

Installation Guide- Non-Linux Platforms  
Oracle Banking Digital Experience  
Patchset Release 22.1.2.0.0

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**ORACLE®**

Installation Guide- Non-Linux Platforms

November 2022

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# Table of Contents

<b>1. Preface .....</b>	<b>1-1</b>
1.1 Intended Audience.....	1-1
1.2 Documentation Accessibility.....	1-1
1.3 Access to Oracle Support.....	1-1
1.4 Structure .....	1-1
1.5 Related Information Sources.....	1-1
<b>2. Manual OBDX installation .....</b>	<b>2-1</b>
2.1 Create OBDX Tablespace (file obdx_create_tablespace.sql).....	2-1
2.2 Create Audit tablespace (file obdx_audit_create_tablespace.sql).....	2-1
2.3 Create user (file obdx_create_user.sql).....	2-2
2.4 Create role (file obdx_create_role.sql).....	2-2
2.5 Grants Execution (file clip_user_grants.sql).....	2-3
2.6 Files execution in sequences on above schema (ex. OBDX_\$(POST_FIX)).....	2-3
2.7 OBPM Database Installation (OBPM Favor).....	2-3
2.8 Tablespace Creation (file obpm_create_tablespace.sql).....	2-4
2.9 CREATE BIGFILE TABLESPACE TBS_\$(EHMS_SCHEMA_NAME).....	2-4
2.10 User Creation (file obpm_create_user.sql).....	2-4
2.11 Create role (file obpm_create_role.sql).....	2-5
2.12 CREATE ROLE ROLE_\$(EHMS_SCHEMA_NAME) NOT IDENTIFIED;.....	2-5
2.13 Grants Execitions.....	2-5
2.14 Scripts Execution.....	2-5
2.15 Policy Seeding.....	2-6
<b>3. WEBLOGIC Setup and Configuration .....</b>	<b>3-1</b>

3.1	Setting Domain JTA Transaction timeout .....	3-1
3.2	Creating DIGX data source .....	3-2
3.3	Creating NONXA data source .....	3-5
3.4	Creating BATCH data source .....	3-7
3.5	Creating SYSCONFIG data source .....	3-11
3.6	Creating B1A1 data source .....	3-14
3.7	Create JMS server and JMS Module.....	3-17
3.8	Creating WLS_JMS_AUDIT_PS FileStore .....	3-29
3.9	Creating AuditJMSServer JMS Server .....	3-29
3.10	Creating WLS_JMS_REPORT_PS FileStore.....	3-29
3.11	Creating ReportsJMSServer JMS Server.....	3-40
3.12	Creating jpa-cache JMS Server.....	3-42
3.13	Creating WLS_JPA_PS FileStore .....	3-42
3.14	Creating ExtSystemReceiver JMS Server -- WLS_JMS_EXTSYSRECEIVER_PS FileStore .	3-44
3.15	Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS_JMS_EXTSYSSENDER_PS .....	3-46
3.16	Creating UBSForeignServer JMS Server .....	3-47
3.17	Creating OBPMForeignServer JMS Server.....	3-48
<b>4.</b>	<b>Deploying Applications .....</b>	<b>4-1</b>
<b>5.</b>	<b>Configured jps-config.xml .....</b>	<b>5-1</b>



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# 1. Preface

## 1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

## 1.2 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## 1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## 1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

## 1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Patchset Release 22.1.2.0.0, refer to the following documents:

- Oracle Banking Digital Experience Installation Manuals

---

## 2. Manual OBDX installation

OBDX Database Installation with OBPM FLAVOR

Create required OBDX tablespace and user in below sequence.

### 2.1 Create OBDX Tablespace (file obdx\_create\_tablespace.sql)

Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBDX/obdx\_create\_tablespace.sql

Update the datafile path and tablespace name and execute the file

Example: -

Refer installer.properties file variable POST\_FIX and replace in the below command.

```
CREATE BIGFILE TABLESPACE OBDX_${POST_FIX} DATAFILE  
'${DATAFILE_PATH}/OBDX_${POST_FIX}.dbf'
```

```
SIZE 500M
```

```
AUTOEXTEND ON NEXT 100M
```

```
LOGGING
```

```
EXTENT MANAGEMENT LOCAL
```

```
SEGMENT SPACE MANAGEMENT AUTO;
```

### 2.2 Create Audit tablespace (file obdx\_audit\_create\_tablespace.sql)

Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBDX/obdx\_audit\_create\_tablespace.sql

Example :-

Refer installer.properties file variable POST\_FIX and replace in the below command

```
CREATE BIGFILE TABLESPACE OBDX_AUDIT_${POST_FIX}
```

```
DATAFILE '${DATAFILE_PATH}/OBDX_AUDIT_${POST_FIX}.dbf'
```

```
SIZE 500M
```

```
AUTOEXTEND ON NEXT 100M
```

```

LOGGING
EXTENT MANAGEMENT LOCAL
SEGMENT SPACE MANAGEMENT AUTO;

```

## 2.3 **Create user (file obdx\_create\_user.sql)**

Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBDX/obdx\_create\_user.sql

Example: -

Refer installer.properties file variable POST\_FIX and replace in the below command

```

create user OBDX_${POST_FIX} identified by welcome1;
alter user OBDX_${POST_FIX} default tablespace OBDX_${POST_FIX};
alter user OBDX_${POST_FIX} temporary tablespace temp;
alter user OBDX_${POST_FIX} quota unlimited on OBDX_${POST_FIX} ;
alter user OBDX_${POST_FIX} quota unlimited on OBDX_AUDIT_${POST_FIX} ;

```

## 2.4 **Create role (file obdx\_create\_role.sql)**

Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBDX/obdx\_create\_role.sql

Example:-

Refer installer.properties file variable POST\_FIX and replace in the below command

```

CREATE ROLE OBDX_ROLE_${POST_FIX} NOT IDENTIFIED;

grant CONNECT, CREATE SESSION, CREATE TABLE, CREATE SEQUENCE,CREATE
TRIGGER, CREATE DATABASE LINK,CREATE VIEW, CREATE PROCEDURE, CREATE
SYNONYM, CREATE TYPE,CREATE JOB to OBDX_ROLE_${POST_FIX};

grant OBDX_ROLE_${POST_FIX} to OBDX_${POST_FIX};

```

## 2.5 Grants Execution (file clip\_user\_grants.sql)

Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBDX/clip\_user\_grants.sql

Example:-

Refer installer.properties file variable POST\_FIX and replace in the below command

```
grant create any sequence to OBDX_${POST_FIX};
```

```
grant execute on DBMS_LOCK to OBDX_${POST_FIX};
```

## 2.6 Files execution in sequences on above schema (ex. OBDX \${POST\_FIX})

- clip\_master\_script.sql
- clip\_constraints.sql
- clip\_seeds\_executable.sql
- clip\_master\_generic\_rest\_script.sql

\*\*\*\*\* SUCCESSFULLY installed OBDX database \*\*\*\*\*

## 2.7 OBPM Database Installation (OBPM Favor)

Create required OBDX tablespace and user in below sequence

## 2.8 Tablespace Creation (file obpm\_create\_tablespace.sql)

Execute the file available @ \${OBDX\_INSTALLER}  
/installables/db/OBPM/obpm\_create\_tablespace.sql

Example:-

Refer installer.properties file variable EHMS\_SCHEMA\_NAME and replace in the below command

## 2.9 CREATE BIGFILE TABLESPACE TBS \${EHMS\_SCHEMA\_NAME }

```
DATAFILE '${DATAFILE_PATH}/TBS_${EHMS_SCHEMA_NAME}.dbf'
SIZE 500M
AUTOEXTEND ON NEXT 100M
LOGGING
EXTENT MANAGEMENT LOCAL
SEGMENT SPACE MANAGEMENT AUTO;
```

## 2.10 User Creation (file obpm\_create\_user.sql)

Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/obpm\_create\_user.sql

Example:-

Refer installer.properties file variable EHMS\_SCHEMA\_NAME and replace in the below command

```
create user ${ EHMS_SCHEMA_NAME } identified by welcome1;
alter user ${ EHMS_SCHEMA_NAME } default tablespace TBS_${ EHMS_SCHEMA_NAME };
alter user ${ EHMS_SCHEMA_NAME } temporary tablespace temp;
alter user ${ EHMS_SCHEMA_NAME } quota unlimited on TBS_${ EHMS_SCHEMA_NAME };
```

## 2.11 Create role (file obpm\_create\_role.sql)

Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/obpm\_create\_role.sql

Example:-

Refer installer.properties file variable EHMS\_SCHEMA\_NAME and replace in the below command

## 2.12 CREATE ROLE ROLE \${ EHMS\_SCHEMA\_NAME } NOT IDENTIFIED;

```
grant CONNECT, CREATE SESSION, CREATE TABLE, CREATE SEQUENCE,CREATE
TRIGGER, CREATE DATABASE LINK,CREATE VIEW, CREATE PROCEDURE, CREATE
SYNONYM, CREATE TYPE,CREATE JOB to ROLE_${ EHMS_SCHEMA_NAME };
```

```
grant ROLE_${ EHMS_SCHEMA_NAME } to ${ EHMS_SCHEMA_NAME } ;
```

## 2.13 Grants Execitions

Replace \$\$schema with \${ EHMS\_SCHEMA\_NAME } in the below files

- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/FCUBS\_GR\_PRIV.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/FCOBPM\_GR\_PRIV.sql

## 2.14 Scripts Execution

- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/table-scripts.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/ubs\_object\_scripts.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/obpm\_object\_scripts.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/execute-seeds.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/obpm-seeds.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/DIGX\_FW\_CONFIG\_ALL\_O.sql
- Execute the file available @ \${OBDX\_INSTALLER} /installables/db/OBPM/DIGX\_FW\_ABOUT\_OBPM.sql

- Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBPM/DIGX\_FW\_CONFIG\_VAR\_B.sql
- Execute the file available @ \${OBDX\_INSTALLER}/installables/db/OBPM/DIGX\_FW\_CONFIG\_UBS\_ALL\_O.sql

## 2.15 Policy Seeding

TEMP\_PATH=Temporary Path

```
cp ${OBDX_INSTALLER}/installables/policies/Entitlement_log4j.properties to
TEMP_PATH/db/Entitlement_log4j.properties
```

```
cp ${OBDX_INSTALLER}/installables/policies/Task_log4j.properties to
TEMP_PATH/db/Task_log4j.properties
```

```
cp ${OBDX_INSTALLER}/installables/policies/Dashboard_seed_log4j.properties to
TEMP_PATH/db/Dashboard_seed_log4j.properties
```

update <logs\_path> in the above file (TEMP\_PATH) to desired location.

Execute below command in sequence.

Were SCHEMA\_NAME=OBDX\_\${POST\_FIX} and SCHEMA\_PASS= Password of OBDX\_\${POST\_FIX} .

```
# $JAVA_HOME/bin/java -Djava.util.logging.config.file= TEMP_PATH/db/Task_log4j.properties -
jar ${OBDX_INSTALLER}/installables/policies/com.ofss.digx.utils.feed.data.task.jar
/installables/policies/Task.csv oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
'jdbc:oracle:thin:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/OBDX_DATABA
SE_SID'
```

```
# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
TEMP_PATH/db/Dashboard_seed_log4j.properties -jar ${OBDX
INSTALLER}/installables/policies/com.ofss.digx.utils.dashboard.jar ${OBDX
INSTALLER}/installables/policies/dashboard_json/ oracle.jdbc.OracleDriver SCHEMA_NAME
SCHEMA_PASS
'jdbc:oracle:thin:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/OBDX_DATABA
SE_SID'
```

```
# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
TEMP_PATH/db/Entitlement_log4j.properties -jar ${OBDX
INSTALLER}/installables/policies/com.ofss.digx.utils.entitlement.feed.data.jar ${OBDX
INSTALLER}/installables/policies/Resources.csv ${OBDX
INSTALLER}/installables/policies/Entitlement.csv ${OBDX
INSTALLER}/installables/policies/Day0Policy.csv KERNEL oracle.jdbc.OracleDriver
SCHEMA_NAME SCHEMA_PASS
'jdbc:oracle:thin:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/OBDX_DATABA
SE_SID'
```

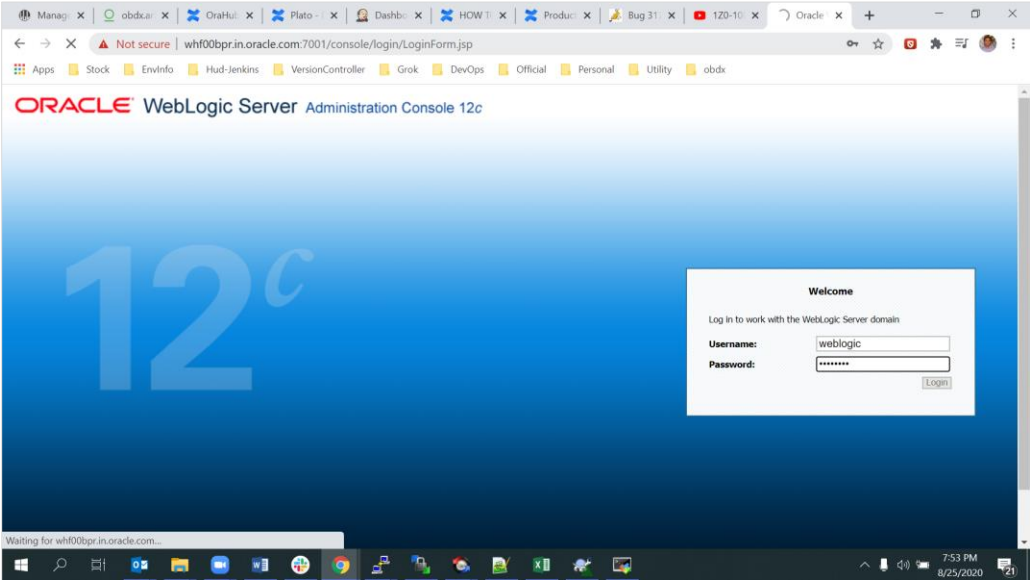
[Home](#)

# 3. WEBLOGIC Setup and Configuration

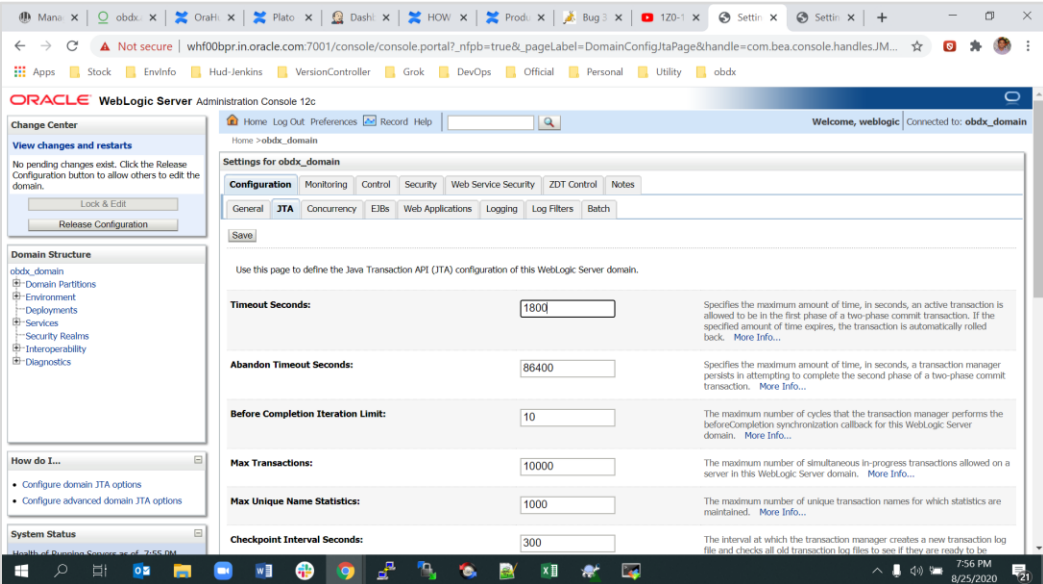
Assuming that rcu , weblogic domain created , managed server, cluster created , node manager configured.

## 3.1 Setting Domain JTA Transaction timeout

- 1. Logging into weblogic domain with admin credentials (ex. weblogic)



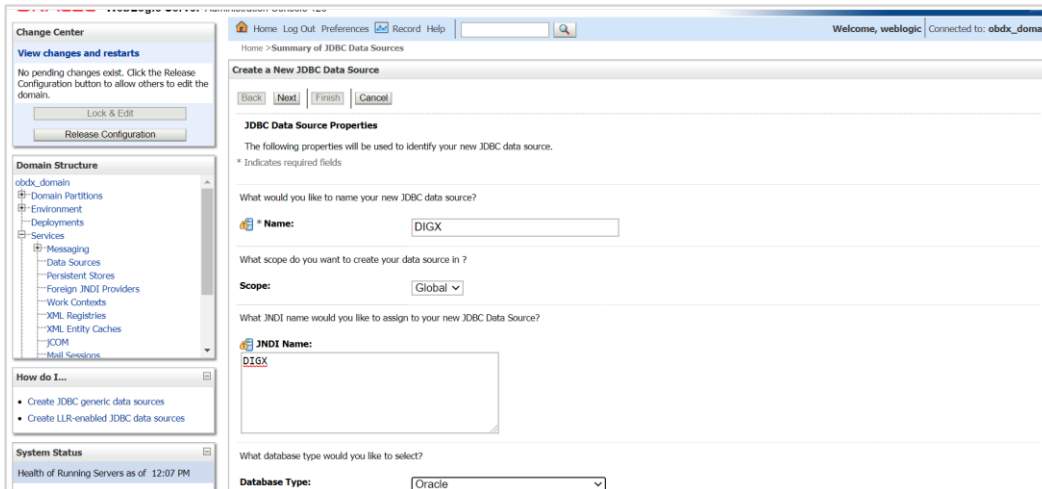
- 2. click on DOMAIN\_NAME → JTA → set Timeout Seconds to 1800 → click on save → Activate changes





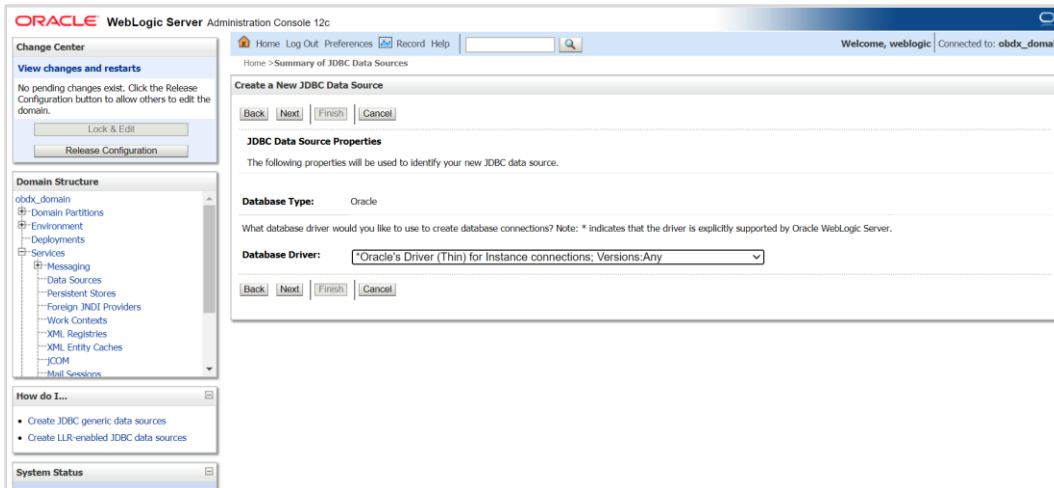
### 3.2 Creating DIGX data source

1. Navigate to Data Source → click on new → Provide details and click on finish.

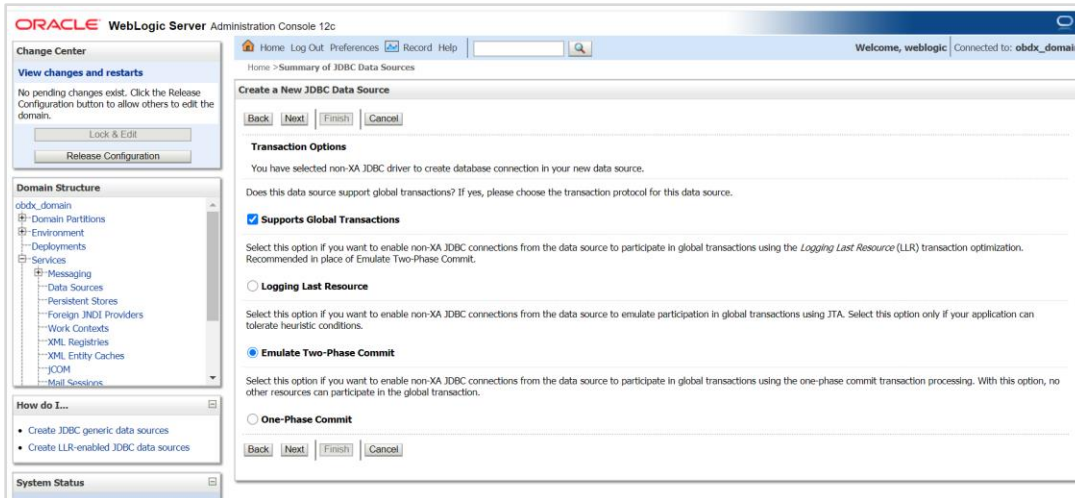


2. Name: - DIGX

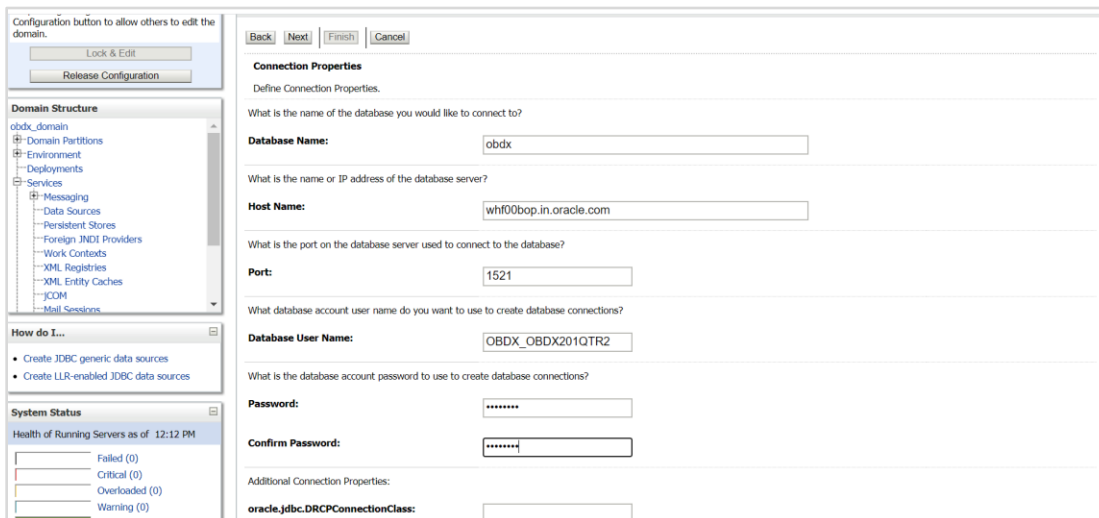
JNDI Name: - DIGX



3. Select Oracle's Driver (Thin) for Instance connections;

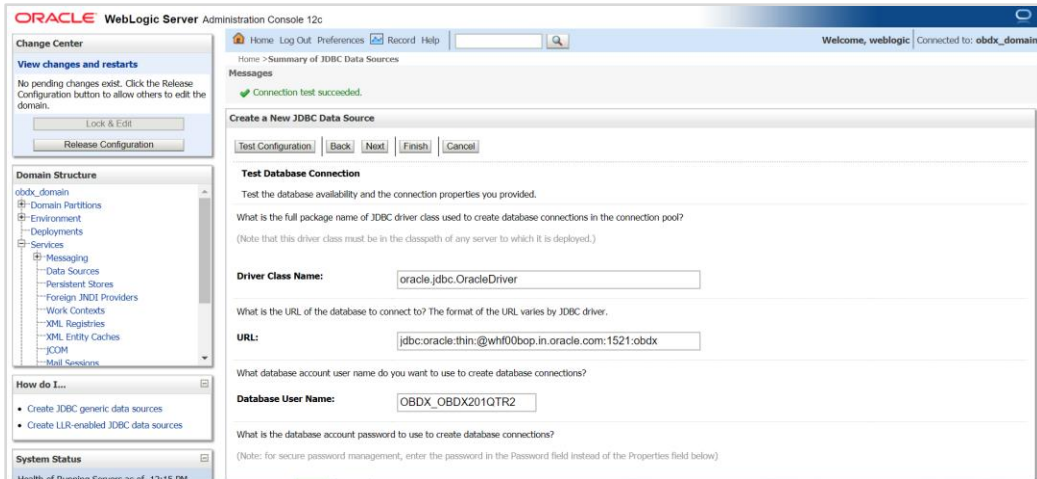


4. Select Emulate Two-Phase Commit

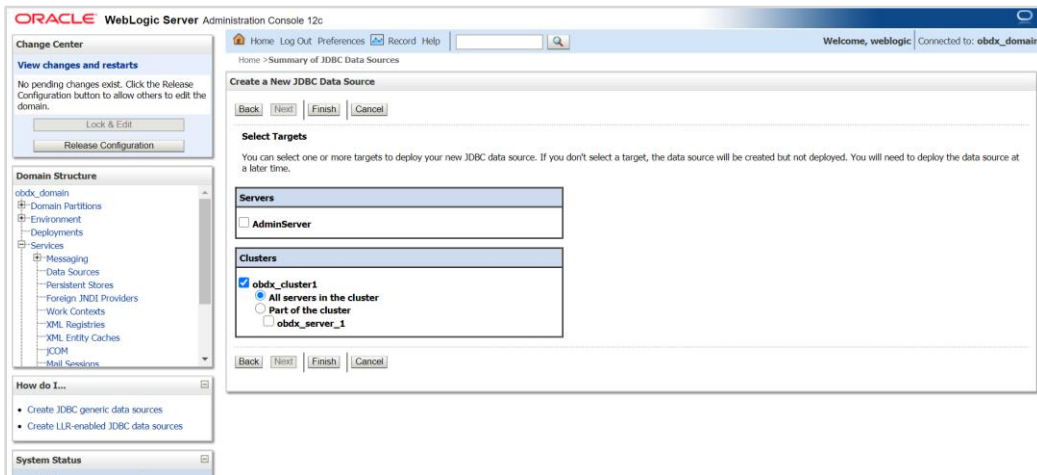


5. Provide

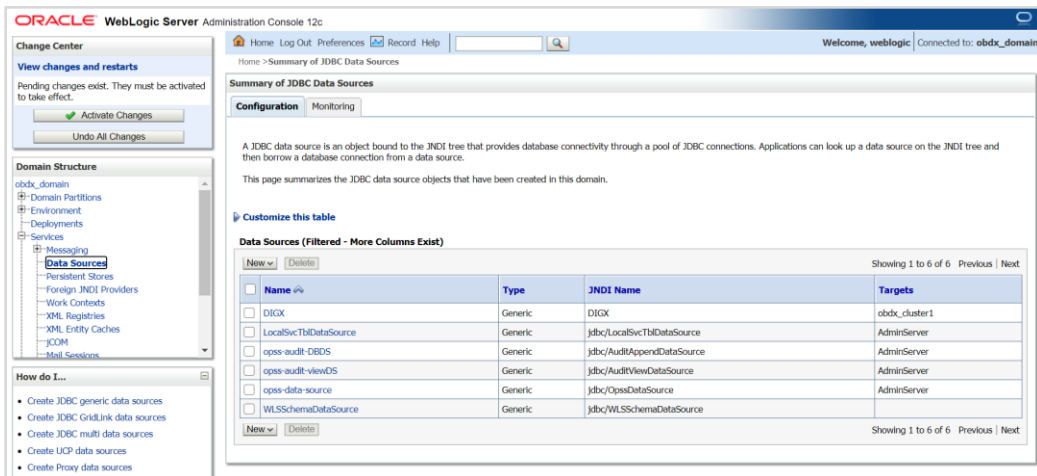
- Database Name:** - Database SID
- Host Name:** - Database hostname
- Port:** - Database port Number
- Database user Name:** - OBDX\_\${POST\_FIX}



## 6. Test Configuration

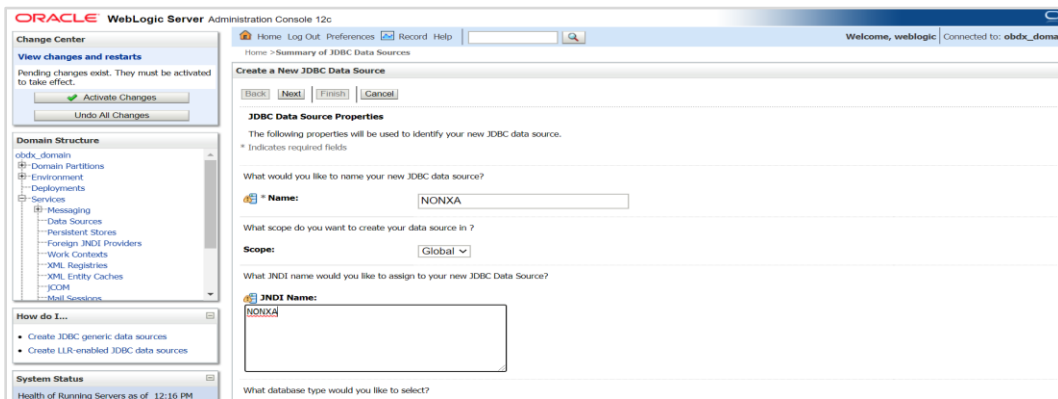


## 7. Target to cluster



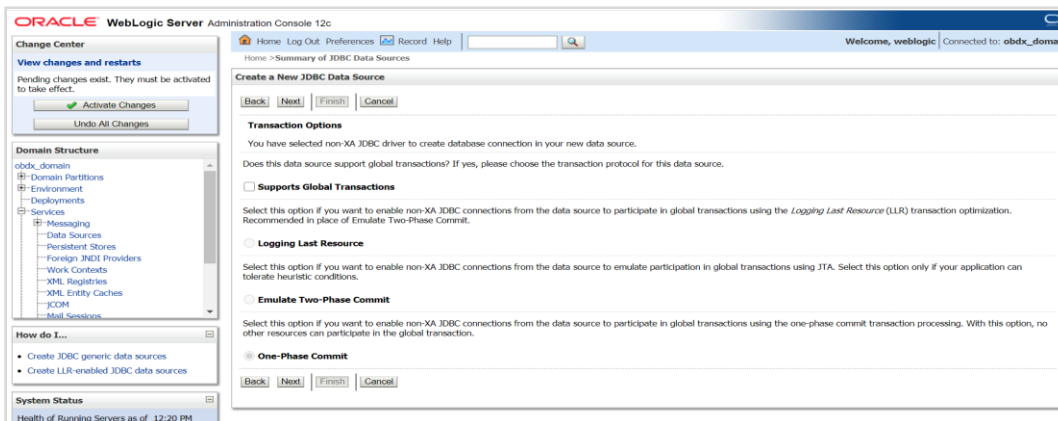
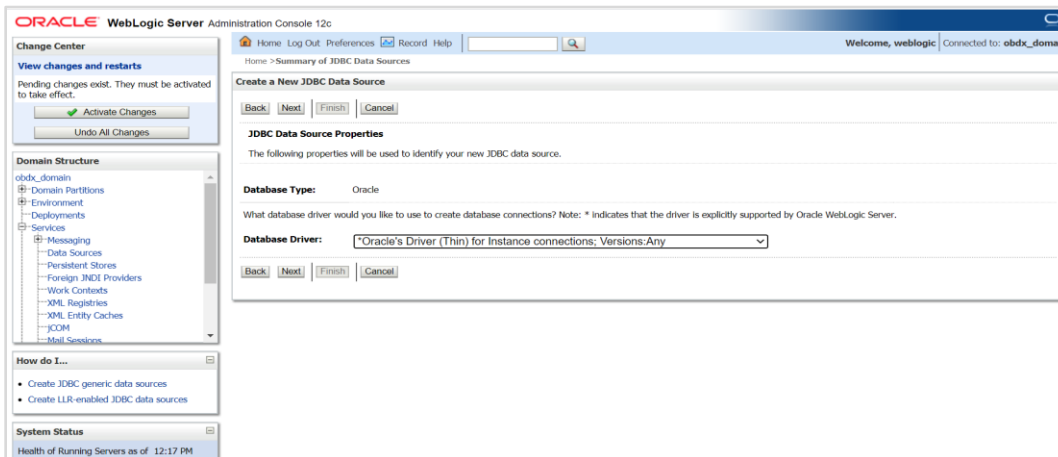
### 3.3 Creating NONXA data source

1. Navigate to Data Source → click on new → Provide details and click on finish



2. Name :- NONXA

JNDI Name :- NONXA



3. Click Next

#### 4. Provide

**Database Name:** - Database SID

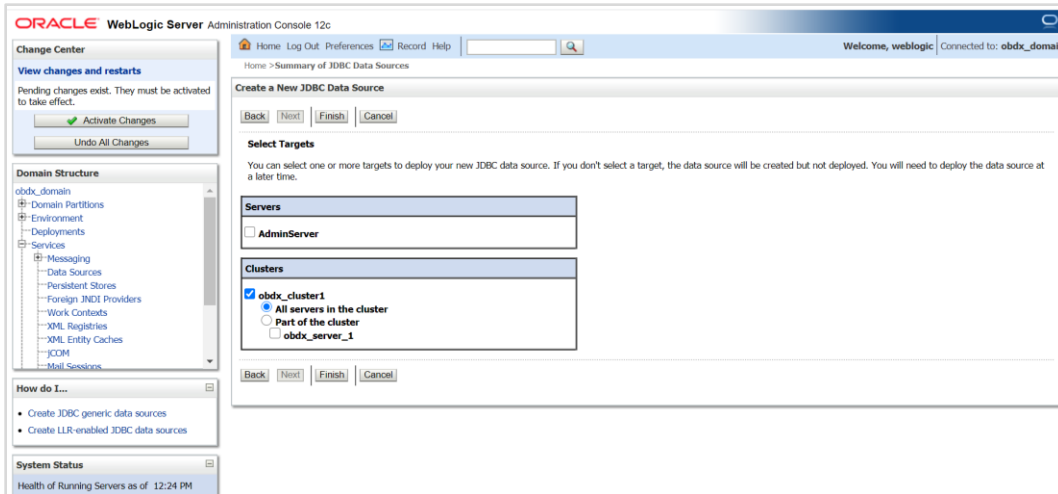
**Host Name:** - Database hostname

**Port:** - Database port Number

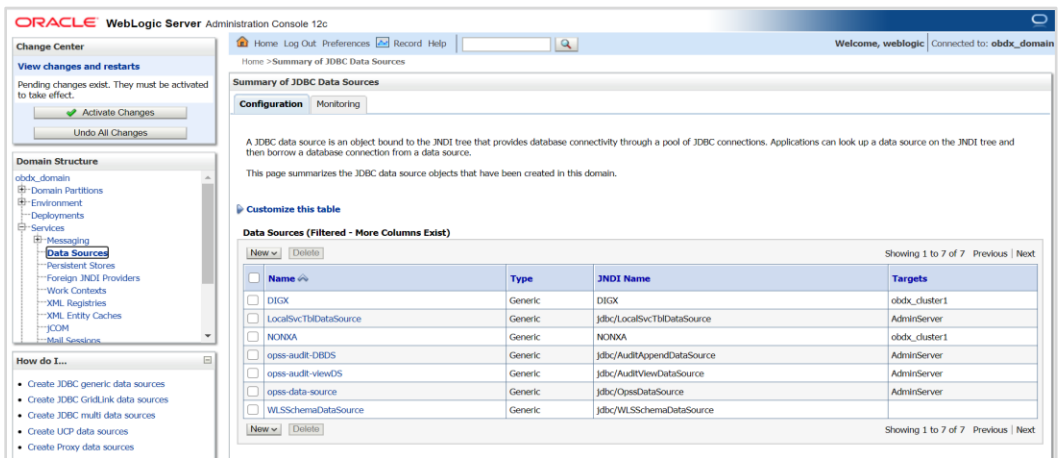
**Database user Name:** - OBDX\_\${POST\_FIX}

**Password:-** Database user password

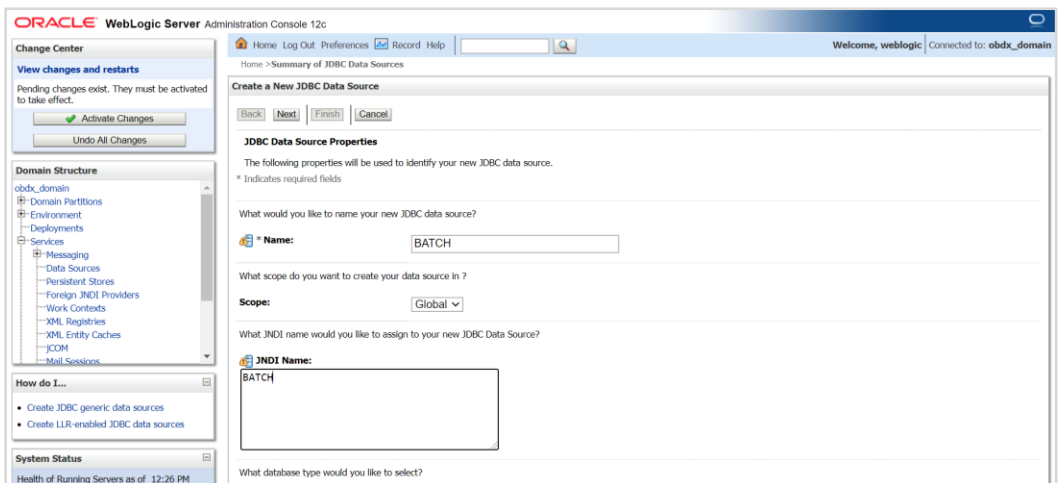
#### 5. Test Configuration



6. Select target as cluster --> Finish

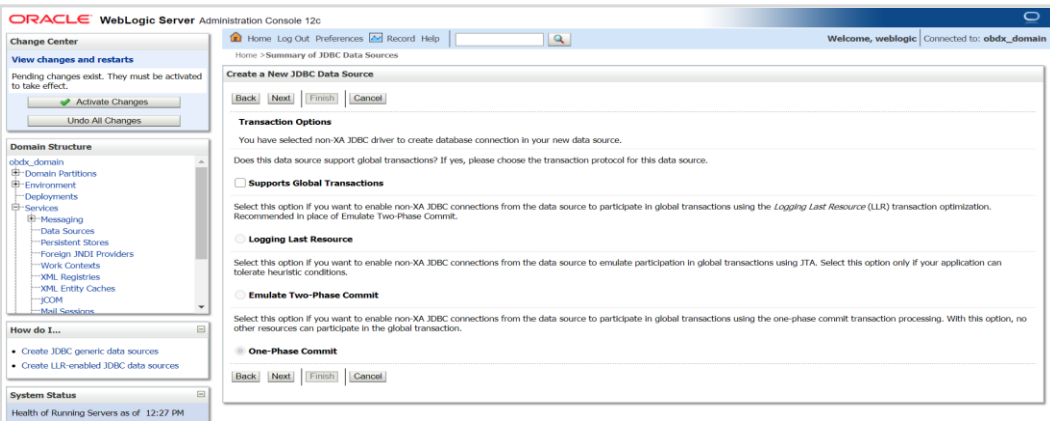
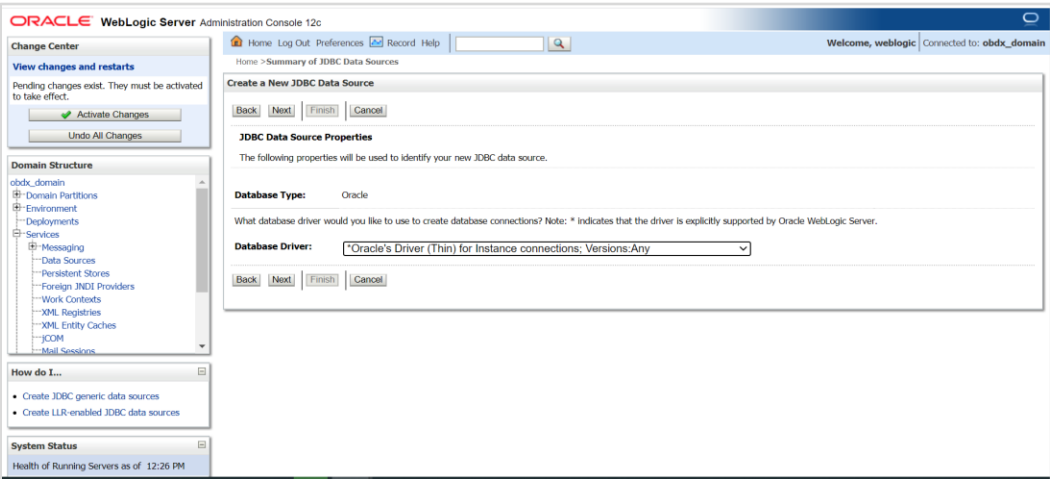


### 3.4 Creating BATCH data source

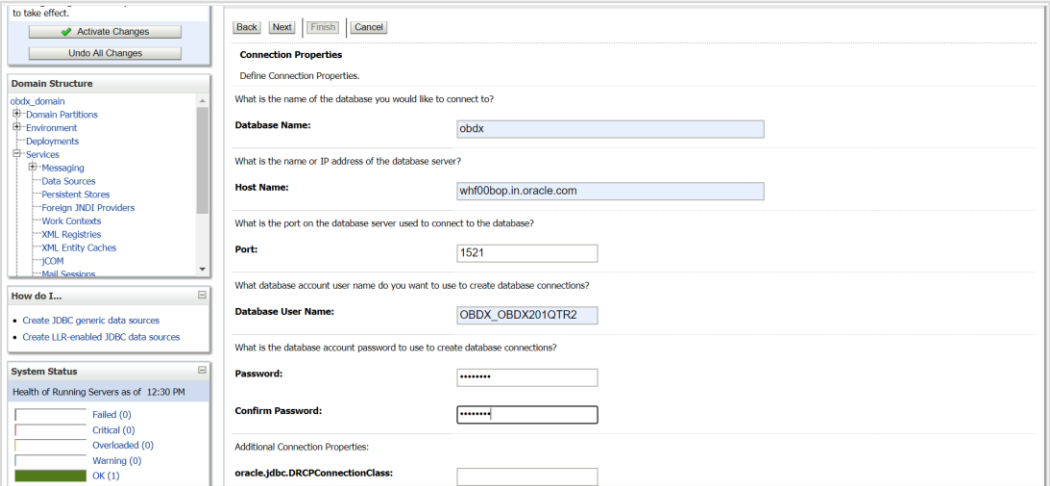


7. Name :- BATCH

JNDI Name :- BATCH



8. Click Next



## 9. Provide

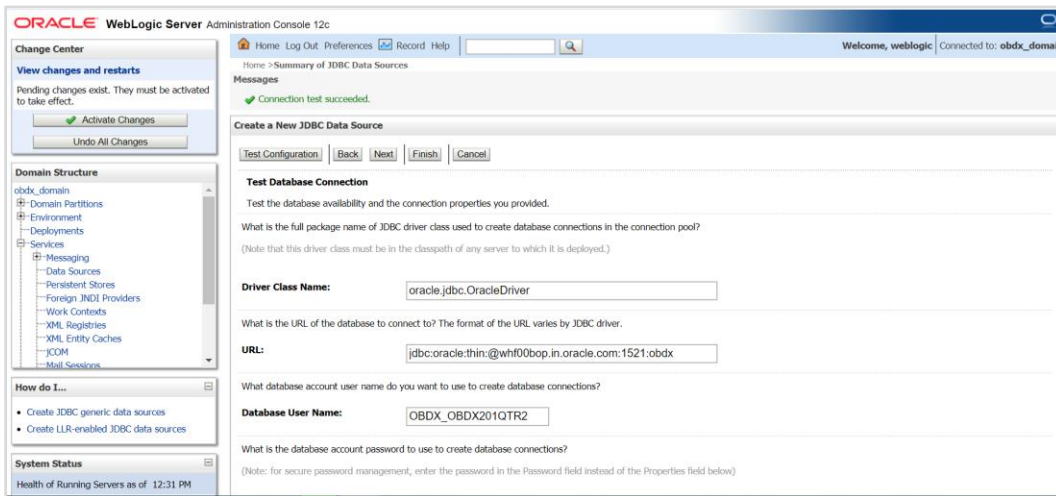
**Database Name:** - Database SID

**Host Name:** - Database hostname

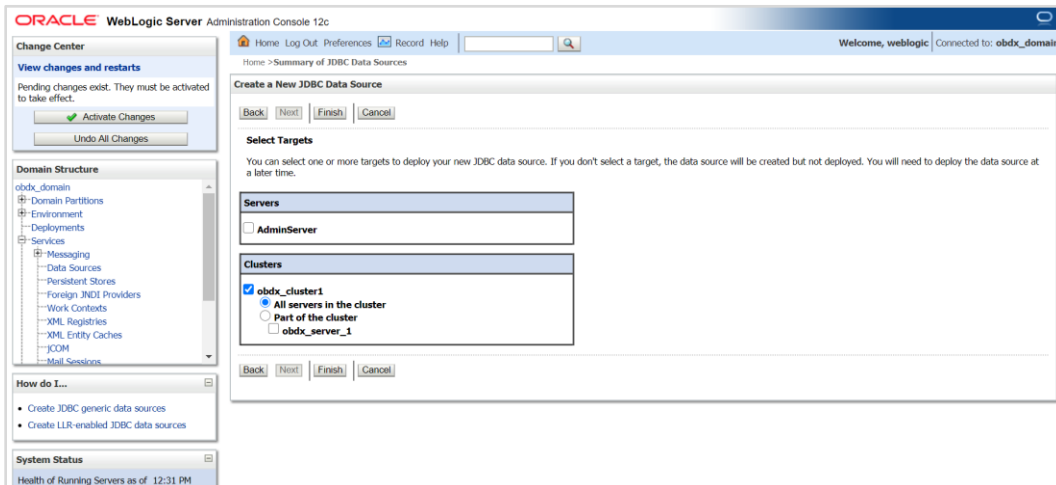
**Port:** - Database port Number

**Database user Name:** - OBDX\_\${POST\_FIX}

**Password:-** Database user password



## 10. Test Configuration



## 11. Target Cluster and click on Finish



to take effect.

[Activate Changes](#)  
[Undo All Changes](#)

**Domain Structure**

- obdx\_domain
  - Domain Partitions
  - Environment
    - Deployments
    - Services
      - Messageing**
        - 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 JDBC GridLink data sources
- Create JDBC multi data sources
- Create UCP data sources
- Create Proxy data sources

**System Status**

Health of Running Servers as of 12:31 PM

Failed (0)  
Critical (0)

---

**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**

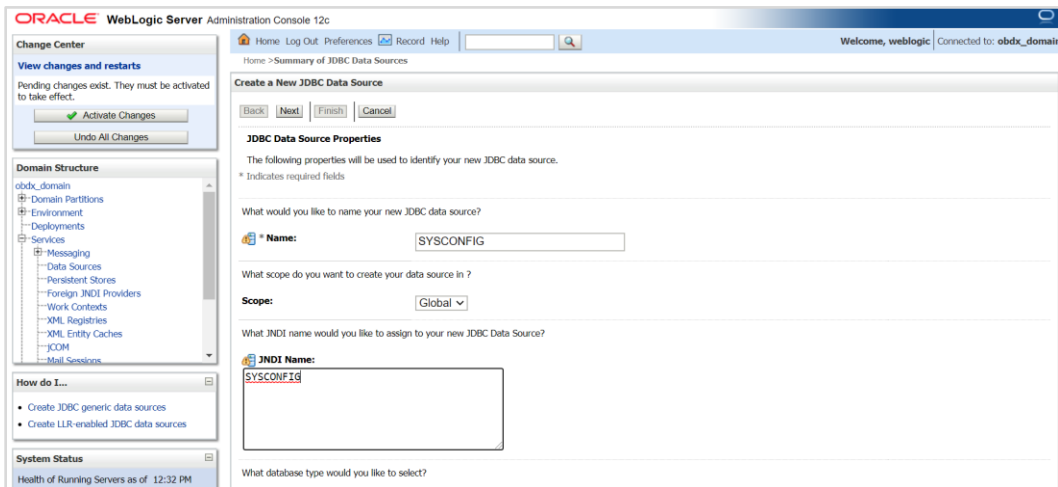
**Data Sources (Filtered - More Columns Exist)**

[New v](#) | [Delete](#) | Showing 1 to 8 of 8 | [Previous](#) | [Next](#)

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Targets
<input type="checkbox"/>	BATCH	Generic	BATCH	obdx_cluster1
<input type="checkbox"/>	DIGX	Generic	DIGX	obdx_cluster1
<input type="checkbox"/>	LocalSvcTblDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer
<input type="checkbox"/>	NONXA	Generic	NONXA	obdx_cluster1
<input type="checkbox"/>	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer
<input type="checkbox"/>	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer
<input type="checkbox"/>	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer
<input type="checkbox"/>	WLSschemaDataSource	Generic	jdbc/WLSschemaDataSource	

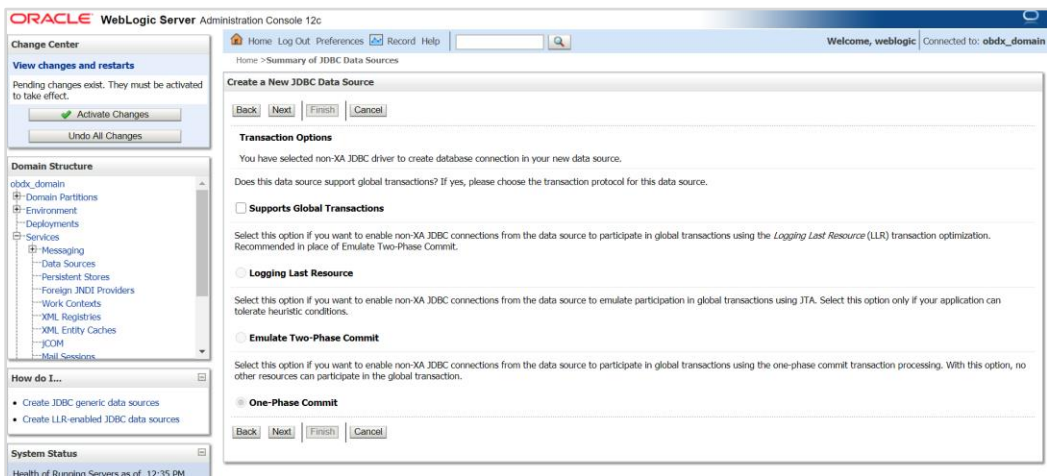
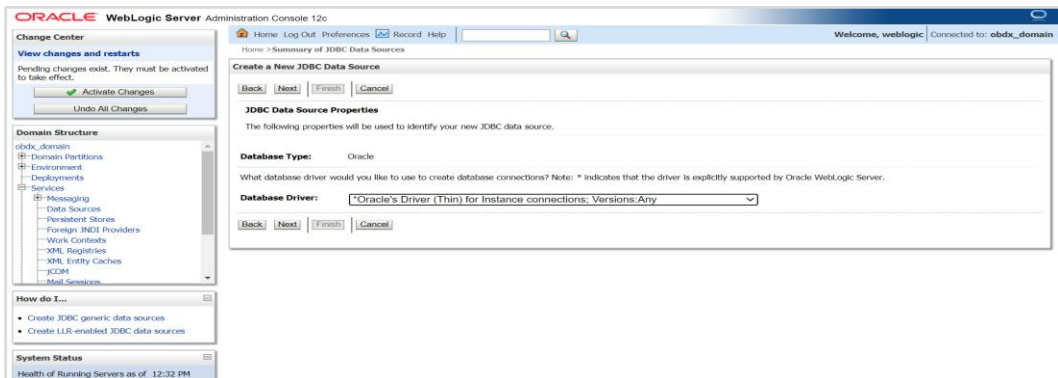
[New v](#) | [Delete](#) | Showing 1 to 8 of 8 | [Previous](#) | [Next](#)

## 3.5 Creating SYSCONFIG data source

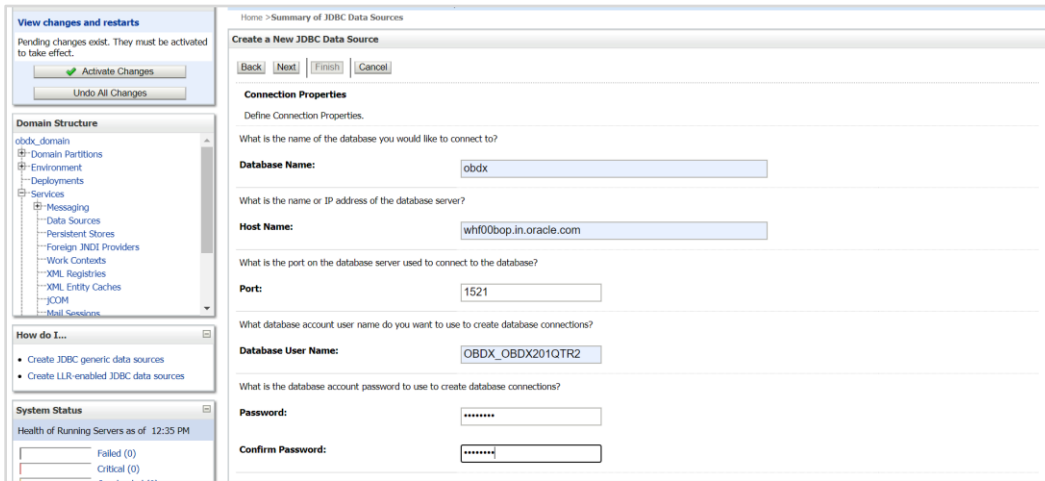


12. Name :- SYSCONFIG

JNDI Name :- SYSCONFIG



13. Click on Next



14. Provide

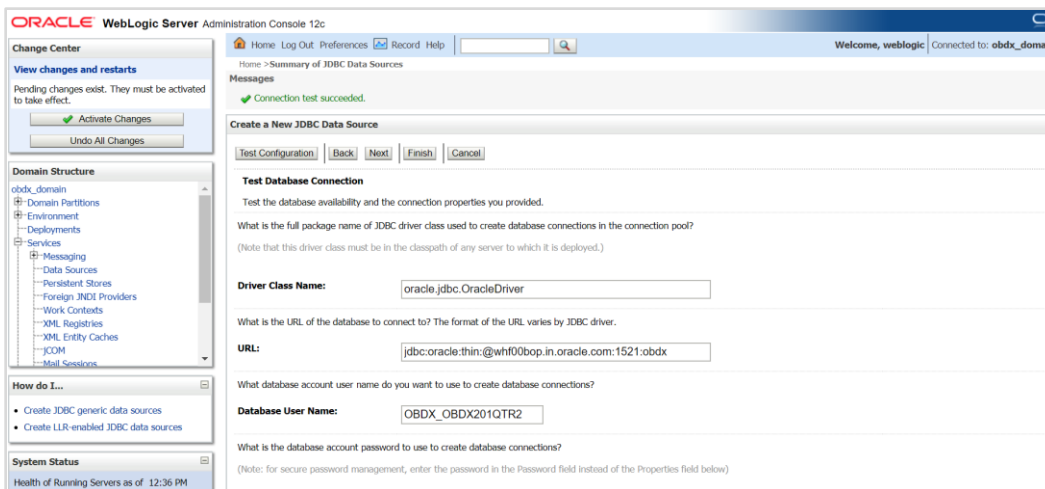
**Database Name:** - Database SID

**Host Name:** - Database hostname

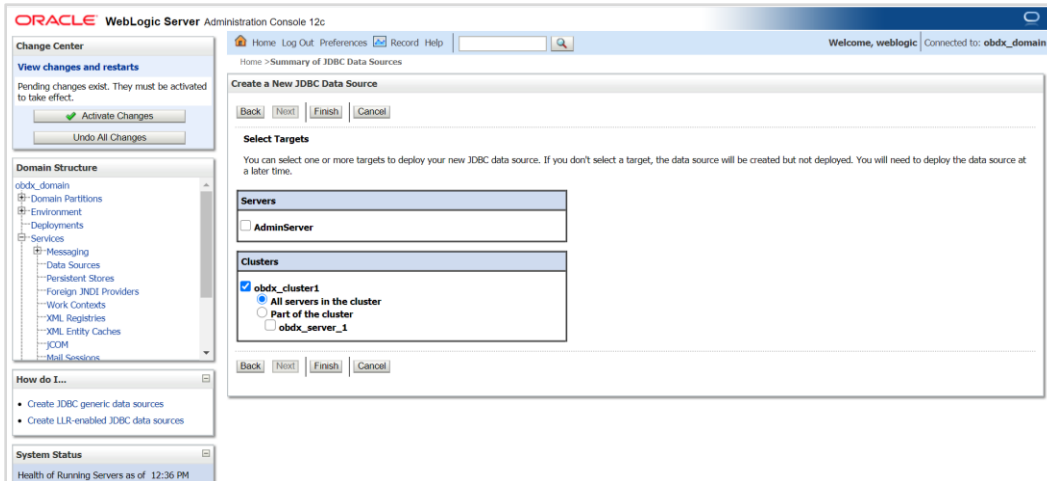
**Port:** - Database port Number

**Database user Name:** - OBDX\_\${POST\_FIX}

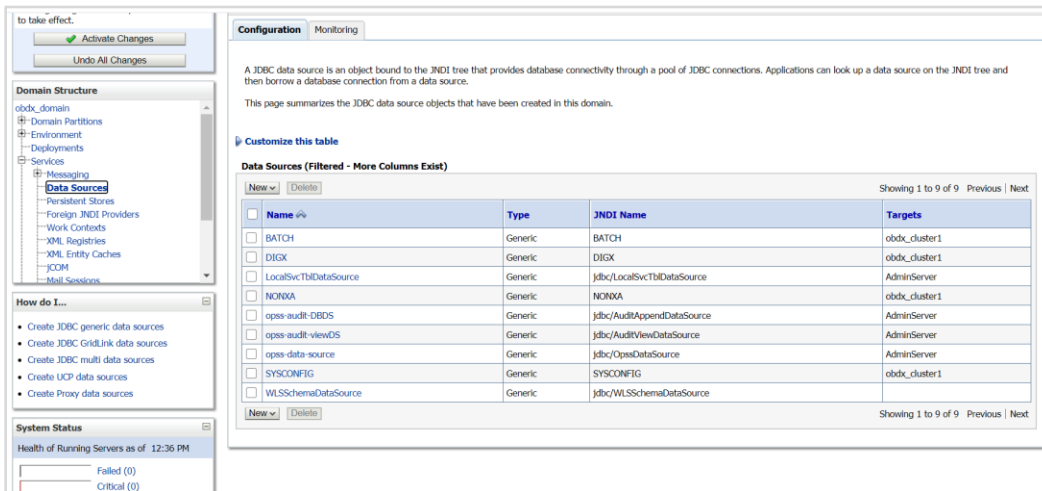
**Password:-** Database user password



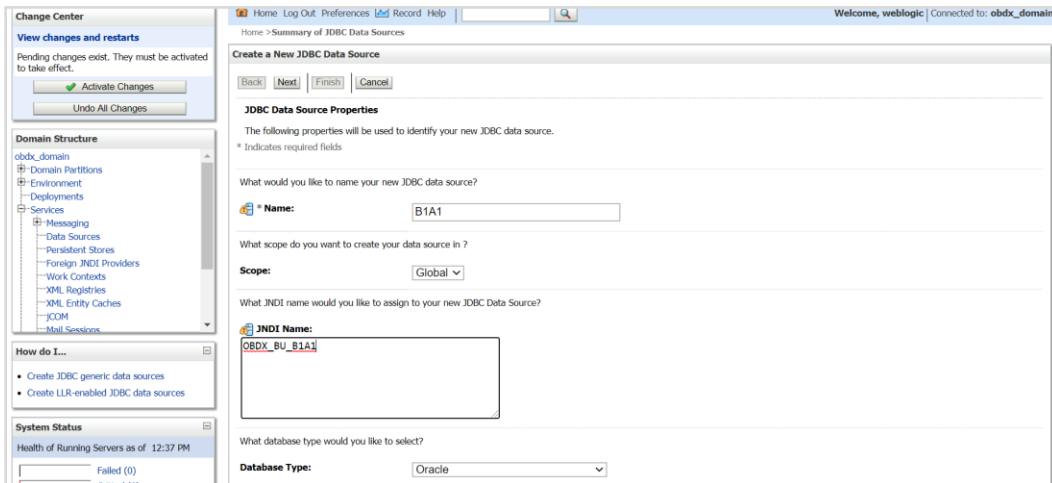
15. Test Configuration



16. Select target as cluster and click on Finish

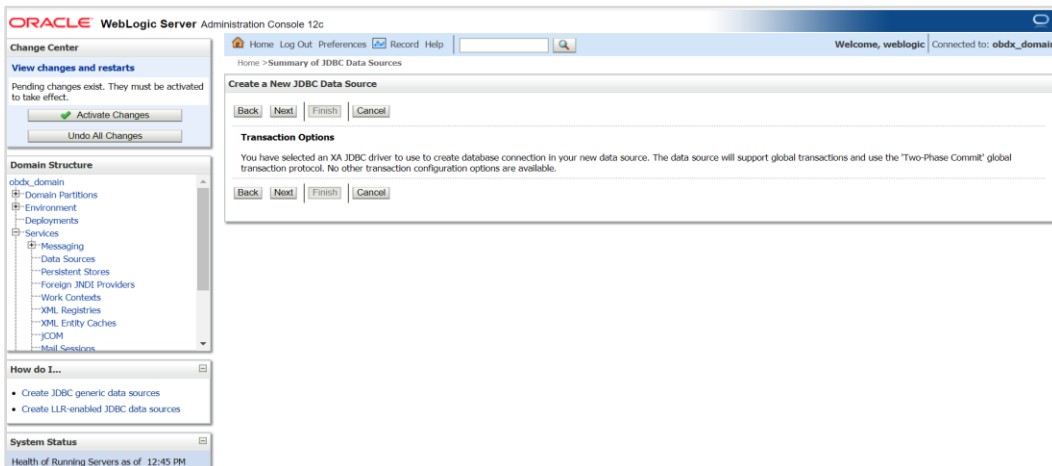
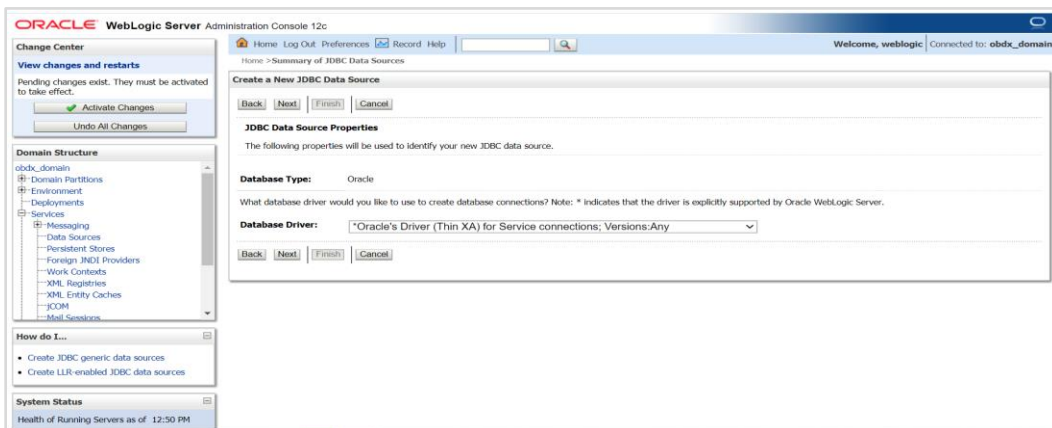


### 3.6 Creating B1A1 data source



17. Name:- B1A1

JNDI Name :- OBDX\_BU\_B1A1



18. Click on Next

19. Provide

**Database Name:** - Database SID (\$EHMS\_DATABASE\_SID)

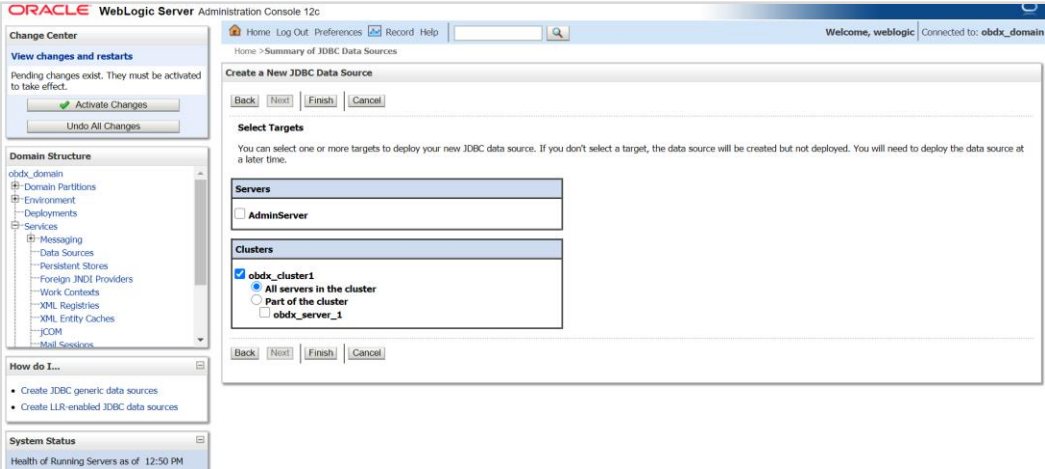
**Host Name:** - Database hostname (\$EHMS\_DATABASE\_HOSTNAME)

**Port:** - Database port Number (\$EHMS\_DATABASE\_PORT)

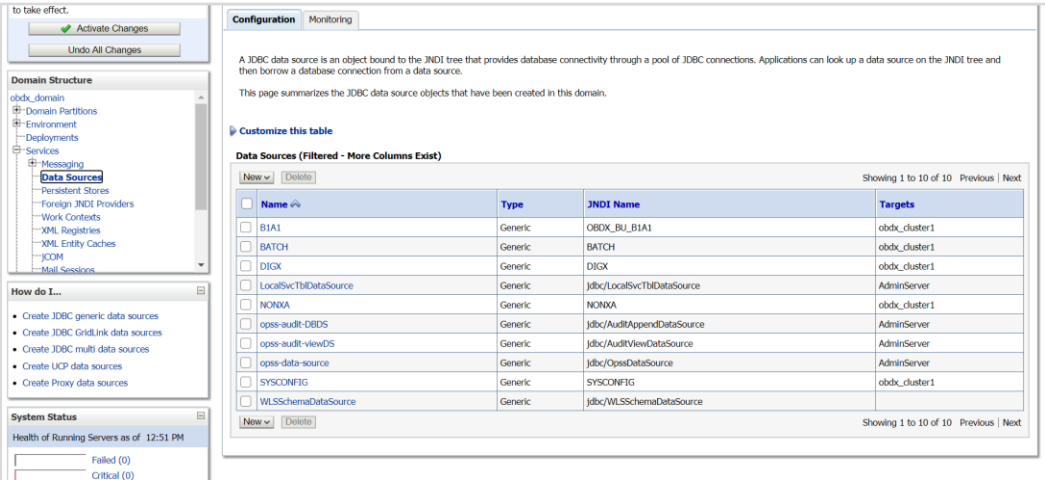
**Database user Name:** - \${ EHMS\_SCHEMA\_NAME }

**Password:** - Database user \${ EHMS\_SCHEMA\_NAME } password

20. Test Configuration

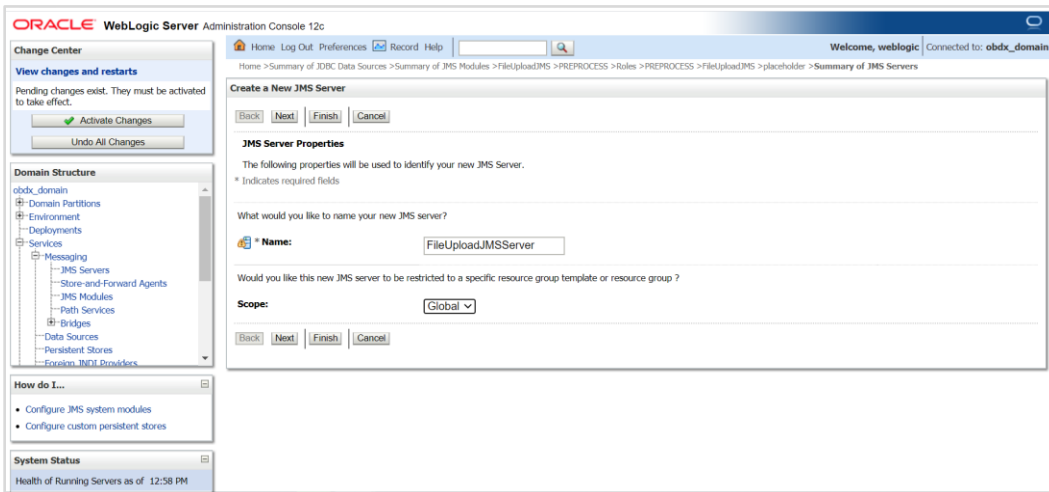
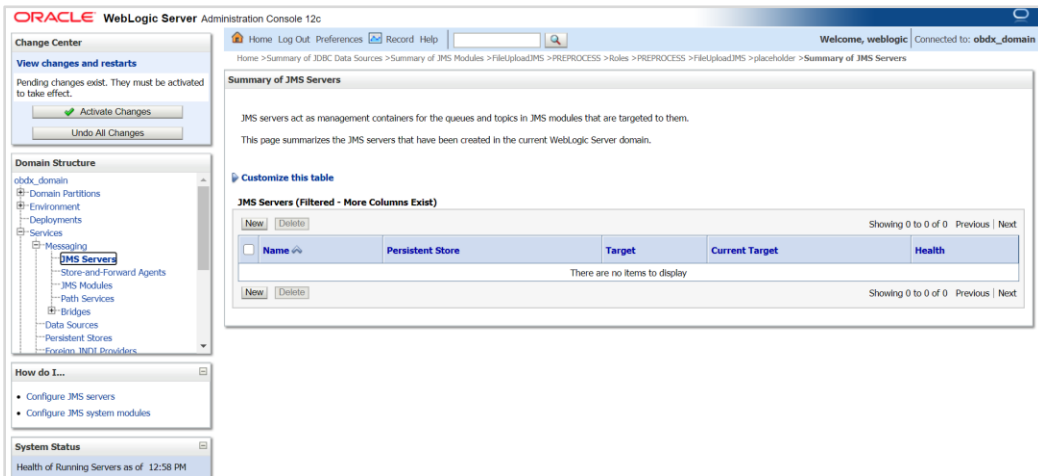


21. Set target as cluster and click on Finish



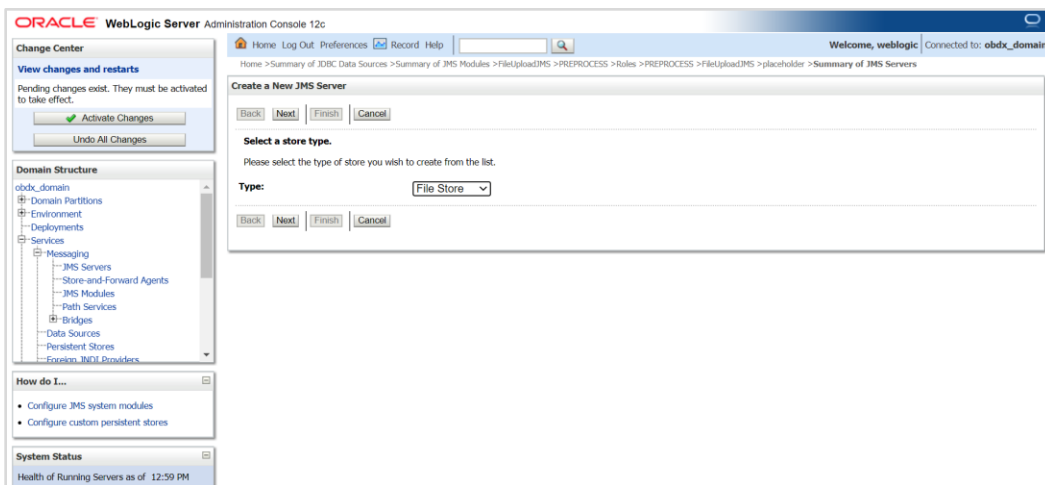
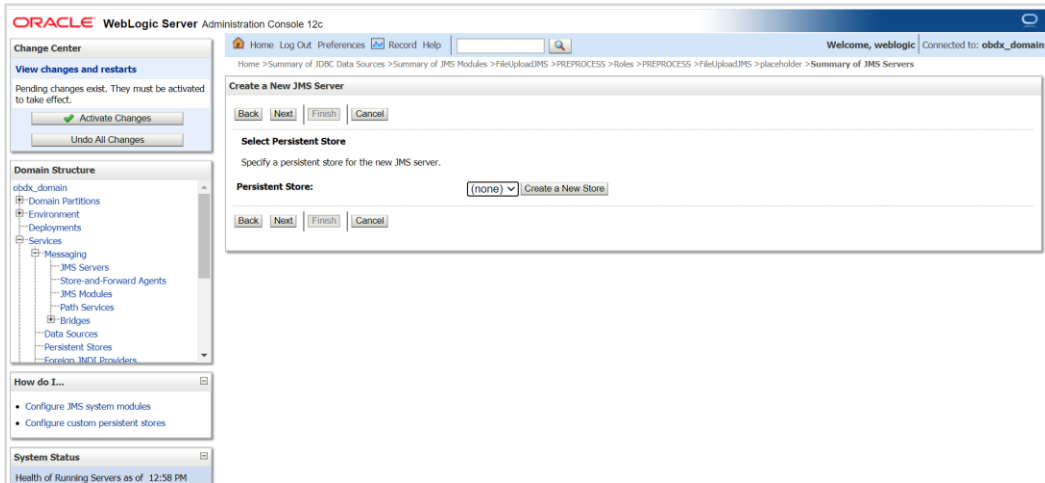
### 3.7 Create JMS server and JMS Module

- Creating FileUploadJMS JSM Module
- Creating WLS\_JMS\_FILEUPLOAD\_PS FileStore
- Creating FileUploadJMSServer JMS Server

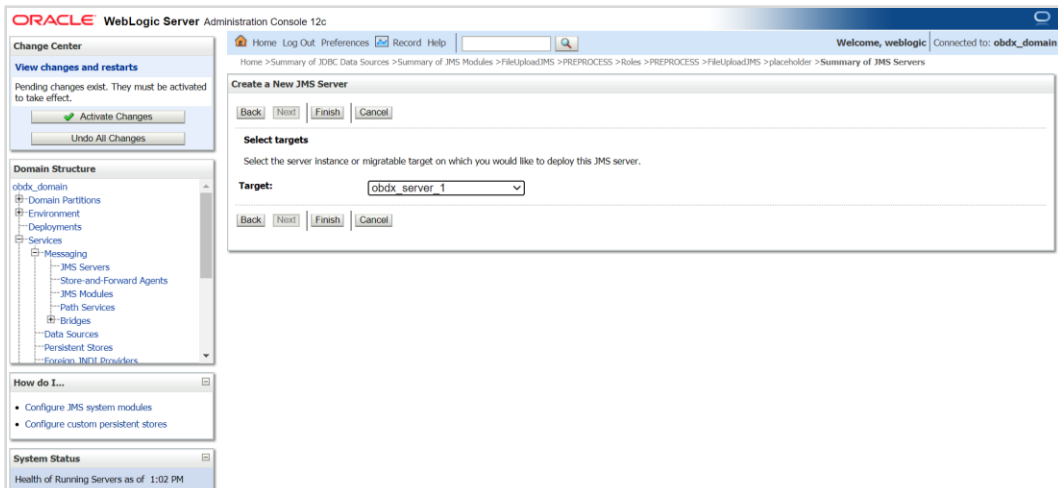


22. Click on JMS Servers → Name – FileUploadJMSServer -- > Click on Next

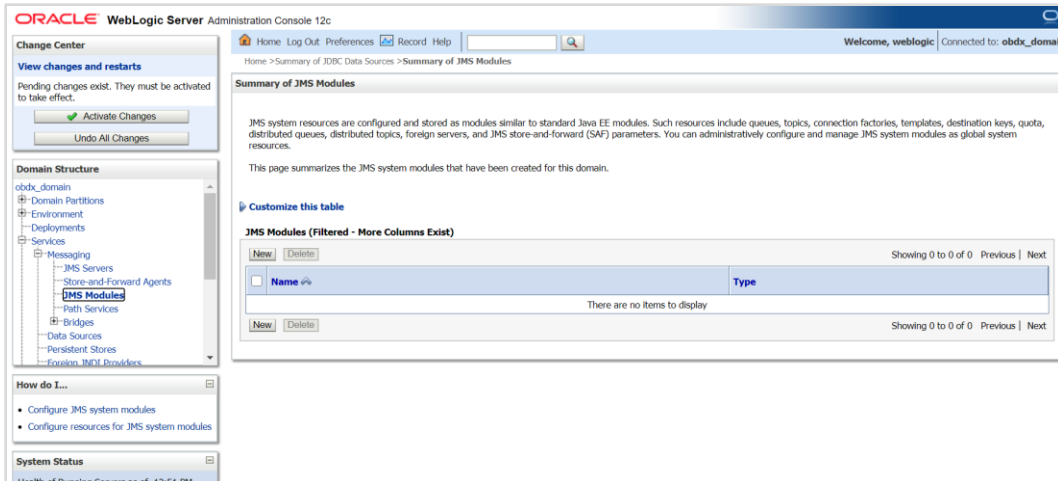




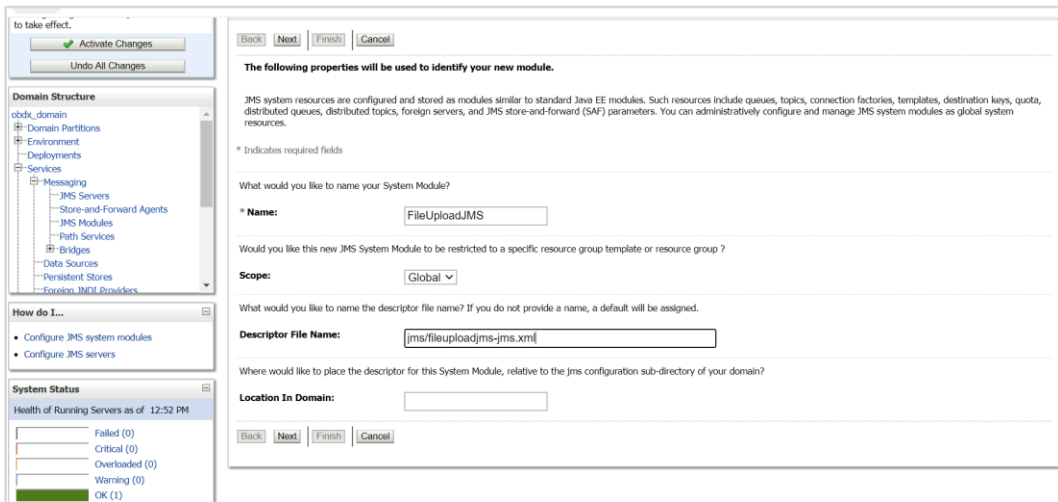
23. Select Type as File Store and click on Next



24. Select target as managed server and click on Finish



25. Left hand side click on JMS Module -- click on New

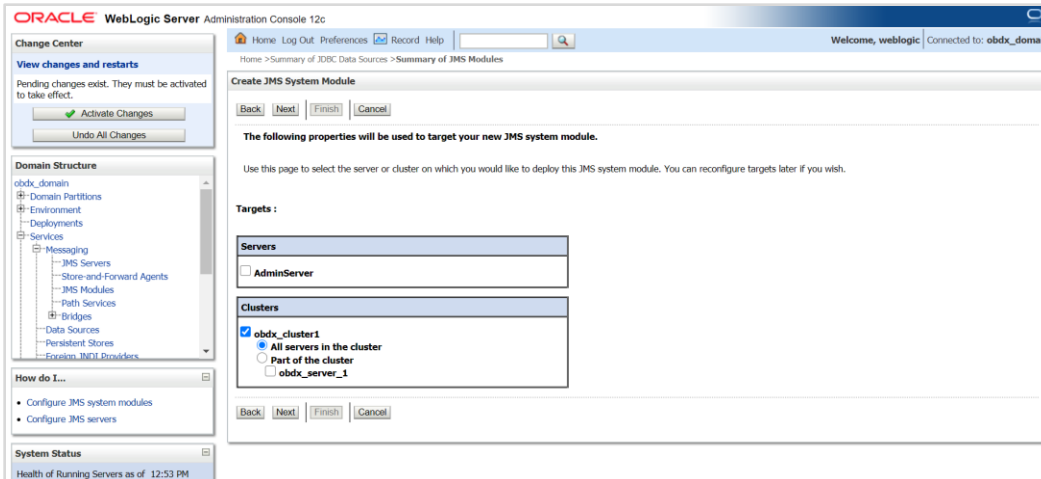


26. Name :- FileUploadJMS

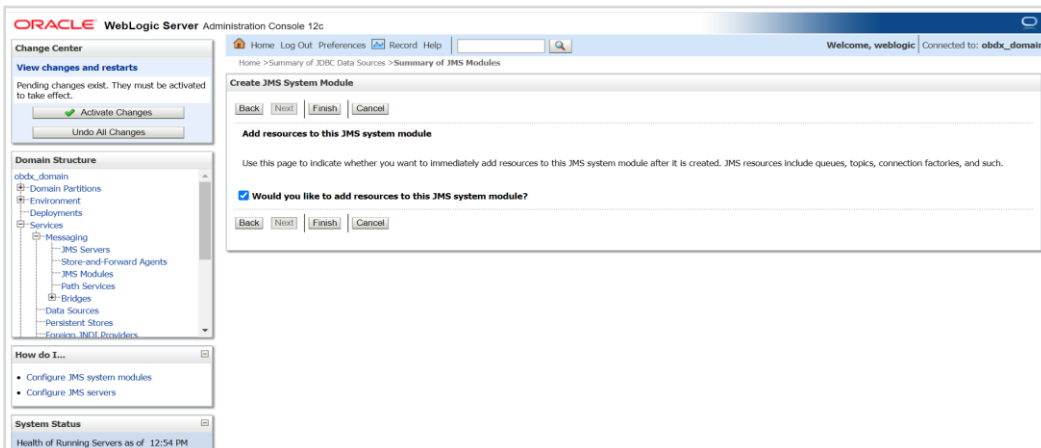
Scope:- Global

Descriptor File Name:- jms/fileuploadjms-jms.xml

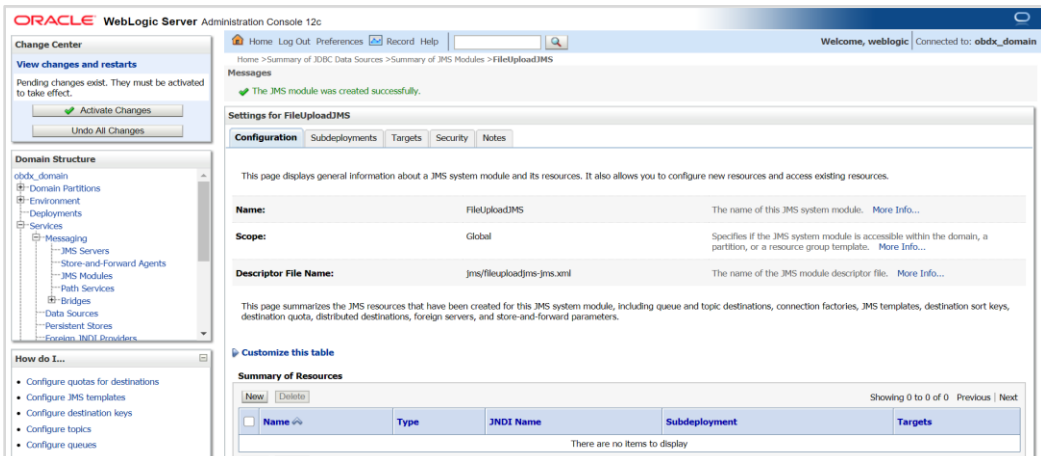
27. Click on Next



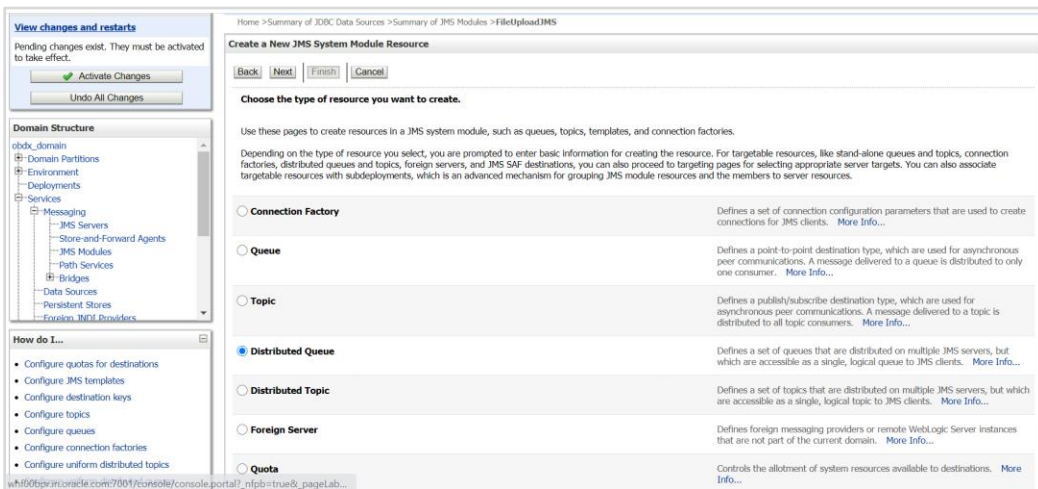
28. Set target as cluster → click on Next



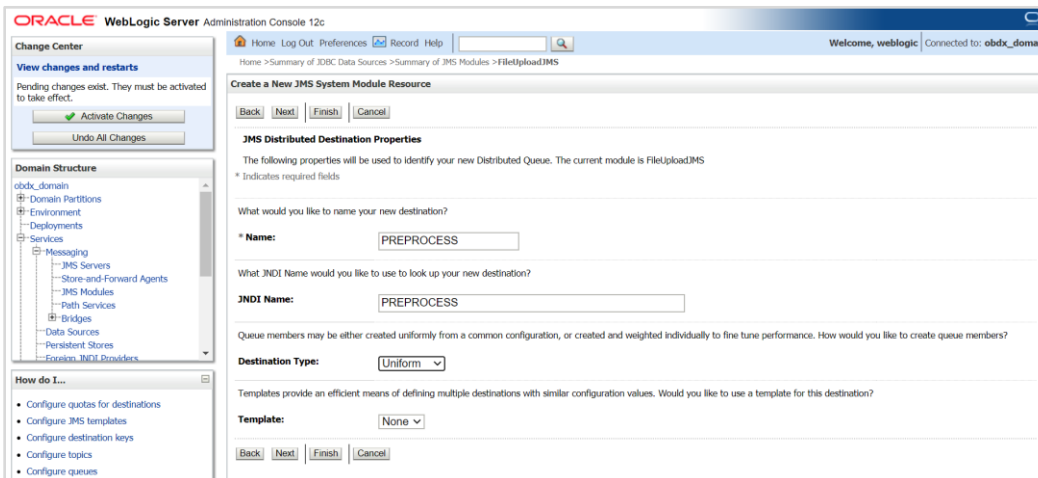
29. Select Would you like to add resources to this JMS system module and click on finish



30. Select new



31. Select Distributed Queue and click next



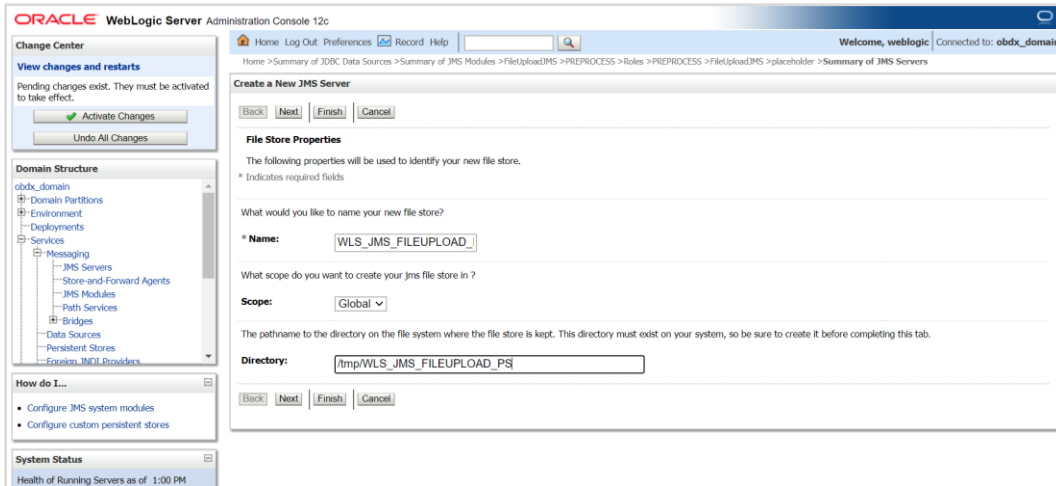
32. Provide

**Name:** - PREPROCESS

**JNDI Name:** - PREPROCESS

**Destination Type:** - Uniform

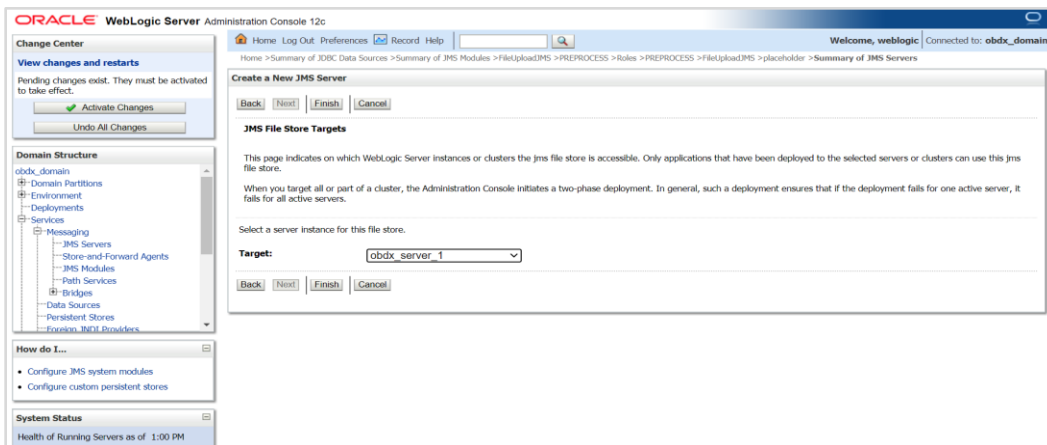
**Template:** - None



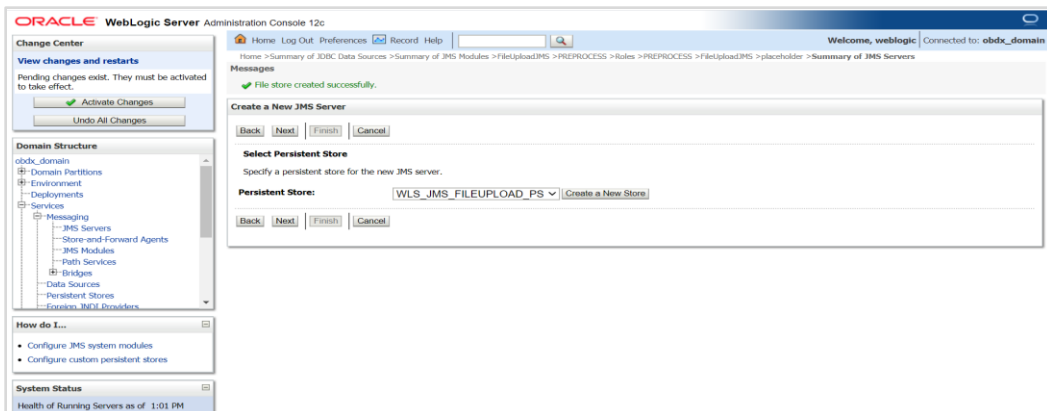
33. Name :- WLS\_JMS\_FILEUPLOAD\_PS

Scope :- Global

Directory :- /tmp/WLS\_JMS\_FILEUPLOAD\_PS

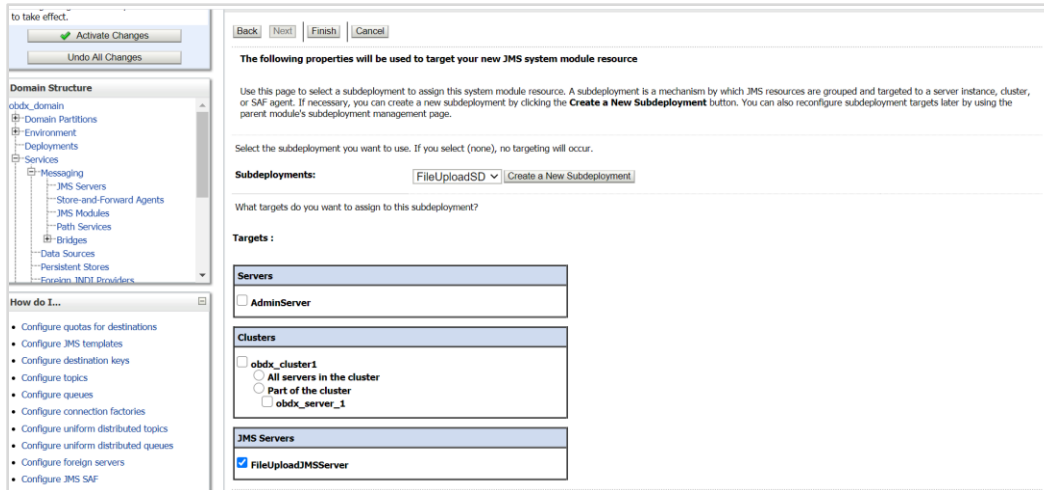


34. Select target as managed server

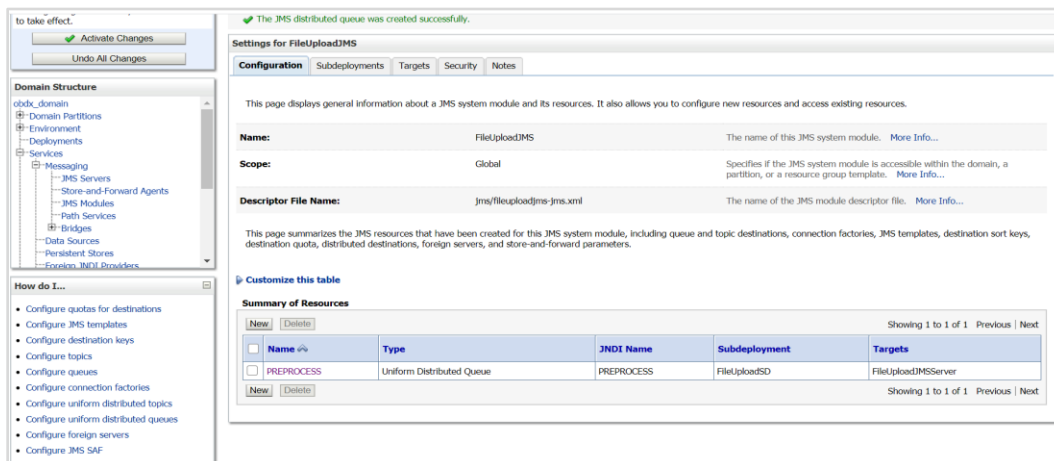


35. Select WLS\_JMS\_FILEUPLOAD\_PS and click on Next

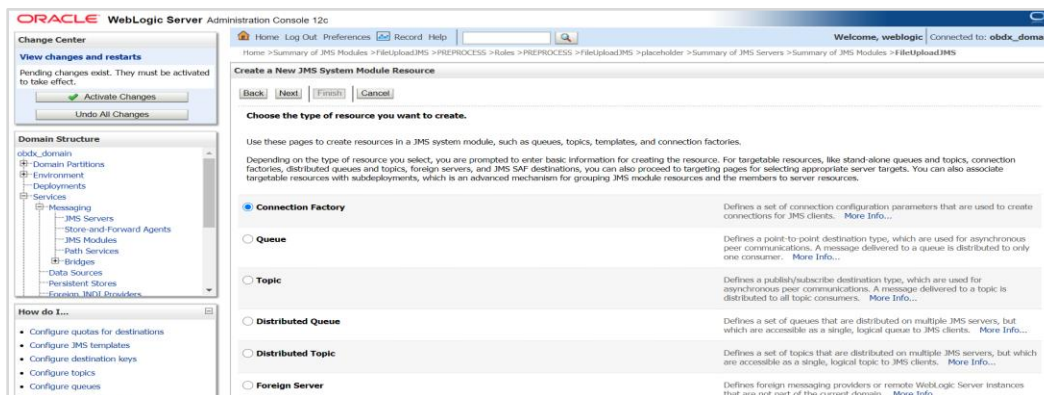
36. Select Create a New Subdeployment and create FileUploadSD



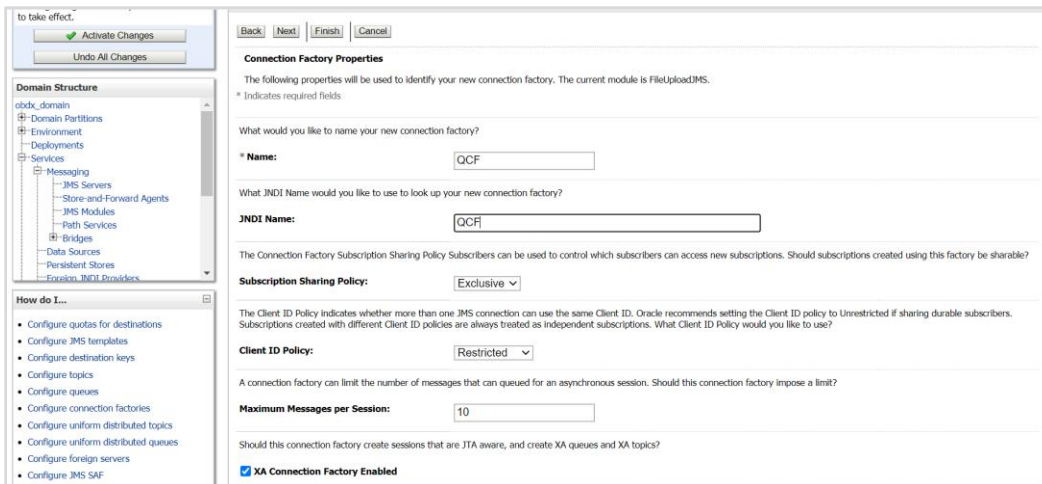
37. Select FileUploadJMSServer and click on Finish



38. Similarly Go into FileuploadJMS module and click on Next



39. Select Connection factory → Click Next



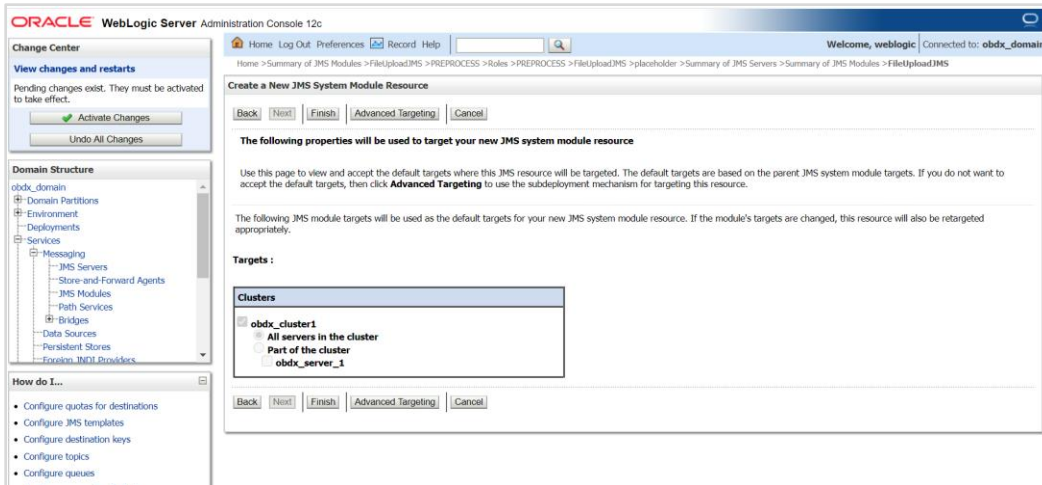
#### 40. Provide

**Name :- OCF**

**JNDI Name :- OCF**

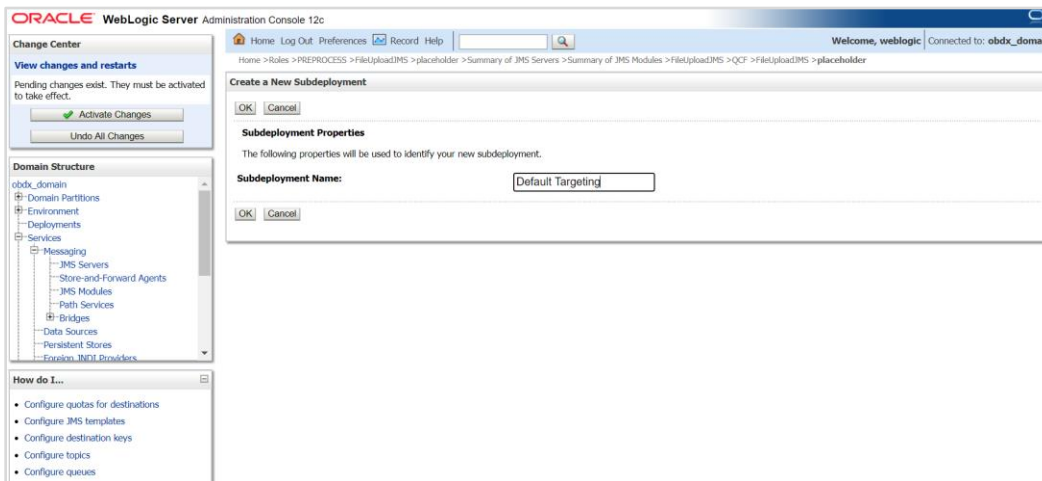
**Subscription Sharing Policy :- Exclusive**

**Client ID Policy :- Restricted**

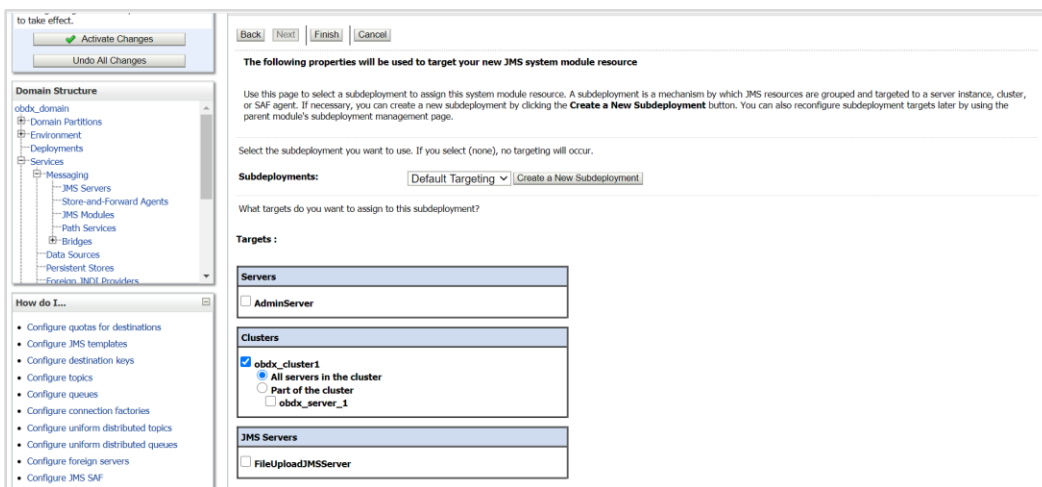




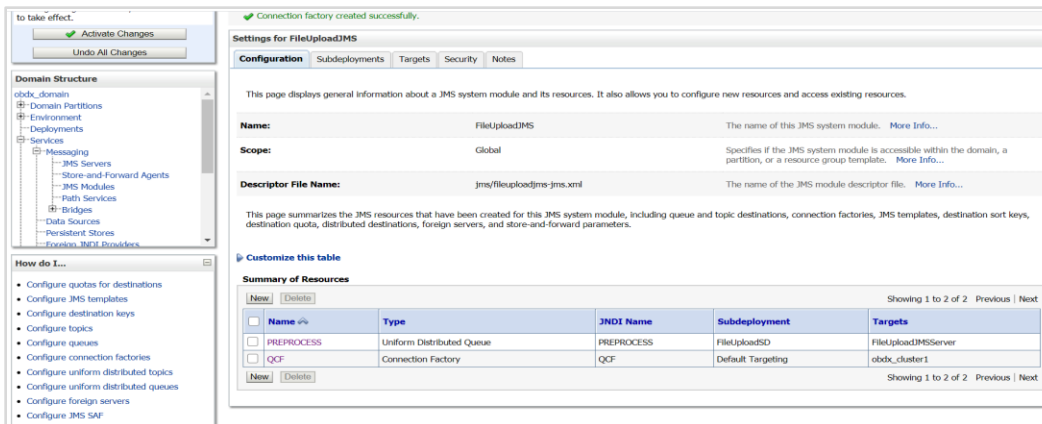
41. Click on Advanced targeting



42. Provide Subdeployment Name as Default Targeting

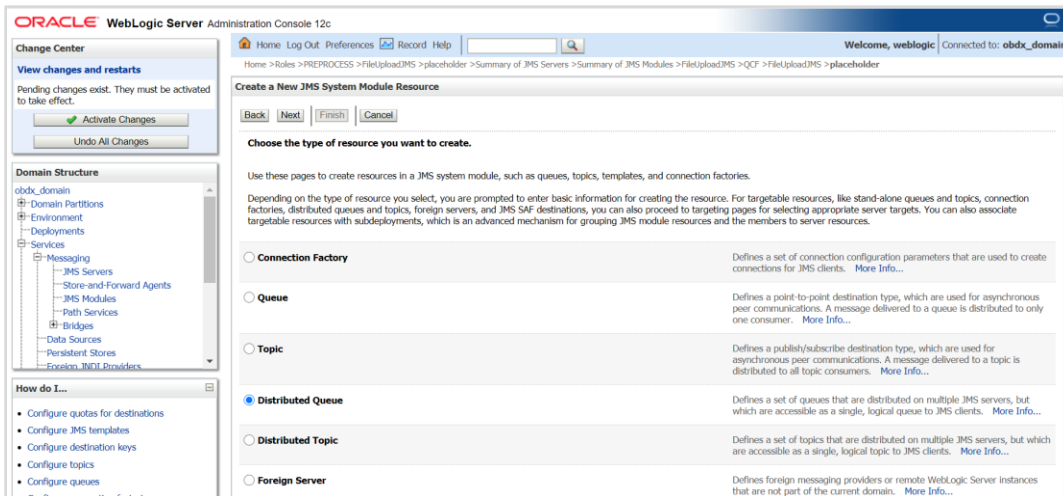


43. Select cluster and click on Finish

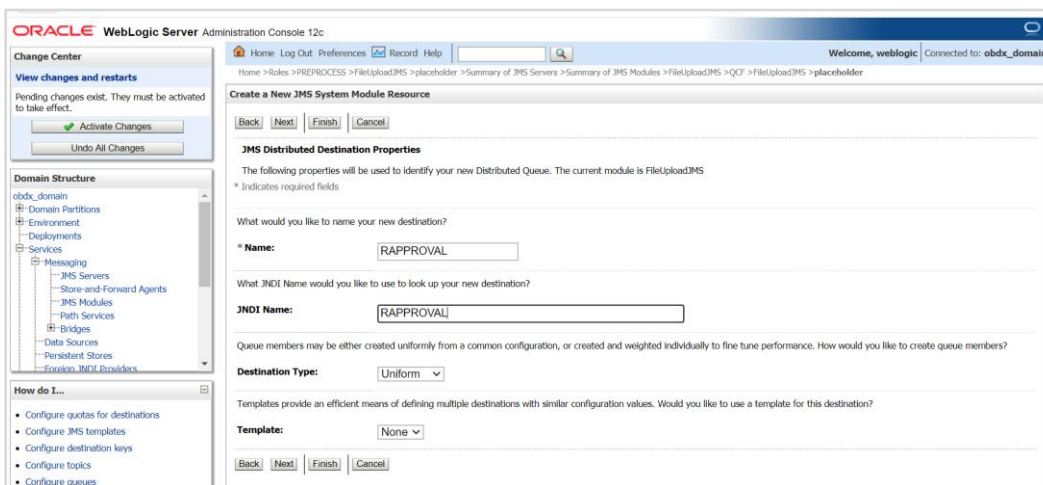




44. Go to FileUpload JMS click on New



45. Select Distributed Queue



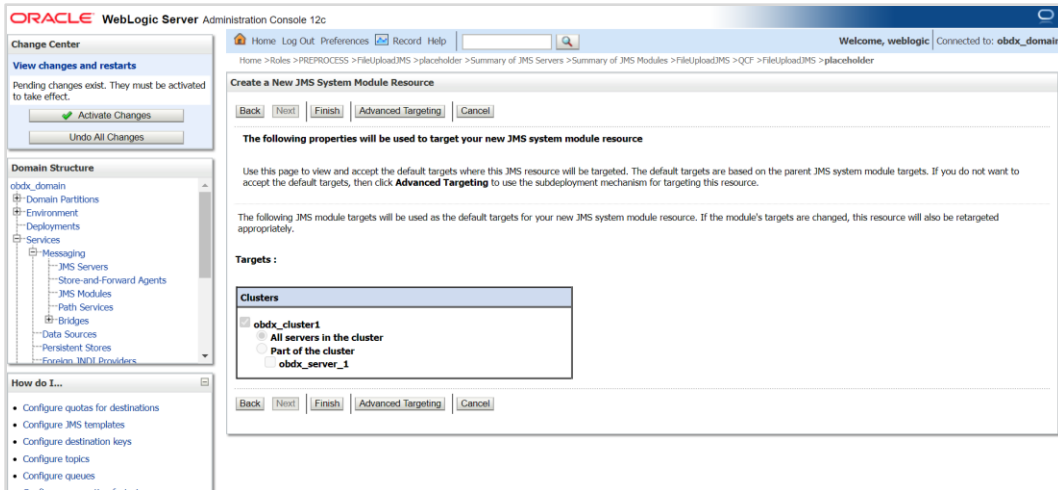
46. Provide

**Name :-** RAPPROVAL

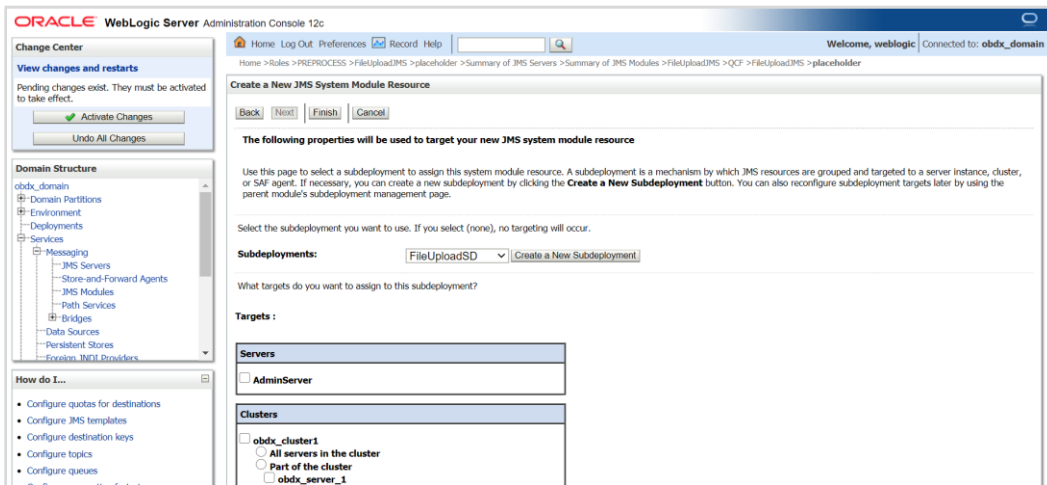
**JNDI Name :-** RAPPROVAL

**Destination Type:-** Uniform

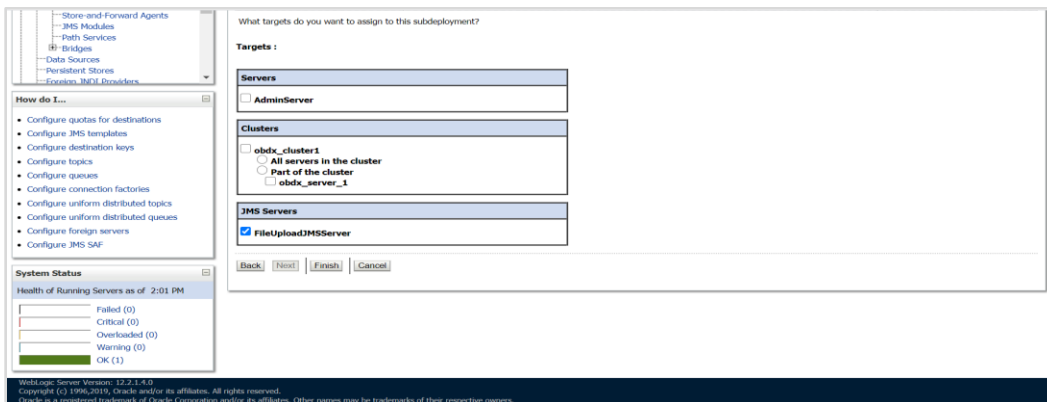
**Template :-** None



47. Select Advance targeting



48. Select Subdeployment :- FileUploadSD



49. Select FileUploadJMSServer and click on Finish

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

**Name:** FileUploadJMS The name of this JMS system module. [More Info...](#)

**Scope:** Global Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)

**Descriptor File Name:** jms/fileuploadjms-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

[Customize this table](#)

**Summary of Resources**

[New](#) [Delete](#) Showing 1 to 3 of 3 [Previous](#) | [Next](#)

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	PREPROCESS	Uniform Distributed Queue	PREPROCESS	FileUploadSD	FileUploadJMSServer
<input type="checkbox"/>	QCF	Connection Factory	QCF	Default Targeting	obdc_cluster1
<input type="checkbox"/>	RAPPROVAL	Uniform Distributed Queue	RAPPROVAL	FileUploadSD	FileUploadJMSServer

[New](#) [Delete](#) Showing 1 to 3 of 3 [Previous](#) | [Next](#)

**How do I...**

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

**System Status**

Health of Running Servers as of 2:01 PM

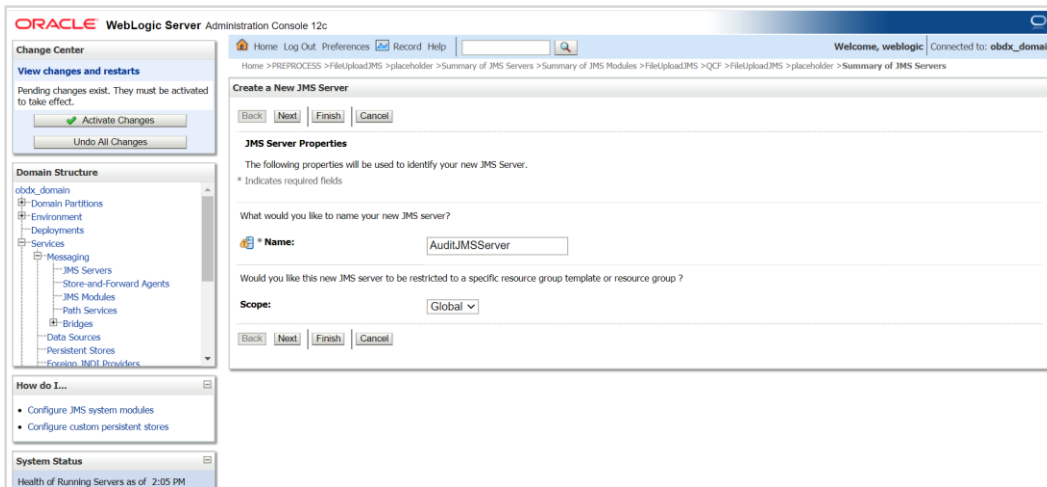
Failed (0)

Critical (0)

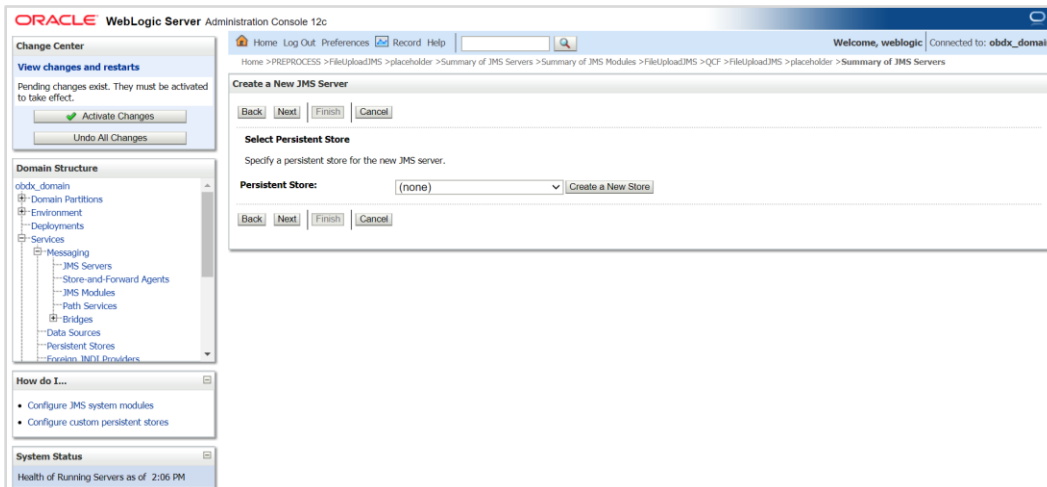
### 3.8 Creating WLS JMS AUDIT PS FileStore

### 3.9 Creating AuditJMSServer JMS Server

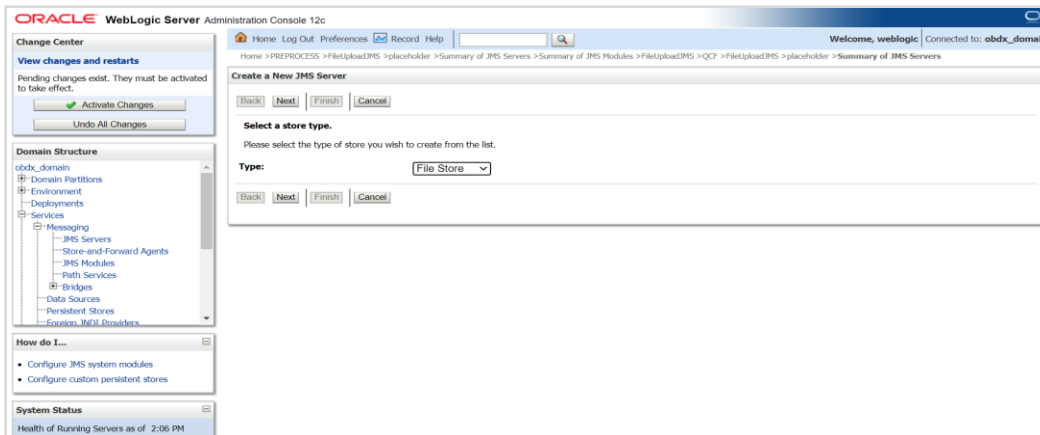
### 3.10 Creating WLS JMS REPORT PS FileStore



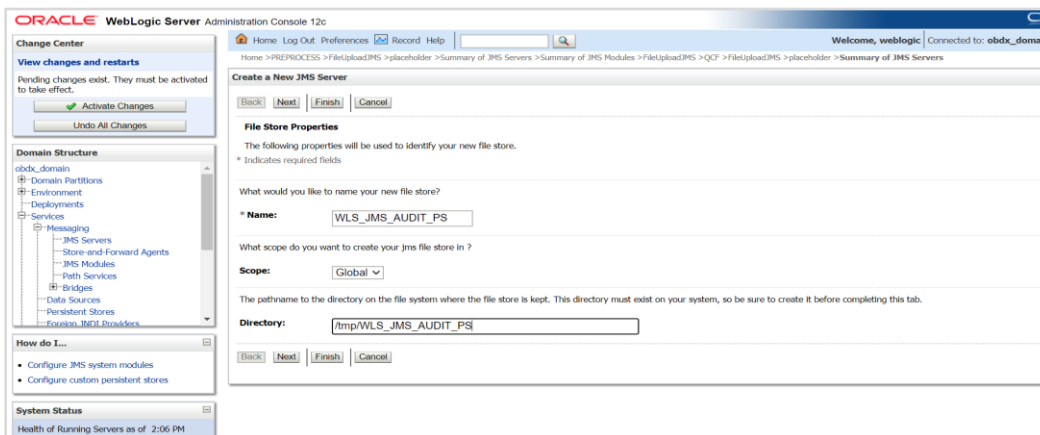
1. Click on JMS server and click on New
2. Provide Name as AuditJMSServer , Scope as Global



3. Click on Create a New Store



4. Select File Store

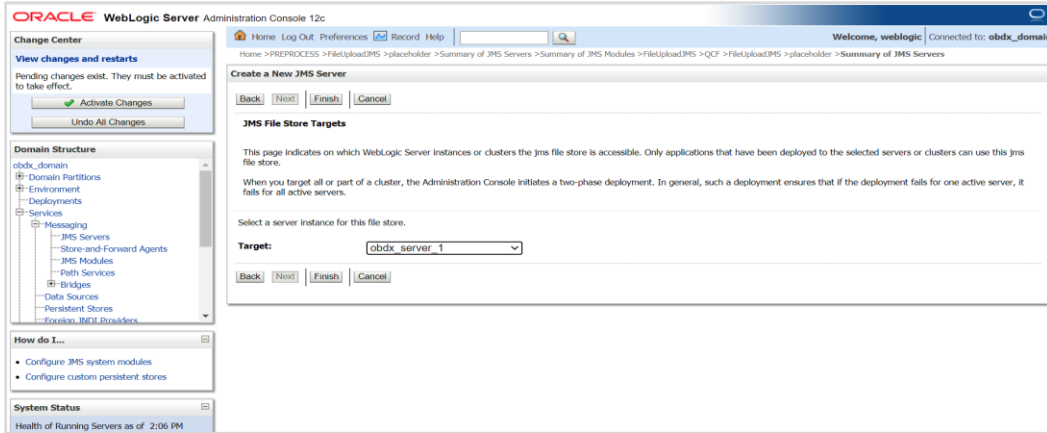


5. Provide

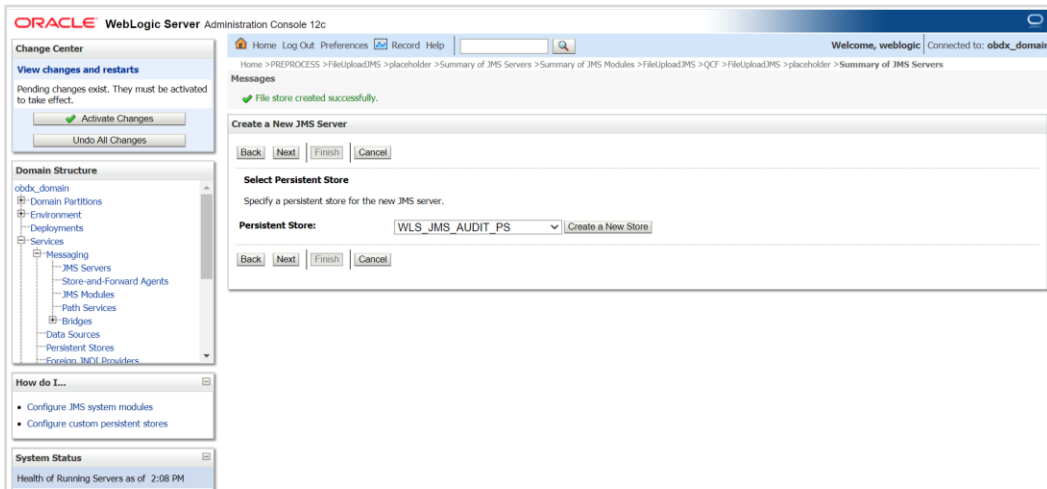
**Name :-** WLS\_JMS\_AUDIT\_PS

**Scope :-** Global

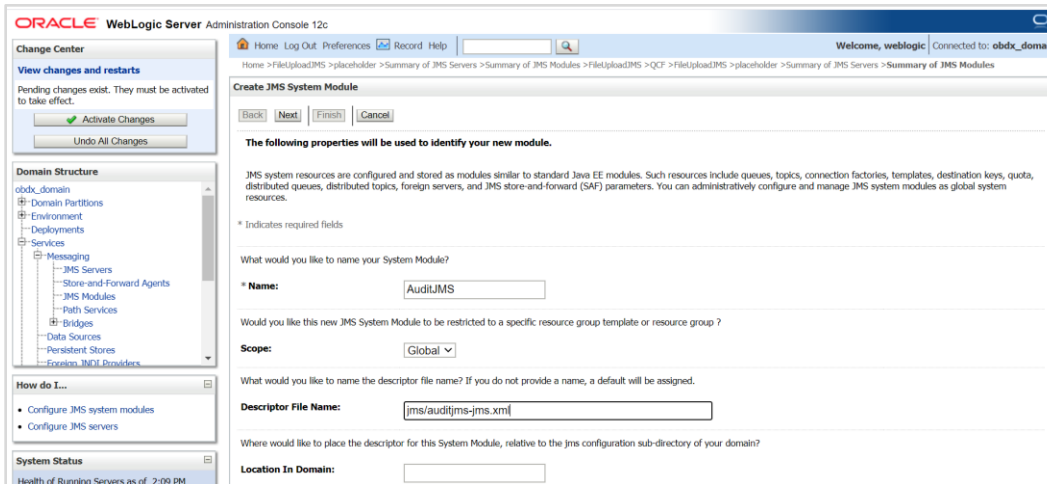
**Directory :-** /tmp/WLS\_JMS\_AUDIT\_PS



6. Select Target as managed server and click on Finish



7. Select the new store created WLS\_JMS\_AUDIT\_PS and click on Next

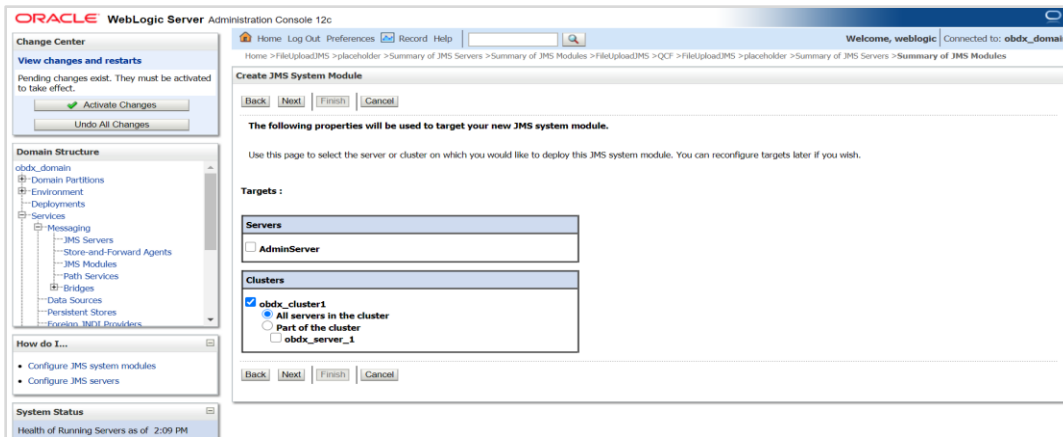


8. Provide

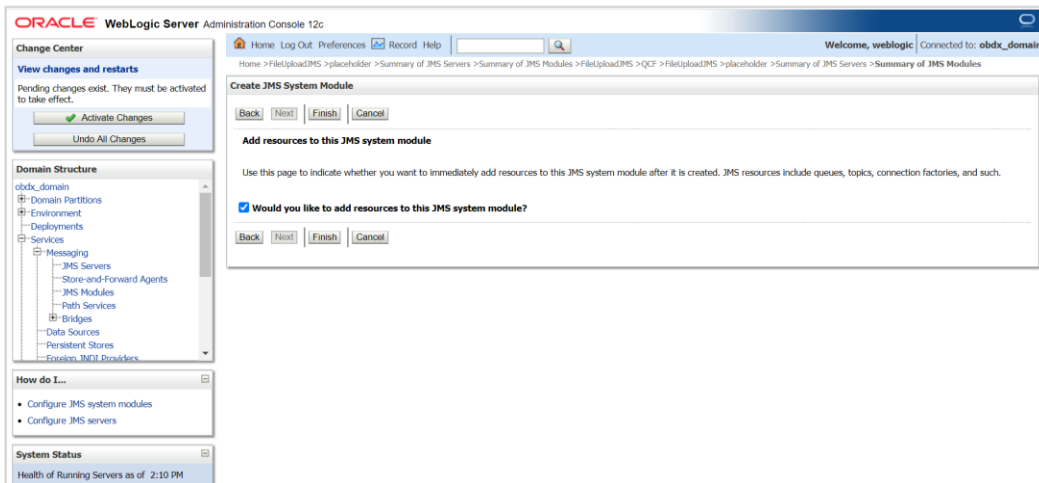
Name :- AuditJMS

Scope :- Global

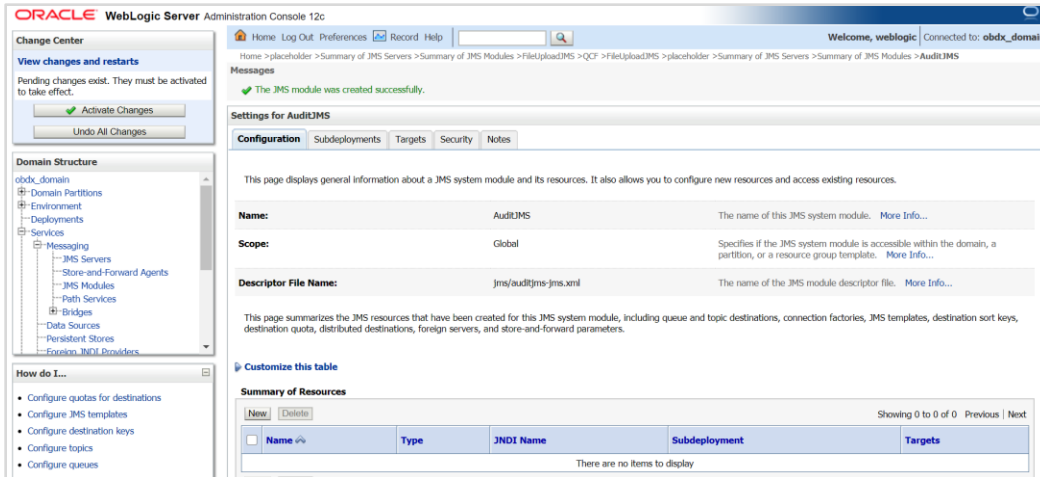
Descriptor File Name:- jms/auditjms-jms.xml



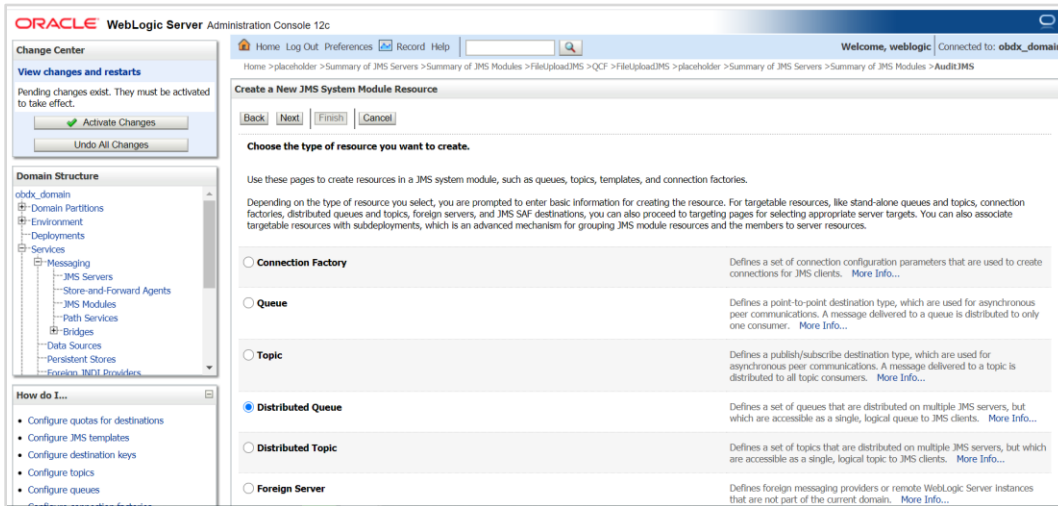
9. Select Cluster as a target



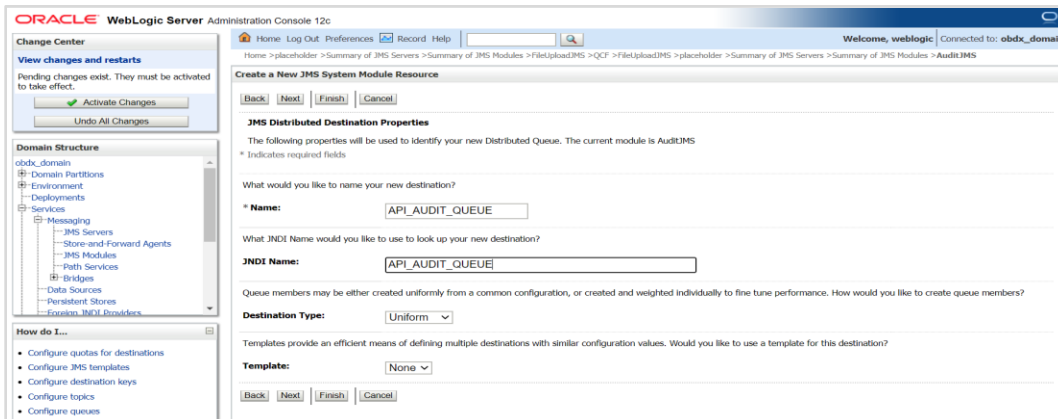
10. Select would you like to add resource to this JMS system module?



## 11. Click on new



## 12. Select Distributed Queue



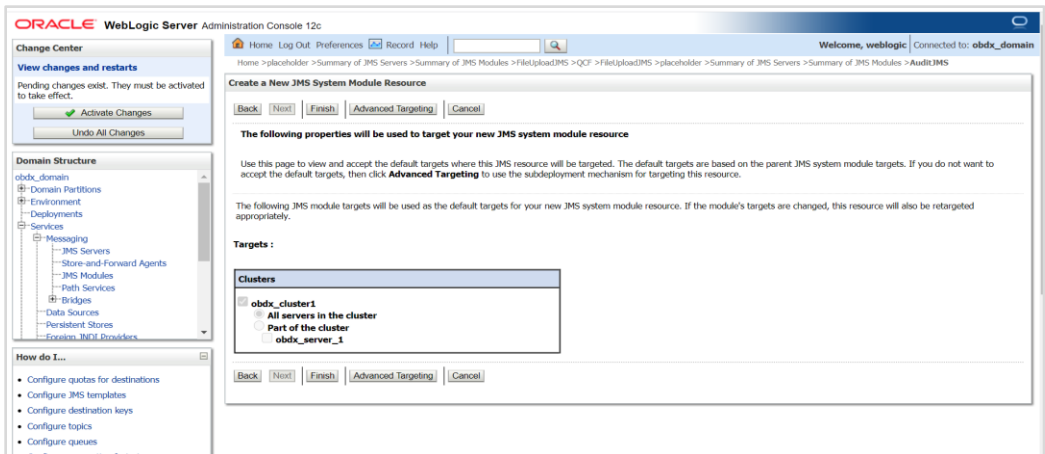


13. Name:- API\_AUDIT\_QUEUE

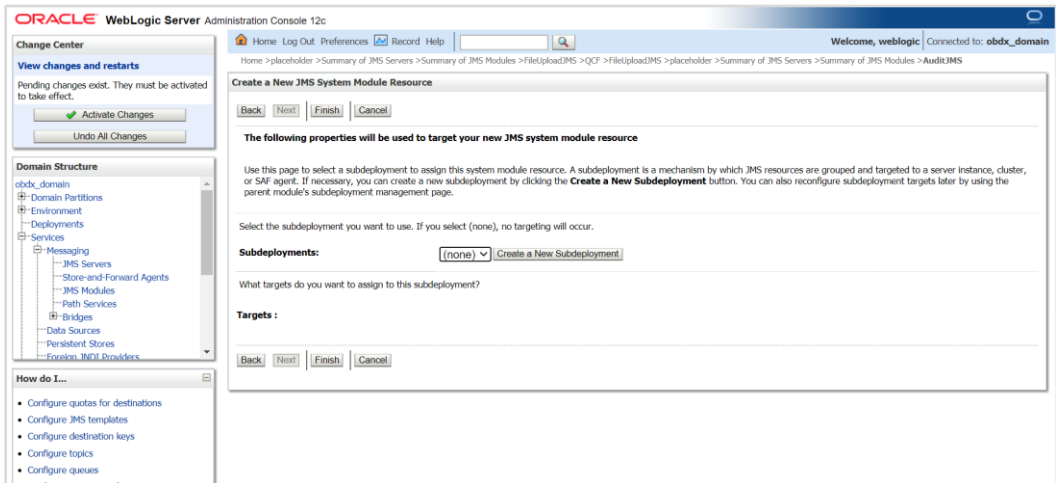
JNDI Name:- API\_AUDIT\_QUEUE

Destination Type :- Uniform

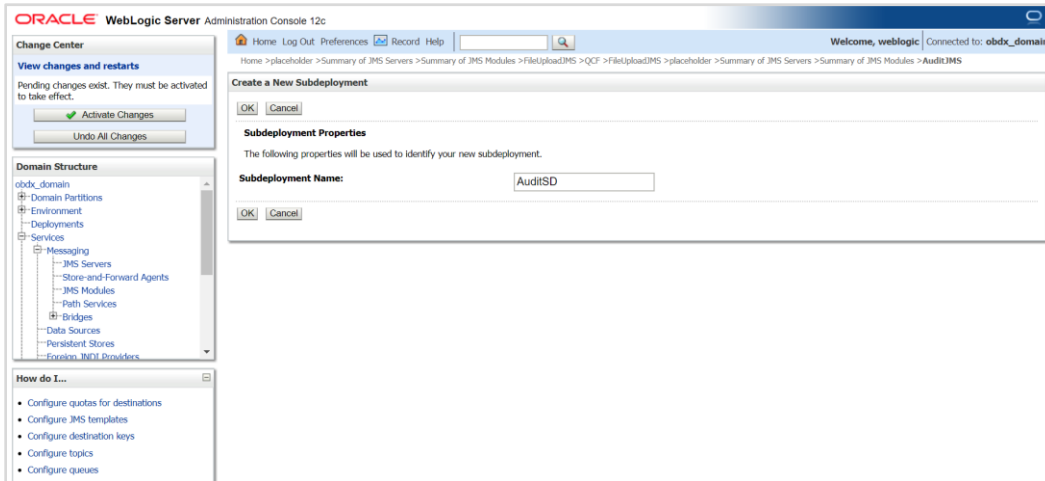
Template:- None



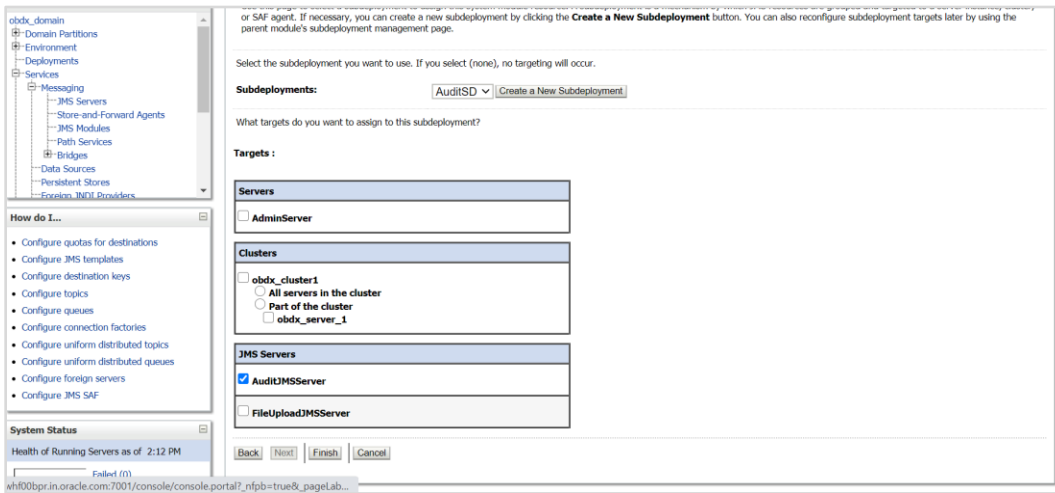
14. Select Advance targeting



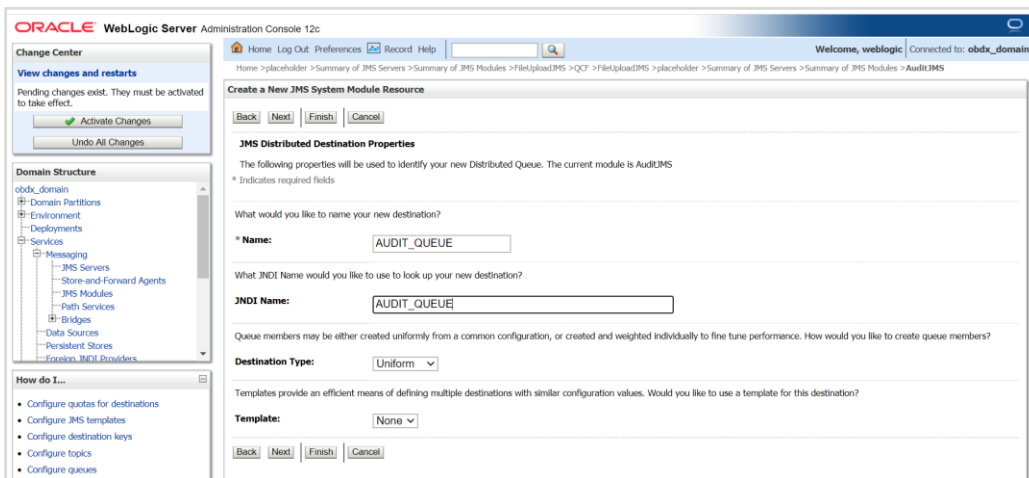
15. Click on Create a New Subdeployment

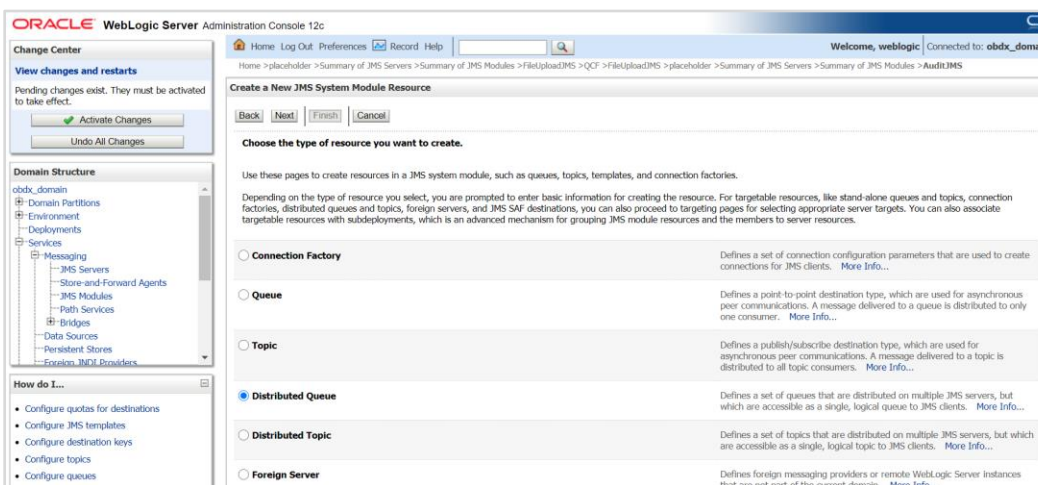
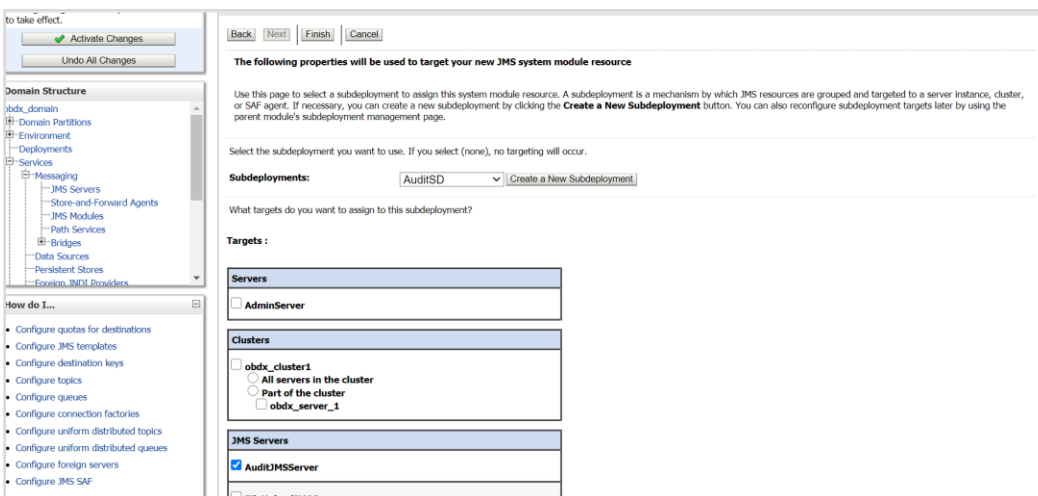
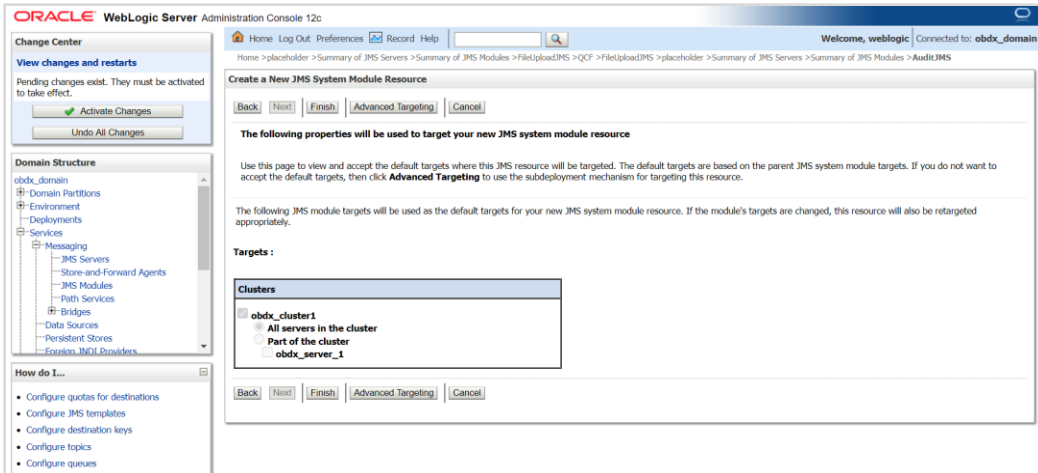


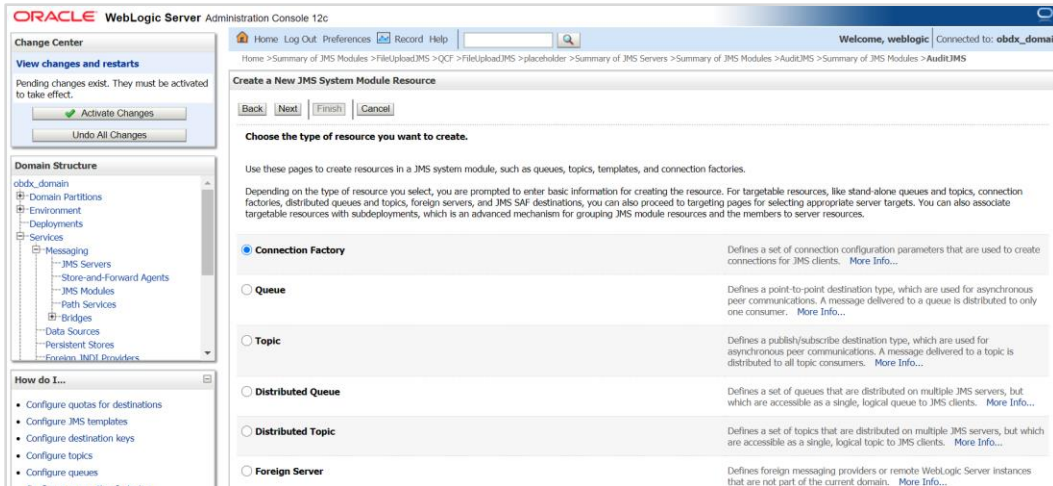
### 16. Provide Subdeployment Name as AuditSD



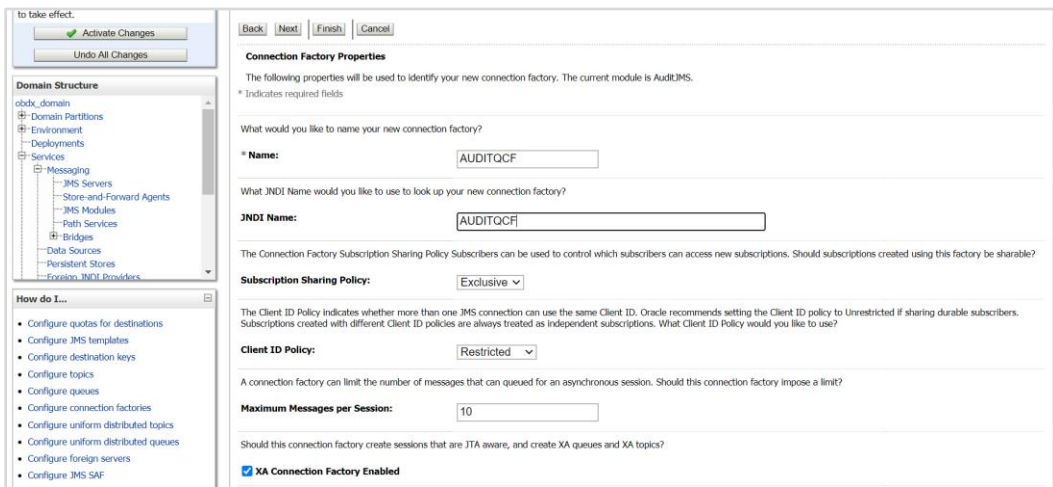
### 17. Select Target as AuditJMServer







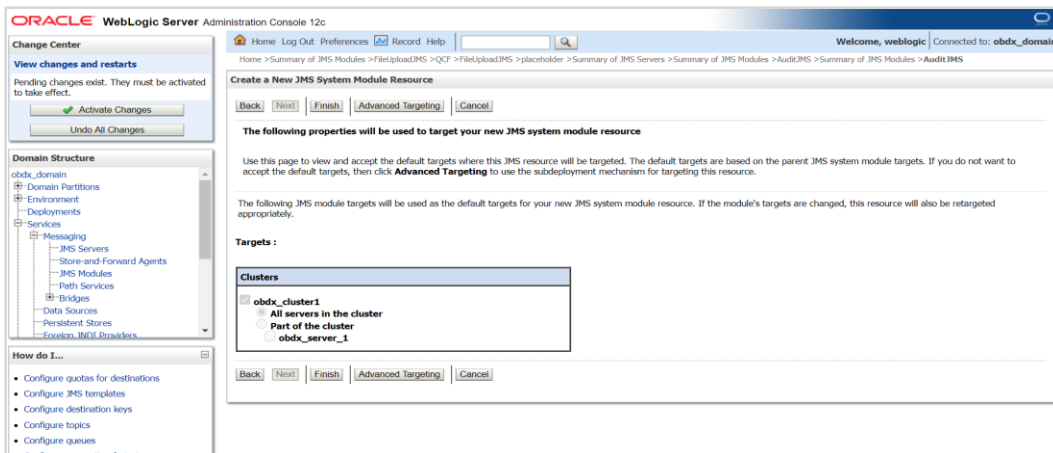
18. Click on connection Factory



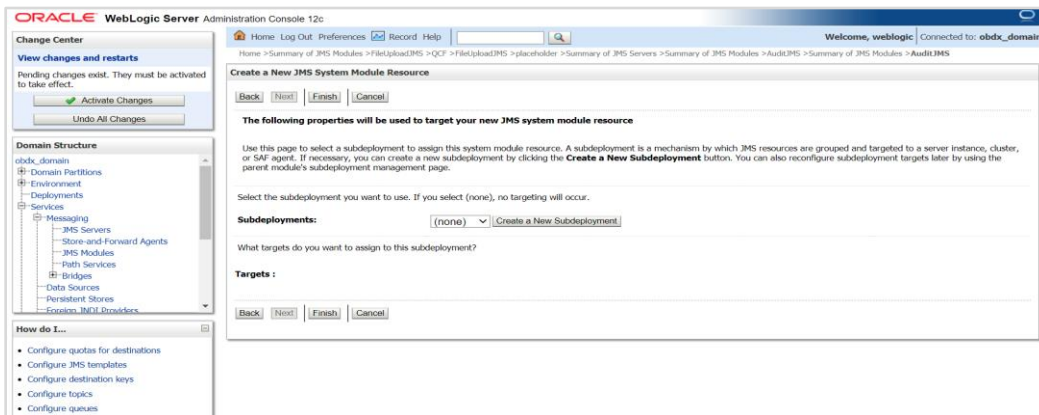
19. Provide

Name :- AUDITQCF

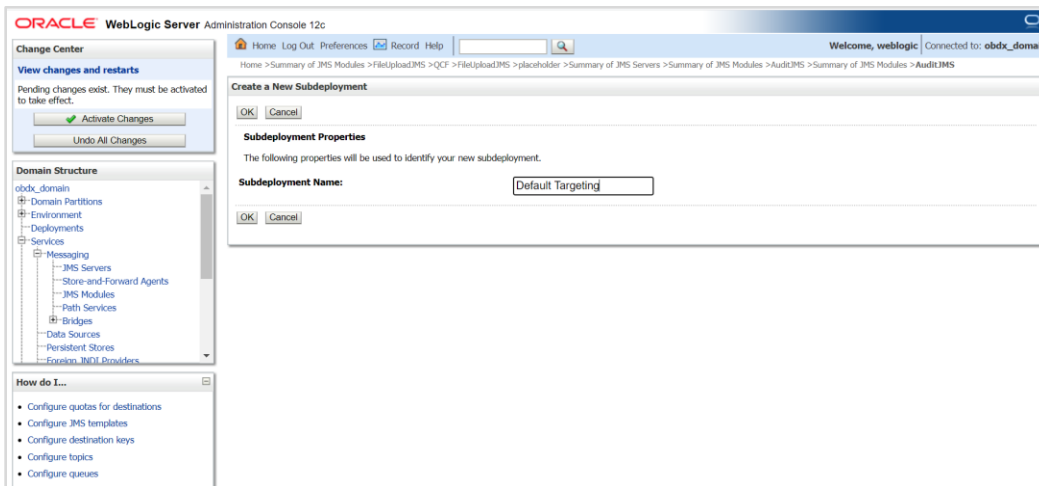
JNDI Name :- AUDITQCF



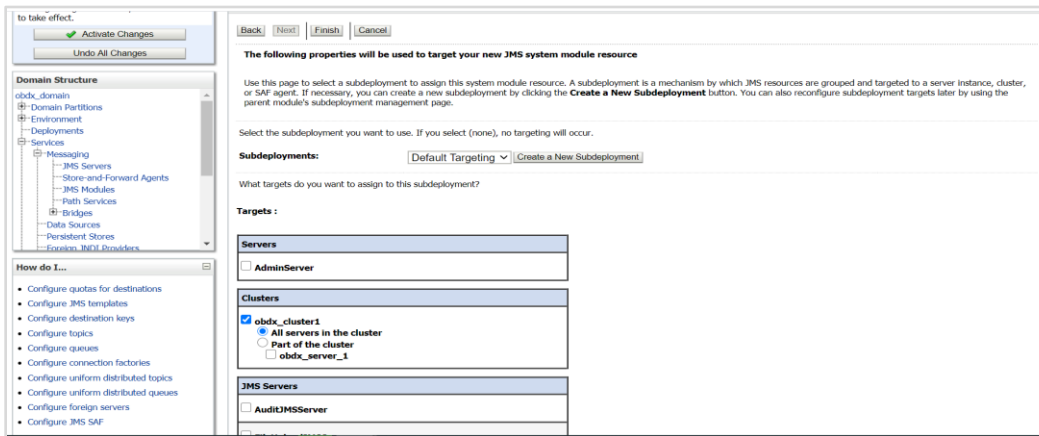
## 20. Click on Advanced Targeting



## 21. Click on Create a New Subdeployment



## 22. Give Subdeployment Name as Default Targeting



23. Under AuditJMS module Create Uniform Distrubuted Queue and connection Factory as show below in the screen shot

to take effect.

Activate Changes

Undo All Changes

Domain Structure

- obdx\_domain
- Domain Partitions
- Environment
- Deployments
- Services
  - Messaging
    - JMS Servers
      - Store and Forward Agents
      - JMS Modules
      - Path Services
    - Bridges
    - Data Sources
    - Persistent Stores
    - Foreign JNDI Providers

How do I...

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAs

Settings for AuditJMS

Configuration Subdeployments Targets Security Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

**Name:** AuditJMS The name of this JMS system module. [More Info...](#)

**Scope:** Global Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)

**Descriptor File Name:** jms/auditjms-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quotas, distributed destinations, foreign servers, and store-and-forward parameters.

Customize this table

Summary of Resources

[New](#) [Delete](#) Showing 1 to 3 of 3 [Previous](#) | [Next](#)

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	API_AUDIT_QUEUE	Uniform Distributed Queue	API_AUDIT_QUEUE	AuditSD	AuditJMSServer
<input type="checkbox"/>	AUDITQCF	Connection Factory	AUDITQCF	Default Targeting	obdx_cluster1
<input type="checkbox"/>	AUDIT_QUEUE	Uniform Distributed Queue	AUDIT_QUEUE	AuditSD	AuditJMSServer

[New](#) [Delete](#) Showing 1 to 3 of 3 [Previous](#) | [Next](#)

### 3.11 Creating ReportsJMSServer JMS Server

1. Similarly Create ReportsJMSServer under JMS Server and ReportsJMSModule under JMS Module

**Change Center**  
 Pending changes exist. They must be activated to take effect.  
 [Activate Changes] [Undo All Changes]

**Domain Structure**  
 obdx\_domain  
 - Domain Partitions  
 - Environment  
 - Deployments  
 - Services  
 - Messaging  
 - JMS Servers  
 - Store and Forward Agents  
 - JMS Modules  
 - Path Services  
 - Bridges  
 - Data Sources  
 - Persistent Stores  
 - Foreign JNDI Providers

**Summary of JMS Servers**  
 JMS servers act as management containers for the queues and topics in JMS modules that are targeted to them. This page summarizes the JMS servers that have been created in the current WebLogic Server domain.

**Customize this table**  
 JMS Servers (Filtered - More Columns Exist)

Name	Persistent Store	Target	Current Target	Health
<input type="checkbox"/> AuditJMSServer	WLS_JMS_AUDIT_PS	obdx_server_1	obdx_server_1	
<input type="checkbox"/> FileUploadJMSServer	WLS_JMS_FILEUPLOAD_PS	obdx_server_1	obdx_server_1	
<input type="checkbox"/> ReportsJMSServer	WLS_JMS_REPORT_PS	obdx_server_1	obdx_server_1	

**Change Center**  
 Pending changes exist. They must be activated to take effect.  
 [Activate Changes] [Undo All Changes]

**Domain Structure**  
 obdx\_domain  
 - Domain Partitions  
 - Environment  
 - Deployments  
 - Services  
 - Messaging  
 - JMS Servers  
 - Store and Forward Agents  
 - JMS Modules  
 - Path Services  
 - Bridges  
 - Data Sources  
 - Persistent Stores  
 - Foreign JNDI Providers

**Summary of JMS Modules**  
 JMS system resources are configured and stored as modules similar to standard Java EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources. This page summarizes the JMS system modules that have been created for this domain.

**Customize this table**  
 JMS Modules (Filtered - More Columns Exist)

Name	Type
<input type="checkbox"/> AuditJMS	JMSSystemResource
<input type="checkbox"/> FileUploadJMS	JMSSystemResource
<input type="checkbox"/> ReportsJMSModule	JMSSystemResource

**Change Center**  
 Pending changes exist. They must be activated to take effect.  
 [Activate Changes] [Undo All Changes]

**Domain Structure**  
 obdx\_domain  
 - Domain Partitions  
 - Environment  
 - Deployments  
 - Services  
 - Messaging  
 - JMS Servers  
 - Store and Forward Agents  
 - JMS Modules  
 - Path Services  
 - Bridges  
 - Data Sources  
 - Persistent Stores  
 - Foreign JNDI Providers

**Settings for ReportsJMSModule**  
 Configuration | Subdeployments | Targets | Security | Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

**Name:** ReportsJMSModule  
 The name of this JMS system module. [More Info...](#)

**Scope:** Global  
 Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)

**Descriptor File Name:** jms/reportsjmsmodule-jms.xml  
 The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

**Customize this table**  
 Summary of Resources

Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/> REPORTADHOC	Uniform Distributed Queue	REPORTADHOC	ReportsSubdeployment	ReportsJMSServer
<input type="checkbox"/> REPORTSCHEDULED	Uniform Distributed Queue	REPORTSCHEDULED	ReportsSubdeployment	ReportsJMSServer
<input type="checkbox"/> ReportsQCF	Connection Factory	ReportsQCF	Default Targeting	obdx_cluster1



2. Under ReportsJMSModule create UniformDistributed Queue and connection factory as show above in the screen shot.

REPORTADHOC – Uniform Distributed Queue

REPORTSCHEDULED -- Uniform Distributed Queue

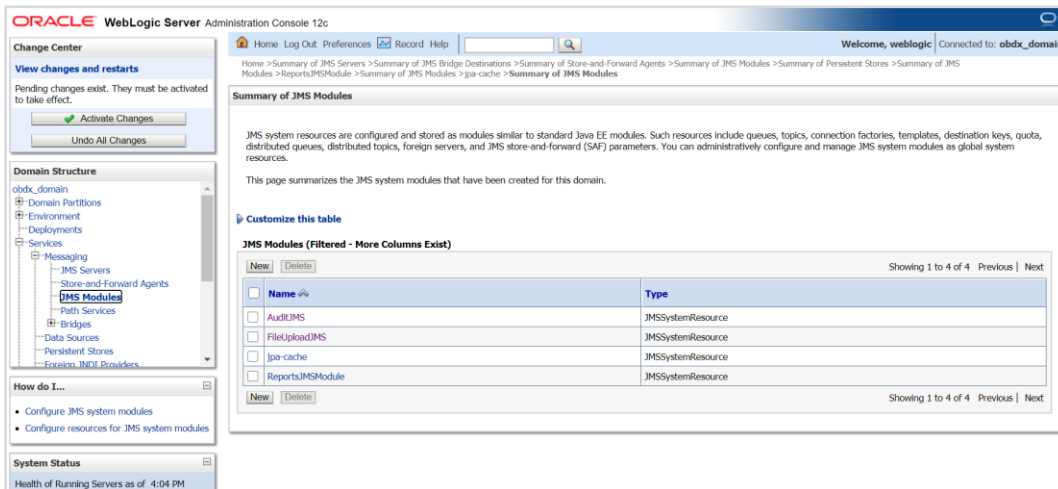
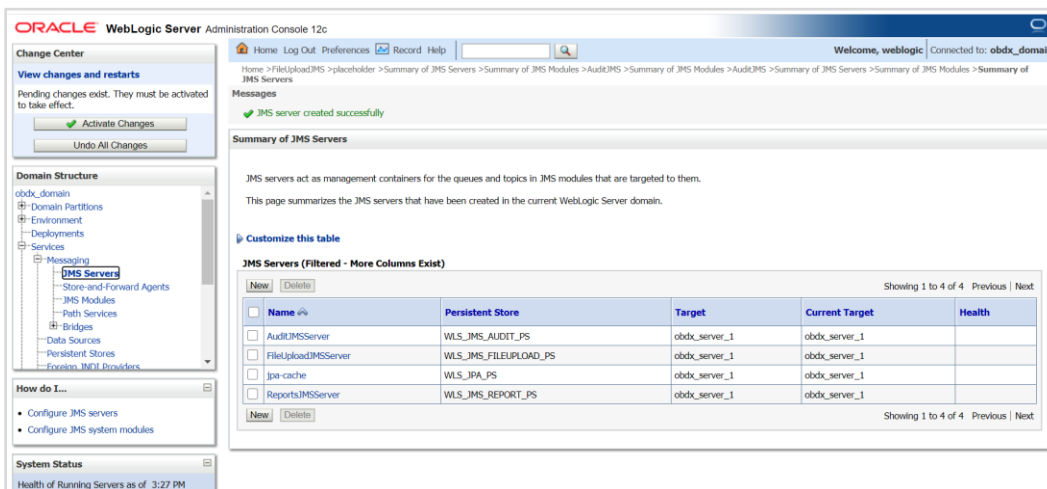
ReportsQCF – Connection Factory



### 3.12 Creating jpa-cache JMS Server

### 3.13 Creating WLS JPA PS FileStore

Create jpa-cache JMS server and jpa-cache JMS Module as show in below screen shot



1. Under jpa-cache JMS Module create connection Factory and Uniform Distributed topic as shown in below screen shot

Jms/jpa-cache-cf --- Connection Factory

Jms/jpa-cache-topic --- Uniform Distributed Topic

to take effect.

**Domain Structure**  
 obdx\_domain  
   Domain Partitions  
   Environment  
   Deployments  
   Services  
     Messaging  
       JMS Servers  
       Store-and-Forward Agents  
       JMS Modules  
       Path Services  
       Bridges  
       Data Sources  
       Persistent Stores  
       Foreign JNDI Providers

**How do I...**  
 • Configure quotas for destinations  
 • Configure JMS templates  
 • Configure destination keys  
 • Configure topics  
 • Configure queues  
 • Configure connection factories  
 • Configure uniform distributed topics  
 • Configure uniform distributed queues  
 • Configure foreign servers  
 • Configure JMS SAF

The JMS distributed topic was created successfully.

**Settings for jpa-cache**  
 Configuration | Subdeployments | Targets | Security | Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

**Name:** jpa-cache      The name of this JMS system module. [More Info...](#)  
**Scope:** Global      Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)  
**Descriptor File Name:** jms/jpa-cache-jms.xml      The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

[Customize this table](#)

**Summary of Resources**

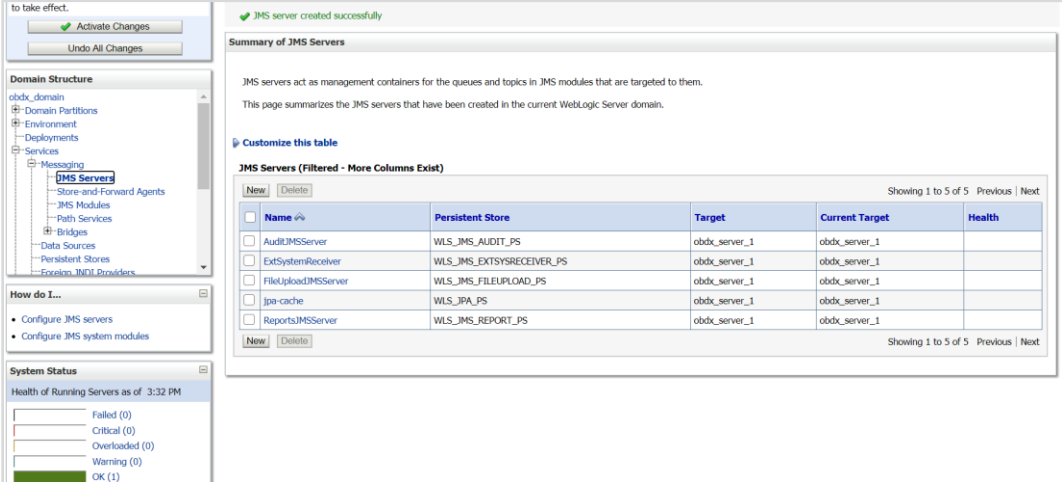
     Showing 1 to 2 of 2    Previous | Next

<input type="checkbox"/>	Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	./jms/jpa-cache-cf	Connection Factory	./jms/jpa-cache-cf	Default Targeting	obdx_cluster1
<input type="checkbox"/>	./jms/jpa-cache-topic	Uniform Distributed Topic	./jms/jpa-cache-topic	jpa-cache-sd	jpa-cache

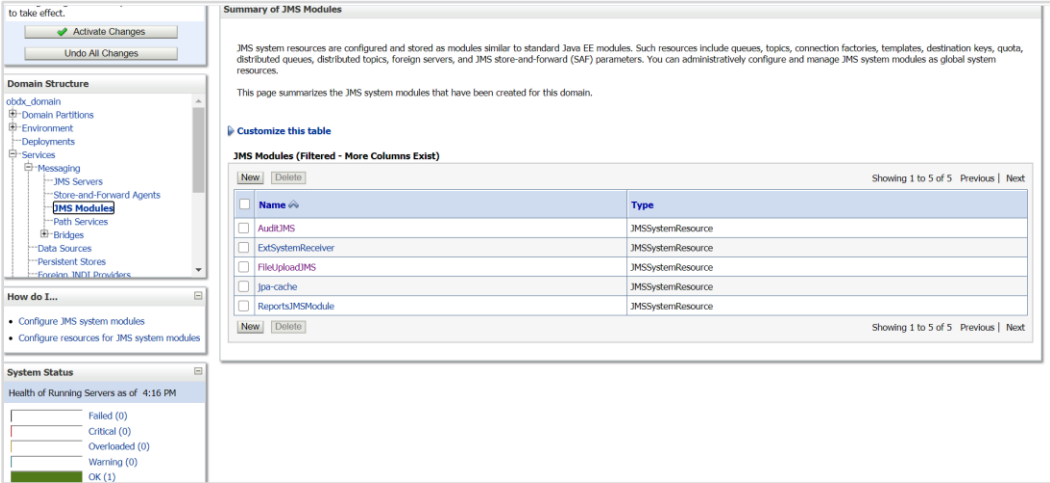
     Showing 1 to 2 of 2    Previous | Next

### 3.14 Creating ExtSystemReceiver JMS Server -- WLS JMS\_EXTSYSRECEIVER\_PS FileStore

- 1. Create ExtSystemReceiver JMS Server Persistent store file store as WLS\_JMS\_EXTSYSRECEIVER\_PS as show in below screen shot.



- 2. Create ExtSystemReceiver JMS Module as below



3. Create ExtSystemReceiverQCF – connection Factory and ExtSystemReceiverQueue – uniform Distributed Queue in ExtSystemReceiver JMS Module refer below screen shot

to take effect.

Activate Changes

Undo All Changes

**Domain Structure**

- obdx\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
    - Messaging
      - JMS Servers
      - Store-and-Forward Agents
      - JMS Modules
      - Path Services
    - Bridges
    - Data Sources
    - Persistent Stores
    - External JNDI Providers

**How do I...**

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

✓ The JMS distributed queue was created successfully.

**Settings for ExtSystemReceiver**

Configuration Subdeployments Targets Security Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

**Name:** ExtSystemReceiver The name of this JMS system module. [More Info...](#)

**Scope:** Global Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)

**Descriptor File Name:** jms/extsystemreceiver-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

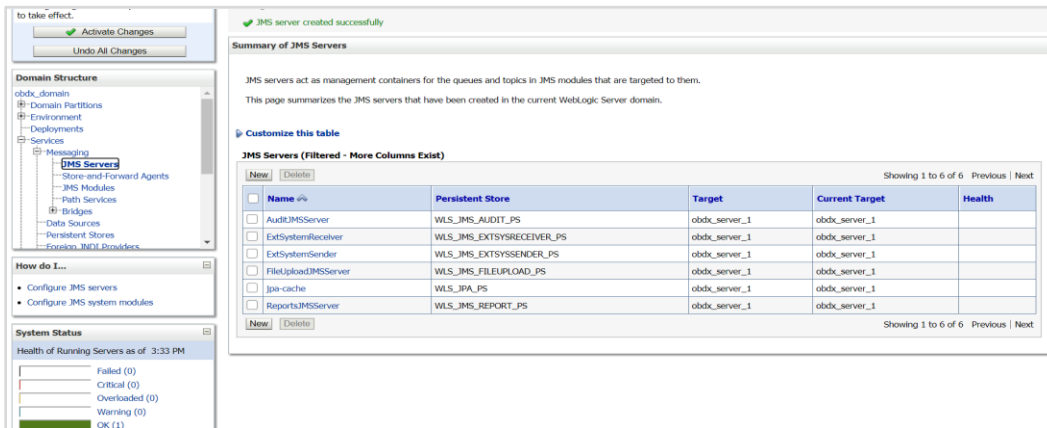
**Customize this table**

**Summary of Resources**

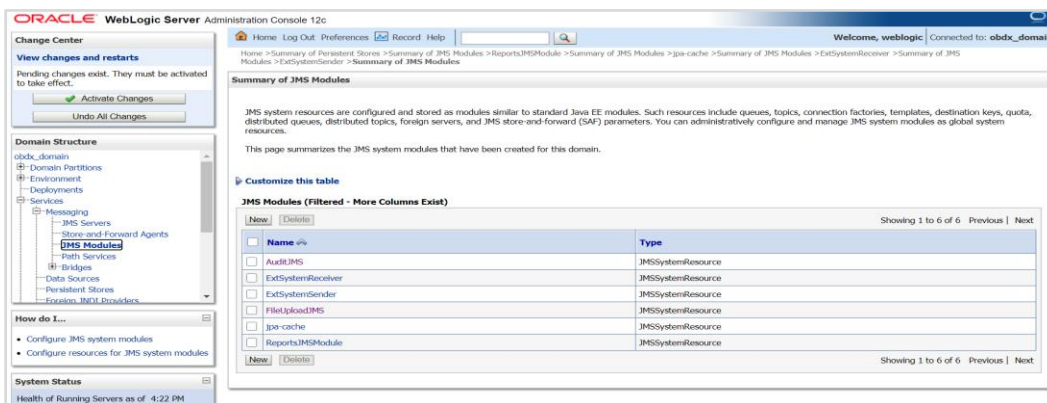
Name	Type	JNDI Name	Subdeployment	Targets
ExtSystemReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_cluster1
ExtSystemReceiverQueue	Uniform Distributed Queue	ExtSystemReceiverQueue	ExtSystemReceiverSub	ExtSystemReceiver

### 3.15 Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS JMS EXTSYSSENDER PS

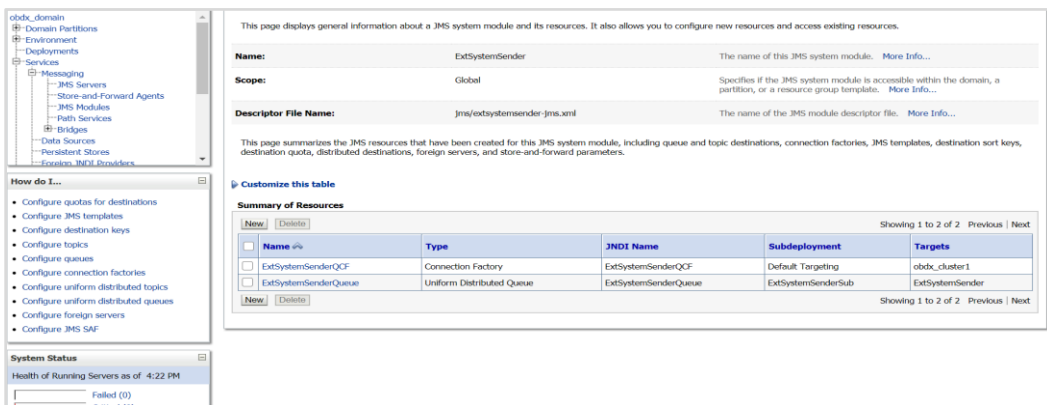
As show below create JMS Server ExtSystemSender



#### 1. Create ExtSystemSender JMS Module

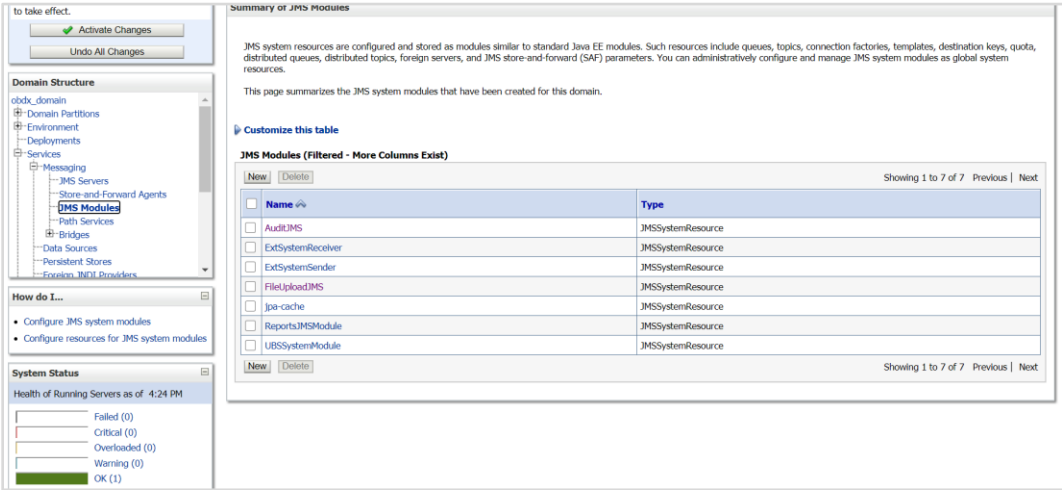


#### 2. Under ExtSystemSender JMS Module create ExtSystemSenderQCF – connection Factory and ExtSystemSenderQueue – Uniform Distributed Queue as show below

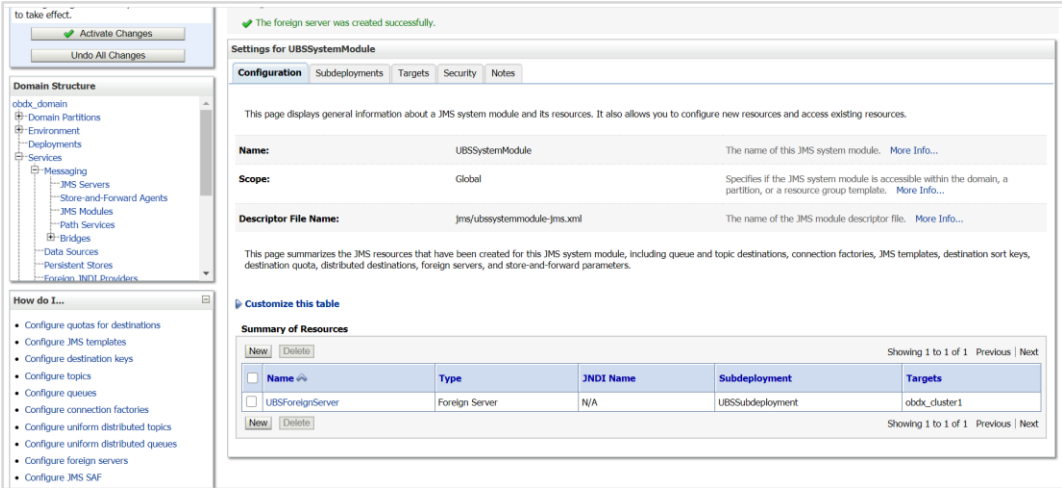


### 3.16 Creating UBSSystemModule JMS Server

1. In JMSModule create UBSSystemModule

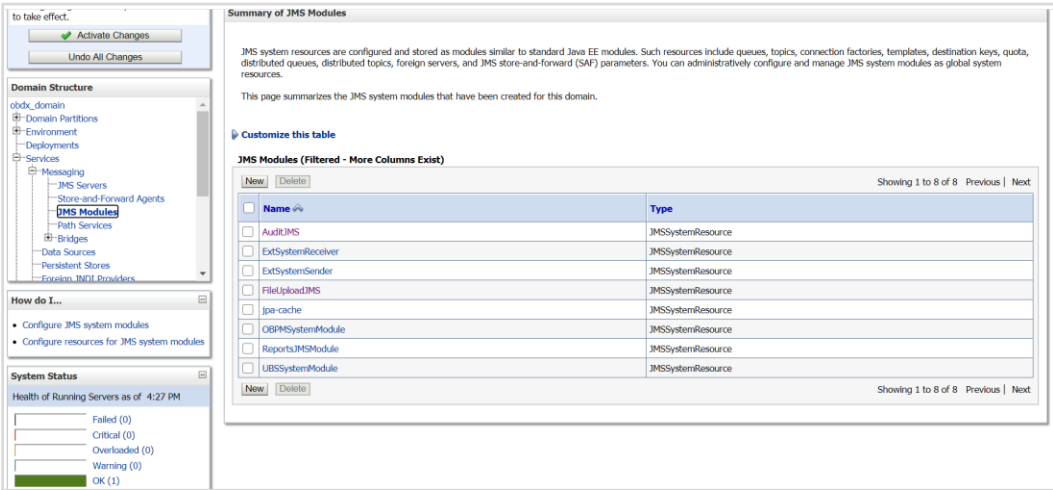


2. Under UBSSystemModule create UBSSystemForeignServer – Foreign Server as shown below

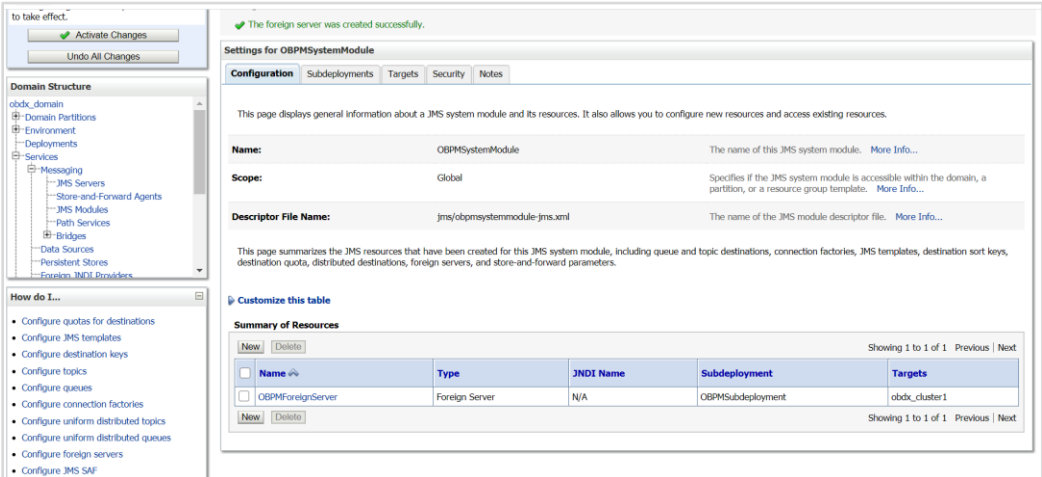


### 3.17 Creating OBPMForeignServer JMS Server

1. In JMSModule create OBPMSystemModule



2. Under OBPMSystemModule create OBPMForeignServer – Foreign Server as show below in screen shot



[Home](#)

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## 4. Deploying Applications

### Deployment of Lib and Apps

`${MW_HOME}/wserver/common/deployable-libraries/jax-rs-2.0.war` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.domain.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.framework.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.extsystem.domain.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.core.domain.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.thirdparty.app.domain.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.rest.idm.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/BatchResourceAdapter.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/AuditMDBEAR.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/com.ofss.digx.app.connector.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.mdb.report.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.timer.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.oauth.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/components/obdx/deploy/obdx.app.oauth.rest.ear` (Target - obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/cz/obdx.cz.app.domain.ear` (Target - obdx\_cluster, AdminServer)

`${OBDX_INSTALLER}/installables/app/cz/obdx.cz.extsystem.domain.ear` (Target - obdx\_cluster, AdminServer)



`${OBDX_INSTALLER}/installables/app/cz/obdx.cz.thirdparty.app.domain.ear` (Target -  
obdx\_cluster,AdminServer)

`${OBDX_INSTALLER}/installables/app/components/ubs/deploy/obdx.app.soap.ear` (Target -  
obdx\_cluster)

`${OBDX_INSTALLER}/installables/app/components/thp/deploy/ExtxfaceSimulatorMDB.ear`  
(Target - obdx\_cluster)

[Home](#)

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## 5. Configured jps-config.xml

Update the jps-config.xml

Edit \$DOMAIN\_HOME/config/fmwconfig/jps-config.xml file and add following entries.

1. find <serviceProviders> tag in the file, add below serviceProvider between <serviceProviders></serviceProviders>.

```
<serviceProvider type="IDENTITY_STORE" name="custom.provider"
class="oracle.security.jps.internal.idstore.generic.GenericIdentityStoreProvider">

<description>Custom IdStore Provider</description>

</serviceProvider>
```

2. find <serviceInstances> tag in the file, add below serviceInstances between <serviceInstances></serviceInstances>.

```
<serviceInstance name="idstore.custom" provider="custom.provider"
location="dumb">

<description>Custom Identity Store Service Instance</description>

<property name="idstore.type" value="CUSTOM"/>

<property name="ADF_IM_FACTORY_CLASS"
value="com.ofss.sms.dbAuthenticator.providers.db.DBIdentityStoreFactory"/>

<property name="DATASOURCE_NAME" value="DIGX"/>

</serviceInstance>
```

3. find <jpsContext name="default"> tag in the file, add below serviceInstanceRef between <jpsContext name="default"></jpsContext>.

```
<serviceInstanceRef ref="idstore.custom"/>
```

[Home](#)