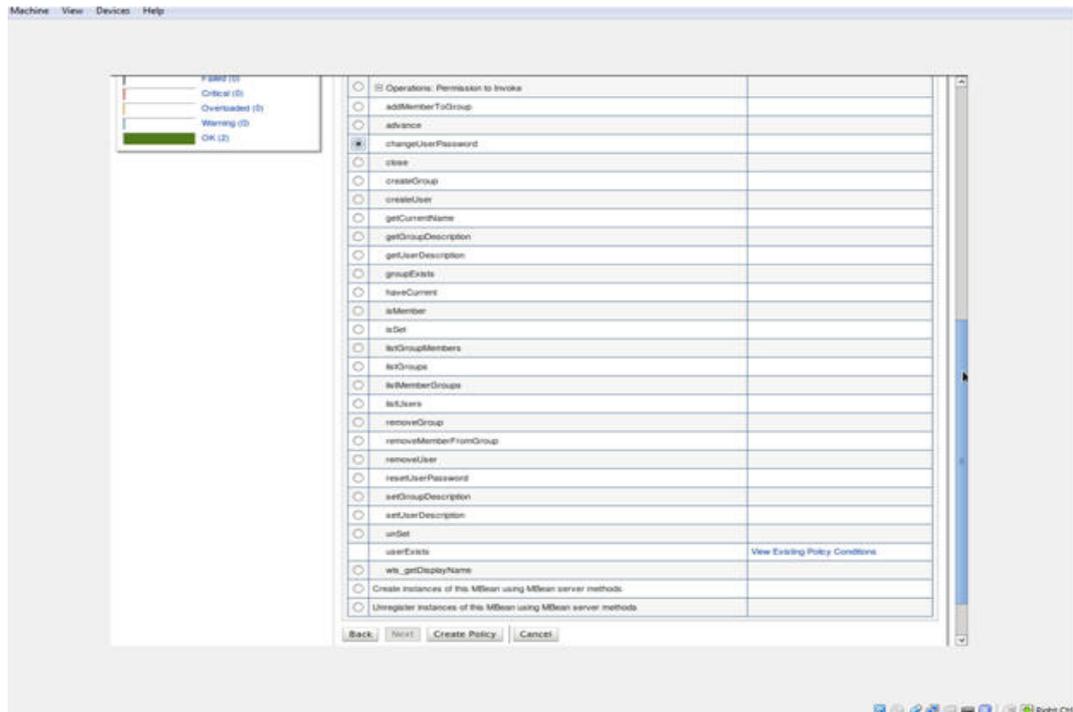


8. Select 'GLOBAL SCOPE' and click 'Next'.



9. Select weblogic.security.providers.authentication.

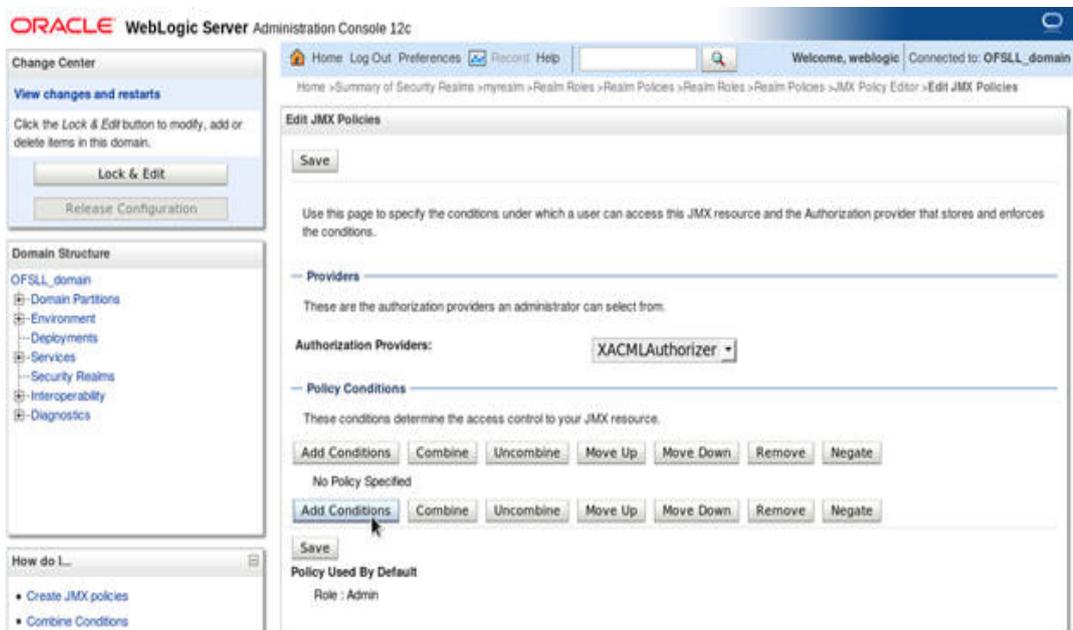
10. Select 'SQLAuthenticatorMBean'. Click 'Next'.



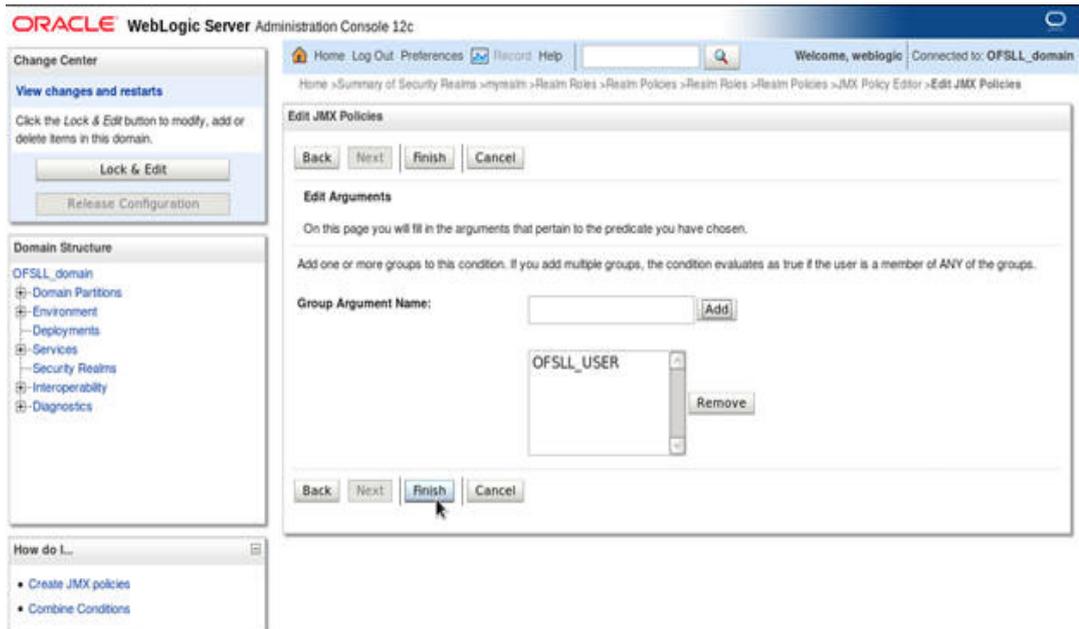
11. Expand 'Operations: Permissions to Invoke' and select 'ChangeUserPassword'.

12. Click 'Create Policy'. The following window is displayed for Authorization providers where you can add conditions to setup the policy.

13. Click 'Add Condition'. The below screen will be displayed.

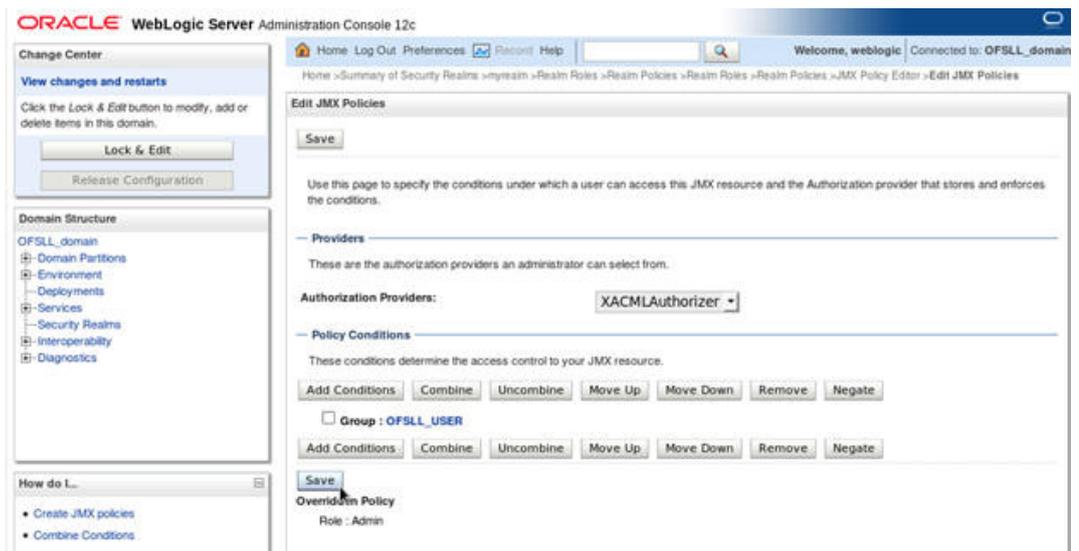


14. For Predicate List, select Group for configuration. Click 'Next'.



15. Select user roles for application.

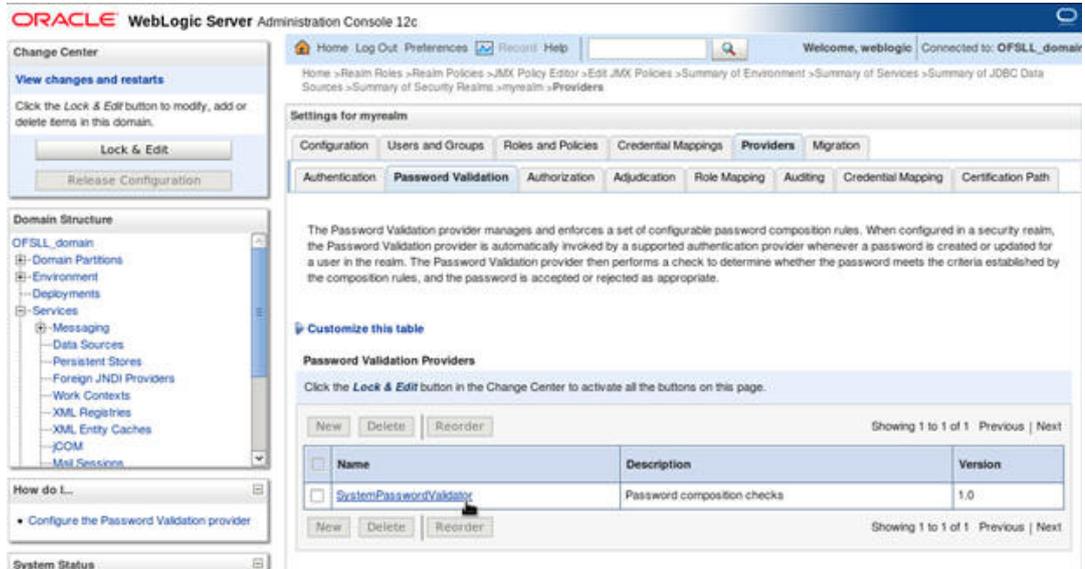
16. Click 'Finish'. Click 'Save' to complete the configuration. The following window will be displayed.



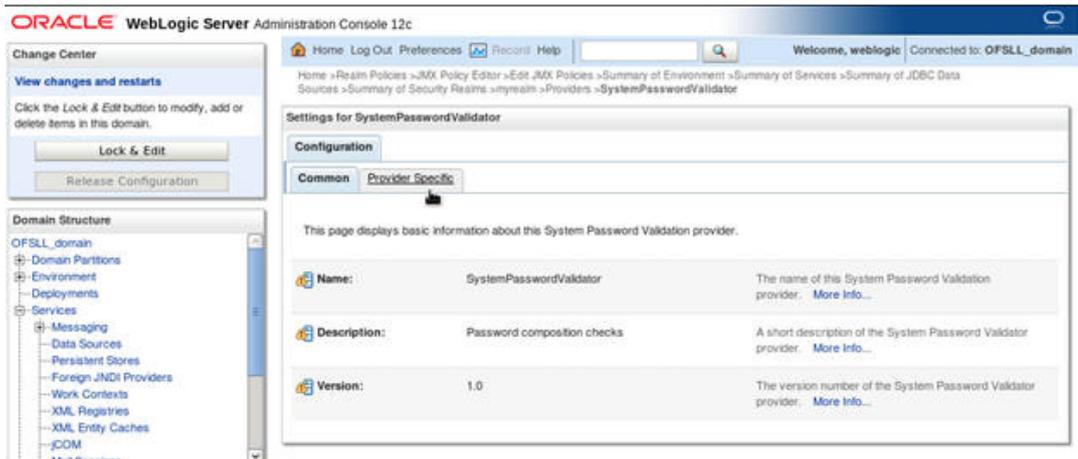
4. Configuring Policies

4.1 Configuring Password Policy for SQL Authenticator

1. Login to the WebLogic server administration console with user login credentials.
2. Browse to Security Realms > myrealm > Providers > Password Validation as shown below. The following window is displayed



3. Click 'SystemPasswordValidator' link. The following window is displayed.



4. Click **Provider Specific** Tab.

- Configure the password policy as per the requirement. An example is provided in the following window.

- Click 'Save'.

4.2 Configuring User Lockout Policy

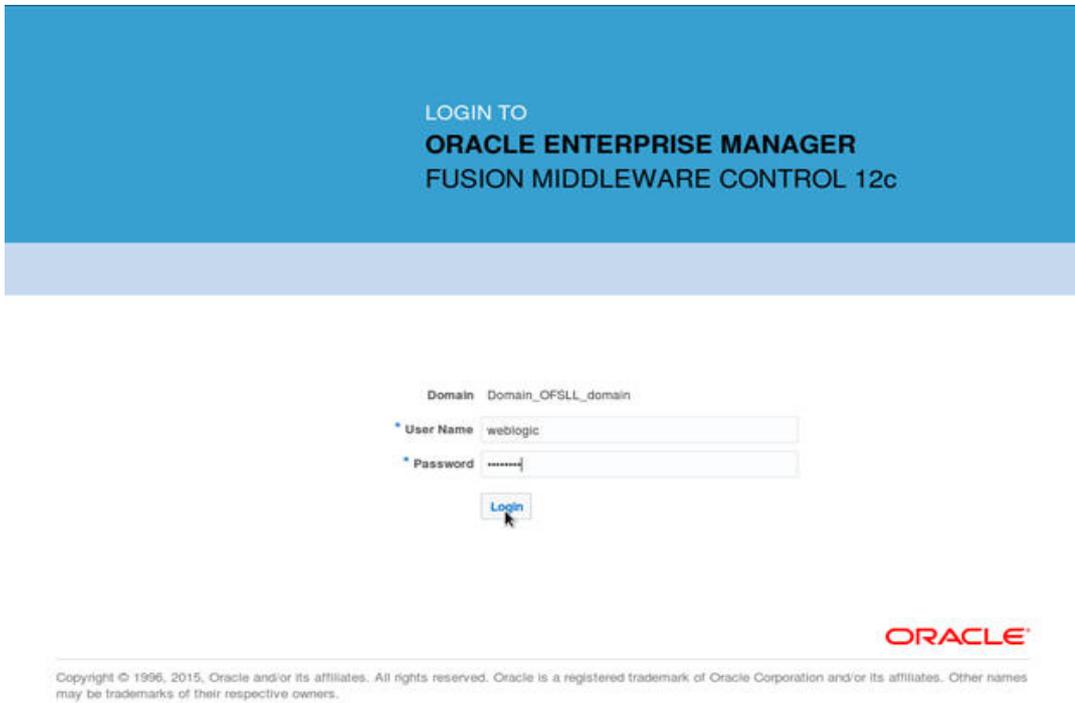
- To Change User lockout policy, browse to **Security Realms > myrealm > Configuration Tab > User Lockout Tab**. The following window is displayed

- Configure the User Lockout details as per the requirement. An example is provided above.

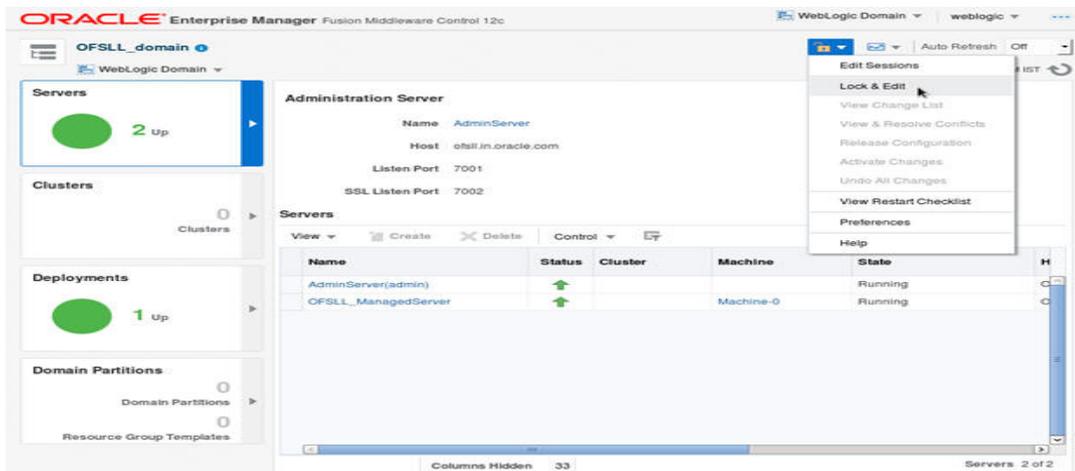
5. Deploying Application

5.1 Deploying Application

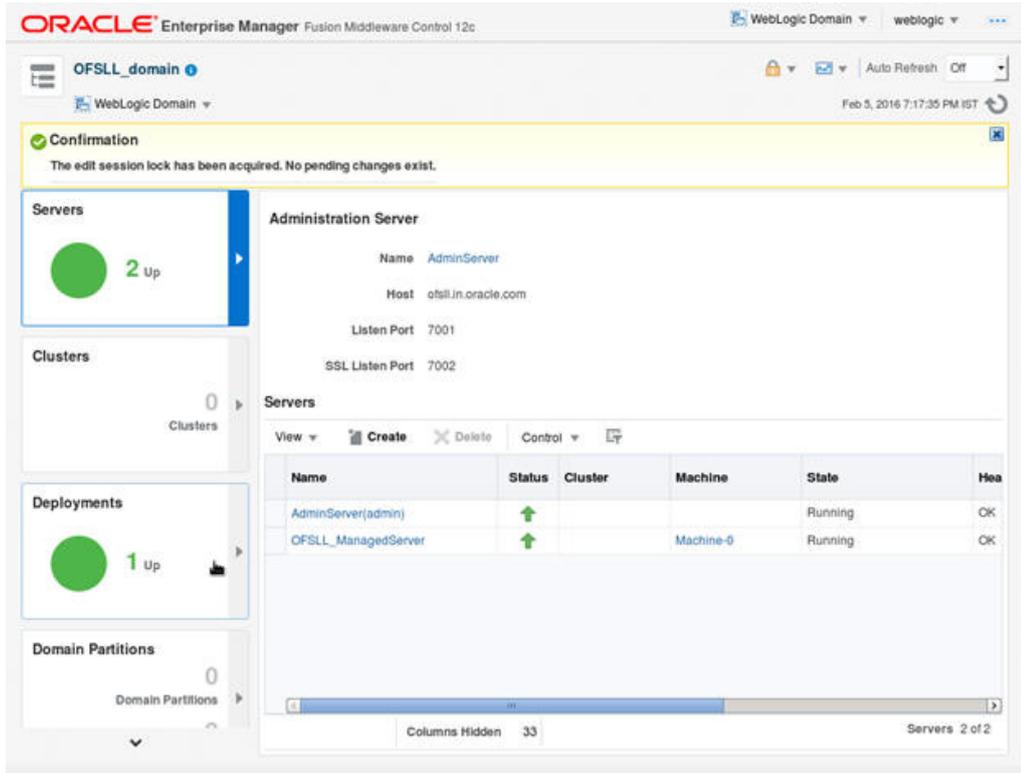
1. Login to the Oracle Enterprise Manager 12c console . (i.e. <http://hostname:port/em>)



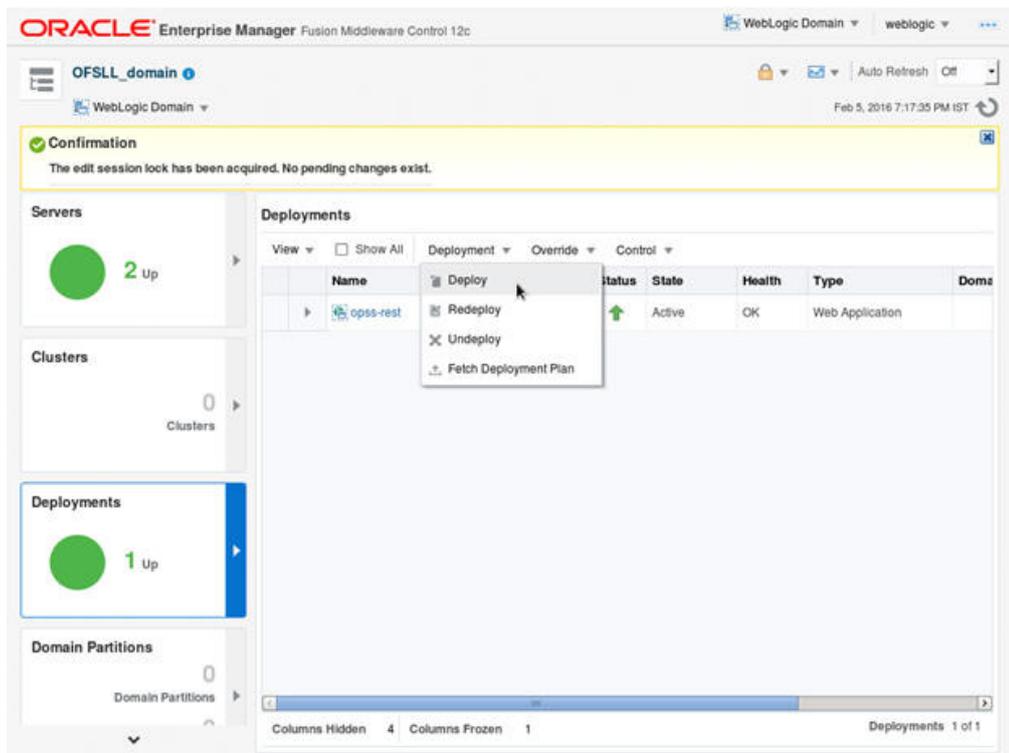
2. Click on 'Lock and Edit' as shown below.



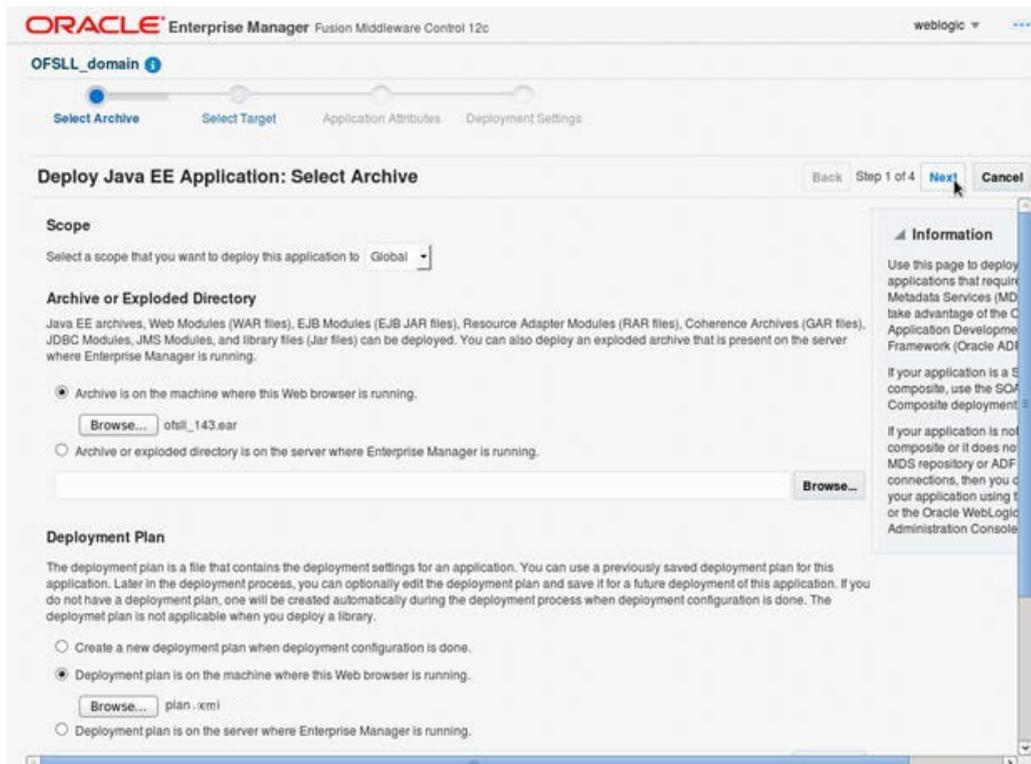
3. The following window is displayed.



4. Click on Deployments in the left panel. To deploy go to Deployments option in the menu as shown below.



5. Click 'Choose File' button and select OFSLL application archive file i.e. ofssl_143.ear. Choose the 'Deployment Plan' (if any).



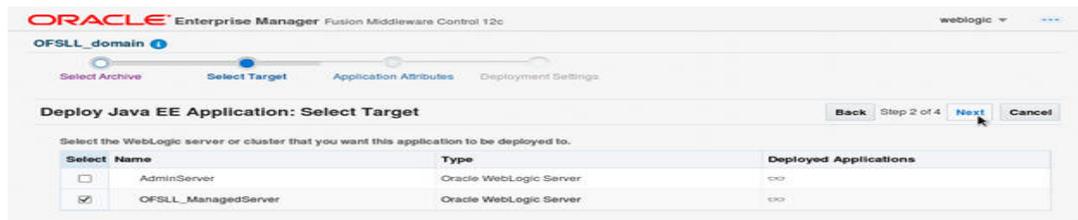
Note

A deployment plan can be used to easily change an application's WebLogic Server configuration for a specific environment without modifying existing deployment descriptors.

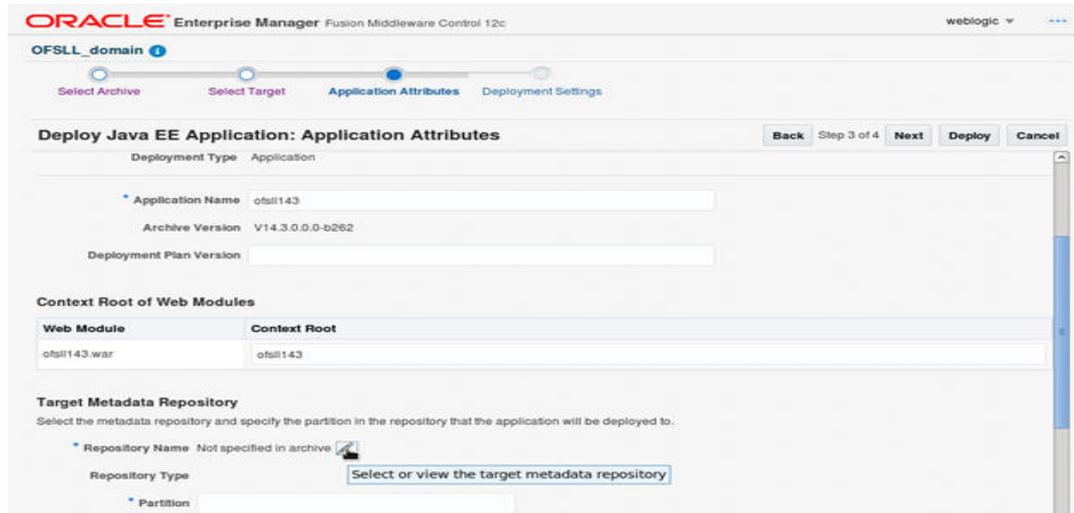
Sample plan.xml

```
<deployment-plan xmlns="http://xmlns.oracle.com/weblogic/deployment-plan"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://xmlns.oracle.com/weblogic/deployment-pla
http://xmlns.oracle.com/weblogic/deployment-plan/1.0/deployment-plan.xsd">
  <application-name>ofsl1_143</application-name>
  <variable-definition
  <variable>
    <name>NewSessionValue</name>
    <value>30</value>
  </variable>
  <variable>
    <name>ofsl1_DS_JNDIName</name>
    <value>jdbc/ofsl1DBConnDS</value>
  </variable>
</variable-definition>
<module-override>
<module-name>ofsl1143.war</module-name>
<module-type>war</module-type>
<module-descriptor external="false">
  <root-element>weblogic-web-app</root-element>
  <uri>WEB-INF/weblogic.xml</uri>
  <variable-assignment>
    <name>ofsl1_DS_JNDIName</name>
    <xpath>/weblogic-web-app/resource-description/[res-ref-name="jdbc/ofsl1DBConnDS"]/jndi-name</xpath>
    <origin>planbased</origin>
  </variable-assignment>
</module-descriptor>
<module-descriptor external="false">
  <root-element>web-app</root-element>
  <uri>WEB-INF/web.xml</uri>
  <variable-assignment>
    <name>NewSessionValue</name>
    <xpath>/web-app/session-config/session-timeout</xpath>
  </variable-assignment>
</module-descriptor>
</module-override>
<config-root>D:\temp</config-root>
</deployment-plan>
```

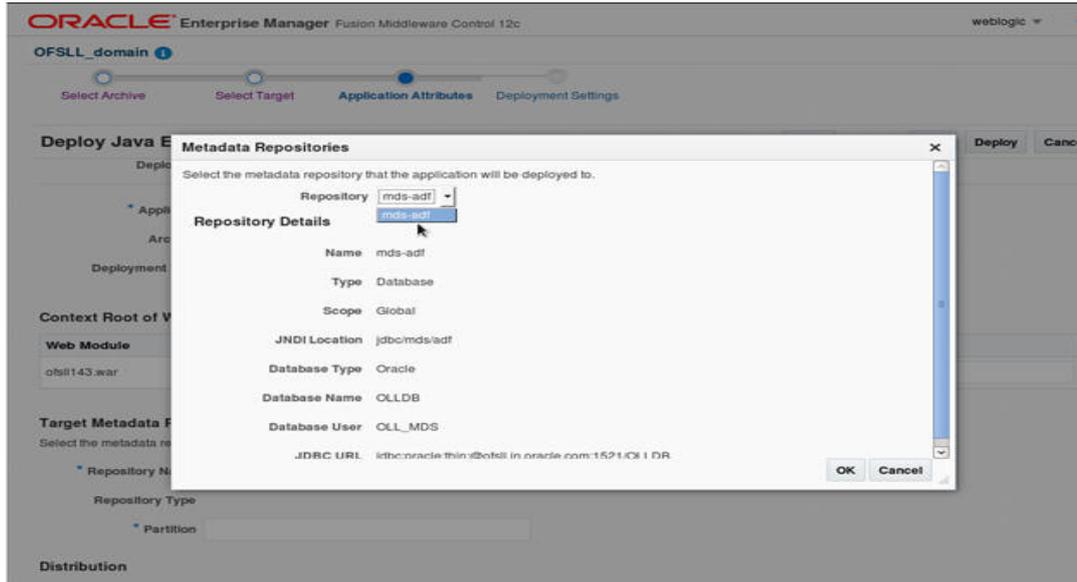
6. Click 'Next'. The following window is displayed.



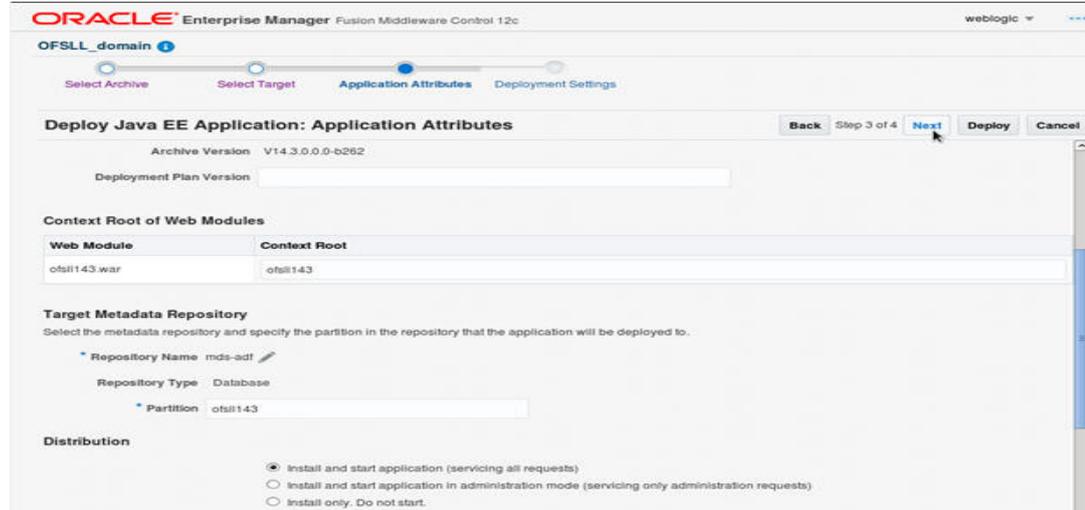
7. Check target server as per the requirement 'OFSLL_ManagedServer' and click 'Next'. The following window is displayed.



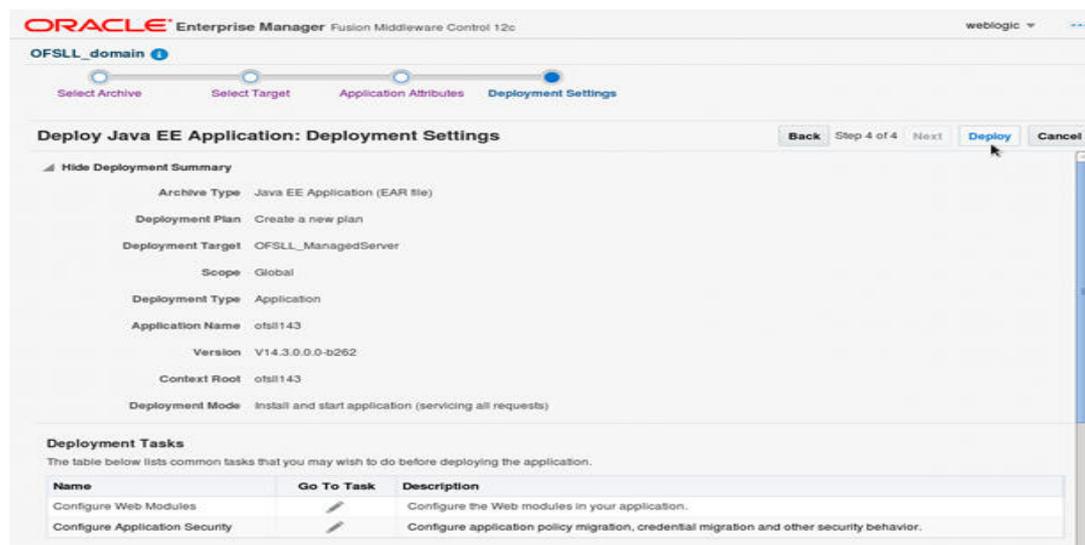
8. Click  button to select Repository Name. The following window is displayed.



9. Select Repository as per requirement and click 'OK'.



10. Enter Partition name as per the requirement and click 'Next'.



11. Click 'Deploy'. The following window is displayed



12. Click Close once the message 'Deploy operation completed' is displayed.

6. Enabling SSL

The application is accessible only via https protocol; hence, after the deployment of the application, you need to enable SSL.

To enable SSL

1. Login to console.
2. \$Domain_Home > Servers > Manage Servers > Configuration > General. The below screen is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area displays the 'Settings for OFSSL_ManagedServer' page, specifically the 'General' tab. The 'SSL Listen Port Enabled' checkbox is checked, and the 'SSL Listen Port' is set to 7002. The 'Listen Port' is set to 7003. The 'Machine' is set to Machine-0 and the 'Cluster' is set to (Stand-Alone). The 'Name' is OFSSL_ManagedServer. The 'Template' is (No value specified). The 'Listen Address' is empty. The 'SSL Listen Port' is 7002. The 'Listen Port' is 7003. The 'Machine' is Machine-0. The 'Cluster' is (Stand-Alone). The 'Name' is OFSSL_ManagedServer. The 'Template' is (No value specified). The 'Listen Address' is empty. The 'SSL Listen Port Enabled' checkbox is checked. The 'Listen Port' is 7003. The 'SSL Listen Port' is 7002.

3. Check the 'SSL Listen Port Enabled' check box.
4. Specify the port for 'SSL Listen Port'.

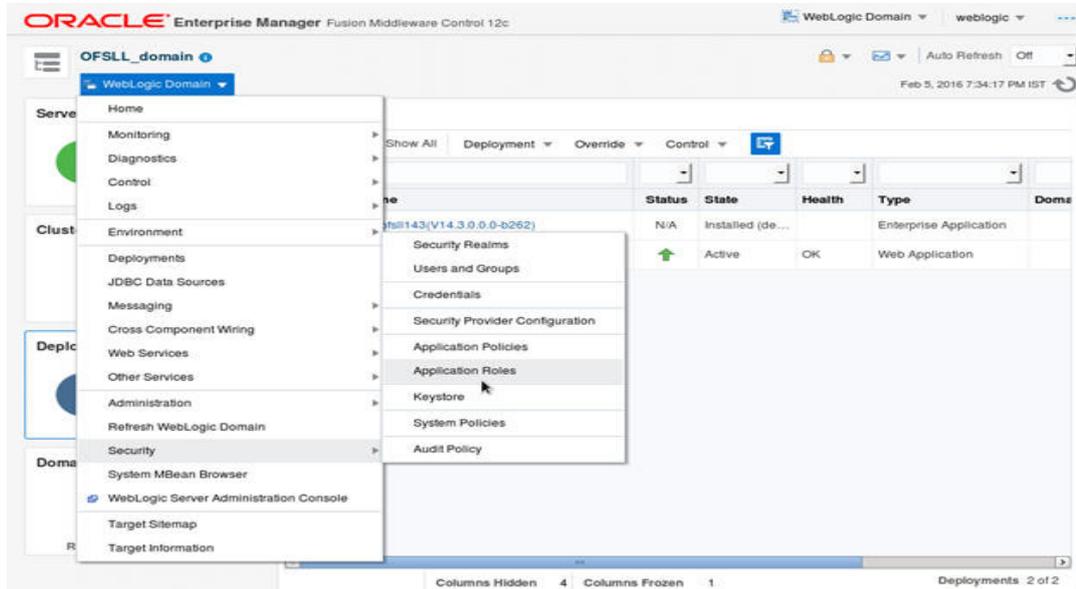
Note

It is recommended to disable http protocol.

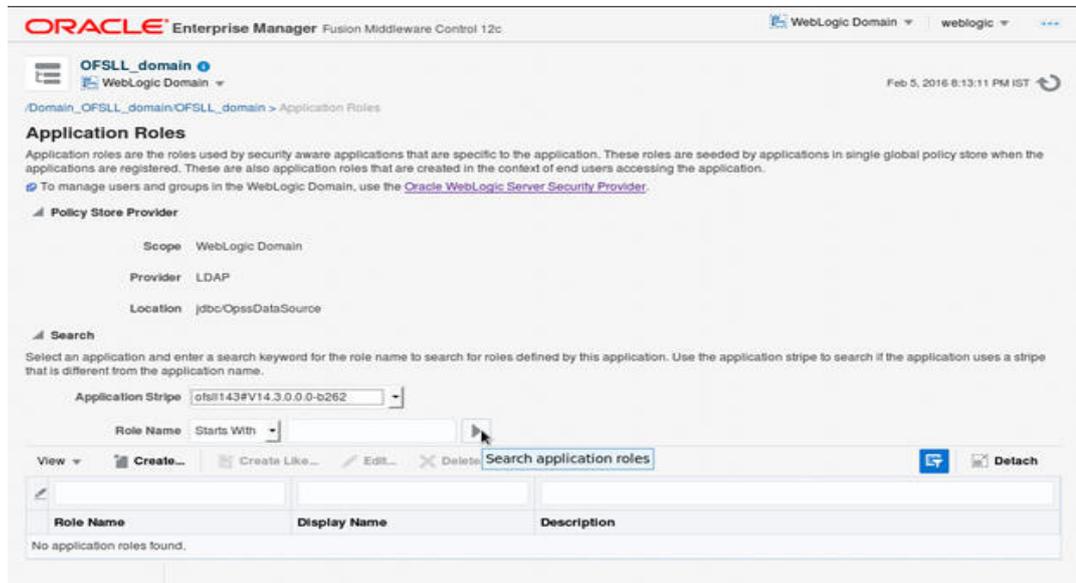
7. Mapping Enterprise Group with Application Role

Follow the below steps to add a user to the group

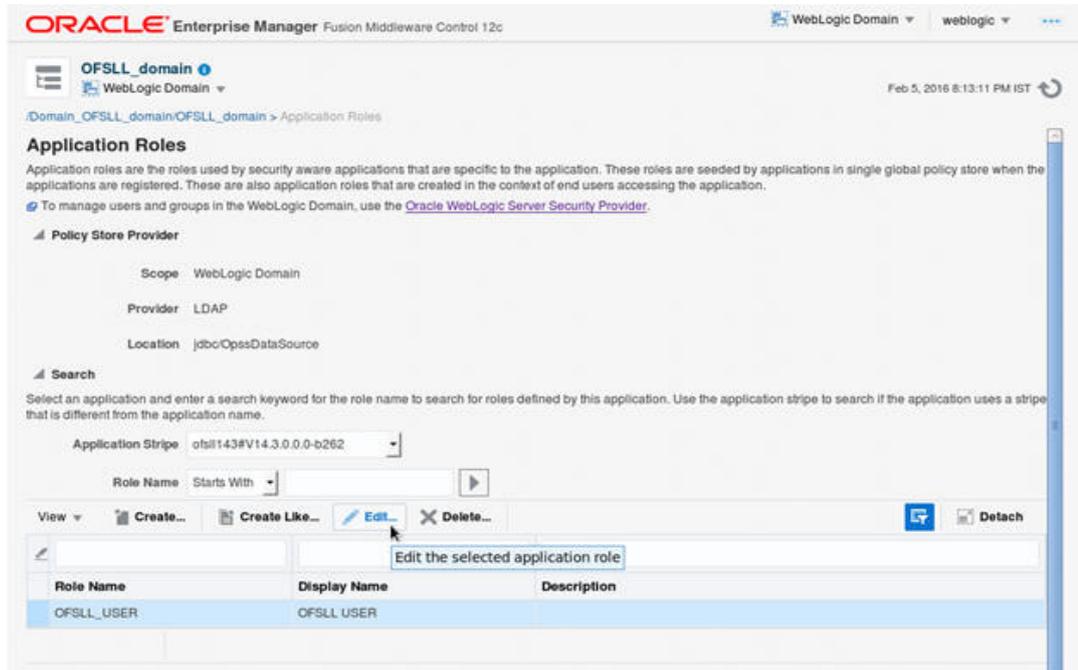
1. Login to Oracle Enterprise Manager 12c console (<http://hostname:port/em>).
2. Click WebLogic Domain > Security > Application Roles on the right panel.



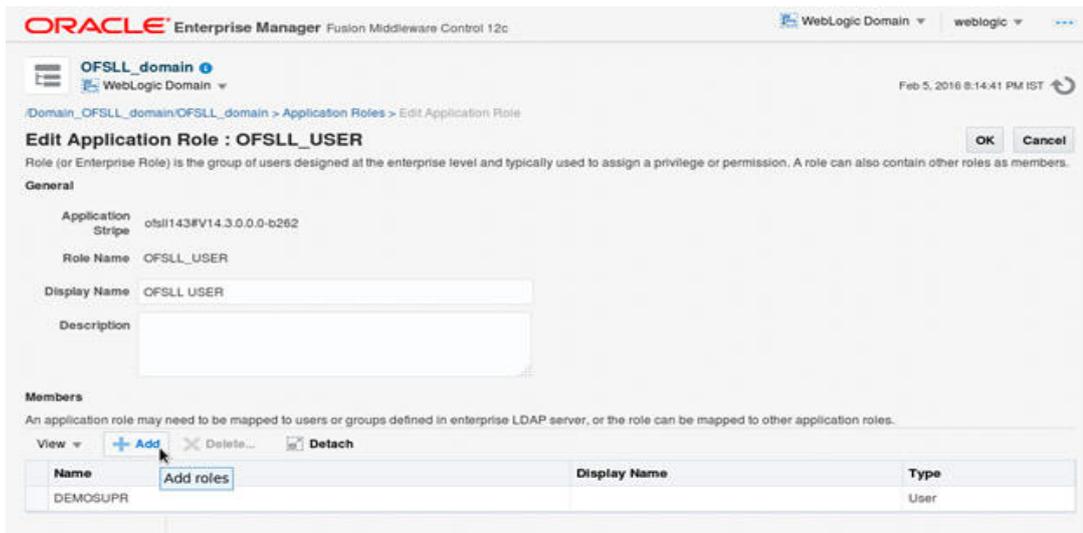
3. Select Application Stripe from the drop-down menu.
4. Click the arrow head button. Details of the existing Roles are displayed below:



- Select the 'Role Name'. Membership details of the selected Role Name are displayed under Membership for "role_name"..

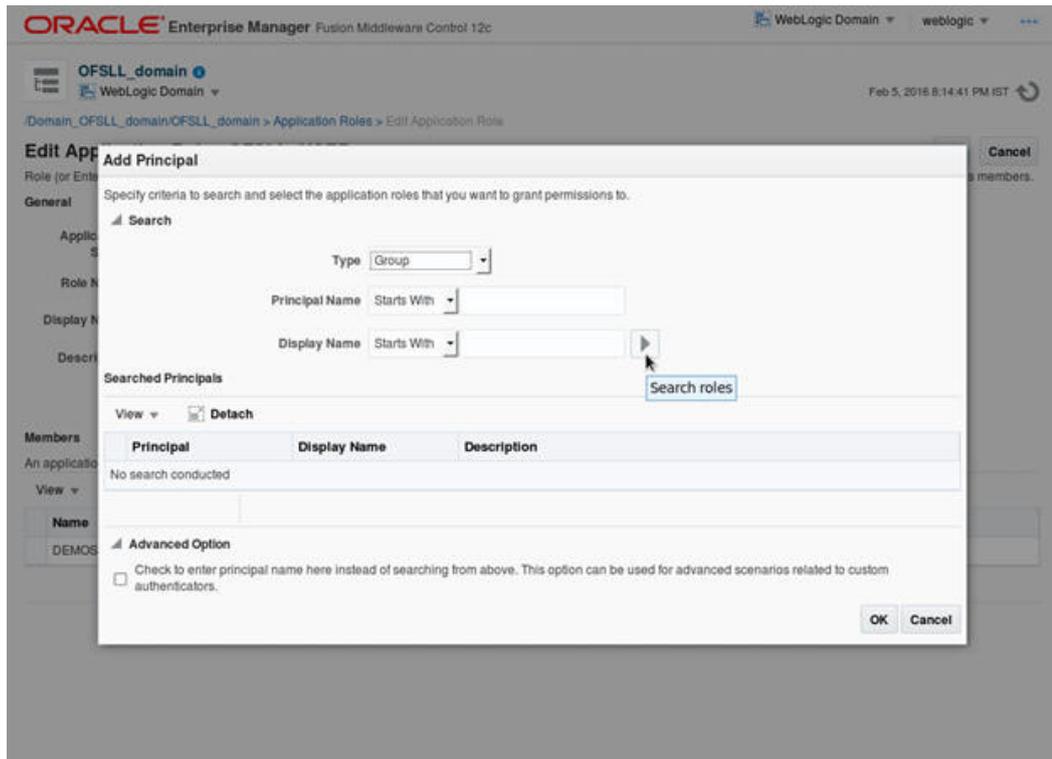


- Click 'Edit'. The following window is displayed.

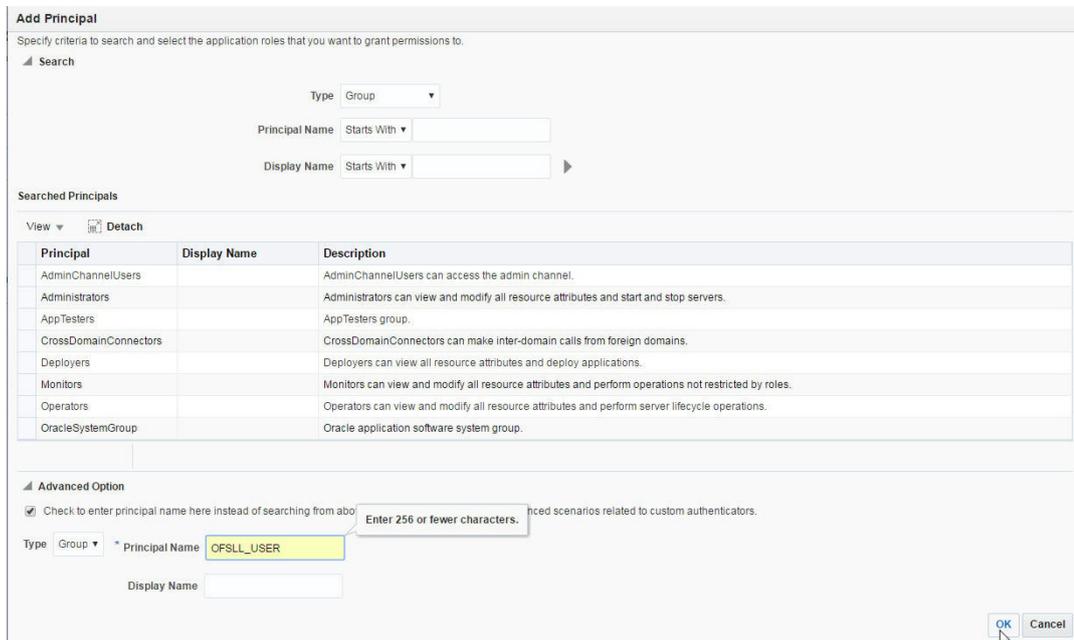


- Click 'Add". Select type as Group. Click on the arrow head button.

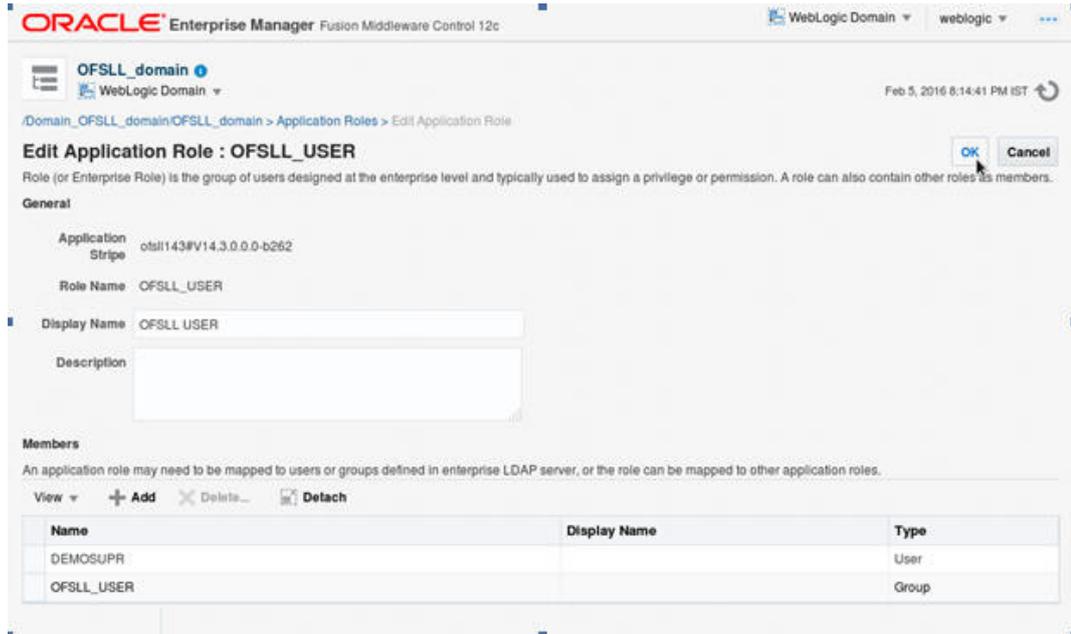
- Follow the given steps to select the Principal 'OFSSL_USER' to add and click OK. The following window is displayed.



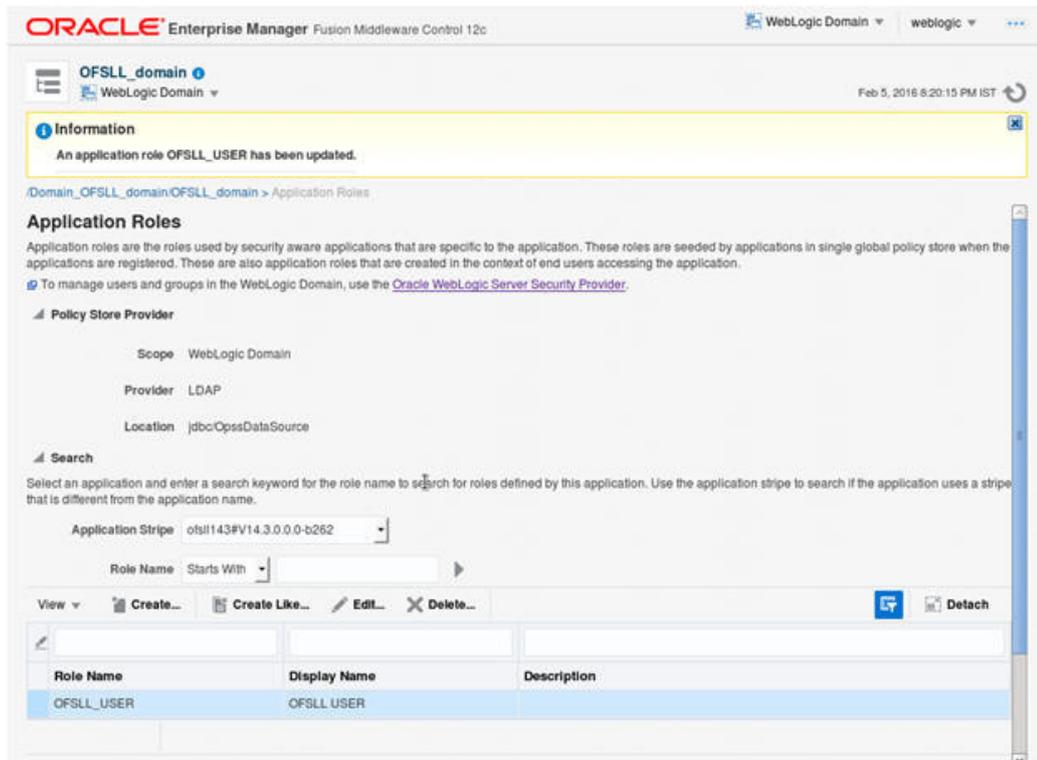
- Check the check box in Advanced options. Enter the name of Group manually.



10. Click 'OK'.

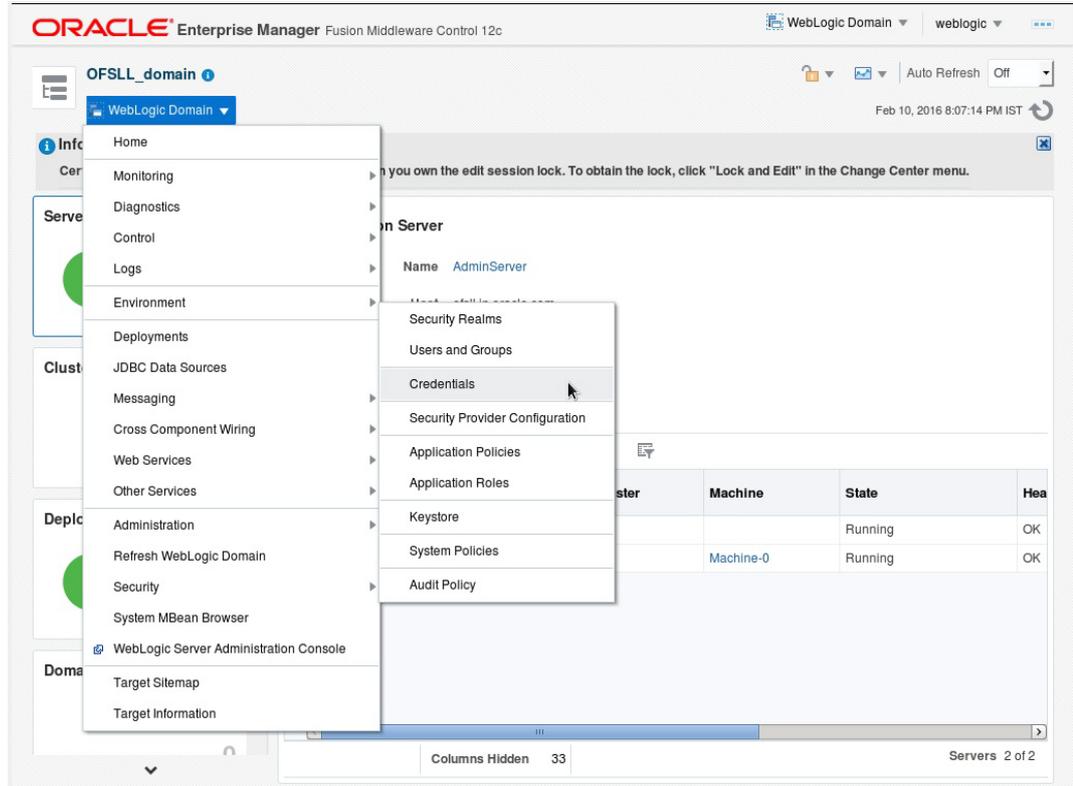


11. The following window is displayed with the confirmation message as 'The Application role of 'group_name' has been updated'.

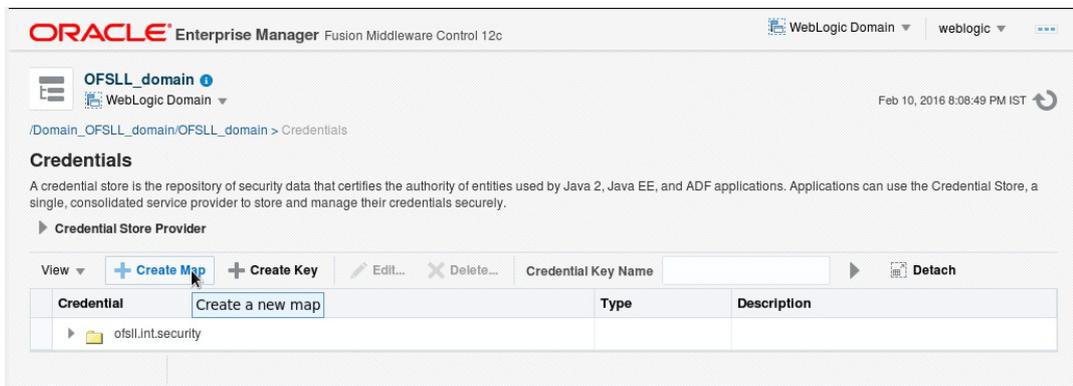


8. Configuring JNDI name for HTTP Listener

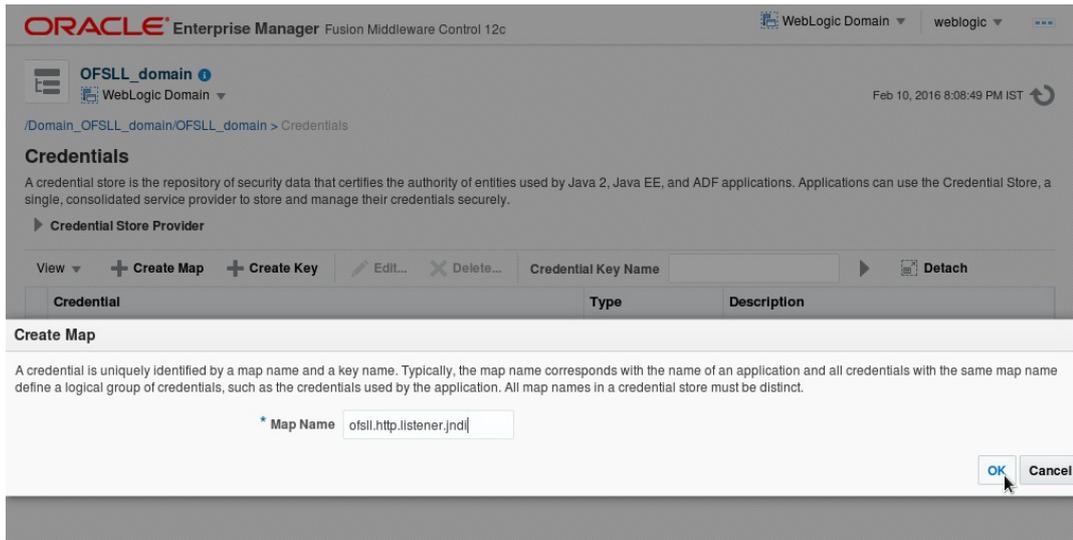
1. Click 'WebLogic Domain' on the right panel. Select Security > Credentials.



2. Click 'Credentials'. The following window is displayed.

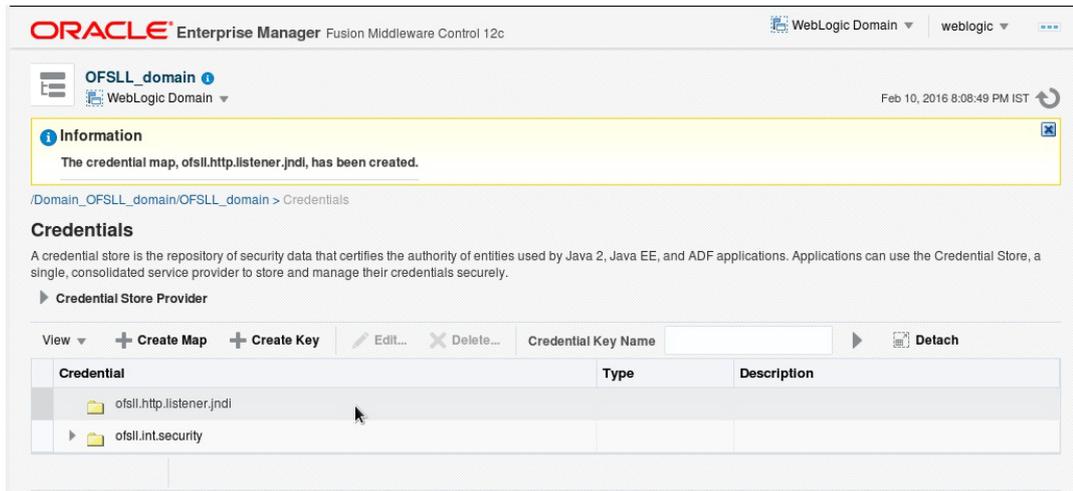


3. Click 'Create Map'. The following window is displayed.

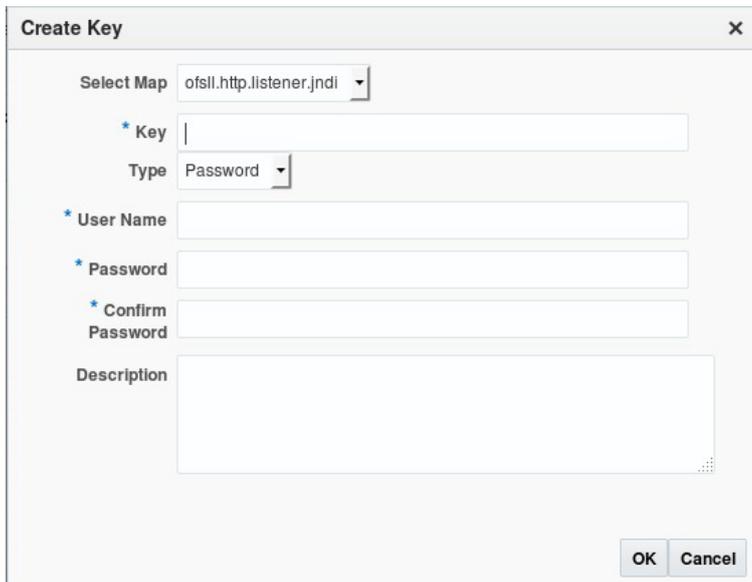


4. Enter Map name as 'ofsll.http.listener.jndi'.

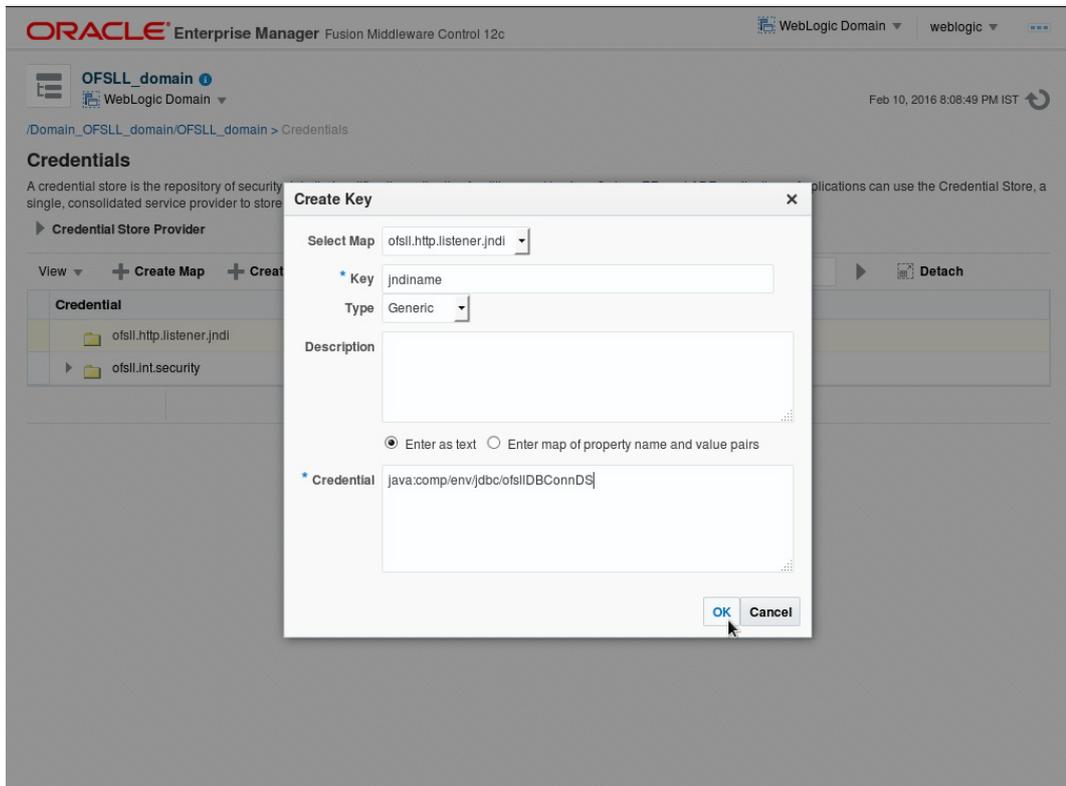
5. Click 'OK'. The following window is displayed.



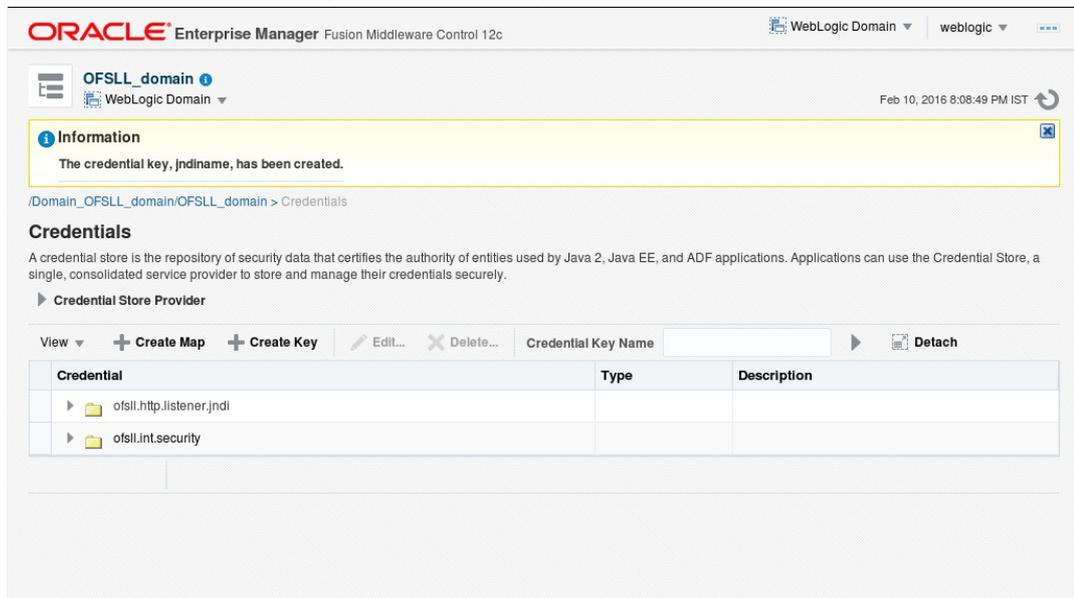
6. Click 'Create Key' Button. The following window is displayed.



7. Enter the following details as per your requirement.
 - Key: jndiname
 - Credential: java:comp/env/jdbc/ofslIDBConnDS
 - Type:Generic



8. Click 'OK'. The following window is displayed.

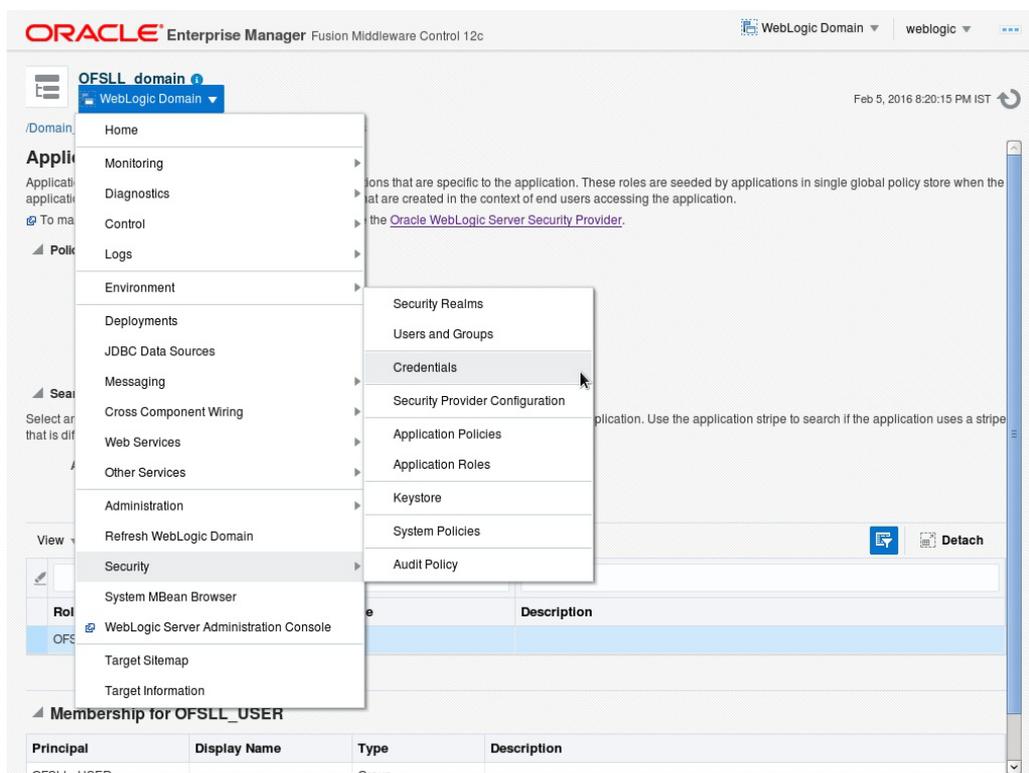


9. Configuring Oracle BI Publisher for Application

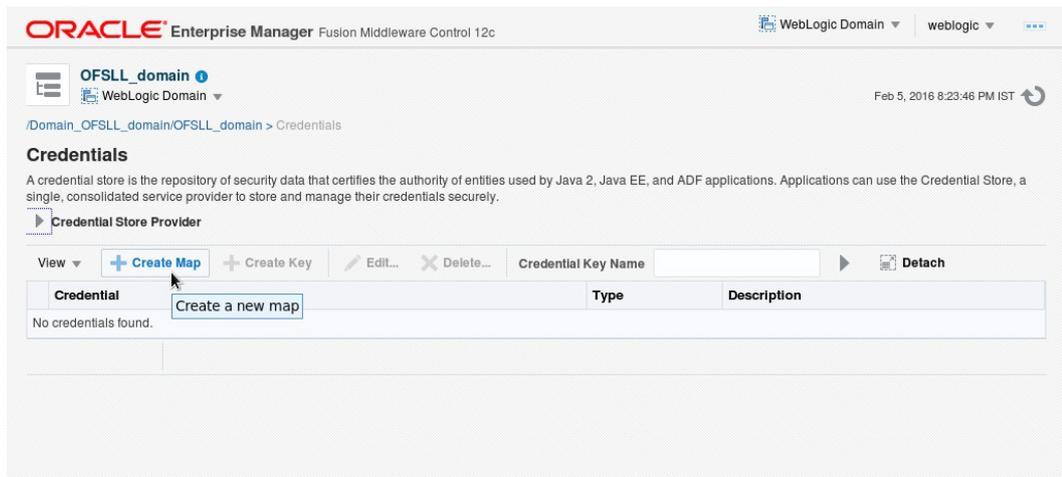
1. Copy the OfsslCommonCSF.jar from /WEB-INF/lib available in the staging area to \$DOMAIN_HOME/lib
2. Update the setDomainEnv.sh file (\$MW_HOME/user_projects/domains/mydomain/bin directory) by appending the above jar file path – EXTRA_JAVA_PROPERTIES="..... \${EXTRA_JAVA_PROPERTIES} -Dofssl.csf.path=\${DOMAIN_HOME}"
3. Configure Security via EMconsole

Note

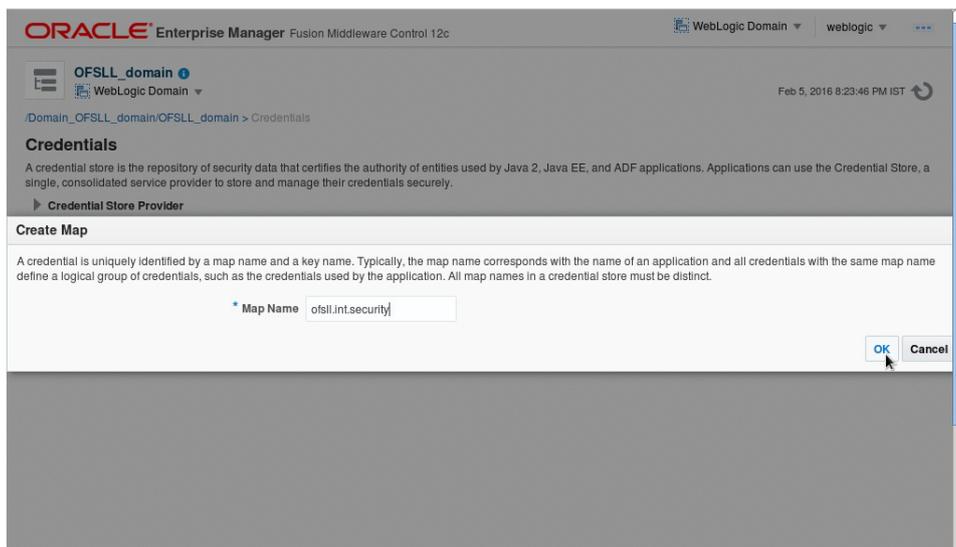
It is assumed that BI Publisher is installed and configured. Refer BI Publisher Guide for further details.



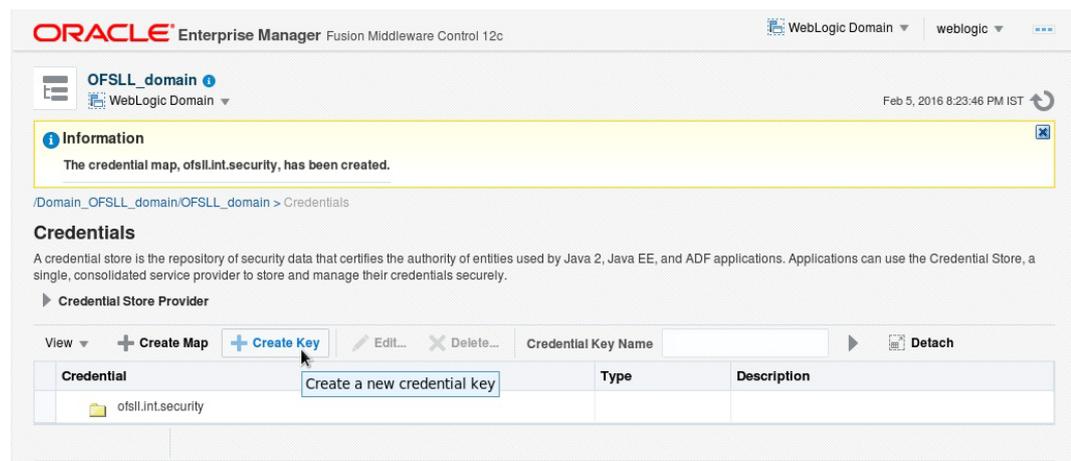
- Click WebLogic Domain on the right panel. Select Security > Credentials. Click 'Create Map'.



- Enter the Map Name: ofssl.int.security.

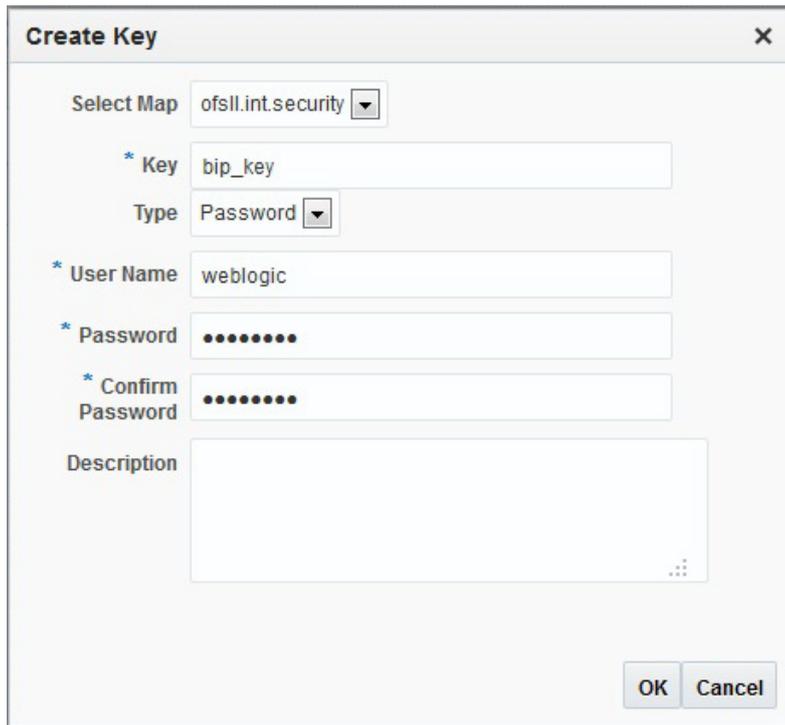


- Click 'OK'.



- Click 'Create Key' Button.

8. Enter the details as per your requirement. Specify 'User Name' and 'Password' of BI Publisher console.

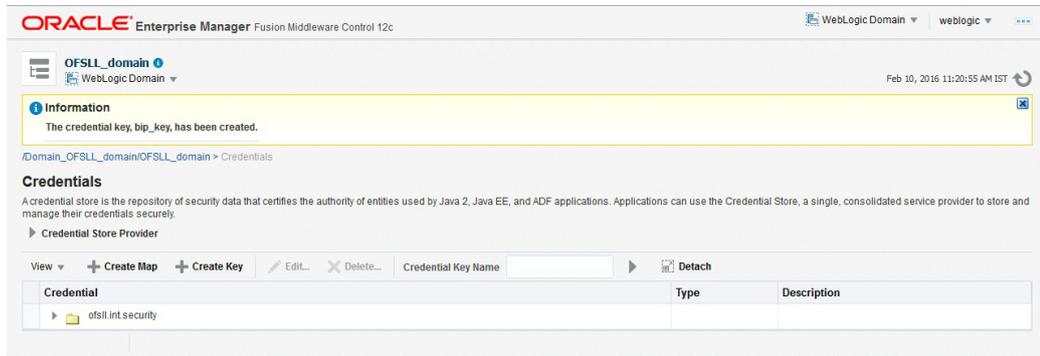


The 'Create Key' dialog box is shown with the following fields and values:

- Select Map: ofssl.int.security
- * Key: bip_key
- Type: Password
- * User Name: weblogic
- * Password: [masked]
- * Confirm Password: [masked]
- Description: [empty text area]

Buttons: OK, Cancel

9. Click 'OK'. The following window is displayed.

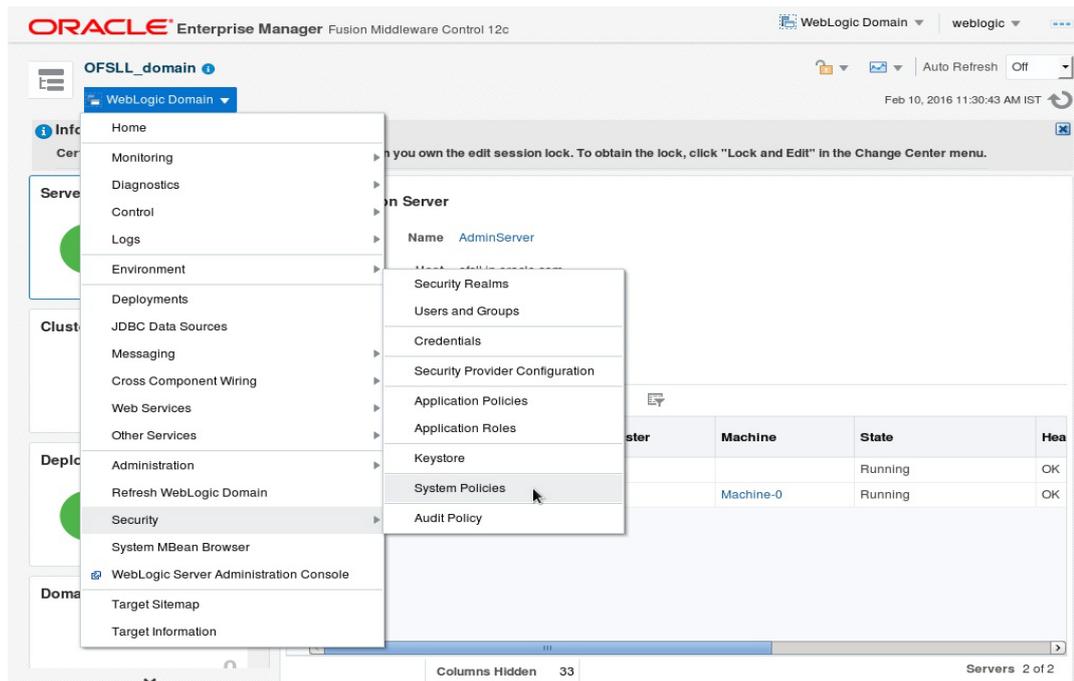


The screenshot shows the Oracle Enterprise Manager console with the following details:

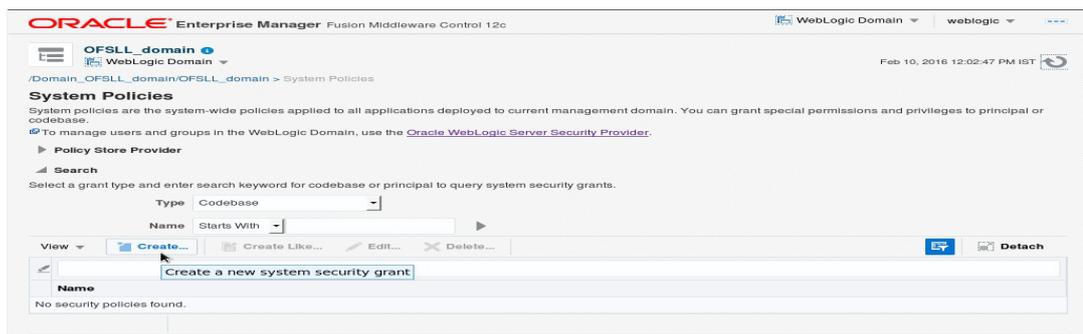
- Page Title: ORACLE Enterprise Manager Fusion Middleware Control 12c
- Domain: OFSSL_domain (WebLogic Domain)
- Message: Information - The credential key, bip_key, has been created.
- Navigation: Domain_OFSSL_domain/OFSSL_domain > Credentials
- Section: Credentials
- Text: A credential store is the repository of security data that certifies the authority of entities used by Java 2, Java EE, and ADF applications. Applications can use the Credential Store, a single, consolidated service provider to store and manage their credentials securely.
- Sub-section: Credential Store Provider
- Toolbar: View, + Create Map, + Create Key, Edit..., Delete..., Credential Key Name, Detach
- Table:

Credential	Type	Description
ofssl.int.security		

- On the left panel, right click on the domain OFSLL_domain > Security > System Policies. The following window is displayed.



- Click 'Create'.



- The following window is displayed. Enter the codebase as 'file:\${ofssl.csf.path}/lib/OfsllCommonCSF.jar' and click 'Add'.



- The following window is displayed. Select the checkbox 'Select here to enter details for a new permission' and enter the following details as the first permission class.

- Permission Class: oracle.security.jps.service.credstore.CredentialAccessPermission
- Resource Name: context=SYSTEM,mapName=ofssl.int.security,keyName=*

- Permission Actions: read

Add Permission

Select from permissions and resources used in system policies of this domain. Enter search criteria to search for right permissions.

Search

Type: Codebase

Name:

Permission:

Search Results

Name	Type	Permission
No permissions found.		

Select here to enter details for a new permission

* Permission Class: oracle.security.jps.service.credstore.CredentialAccessPermission

Resource Name: context=SYSTEM,mapName=ofssl.int.security.keyName=*

Permission Actions: read

OK Cancel

Configuring JNDI Name for http Listener

1. Similarly, click Add to add the second permission class. Select the check box 'Select here to enter details for a new permission' and enter the following details as the second permission class.
 - Permission Class: oracle.security.jps.service.credstore.CredentialAccessPermission
 - Resource Name: context=SYSTEM,mapName=ofssl.http.listener.jndi,keyName=*
 - Permission Actions: read
2. Click 'OK'. The following window is displayed.

ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain | weblogic

Feb 10, 2016 7:45:05 PM IST

OFSSL_domain | WebLogic Domain

/Domain_OFSSL_domain/OFSSL_domain > System Policies > Create System Grant

Create System Grant

There are two different types of system policies supported by application server: principal policy and codebase policy. Principal policy grants permissions and privileges to a list of users or roles. Codebase policy grants permissions and privileges to a codebase, which is mostly URL or location of jar file in file system. Codebase can be either absolute path or relative path.

Grant To: Codebase

* Codebase: file:\${ofssl.csf.path}/lib/CfsslCommonCSF.jar

Permissions

Permission Class	Resource Name	Permission Actions
oracle.security.jps.service.credstore.CredentialAc...	context=SYSTEM,mapName=ofssl.int.security.keyName=*	read
oracle.security.jps.service.credstore.CredentialAc...	context=SYSTEM,mapName=ofssl.http.listener.jndi.keyName=*	read

OK Cancel

3. Click 'OK'. The following window is displayed.

ORACLE Enterprise Manager Fusion Middleware Control 12c WebLogic Domain ▾ weblogic ▾ ...

OFSLL_domain WebLogic Domain ▾ Feb 10, 2016 8:02:50 PM IST ↻

Information
A new security grant has been added successfully.

[/Domain_OFSLL_domain/OFSLL_domain > System Policies](#)

System Policies

System policies are the system-wide policies applied to all applications deployed to current management domain. You can grant special permissions and privileges to principal or codebase.

[To manage users and groups in the WebLogic Domain, use the Oracle WebLogic Server Security Provider.](#)

Policy Store Provider

Search

Select a grant type and enter search keyword for codebase or principal to query system security grants.

Type:

Name:

View ▾ **Create...** Create Like... Edit... Delete... **Detach**

Name
No security policies found.

10. Launching Application

Verifying Successful Application Deployment and Launching Application

Successful Application deployment can be verified by following:

- Making sure that the state is ACTIVE and health in OK in the Weblogic.
- Access and log into the application.

After you enable SSL you can launch the application via https:\\ protocol.

To launch application

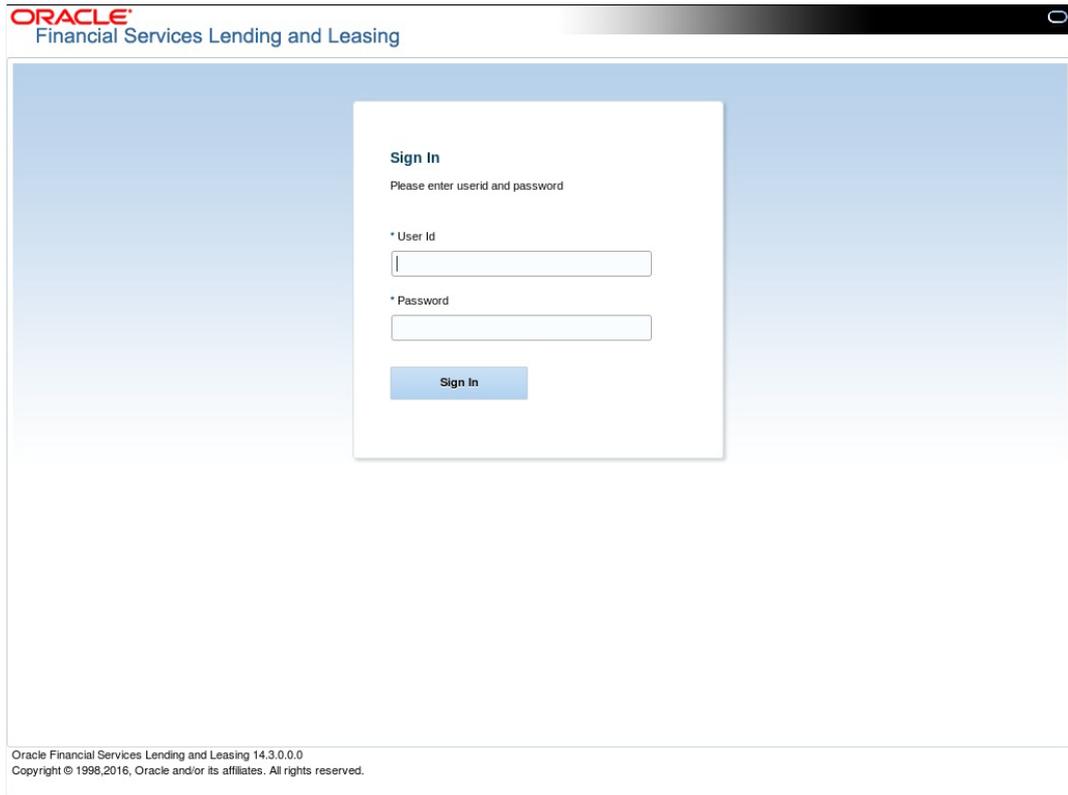
1. Verify if the deployed OFSLL application is 'Active'.

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Summary of Deployments" and contains a table of installed applications. The table has the following columns: Name, State, Health, Type, Targets, Scope, Domain Partitions, and Deployment Order. The application "ofssl143 (V14.3.0.0.4-b148)" is highlighted, showing a State of "Active" and a Health of "OK".

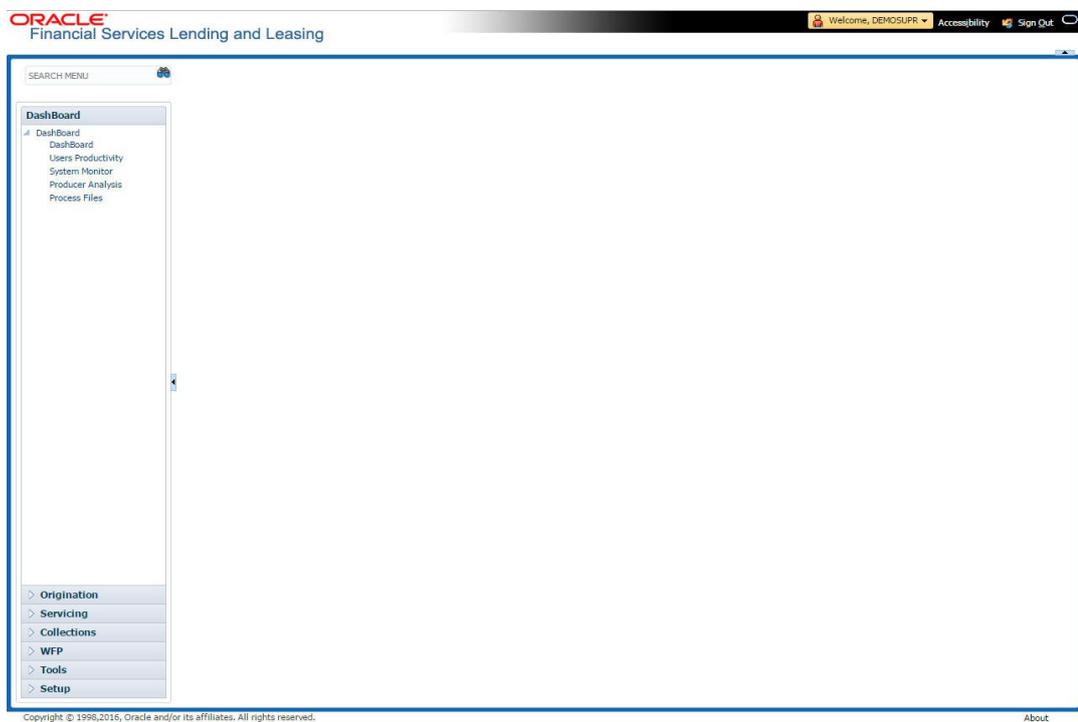
Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
adf.oracle.businesseditor(1.0,12.2.1.0.0)	Active		Library	AdminServer, OFSLLREL_ManagedServer, WebService_ManagedServer	Global		100
adf.oracle.domain(1.0,12.2.1.0.0)	Active		Library	AdminServer, OFSLLREL_ManagedServer, WebService_ManagedServer	Global		100
adf.oracle.domain.webapp(1.0,12.2.1.0.0)	Active		Library	AdminServer, OFSLLREL_ManagedServer, WebService_ManagedServer	Global		100
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, OFSLLREL_ManagedServer, WebService_ManagedServer	Global		100
ofssl143 (V14.3.0.0.4-b148)	Active	OK	Enterprise Application	OFSLLREL_ManagedServer,	Global		100
DMS Application (12.2.1.0.0)	Active	OK	Web Application	AdminServer, OFSLLREL_ManagedServer, WebService_ManagedServer	Global		5
em	Active	OK	Enterprise Application	AdminServer	Global		400
emagentsdkimplpriv_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global		100
emagentsdkimpl_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global		100
emagentsdk_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global		100

2. The URL of the OFSLL application will be of the format - https://<hostname>:<Port>/<ContextName>/faces/pages/OfsllSignIn.jsf (Example: https://localhost:7003/ofssl/faces/pages/OfsllSignIn.jsf)

3. Login with the user credentials that was created in Users Creation.



4. After successful login, the following screen is displayed



11. Installing Upgrade

There is an infrastructure upgrade required (from 11g fusion middleware to 12c fusion middleware) when upgrading from OFSLL 14.2.0.0.0 to OFSLL 14.3.0.0.0.

Hence, it is recommended to install a new 12c fusion middleware infrastructure and deploy the 14.3.0.0.0 OFSLL application.