

Oracle Banking Digital Experience

**Installation Guide- Non-Linux
Platforms
Release 19.2.0.0.0**

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ORACLE®

Installation Guide- Non-Linux Platforms

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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/

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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 OFSS 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 Release 19.2.0.0.0, refer to the following documents:

- User Manual Oracle Banking Digital Experience Installation Guide

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 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 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 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 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'
```

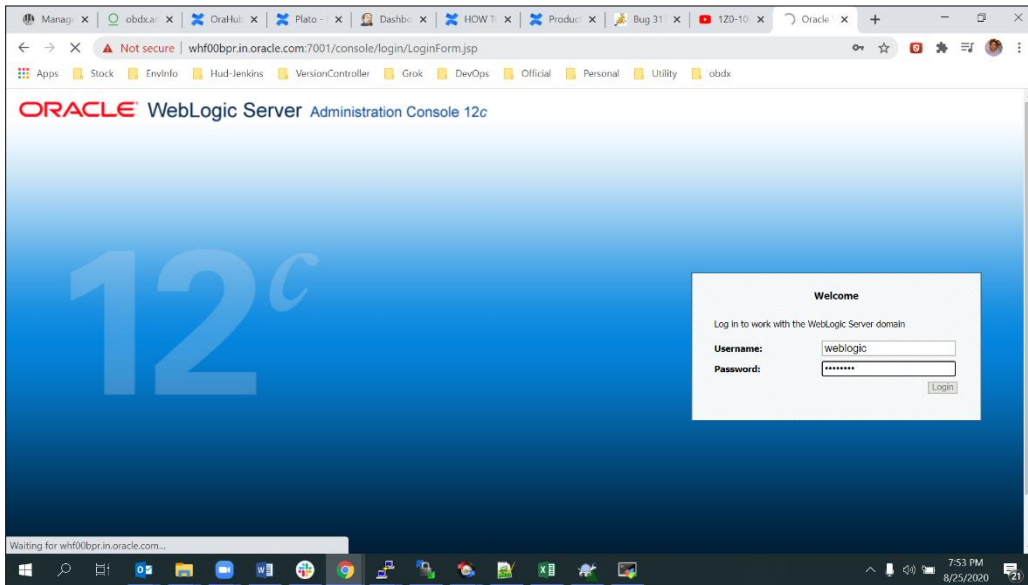
Home

3. WEBLOGIC Setup and Configuration

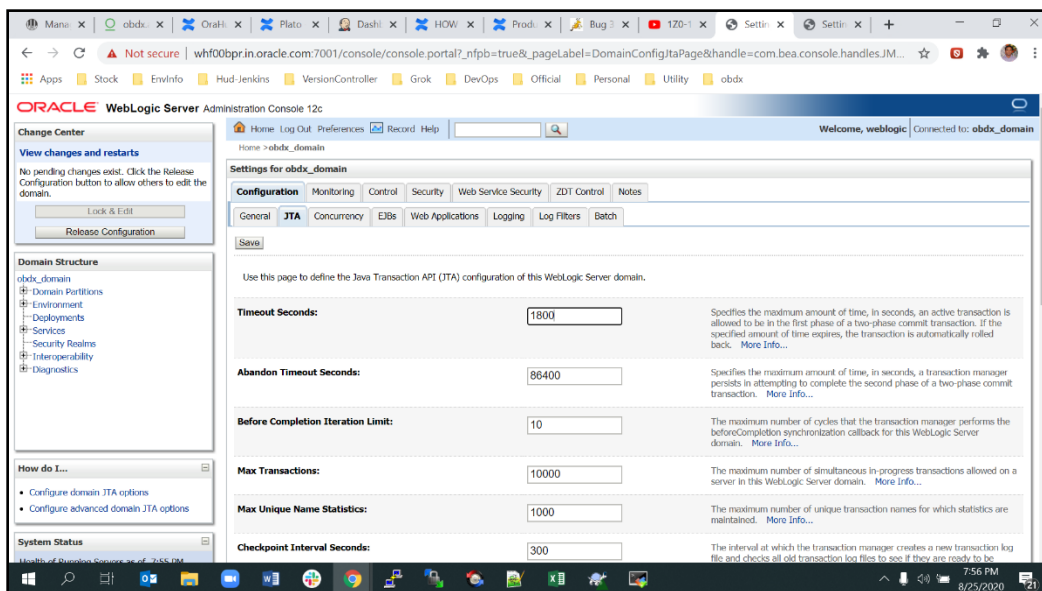
Assuming that rcu , weblogic domain created , managed server, cluster created , node manager configured.

3.1 Setting Domain JTA Transaction timeout

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

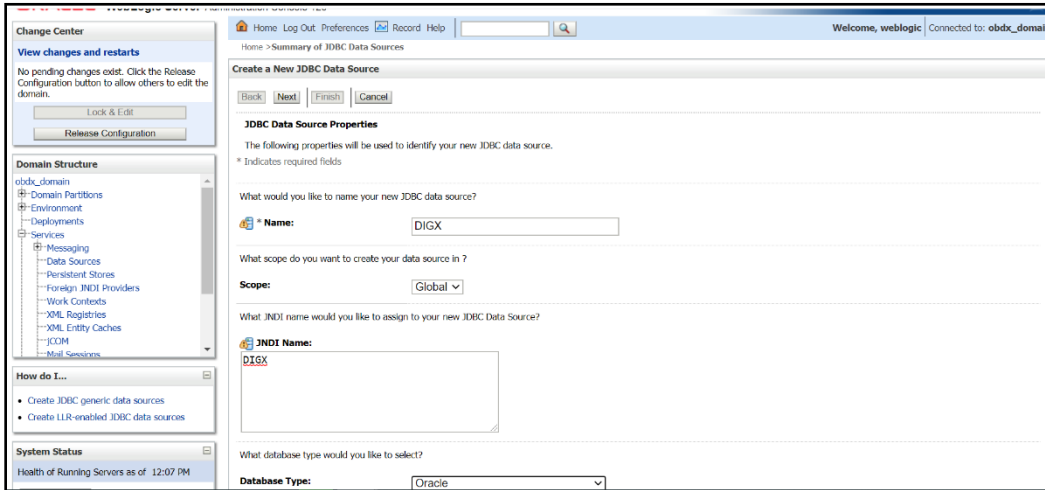


2. click on DOMAIN_NAME → JTA → set Timeout Seconds to 1800 → click on save → Activate changes

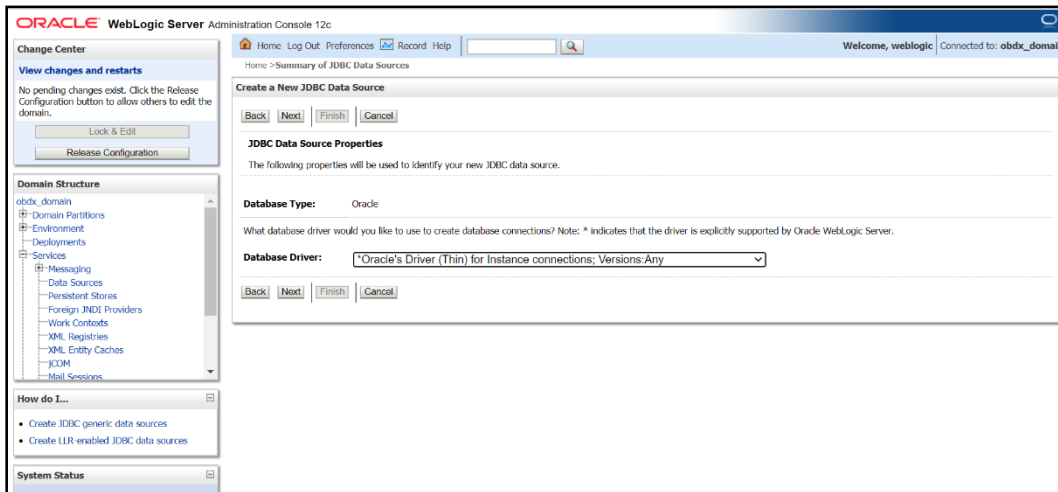


3.2 Creating DIGX data source

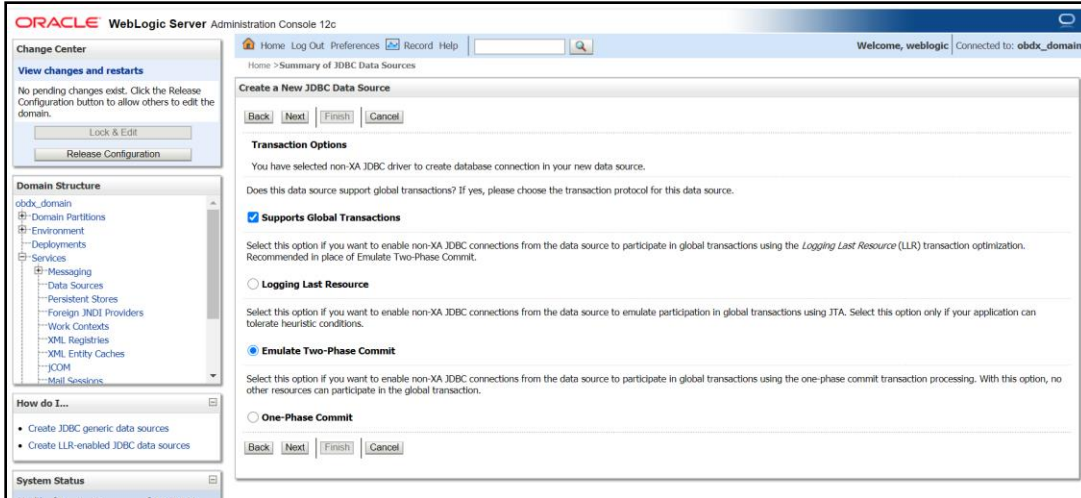
1. Navigate to Data Source → click on new → Provide details and click on finish.



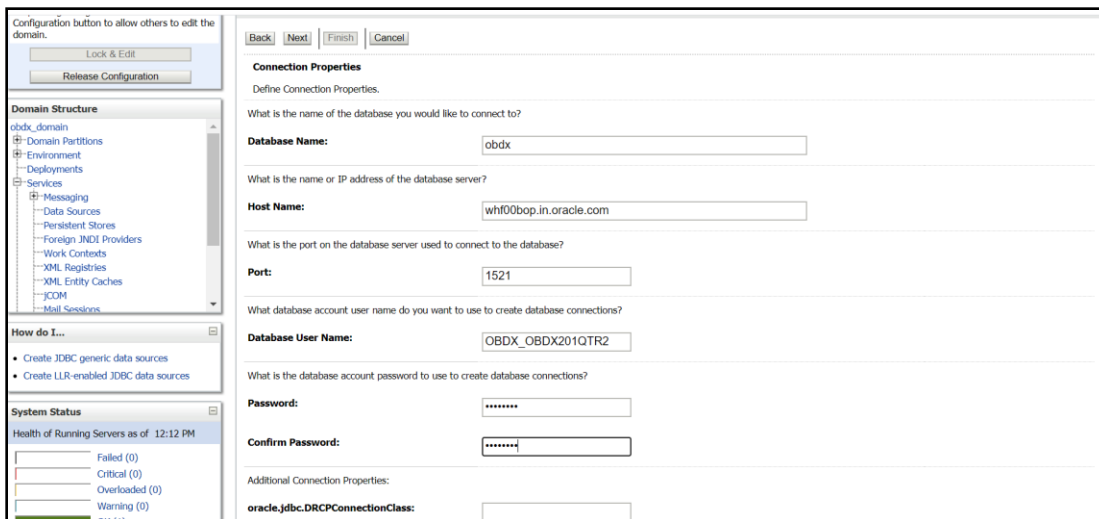
2. **Name:** - DIGX
JNDI Name: - DIGX



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



4. Select Emulate Two-Phase Commit



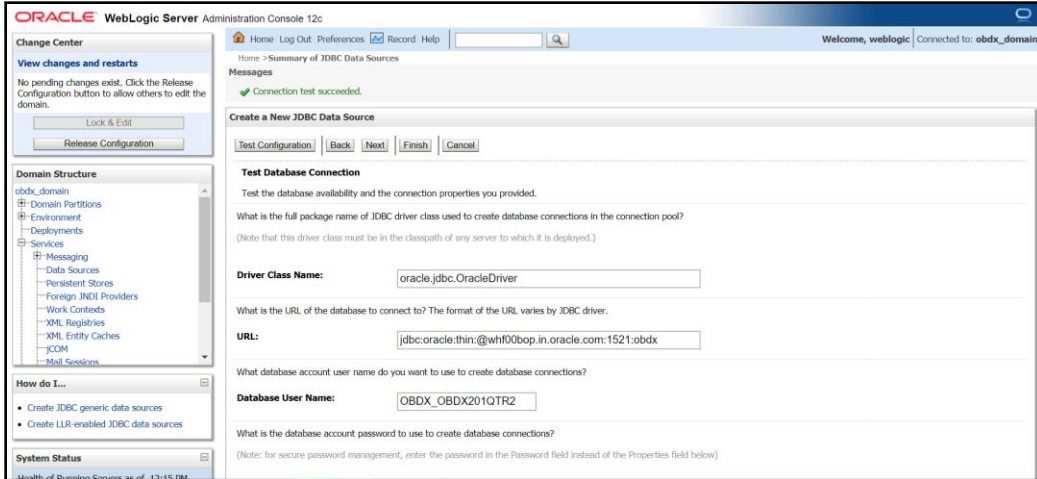
5. Provide

Database Name: - Database SID

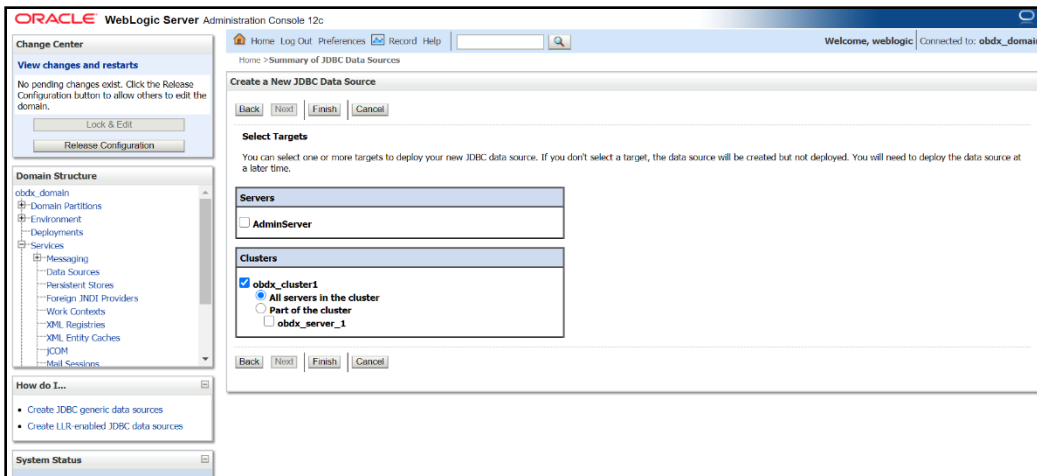
Host Name: - Database hostname

Port: - Database port Number

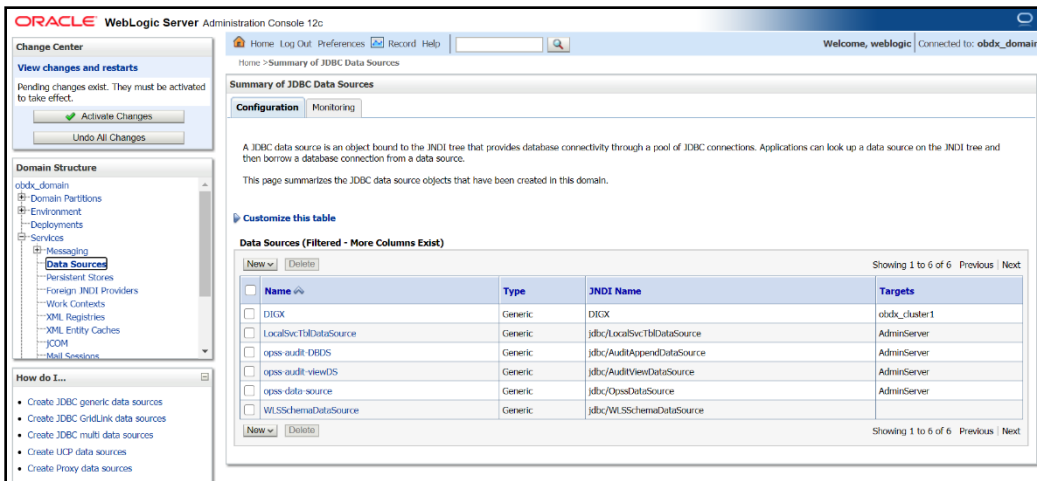
Database user Name: - OBDX_\${POST_FIX}



6. Test Configuration

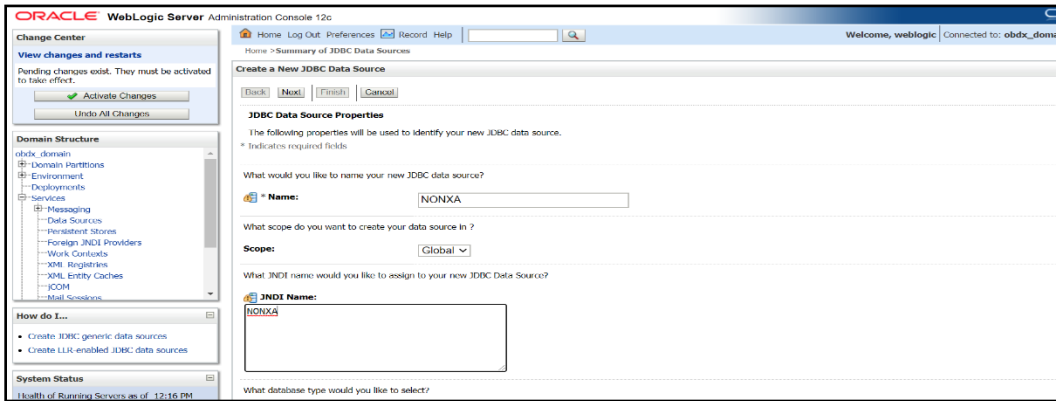


7. Target to cluster



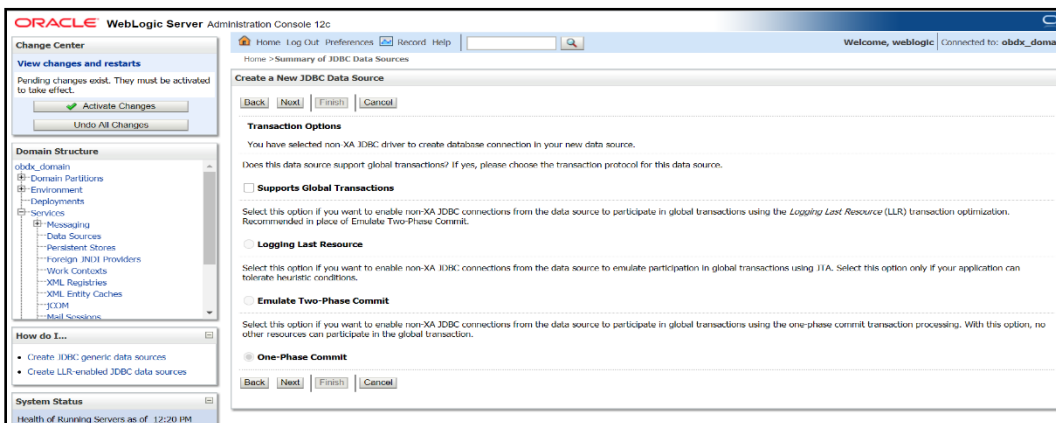
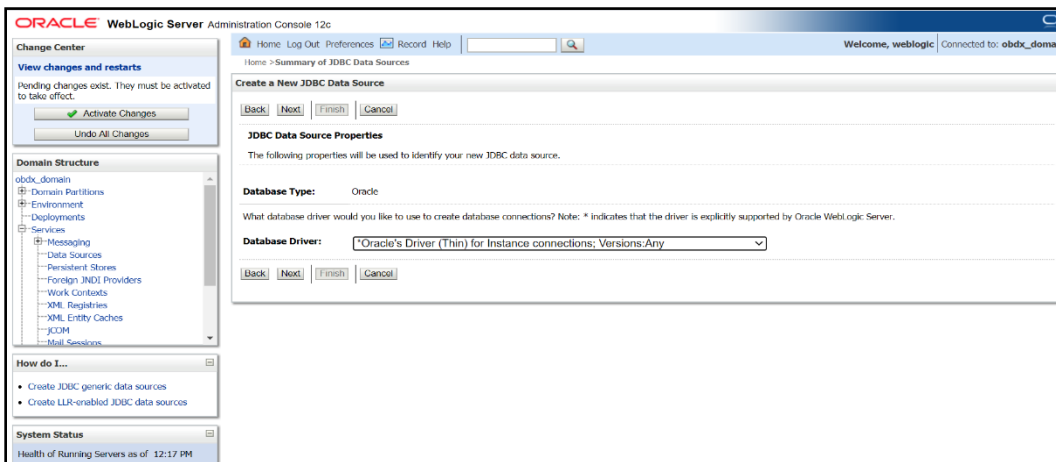
3.3 Creating NONXA data source

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

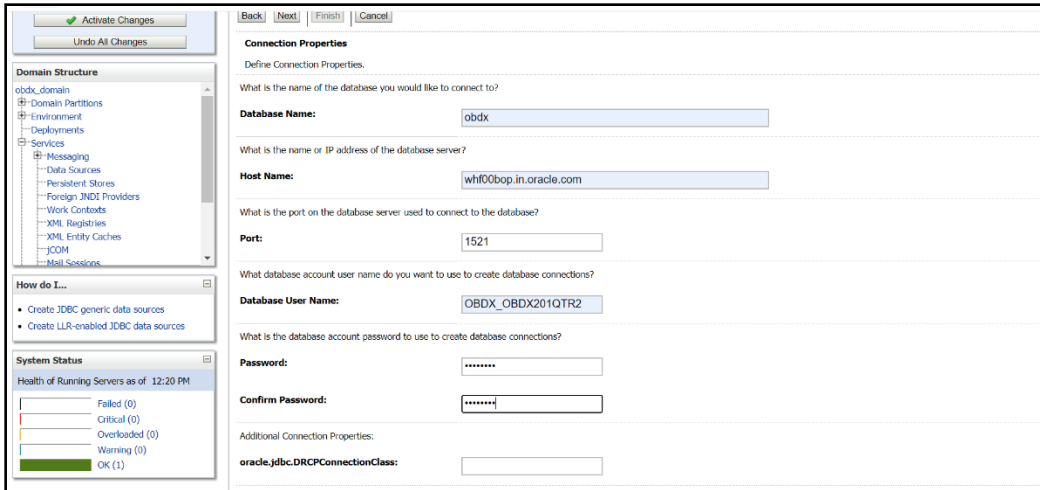


2. Name :- NONXA

JNDI Name :- NONXA



3. Click Next



4. Provide

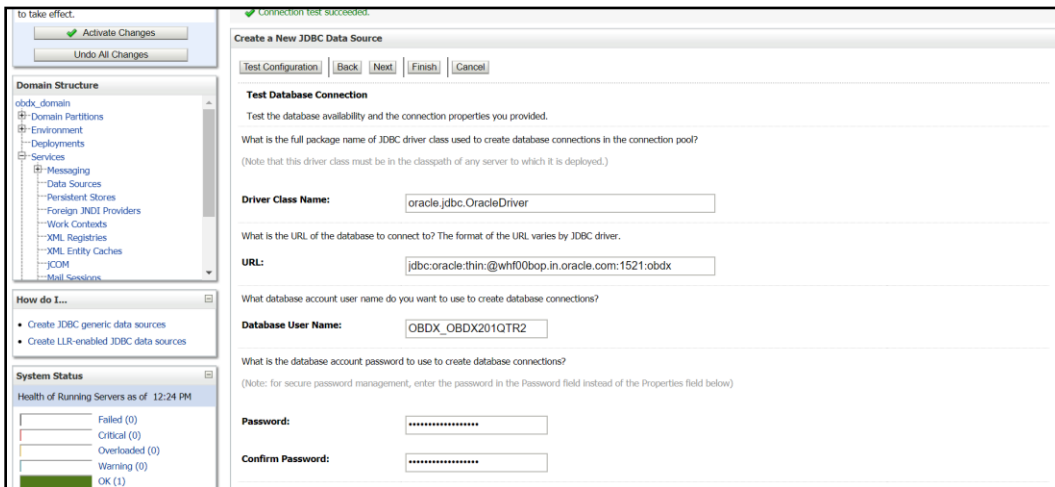
Database Name: - Database SID

Host Name: - Database hostname

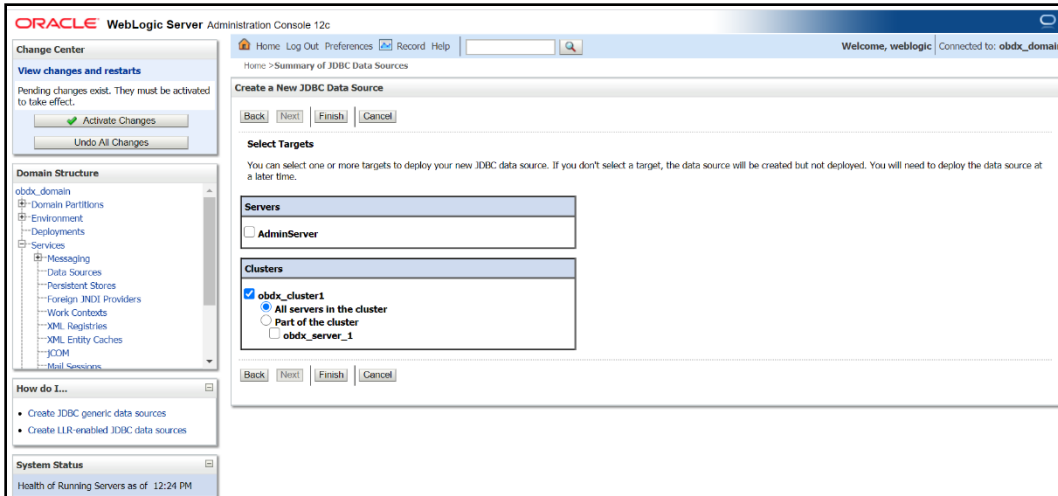
Port: - Database port Number

Database user Name: - OBDX_\${POST_FIX}

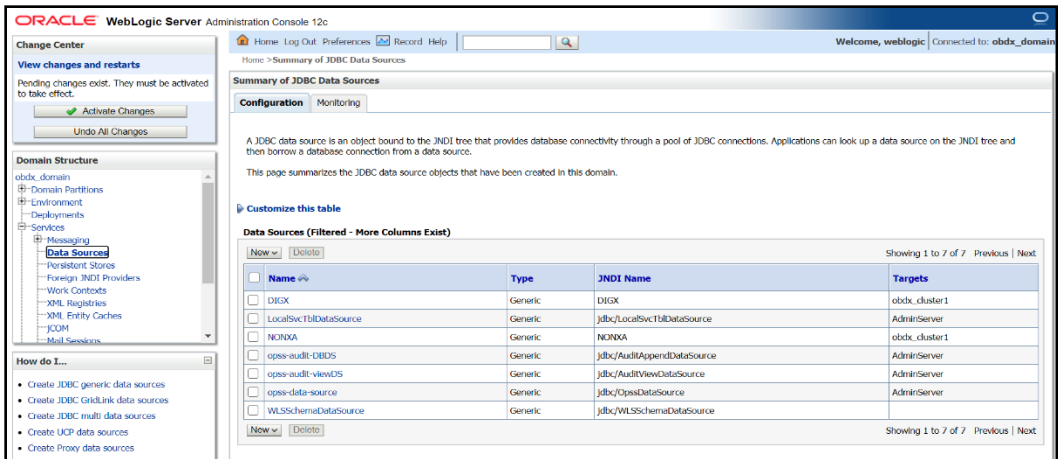
Password:- Database user password



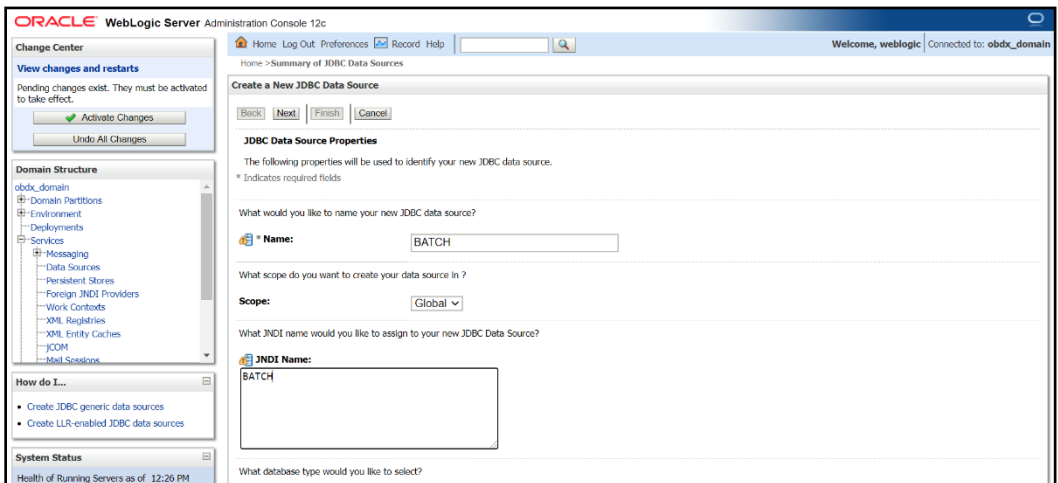
5. Test Configuration



6. Select target as cluster -- > Finish

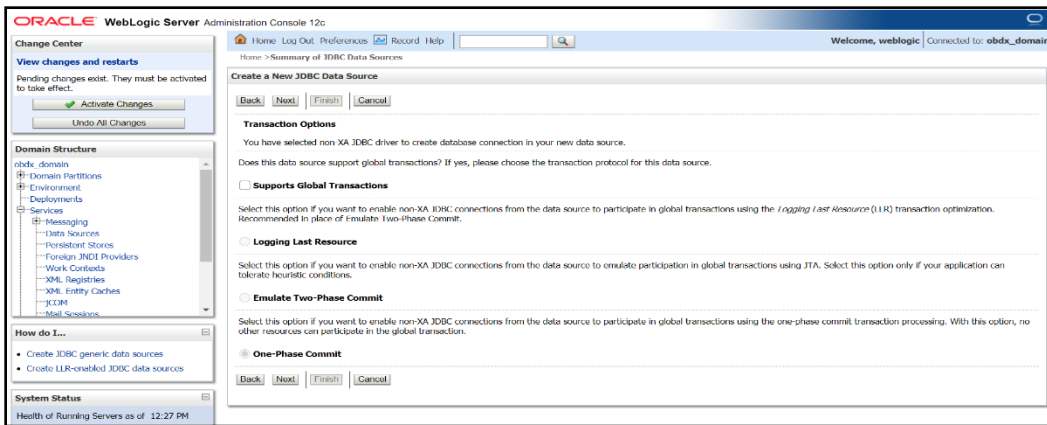
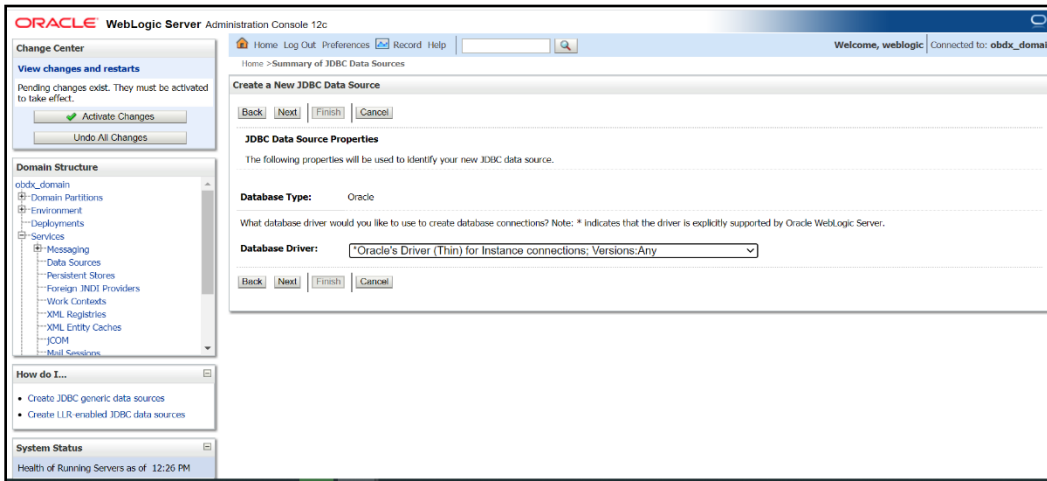


3.4 Creating BATCH data source

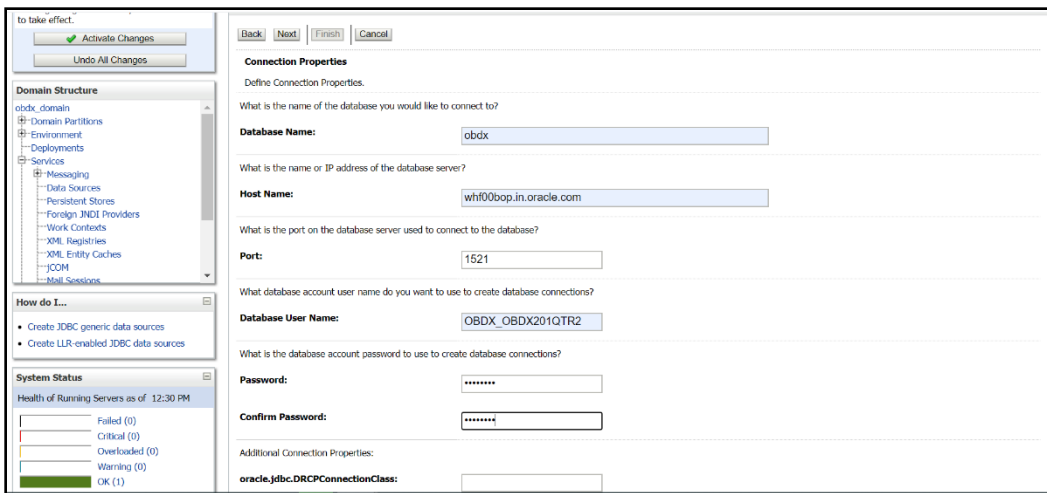


1. Name :- BATCH

JNDI Name :- BATCH



2. Click Next



3. Provide

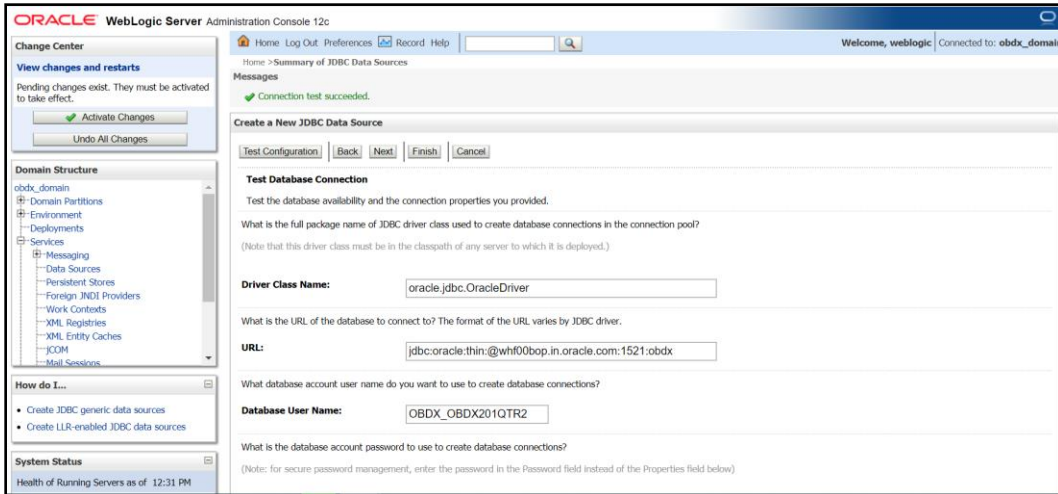
Database Name: - Database SID

Host Name: - Database hostname

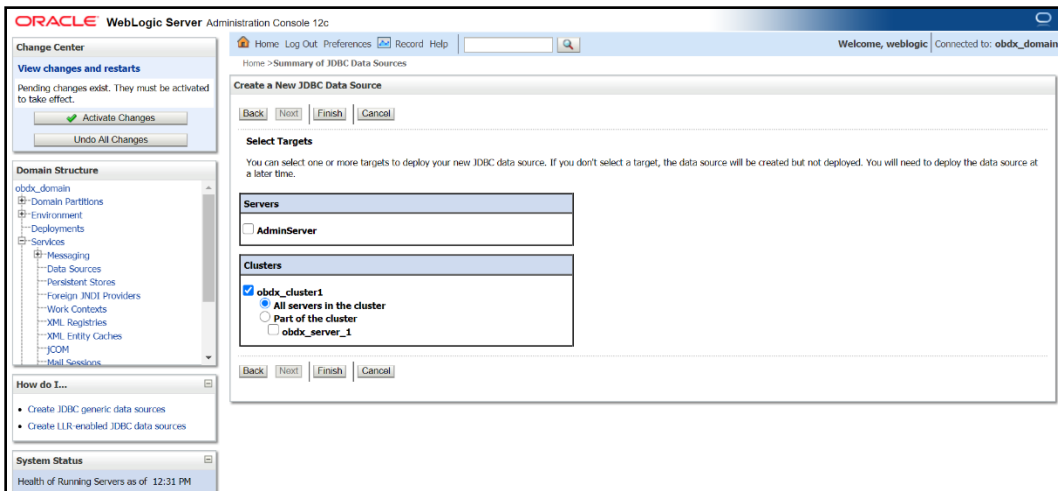
Port: - Database port Number

Database user Name: - OBDX_\${POST_FIX}

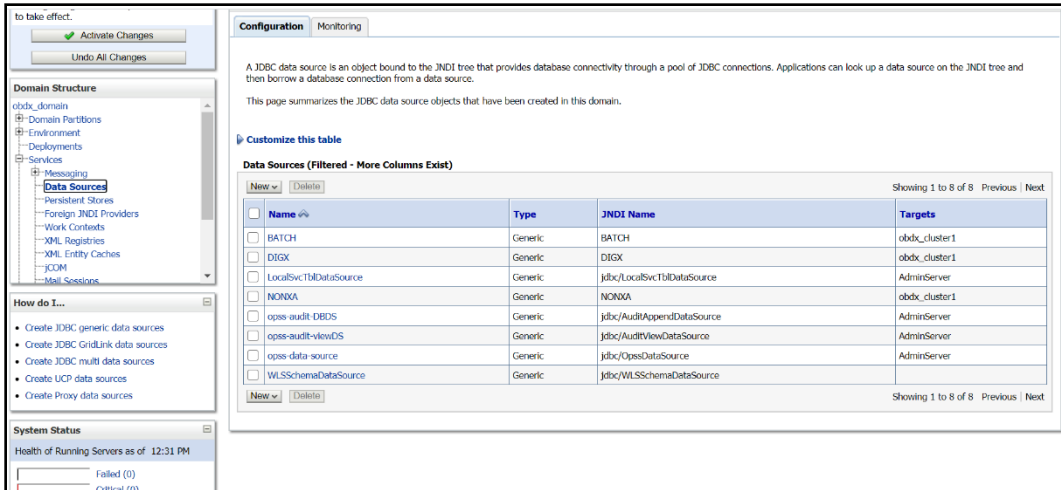
Password:- Database user password



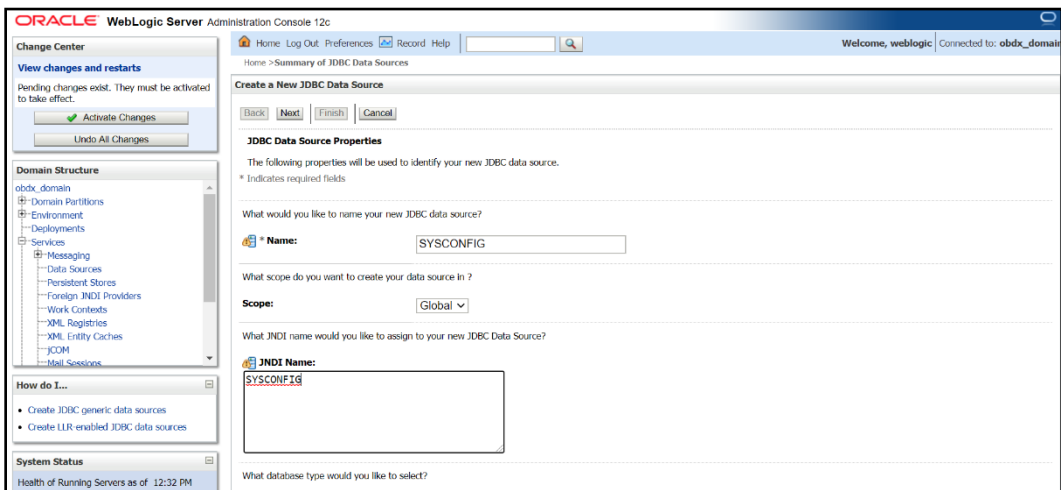
4. Test Configuration



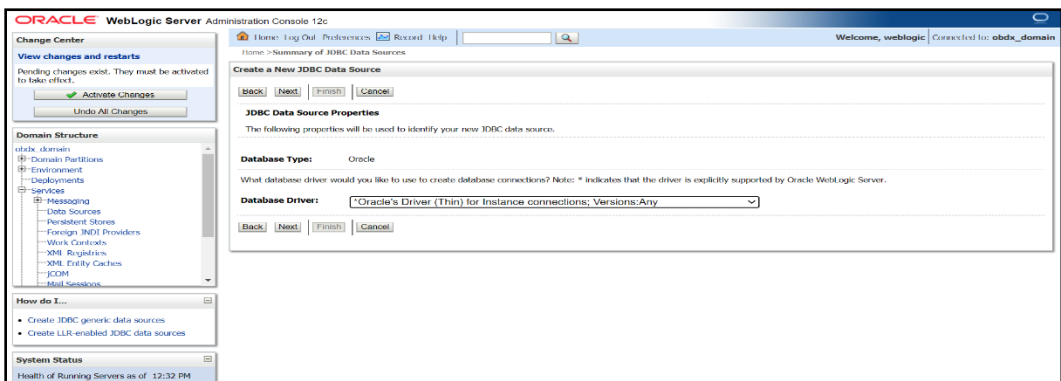
5. Target Cluster and click on Finish

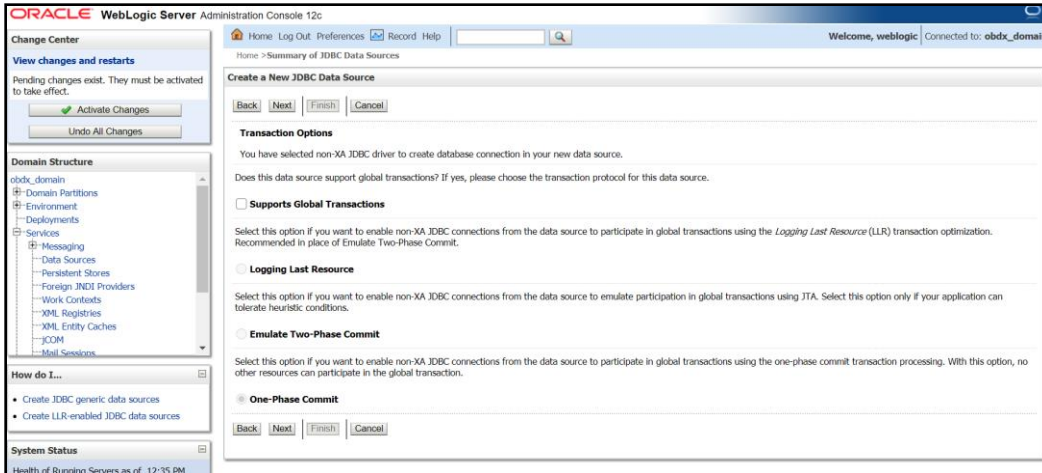


3.5 Creating SYSCONFIG data source

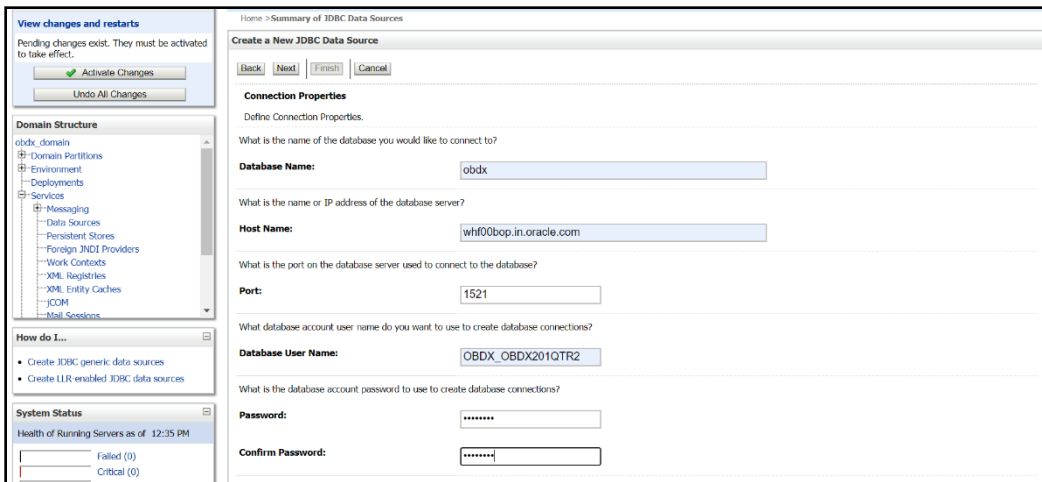


- 1. **Name :- SYSCONFIG**
- JNDI Name :- SYSCONFIG**





2. Click on Next



3. Provide

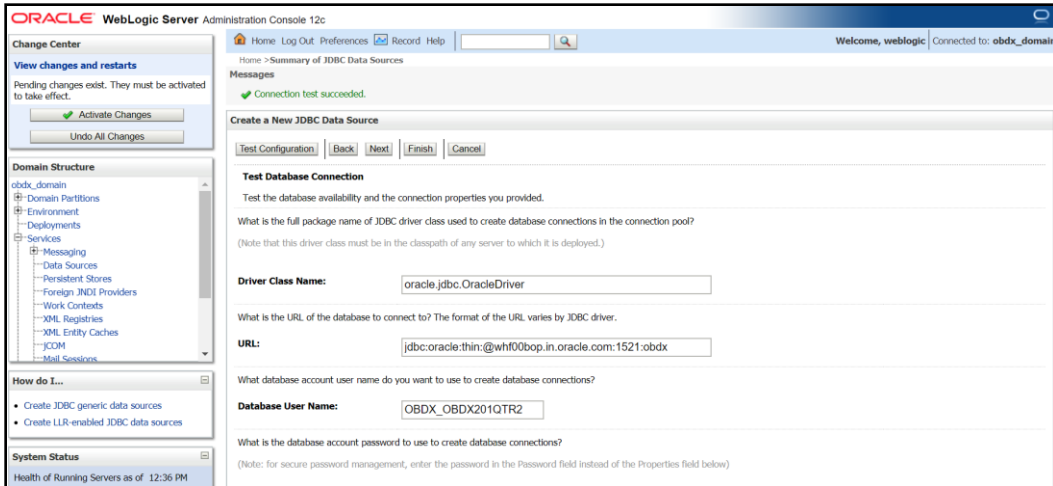
Database Name: - Database SID

Host Name: - Database hostname

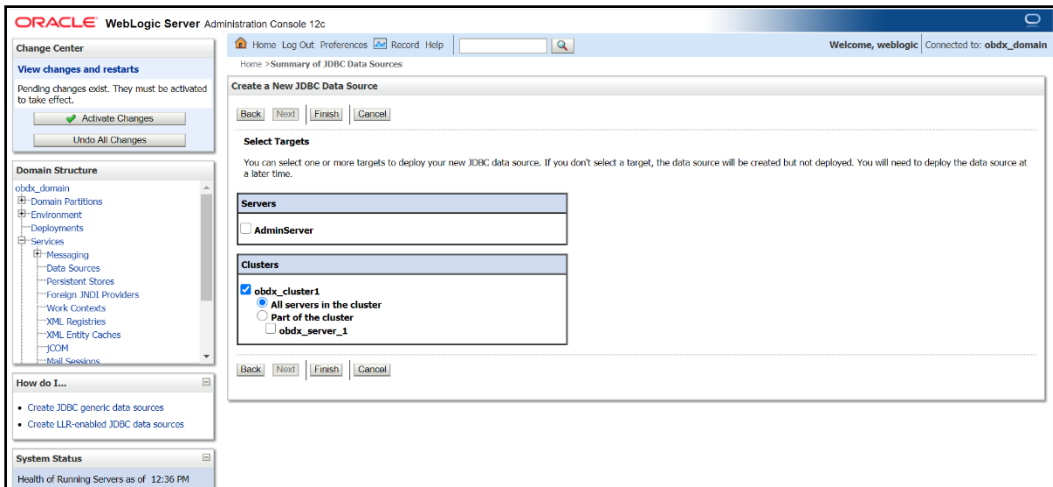
Port: - Database port Number

Database user Name: - OBDX_\${POST_FIX}

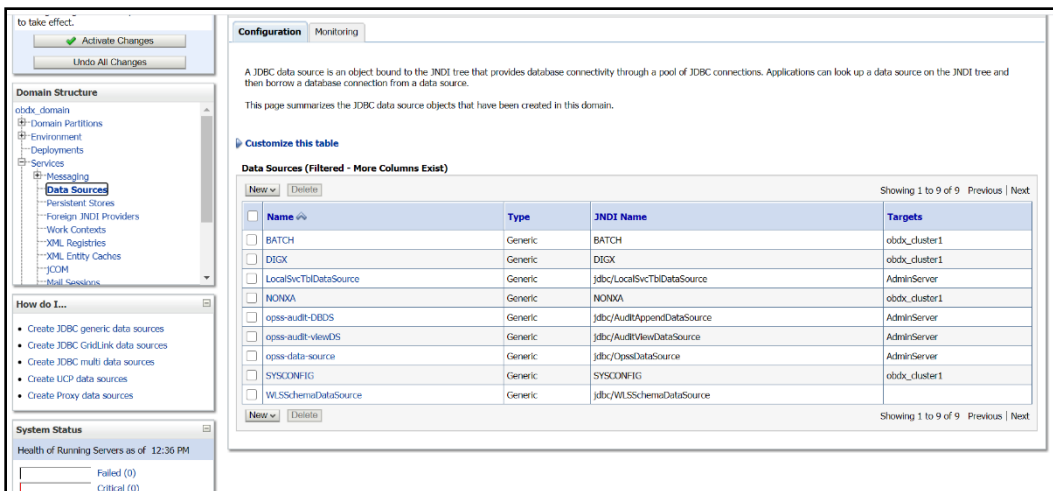
Password:- Database user password



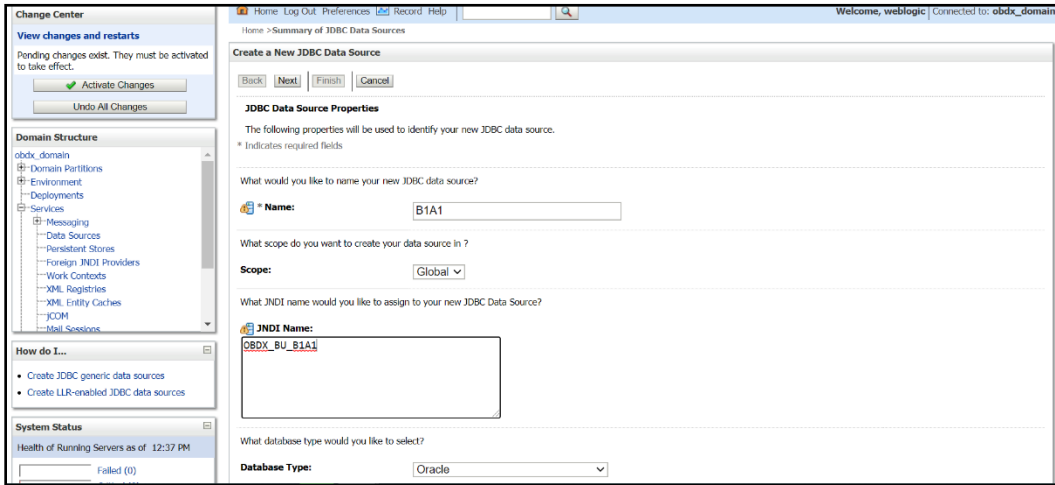
4. Test Configuration



5. Select target as cluster and click on Finish

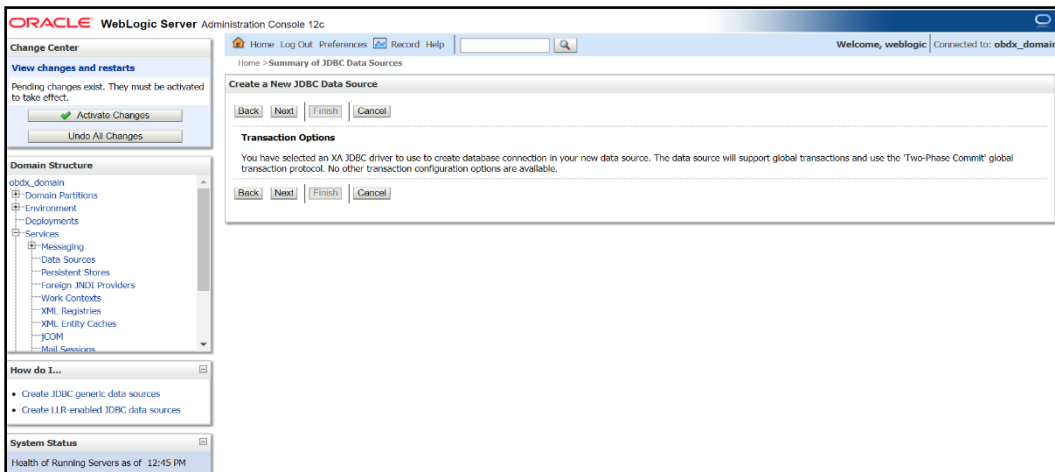
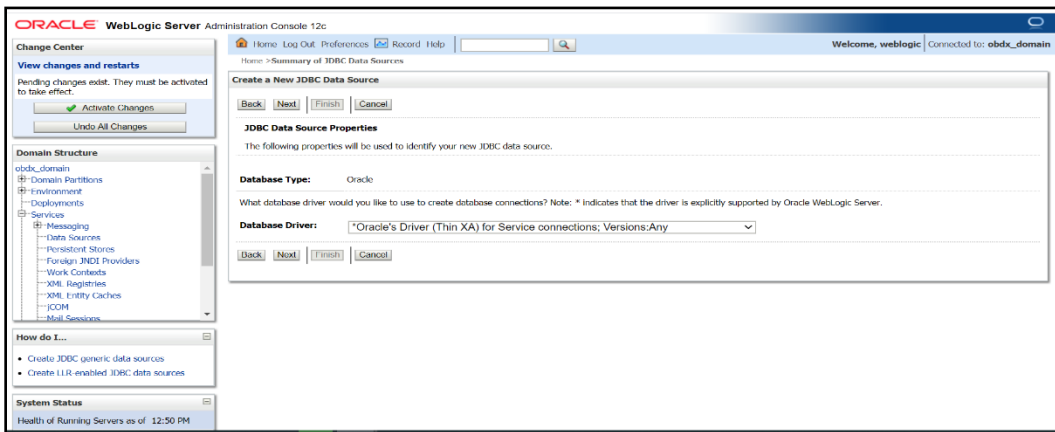


3.6 Creating B1A1 data source

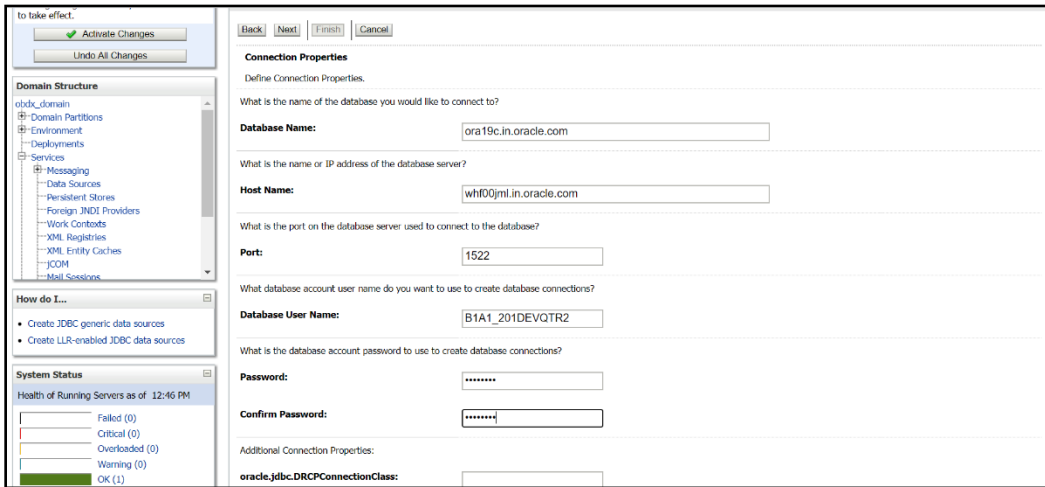


1. Name:- B1A1

JNDI Name :- OBDX_BU_B1A1

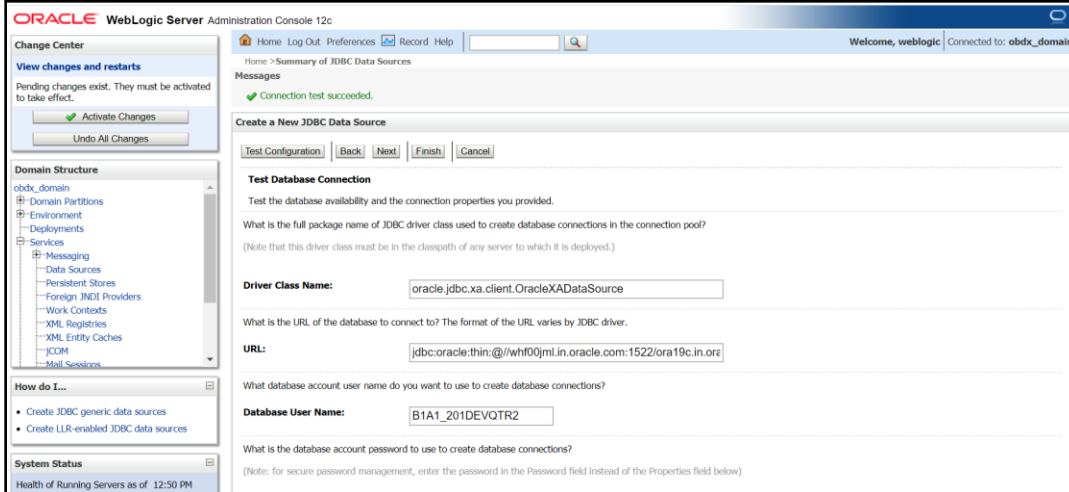


2. Click on Next

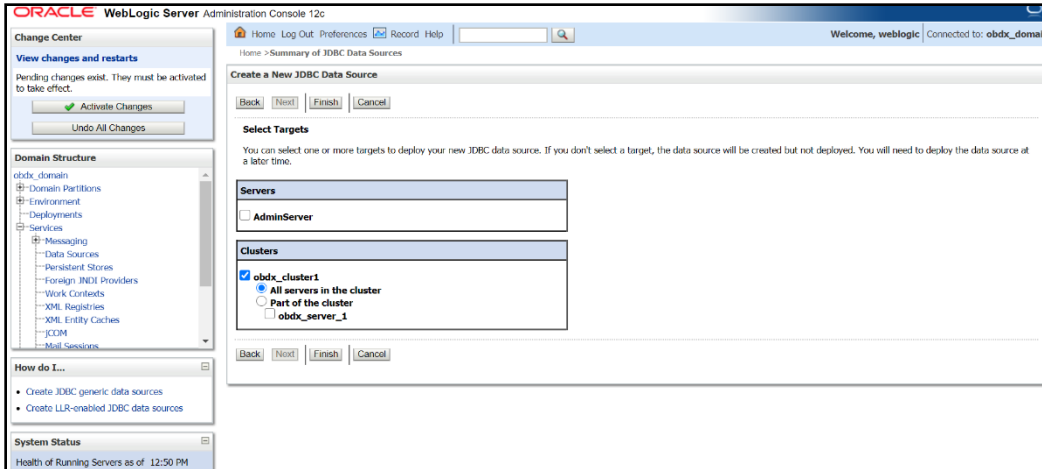


3. Provide

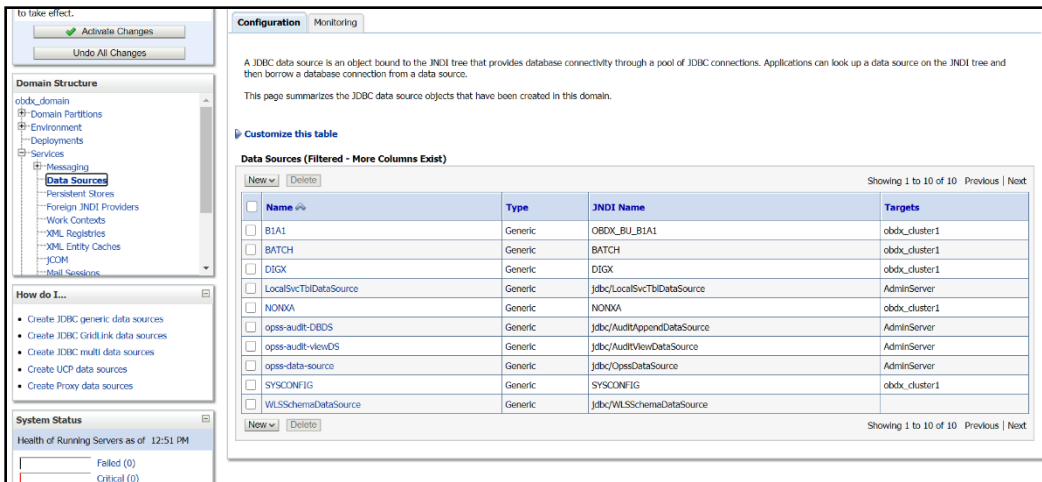
- Database Name:** - Database SID (\$EHMS_DATABASE_SID)
- Host Name:** - Database hostname (\$EHMS_DATABASE_HOSTNAME)
- Port:** - Database port Number (\$EHMS_DATABASE_PORT)
- Database user Name:** - \${ EHMS_SCHEMA_NAME }
- Password:** - Database user \${ EHMS_SCHEMA_NAME } password



4. Test Configuration

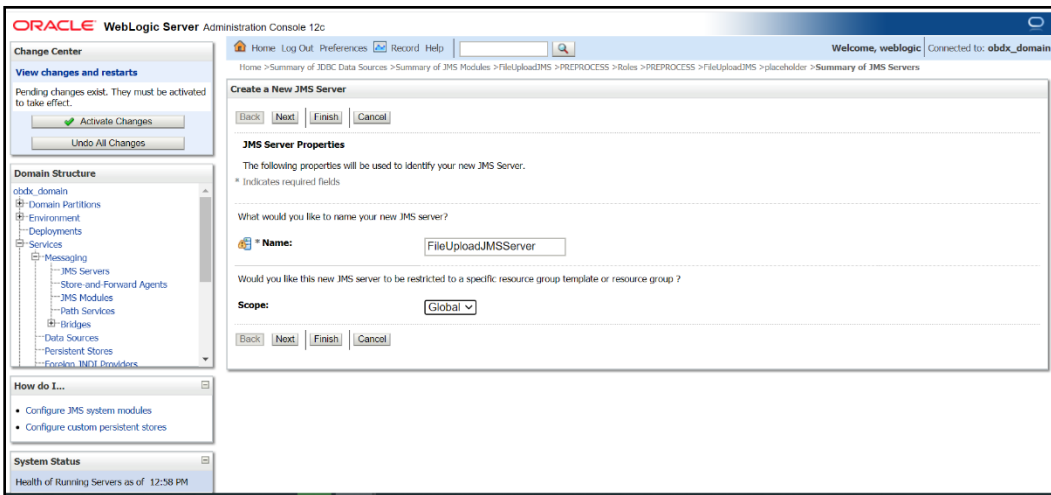
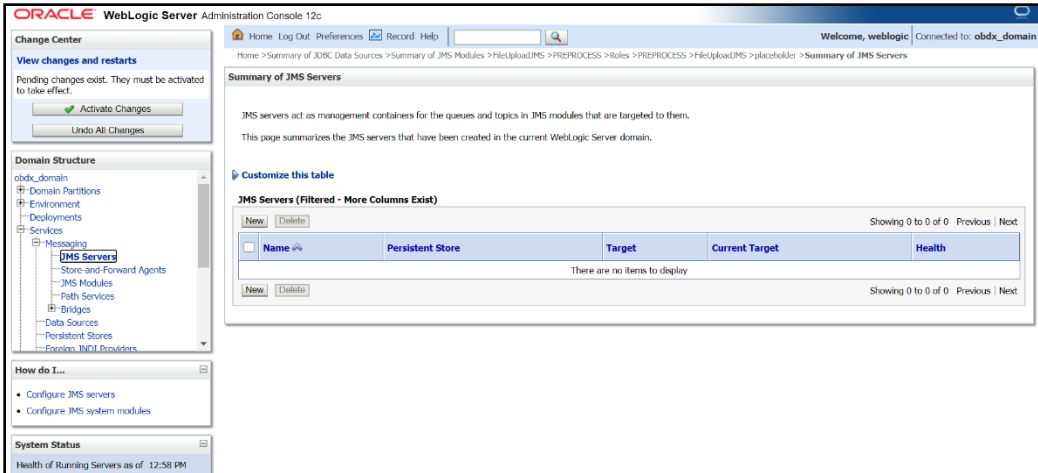


5. Set target as cluster and click on Finish

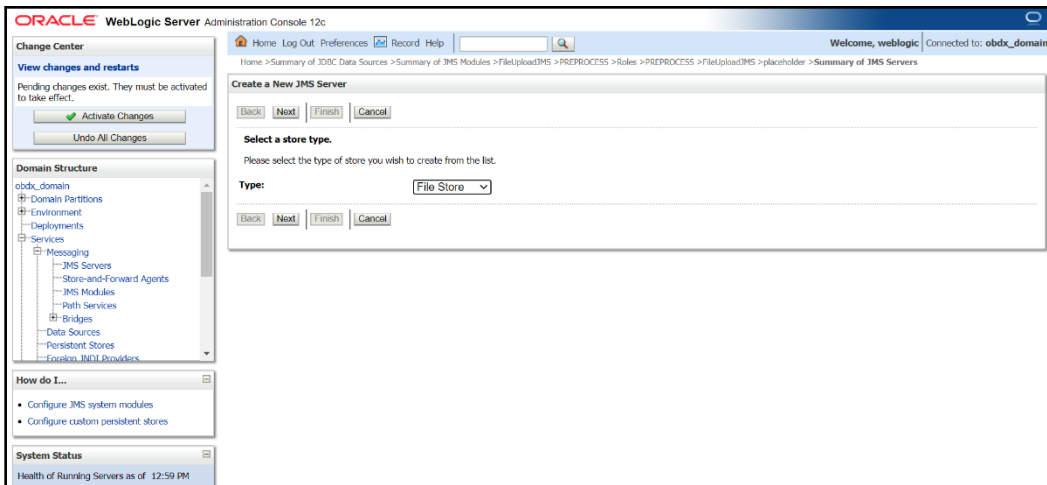
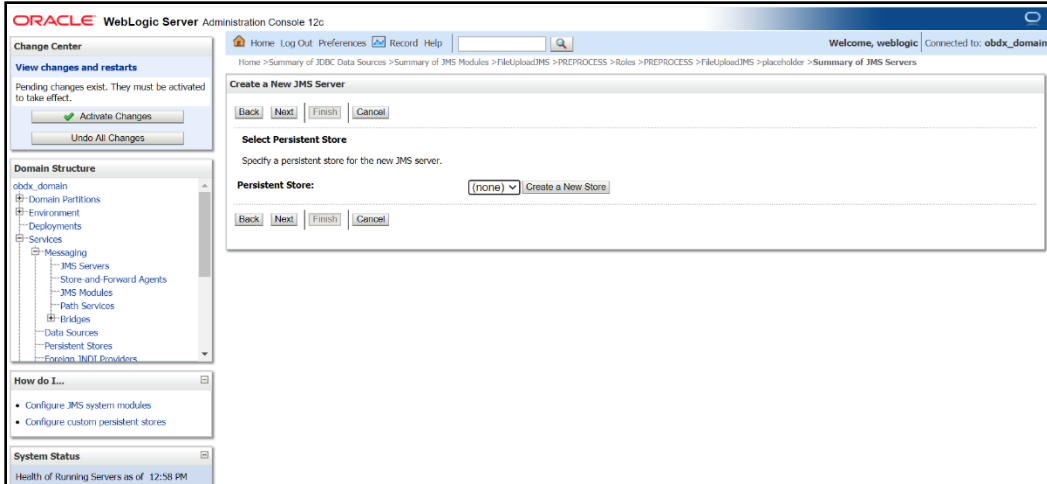


3.7 Create JMS server and JMS Module

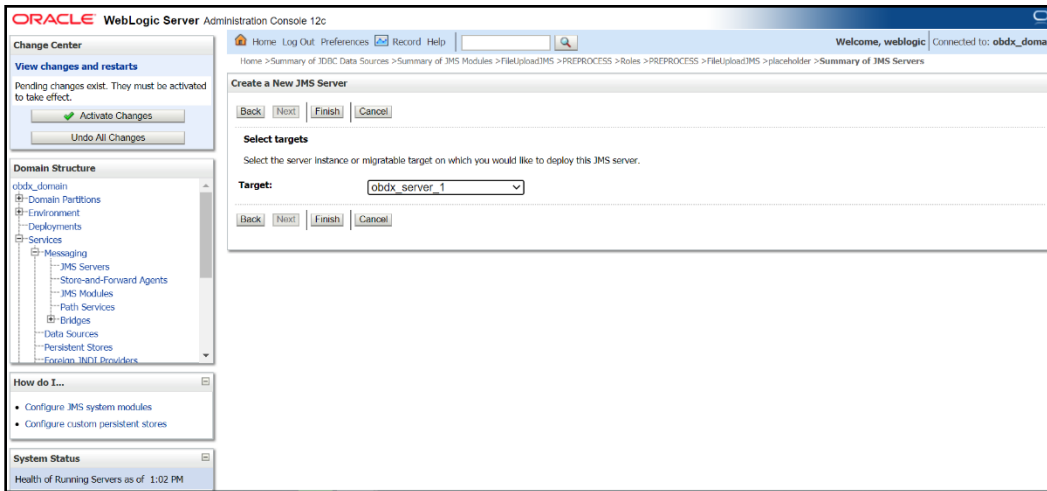
- Creating FileUploadJMS JSM Module
- Creating WLS_JMS_FILEUPLOAD_PS FileStore
- Creating FileUploadJMSServer JMS Server



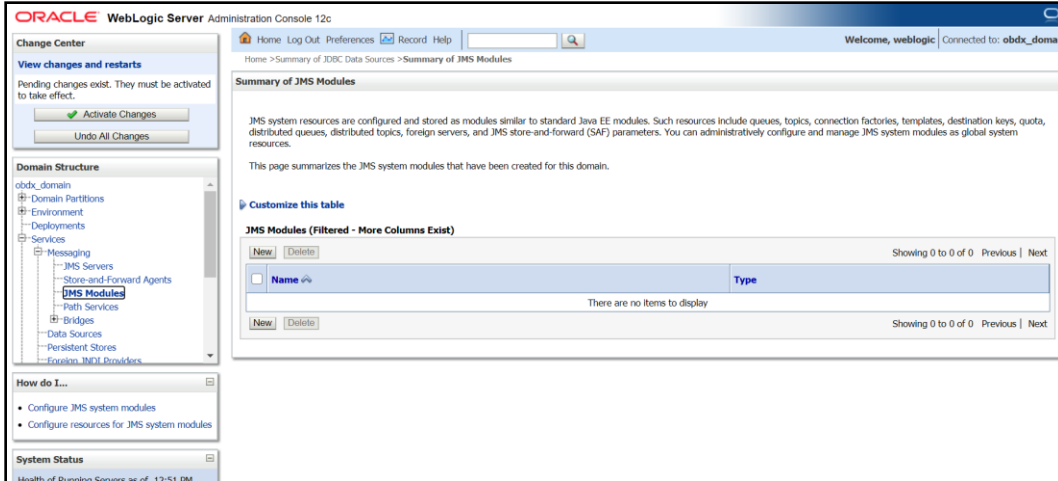
1. Click on JMS Servers → Name – FileUploadJMSServer -- > Click on Next



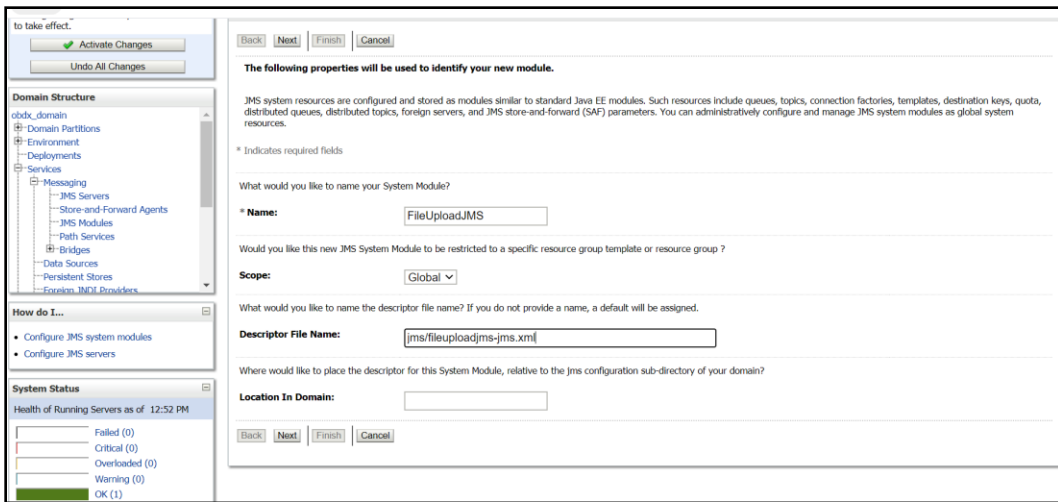
2. Select Type as File Store and click on Next



3. Select target as managed server and click on Finish



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

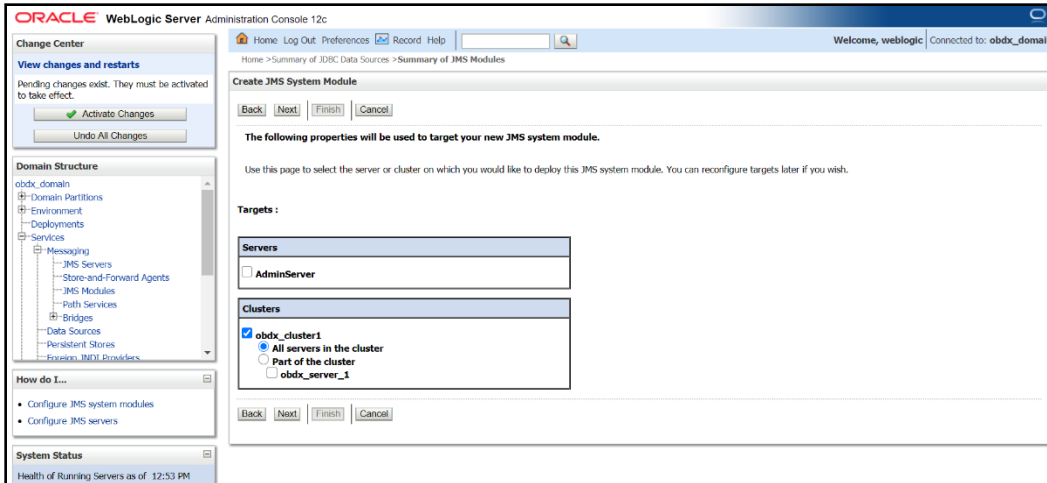


5. Name :- FileUploadJMS

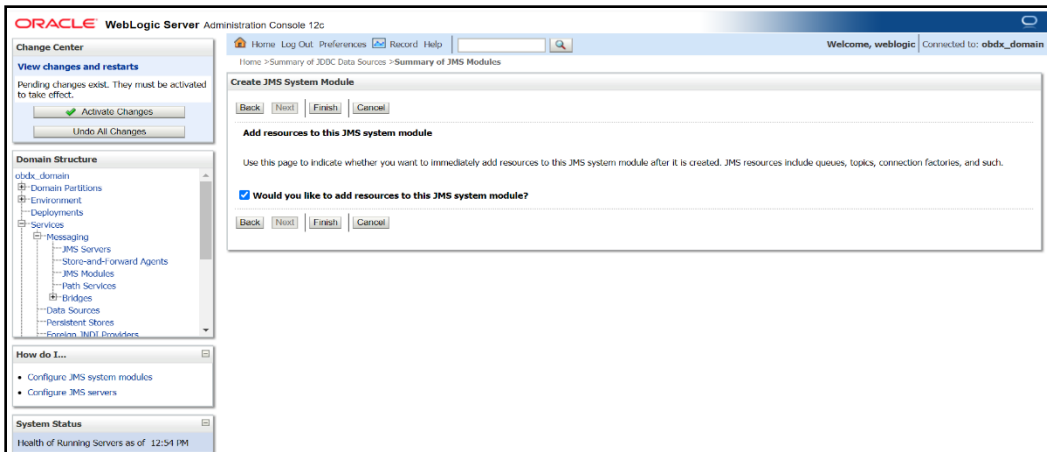
Scope:- Global

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

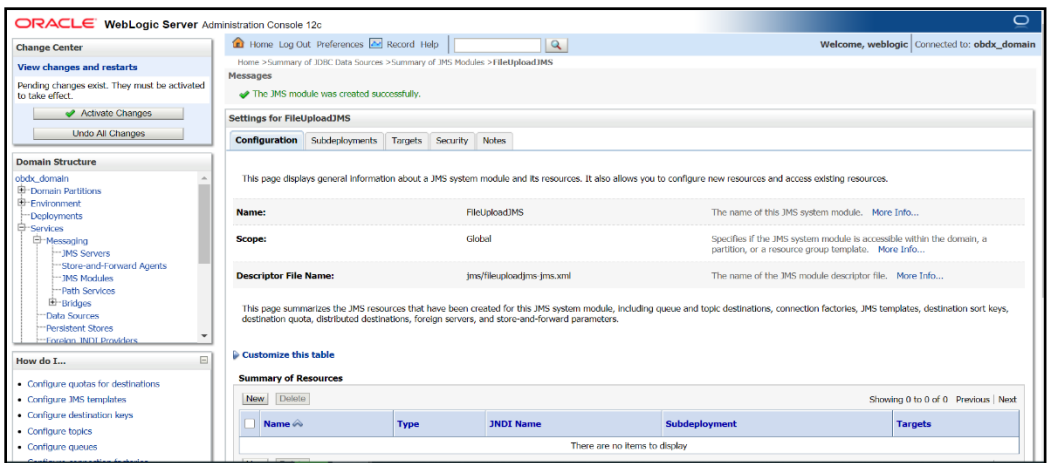
6. Click on Next



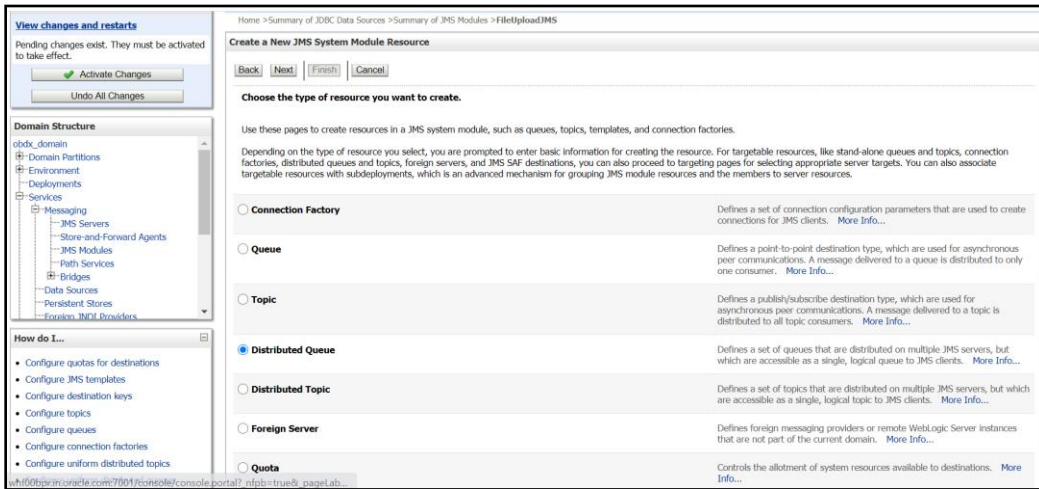
7. Set target as cluster → click on Next



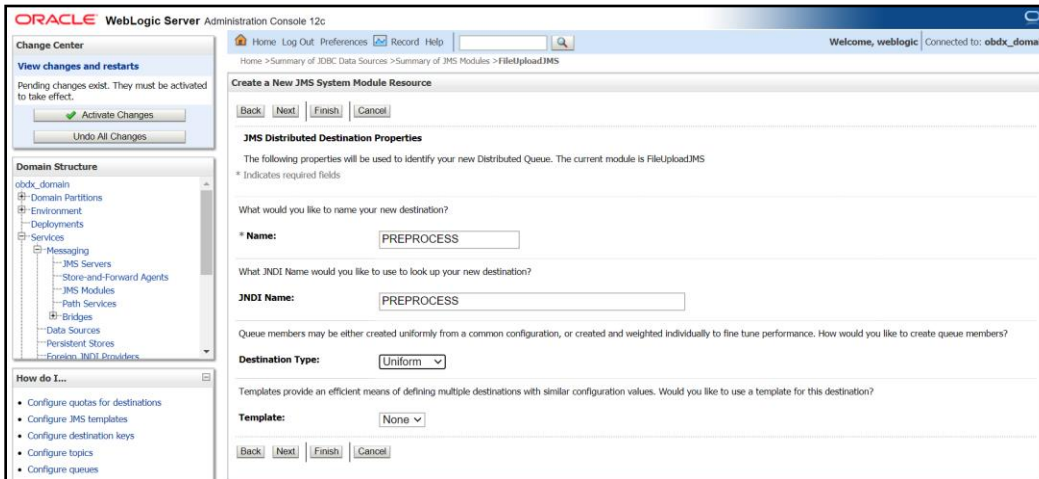
8. Select Would you like to add resources to this JMS system module and click on finish



9. Select new



10. Select Distributed Queue and click next



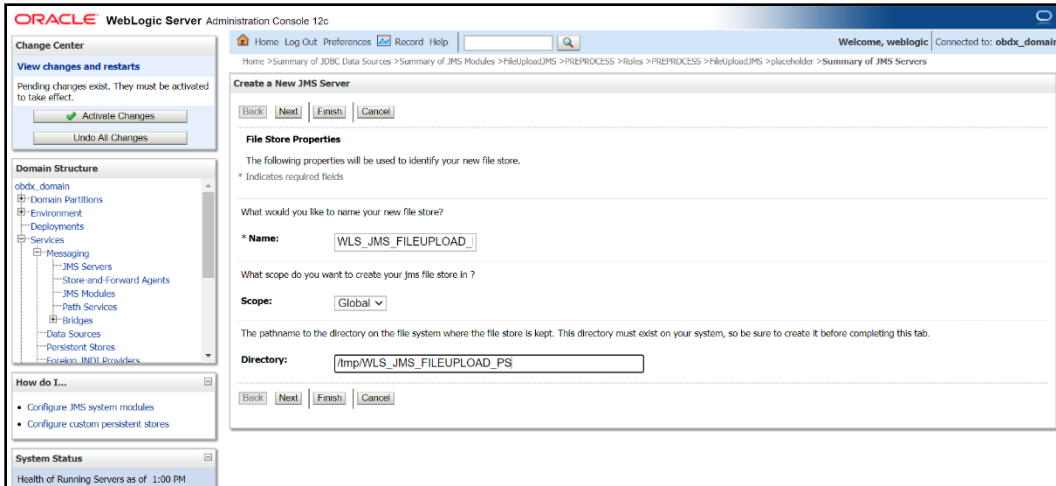
11. Provide

Name: - PREPROCESS

JNDI Name: - PREPROCESS

Destination Type: - Uniform

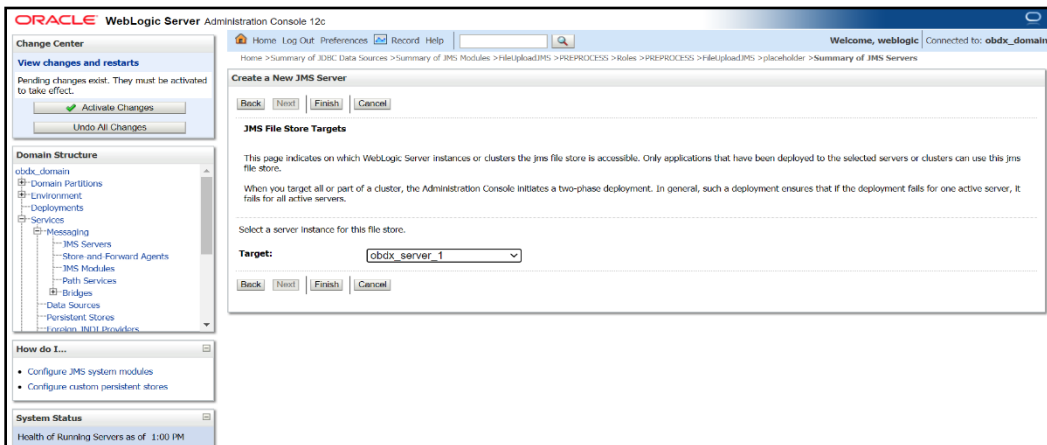
Template: - None



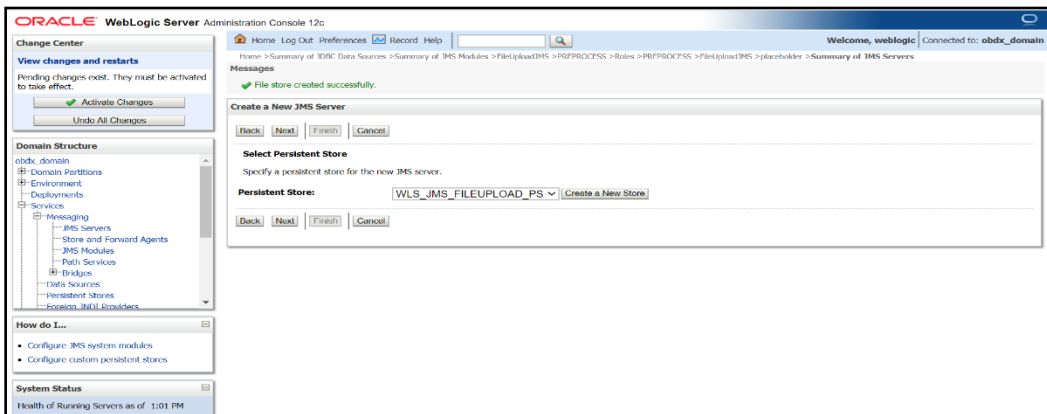
12. Name :- WLS_JMS_FILEUPLOAD_PS

Scope :- Global

Directory :- /tmp/WLS_JMS_FILEUPLOAD_PS

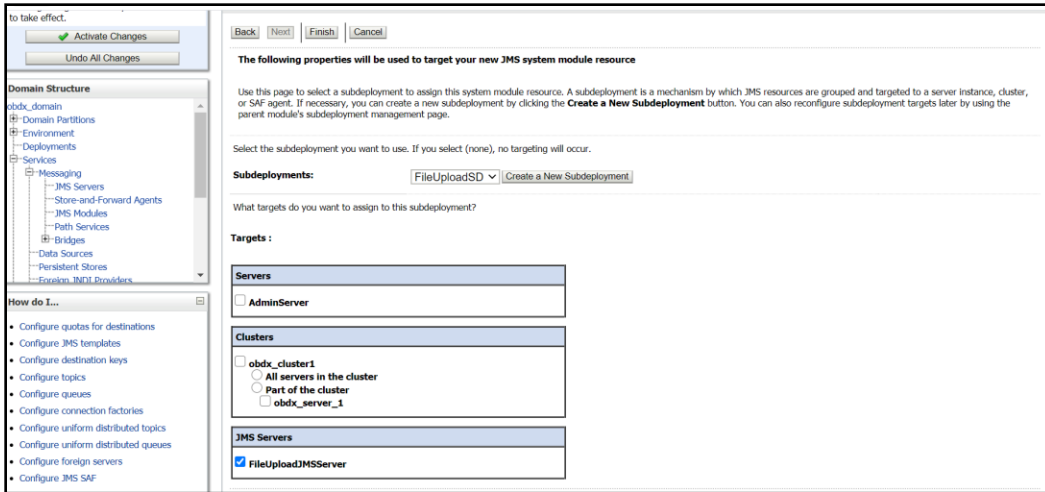


13. Select target as managed server

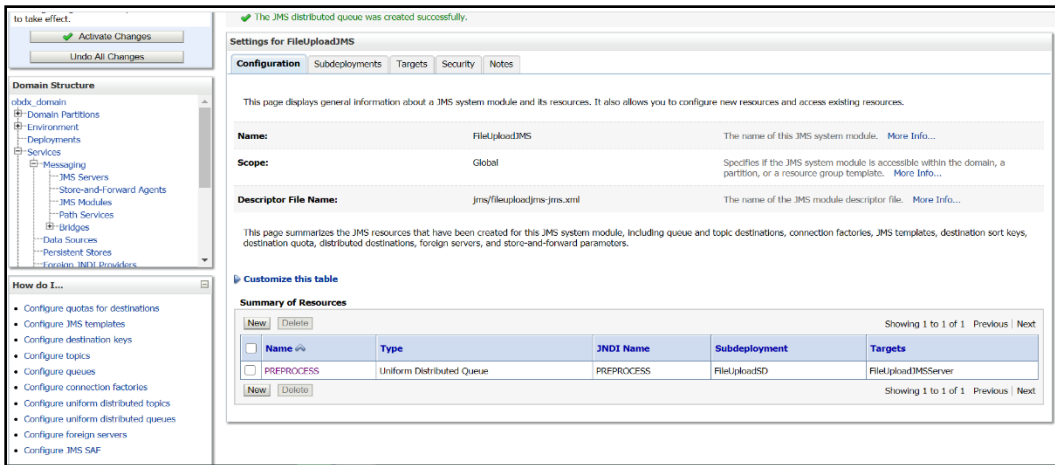


14. Select WLS_JMS_FILEUPLOAD_PS and click on Next

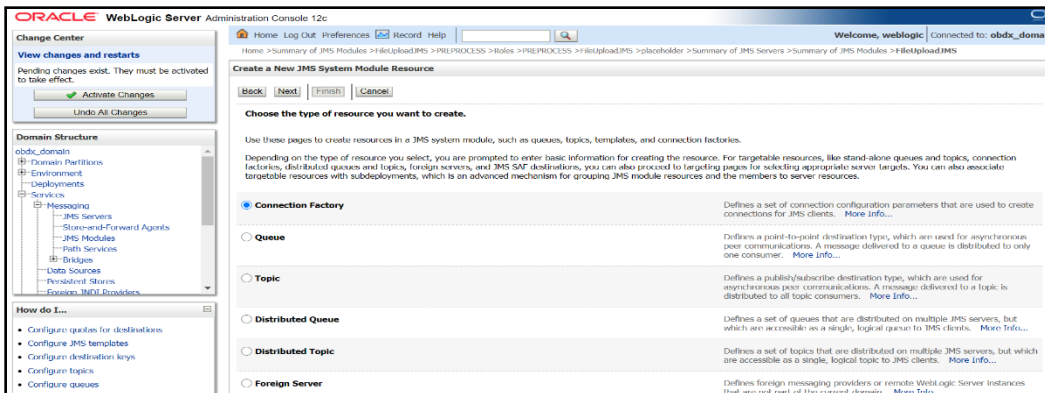
15. Select Create a New Subdeployment and create FileUploadSD



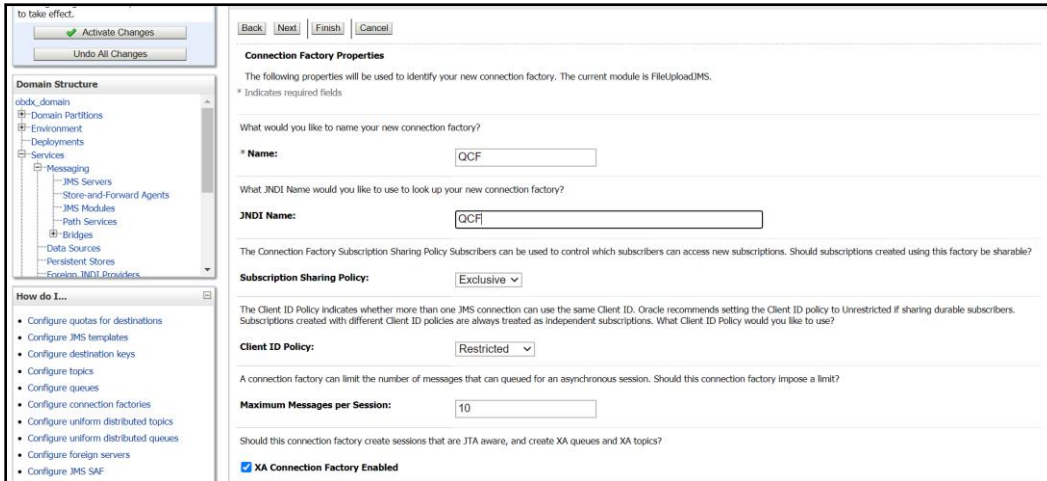
16. Select FileUploadJMSServer and click on Finish



17. Similarly Go into FileuploadJMS module and click on Next



18. Select Connection factory -> Click Next



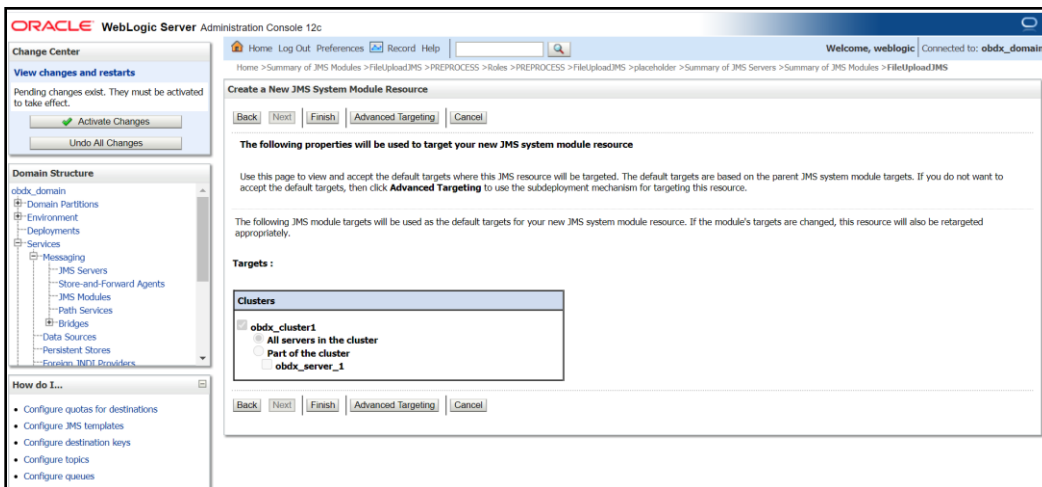
19. Provide

Name :- OCF

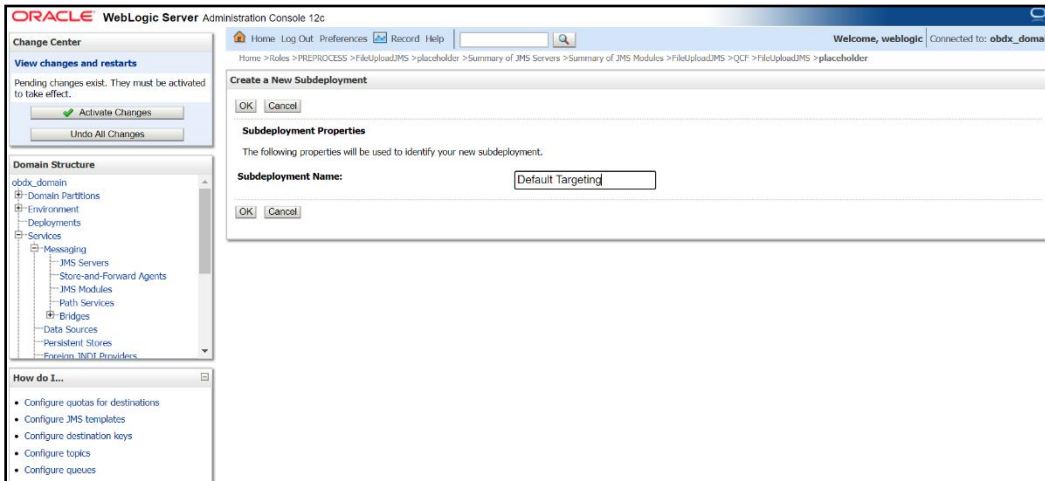
JNDI Name :- OCF

Subscription Sharing Policy :- Exclusive

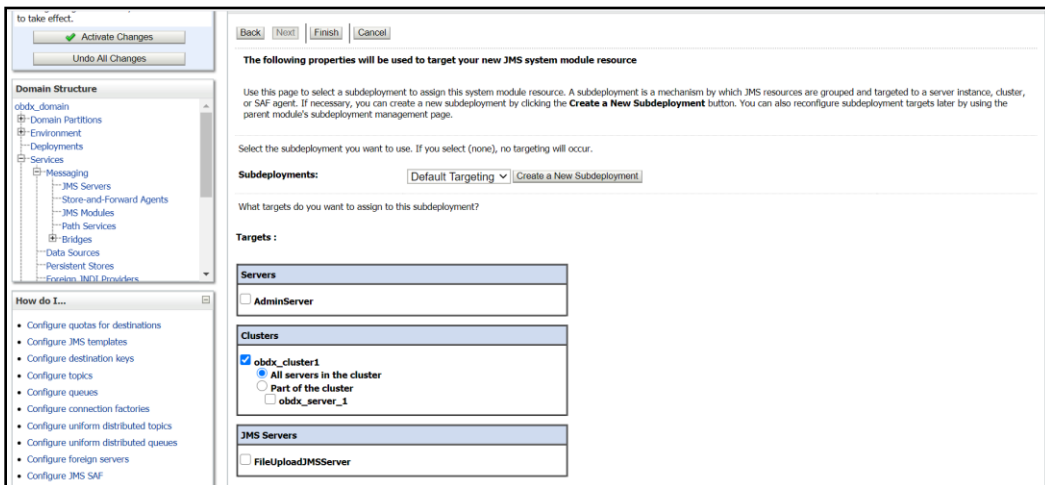
Client ID Policy :- Restricted



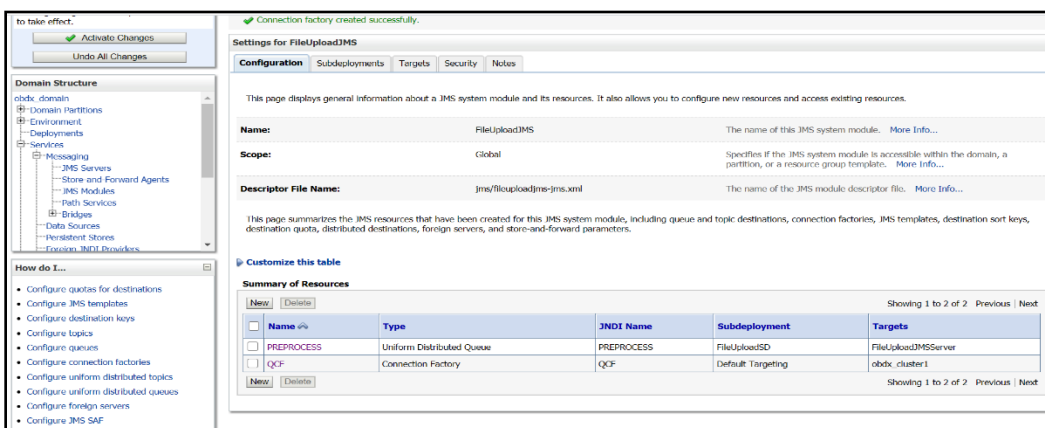
20. Click on Advanced targeting



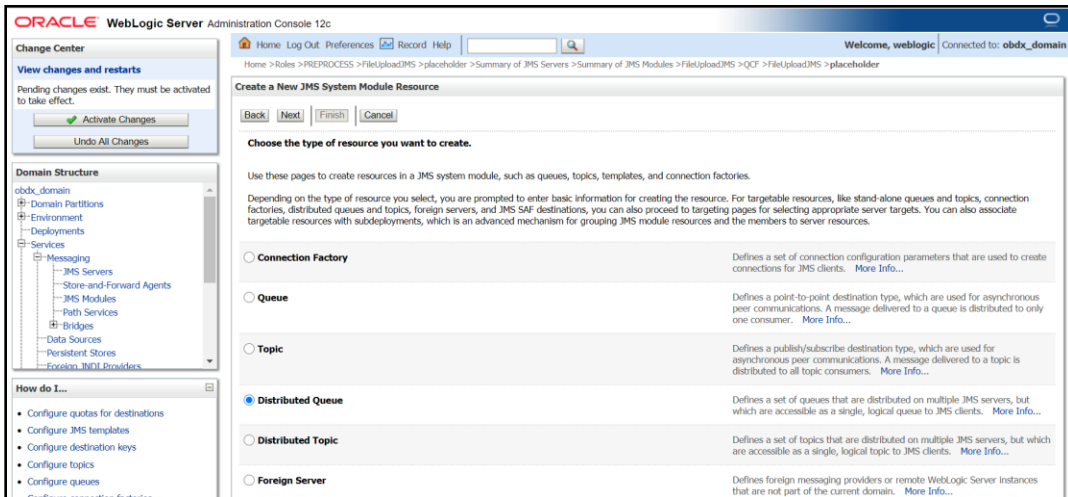
21. Provide Subdeployment Name as Default Targeting



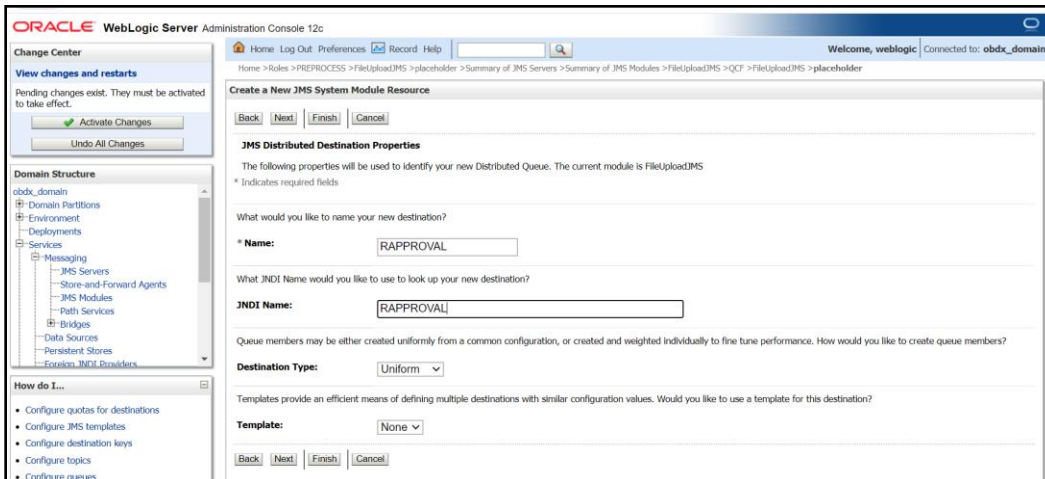
22. Select cluster and click on Finish



23. Go to FileUpload JMS click on New

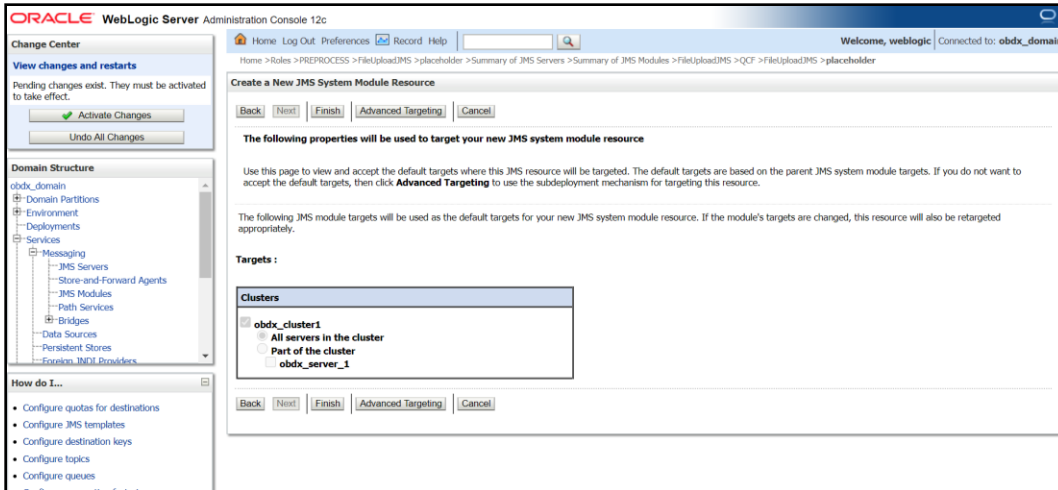


24. Select Distributed Queue

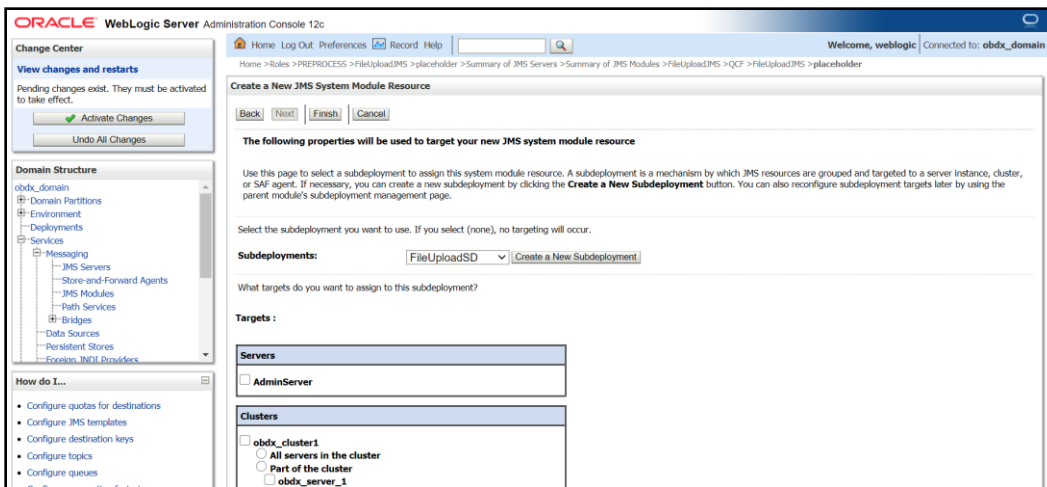


25. Provide

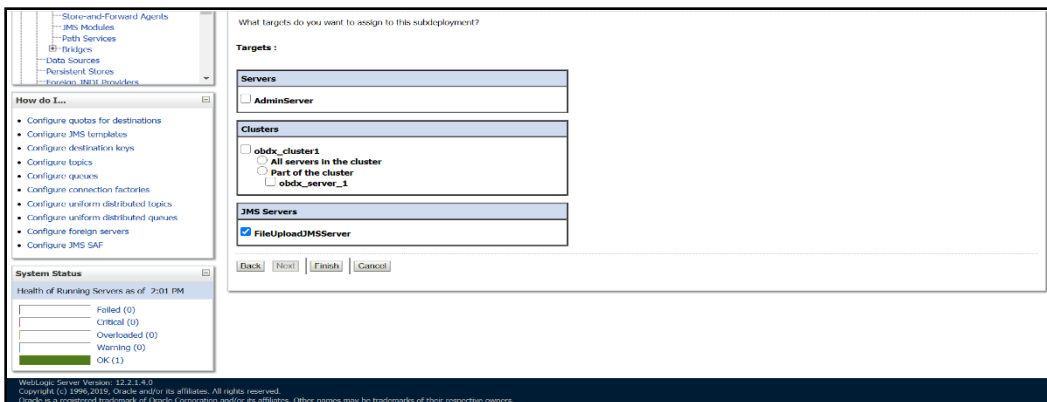
- Name :- RAPPROVAL**
- JNDI Name :- RAPPROVAL**
- Destination Type:- Uniform**
- Template :- None**



26. Select Advance targeting



27. Select Subdeployment :- FileUploadSD



28. 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.

Summary of Resources

Name	Type	JNDI Name	Subdeployment	Targets
PREPROCESS	Uniform Distributed Queue	PREPROCESS	FileUploadSD	FileUploadJMSServer
QCF	Connection Factory	QCF	Default Targeting	obdx_cluster1
RAPPROVAL	Uniform Distributed Queue	RAPPROVAL	FileUploadSD	FileUploadJMSServer

3.8 Creating WLS_JMS_AUDIT_PS FileStore

3.9 Creating AuditJMSServer JMS Server

3.10 Creating WLS_JMS_REPORT_PS FileStore

ORACLE WebLogic Server Administration Console 12c

Welcome, weblogic | Connected to: obdx_domain

Home > PREPROCESS > FileUploadJMS > placeholder > Summary of JMS Servers > Summary of JMS Modules > FileUploadJMS > QCF > FileUploadJMS > placeholder > Summary of JMS Servers

Create a New JMS Server

Back | Next | Finish | Cancel

JMS Server Properties

The following properties will be used to identify your new JMS Server.

* Indicates required fields

What would you like to name your new JMS server?

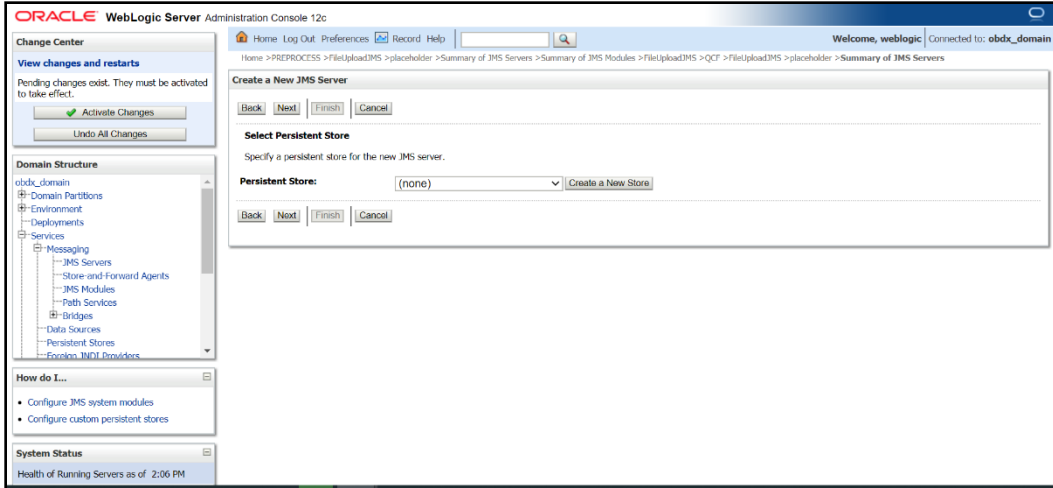
Name: AuditJMSServer

Would you like this new JMS server to be restricted to a specific resource group template or resource group?

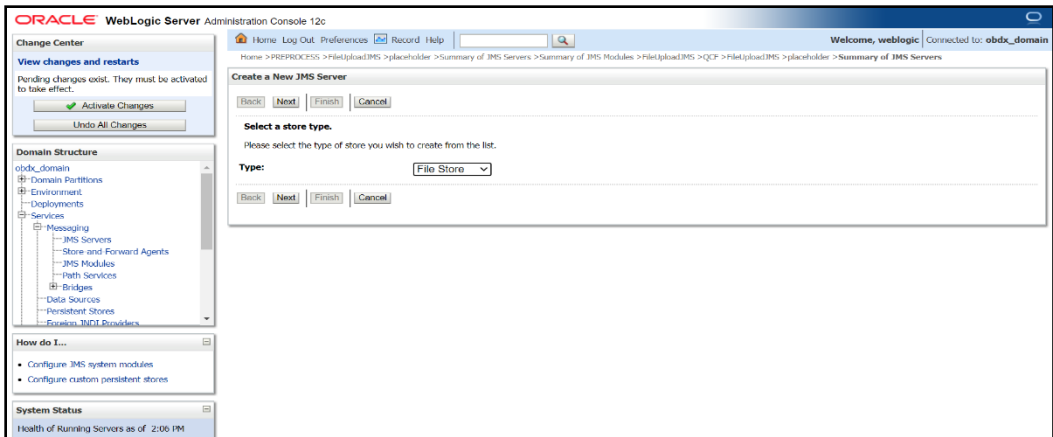
Scope: Global

Back | Next | Finish | Cancel

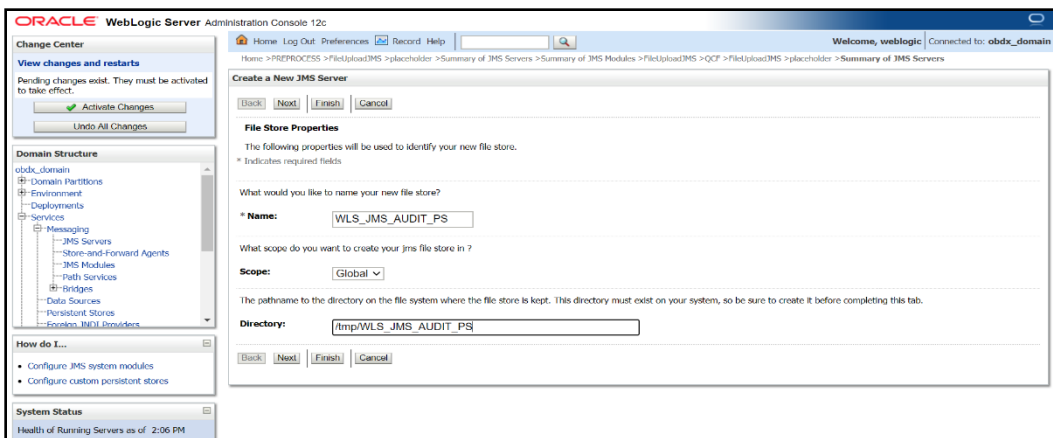
1. Click on JMS server and click on New
2. Provide Name as AuditJMSServer , Scope as Global



3. Click on Create a New Store



4. Select File Store

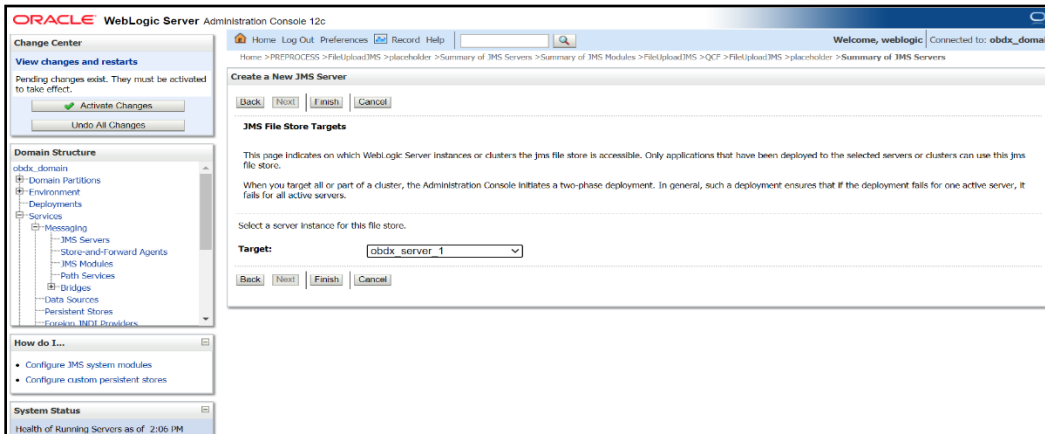


5. Provide

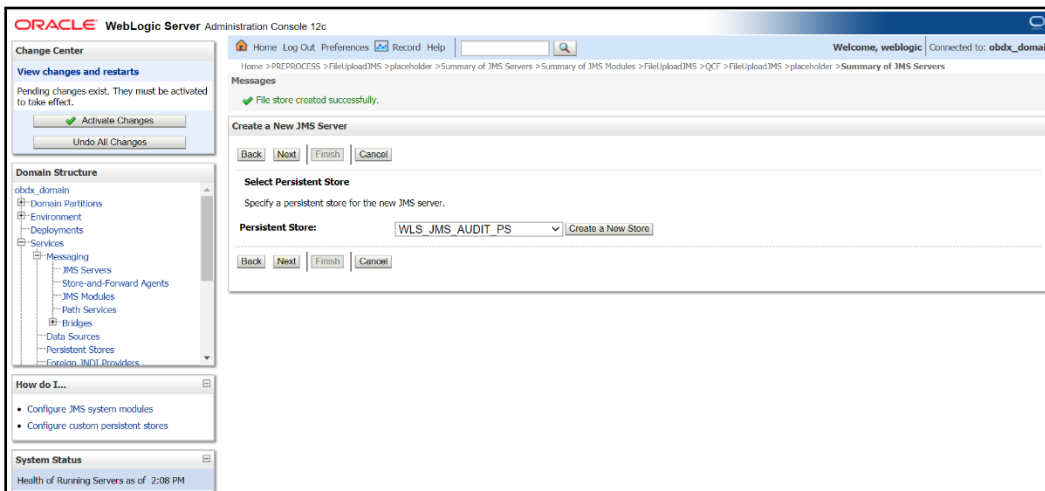
Name :- WLS_JMS_AUDIT_PS

Scope :- Global

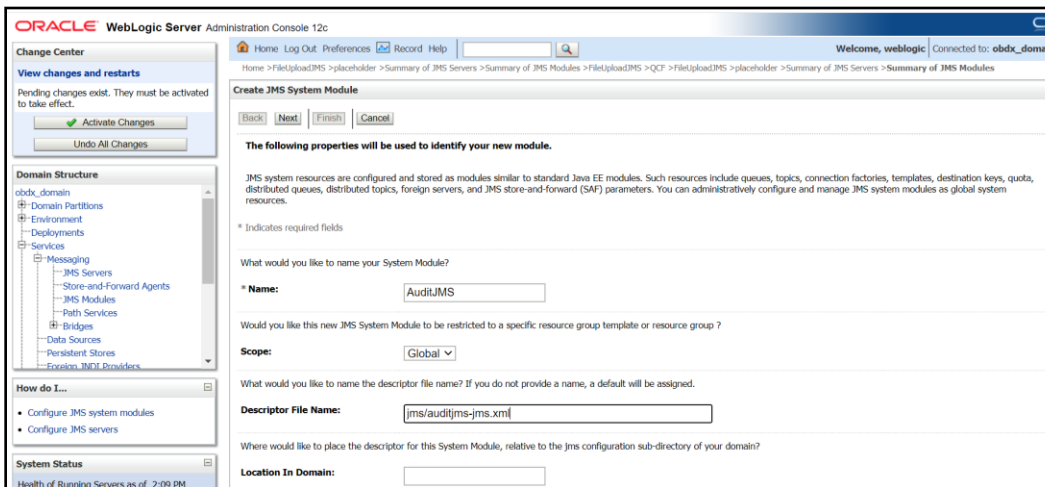
Directory :- /tmp/WLS_JMS_AUDIT_PS



6. Select Target as managed server and click on Finish



7. Select the new store created WLS_JMS_AUDIT_PS and click on Next

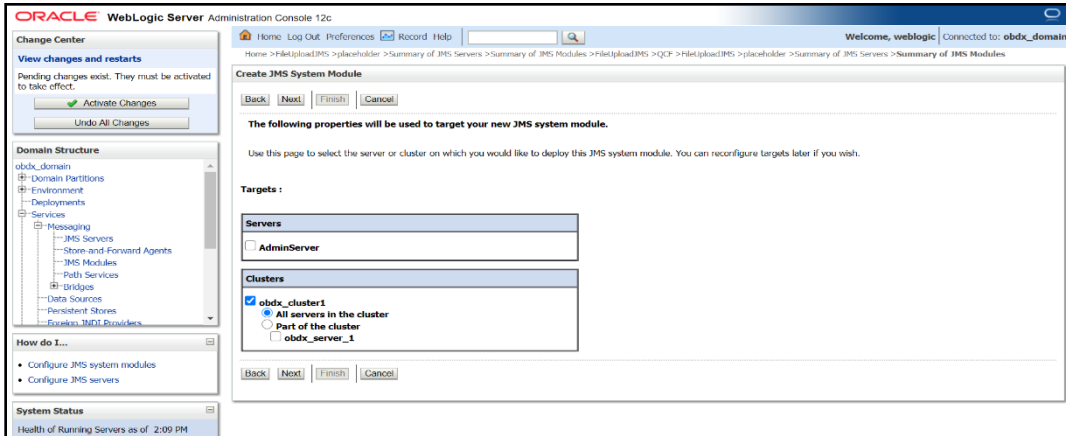


8. Provide

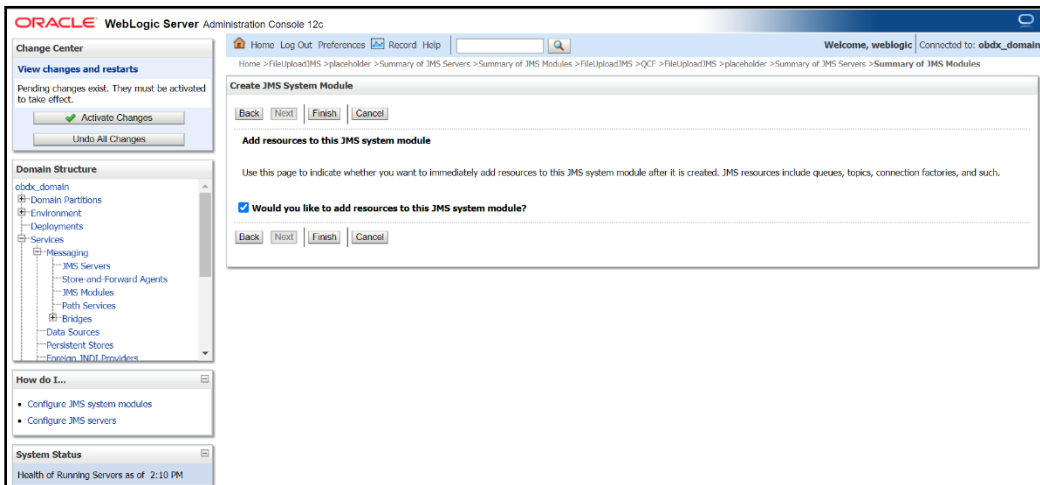
Name :- AuditJMS

Scope :- Global

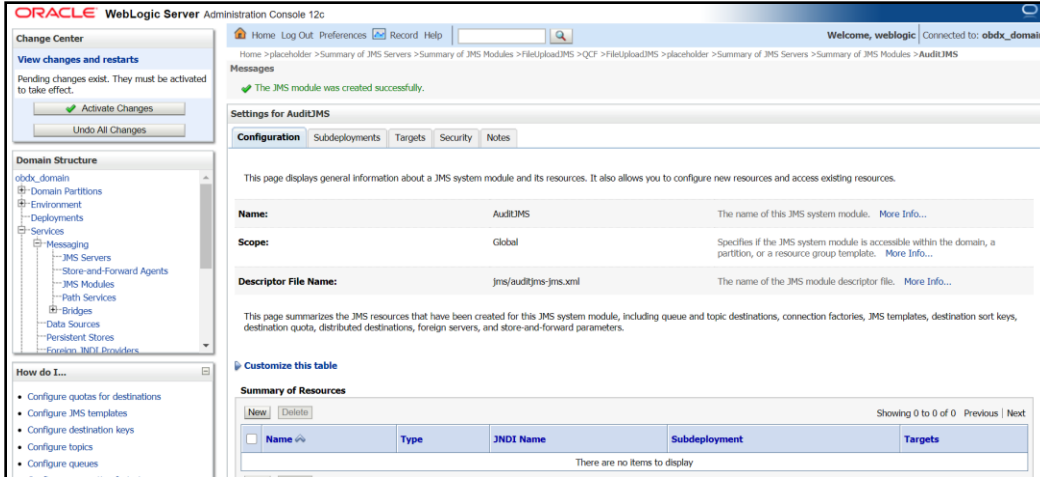
Descriptor File Name:- jms/auditjms-jms.xml



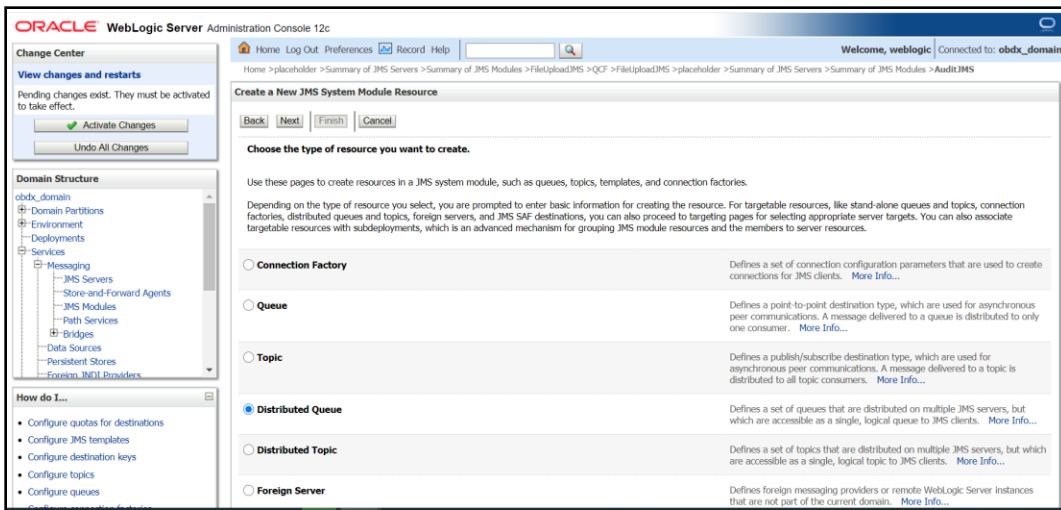
9. Select Cluster as a target



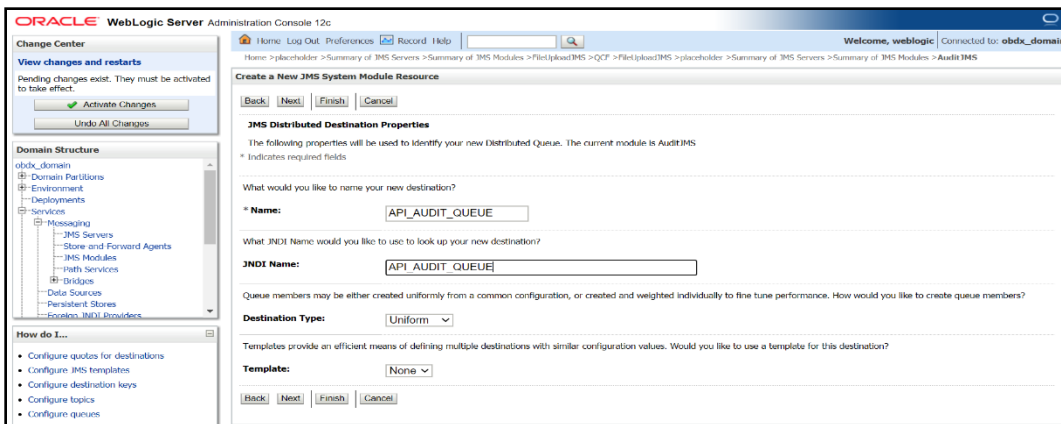
10. Select would you like to add resource to this JMS system module?



11. Click on new



12. Select Distributed Queue

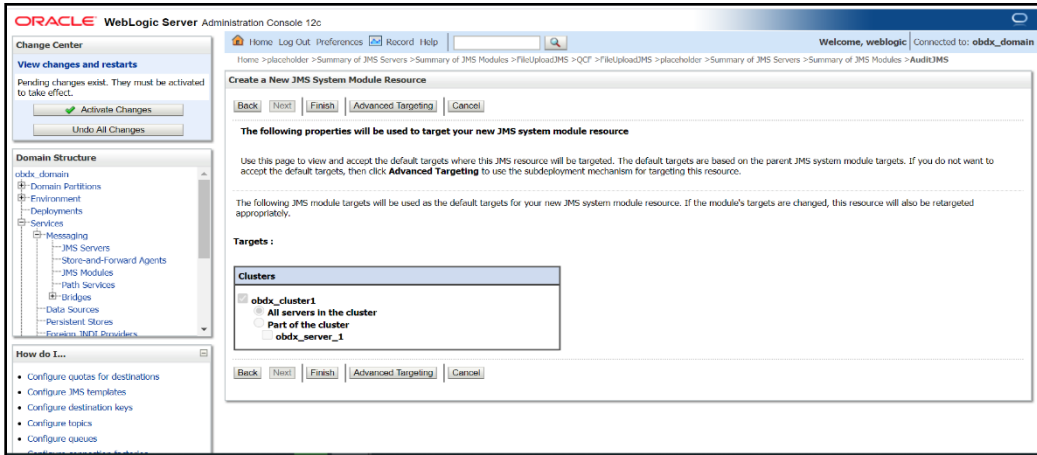


13. Name:- API_AUDIT_QUEUE

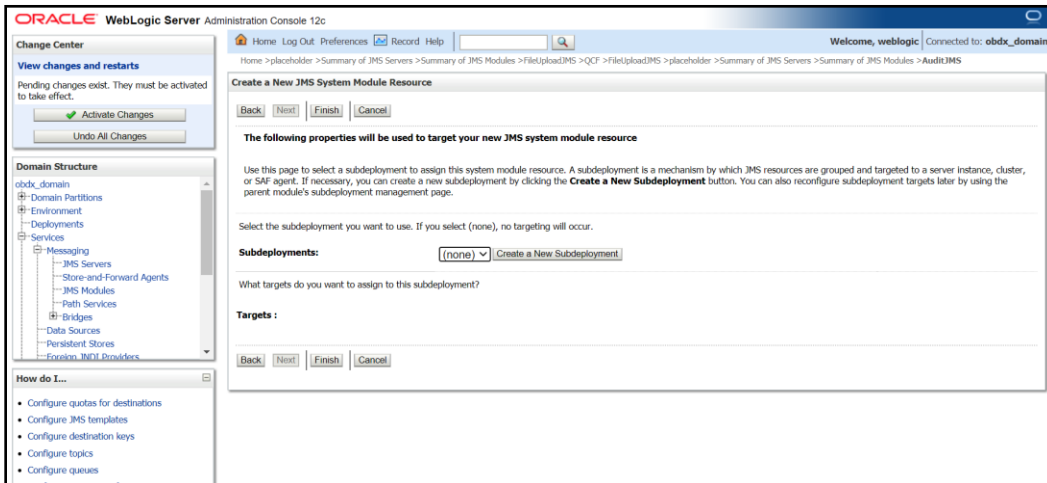
JNDI Name:- API_AUDIT_QUEUE

Destination Type :- Uniform

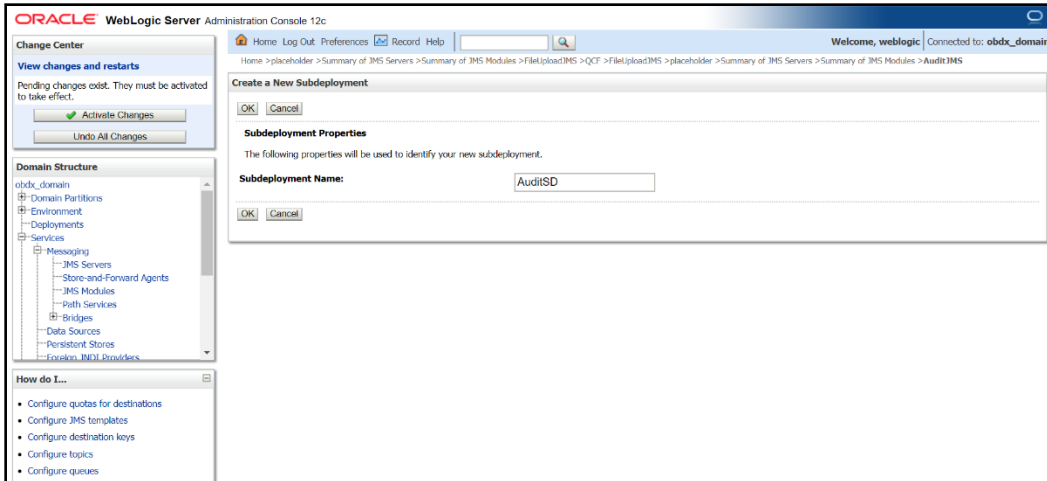
Template:- None



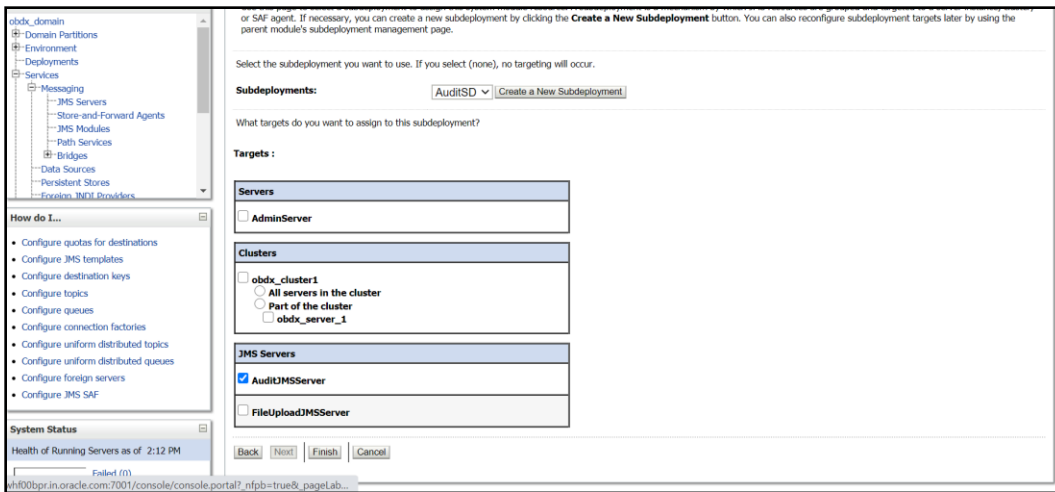
14. Select Advance targeting



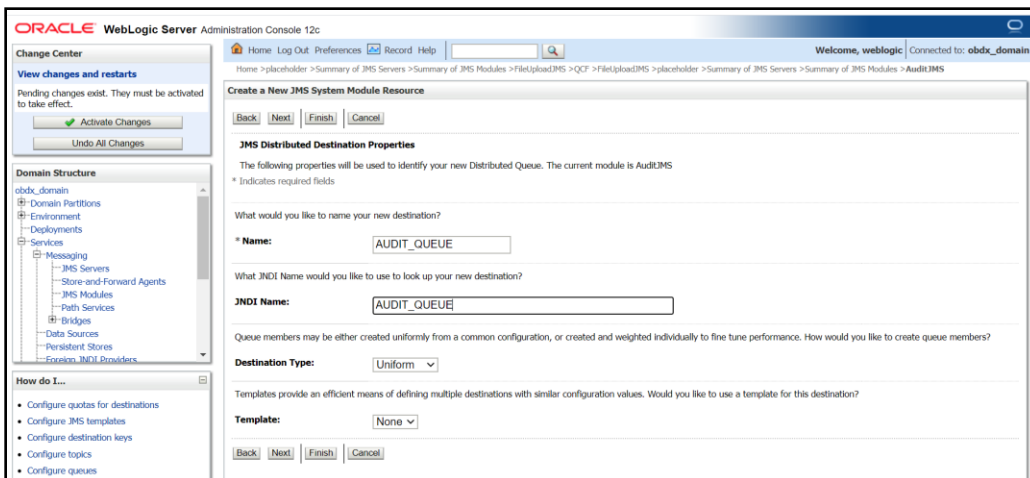
15. Click on Create a New Subdeployment

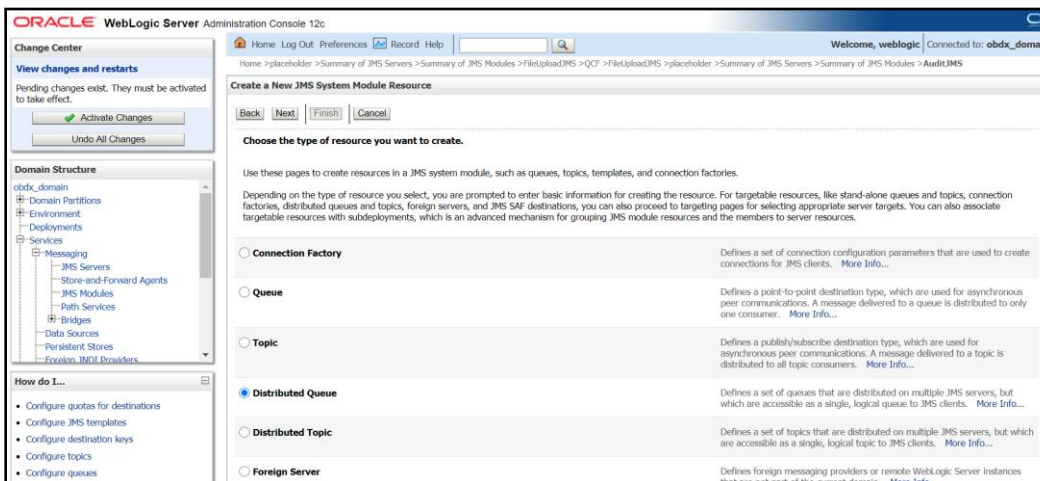
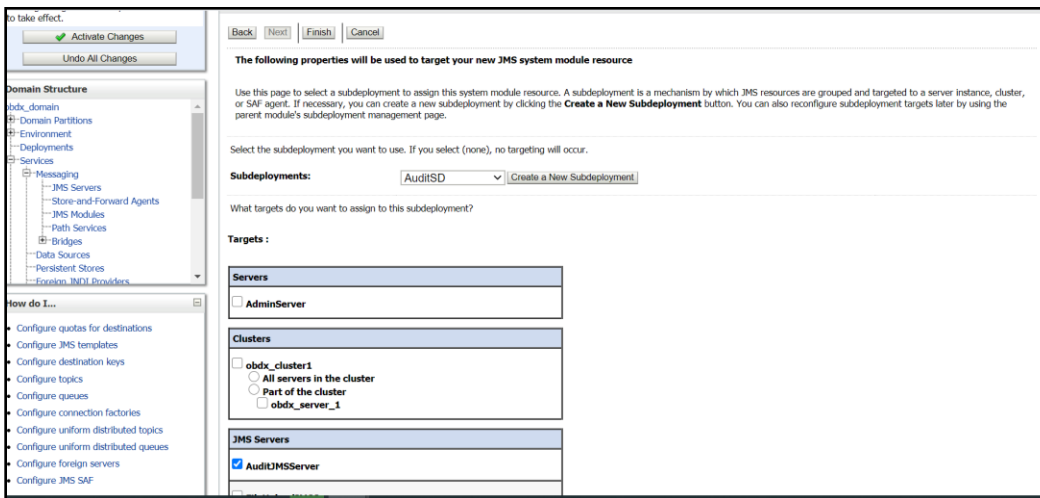
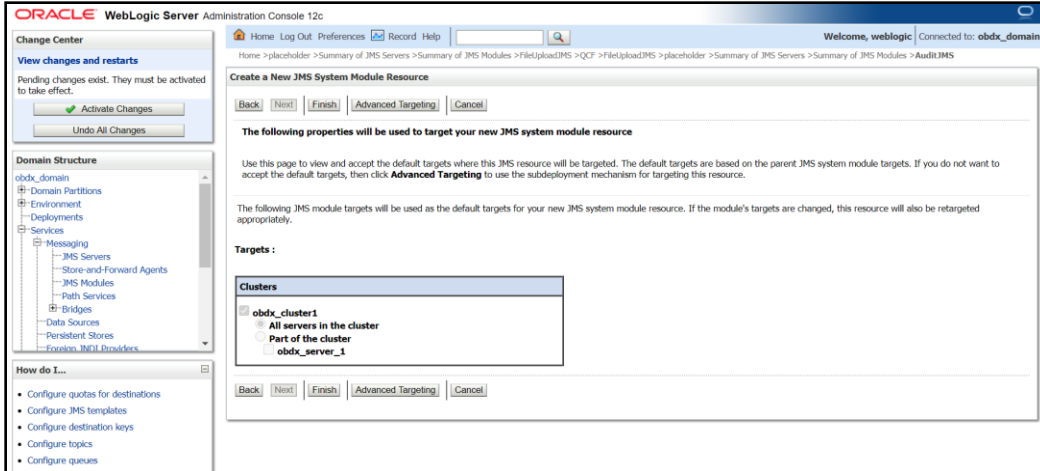


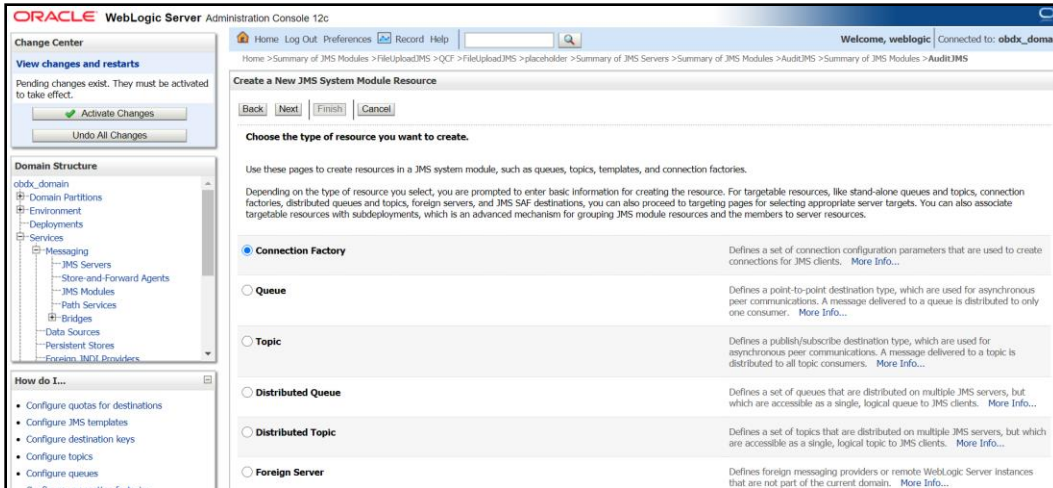
16. Provide Subdeployment Name as AuditSD



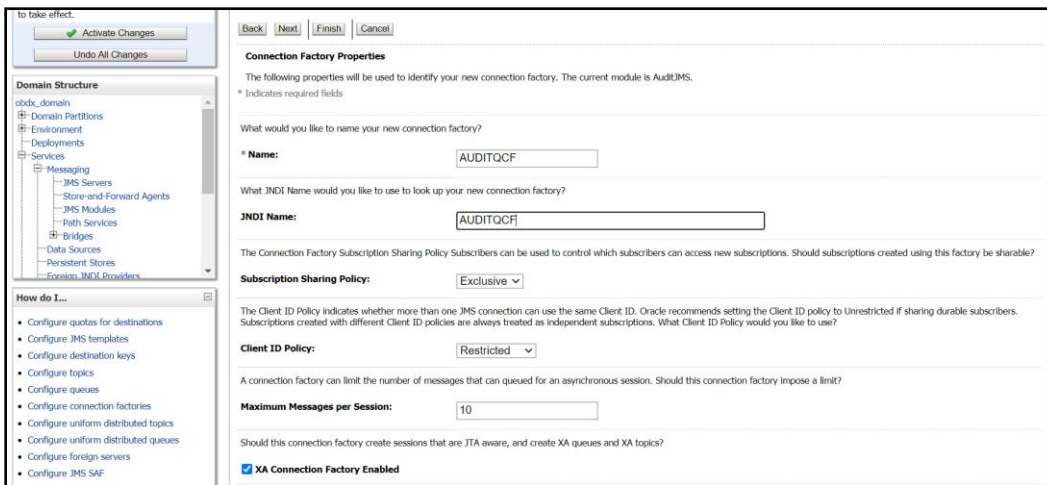
17. Select Target as AuditJMServer







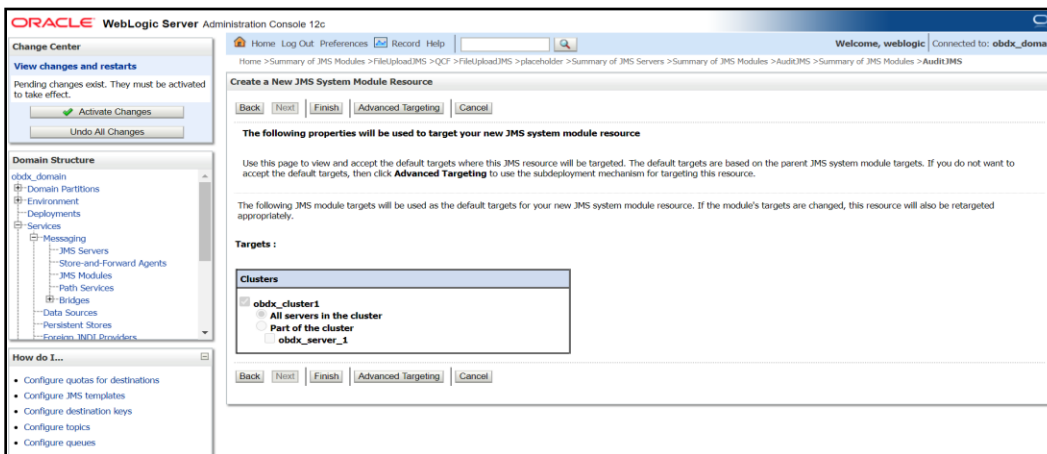
18. Click on connection Factory



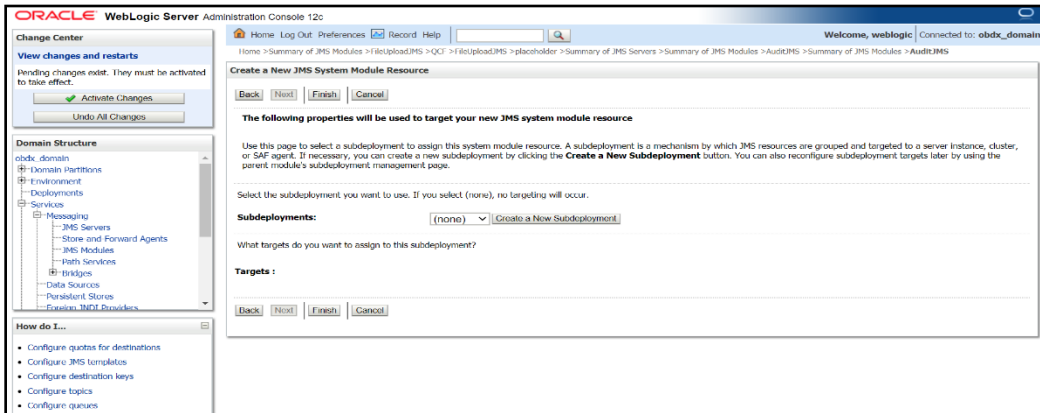
19. Provide

Name :- AUDITQCF

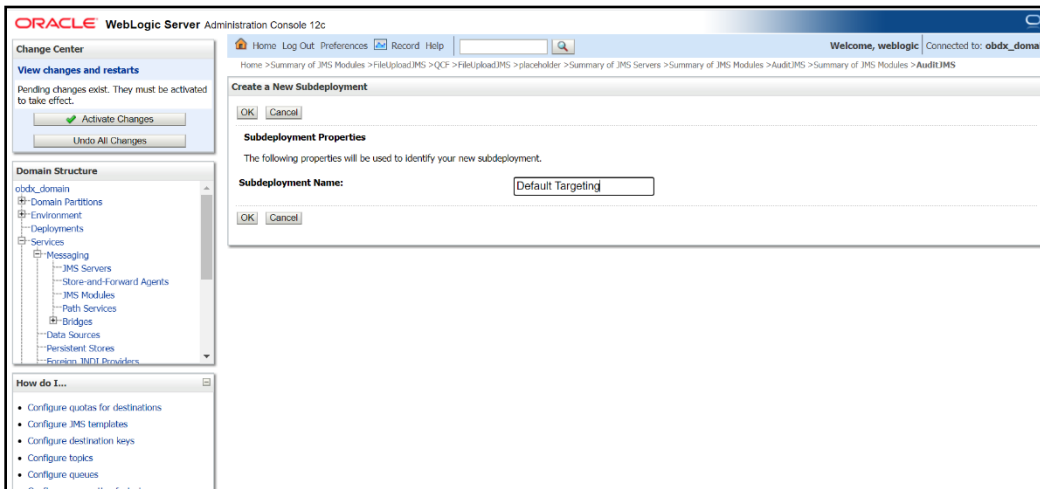
JNDI Name :- AUDITQCF



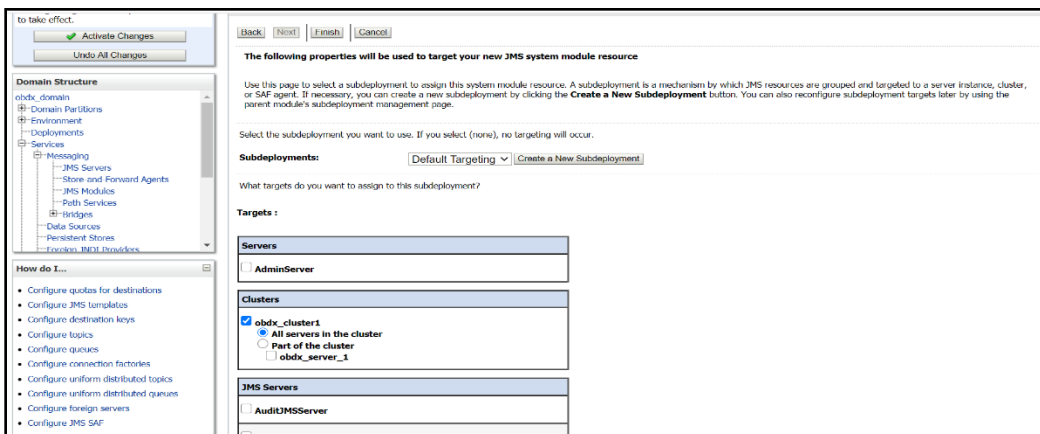
20. Click on Advanced Targeting



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 SAF

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 quota, distributed destinations, foreign servers, and store-end-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

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	

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

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/reportjmsmodule-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

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

REPORTADHOC – Uniform Distributed Queue

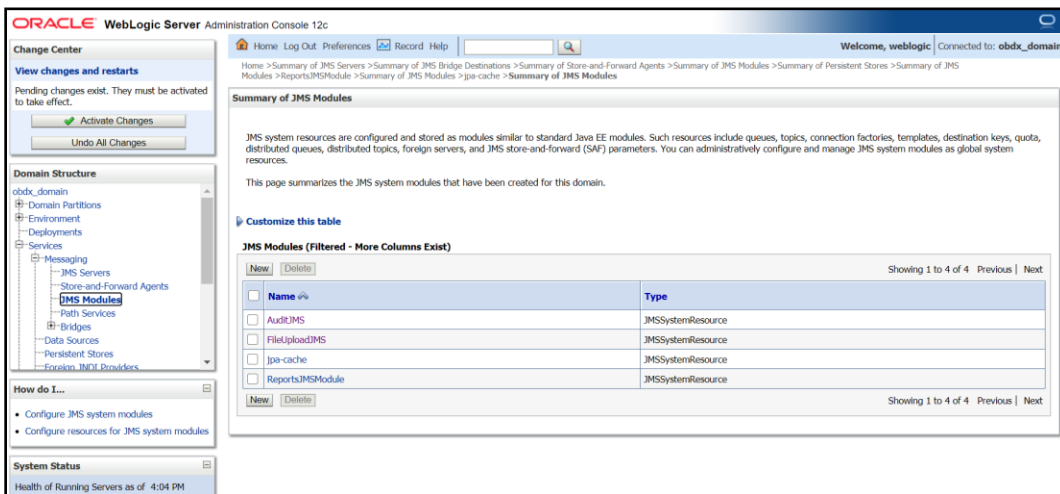
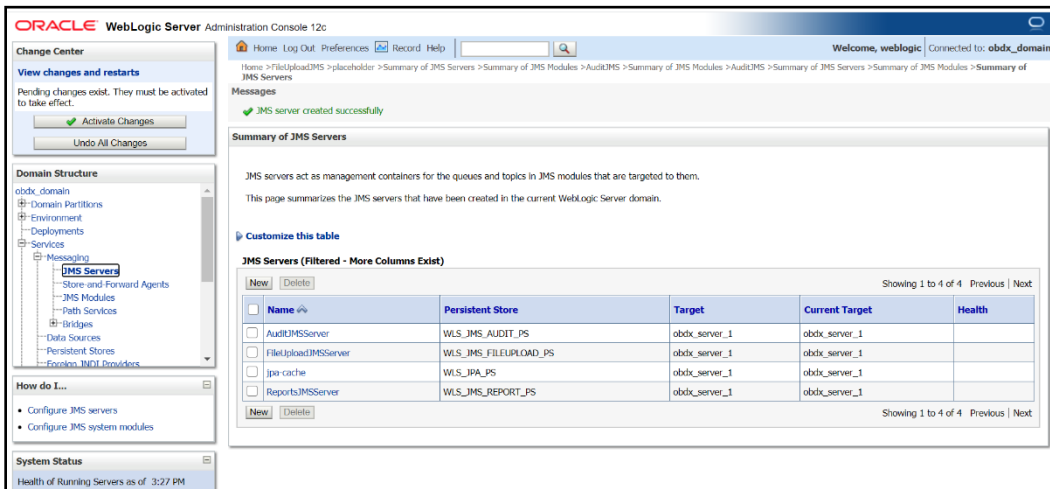
REPORTSCHEDULED -- Uniform Distributed Queue

ReportsQCF – Connection Factory

3.12 Creating jpa-cache JMS Server

3.13 Creating WLS_JPA_PS FileStore

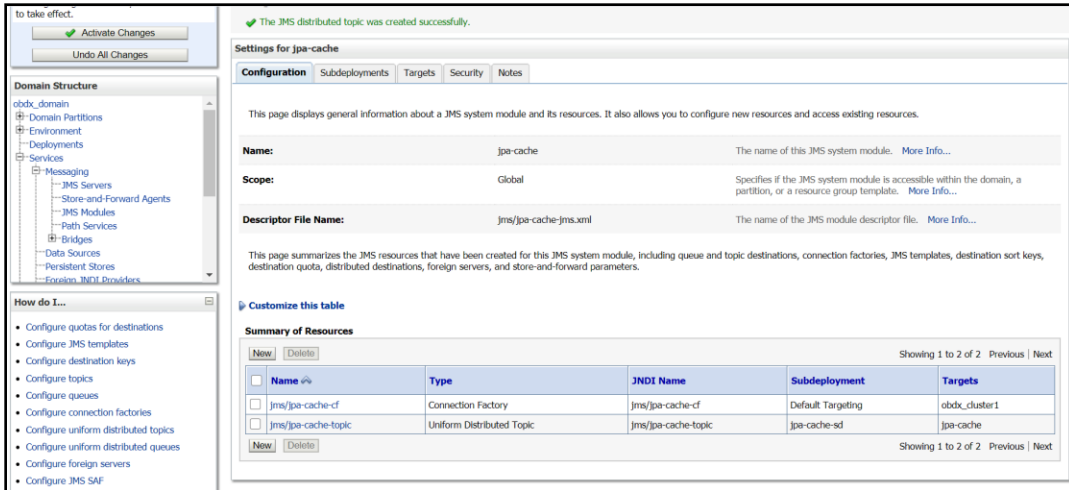
Create jpa-cache JMS server and jpa-cache JMS Module as show in below screen shot



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

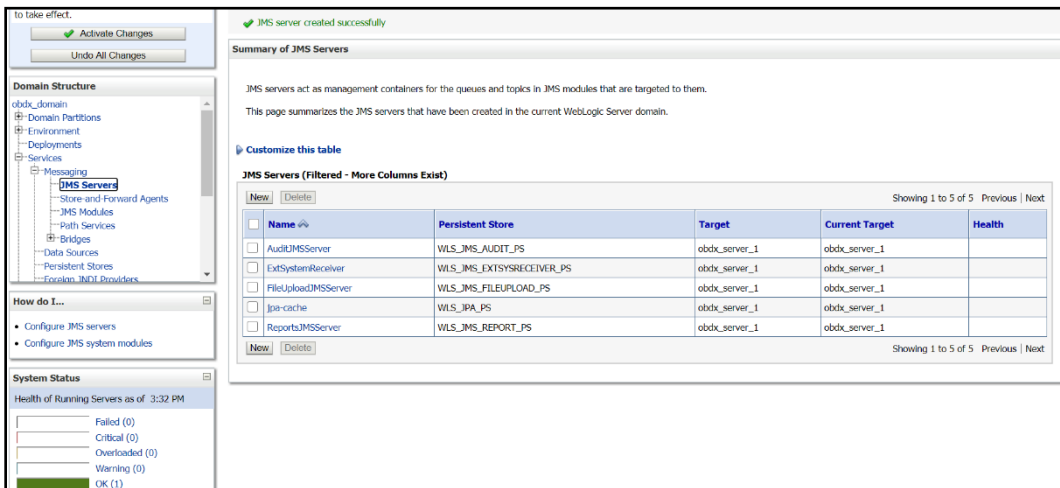
Jms/jpa-cache-cf --- Connection Factory

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



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

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 JMS system modules
- Configure resources for JMS system modules

System Status

Health of Running Servers as of: 4:16 PM

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

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)

Showing 1 to 5 of 5 Previous | Next

<input type="checkbox"/>	Name ↕	Type
<input type="checkbox"/>	AuxiliaryJMS	JMSSystemResource
<input type="checkbox"/>	ExtSystemReceiver	JMSSystemResource
<input type="checkbox"/>	FileUploadJMS	JMSSystemResource
<input type="checkbox"/>	java-cache	JMSSystemResource
<input type="checkbox"/>	ReportsJMSModule	JMSSystemResource

Showing 1 to 5 of 5 Previous | Next

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

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

Settings for ExtSystemReceiver

The JMS distributed queue was created successfully.

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

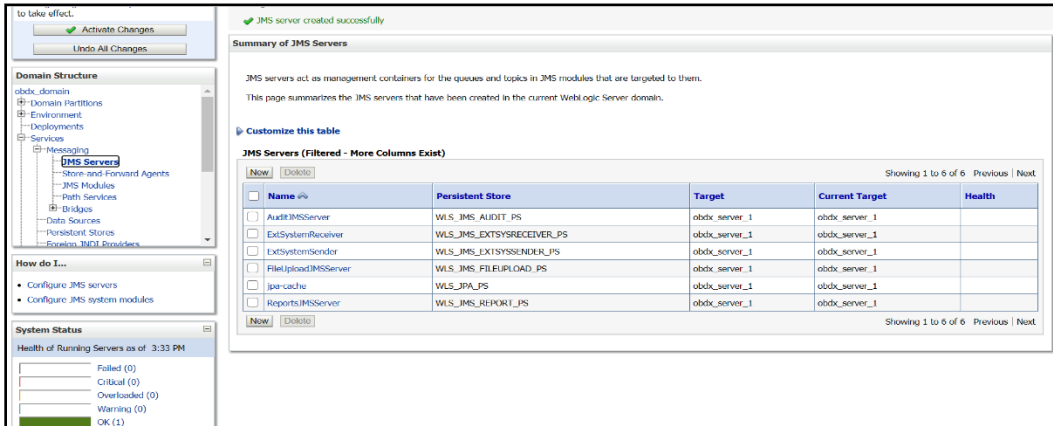
Showing 1 to 2 of 2 Previous | Next

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	ExtSystemReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_cluster1
<input type="checkbox"/>	ExtSystemReceiverQueue	Uniform Distributed Queue	ExtSystemReceiverQueue	ExtSystemReceiverSub	ExtSystemReceiver

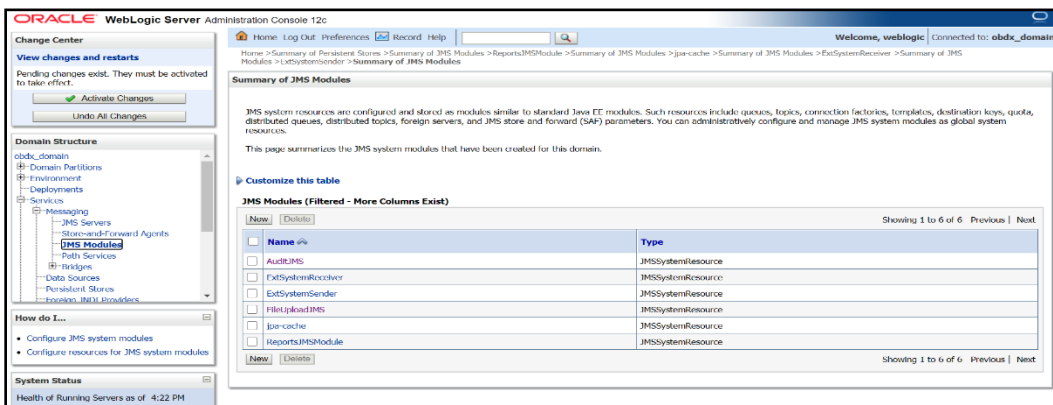
Showing 1 to 2 of 2 Previous | Next

3.15 Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS_JMS_EXTSYSSENDER_PS

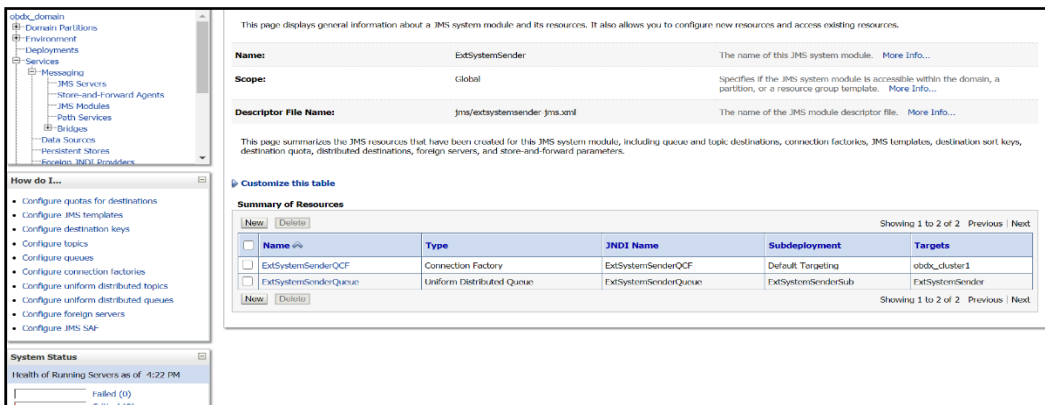
As show below create JMS Server ExtSystemSender



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 UBSForeignServer JMS Server

1. In JMSModule create UBSSystemModule

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 JMS system modules
- Configure resources for JMS system modules

System Status

Health of Running Servers as of 4:24 PM

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

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, quotas, 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"/> ExtSystemReceiver	JMSSystemResource
<input type="checkbox"/> ExtSystemSender	JMSSystemResource
<input type="checkbox"/> FileUploadJMS	JMSSystemResource
<input type="checkbox"/> Jpa-cache	JMSSystemResource
<input type="checkbox"/> ReportsJMSModule	JMSSystemResource
<input type="checkbox"/> UBSSystemModule	JMSSystemResource

Showing 1 to 7 of 7 Previous | Next

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

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
 - UBSForeignServer
 - 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

Settings for UBSSystemModule

The foreign server was created successfully.

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: UBSSystemModule 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/ubssystemmodule-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

| Name | Type | JNDI Name | Subdeployment | Targets |
|---|----------------|-----------|------------------|---------------|
| <input type="checkbox"/> UBSForeignServer | Foreign Server | N/A | UBSSubdeployment | obdx_cluster1 |

Showing 1 to 1 of 1 Previous | Next

3.17 Creating OBPMForeignServer JMS Server

1. In JMSModule create OBPMSystemModule

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 JMS system modules
- Configure resources for JMS system modules

System Status

Health of Running Servers as of 4:27 PM

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

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"/> ExtSystemReceiver | JMSSystemResource |
| <input type="checkbox"/> ExtSystemSender | JMSSystemResource |
| <input type="checkbox"/> FileUploadJMS | JMSSystemResource |
| <input type="checkbox"/> jpa-cache | JMSSystemResource |
| <input type="checkbox"/> OBPMSystemModule | JMSSystemResource |
| <input type="checkbox"/> ReportsJMSModule | JMSSystemResource |
| <input type="checkbox"/> UBSSystemModule | JMSSystemResource |

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

The foreign server was created successfully.

Settings for OBPMSystemModule

[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: OBPMSystemModule [More Info...](#)

Scope: Global [More Info...](#)

Descriptor File Name: jms/obpmsystemmodule-jms.xml [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"/> OBPMForeignServer | Foreign Server | N/A | OBPMSubdeployment | obdx_cluster1 |

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4. Deploying Applications

Deployment of Lib and Apps

`${MW_HOME}/wlsrserver/common/deployable-libraries/jax-rs-2.0.war` (Target - obdx_cluster, AdminServer)
`${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/ExtxfceSimulatorMDB.ear` (Target - obdx_cluster)

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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>.

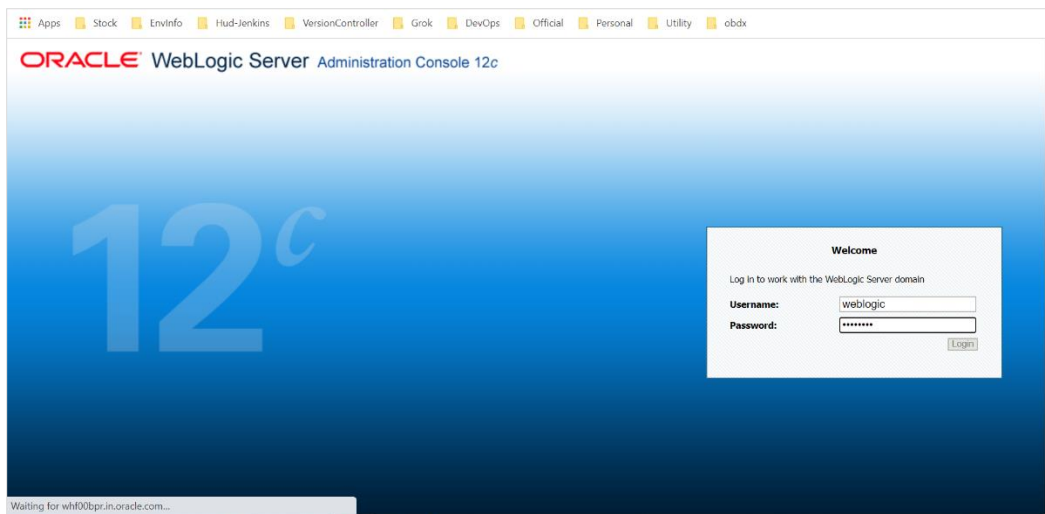

```

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

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6. Configured Providers

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

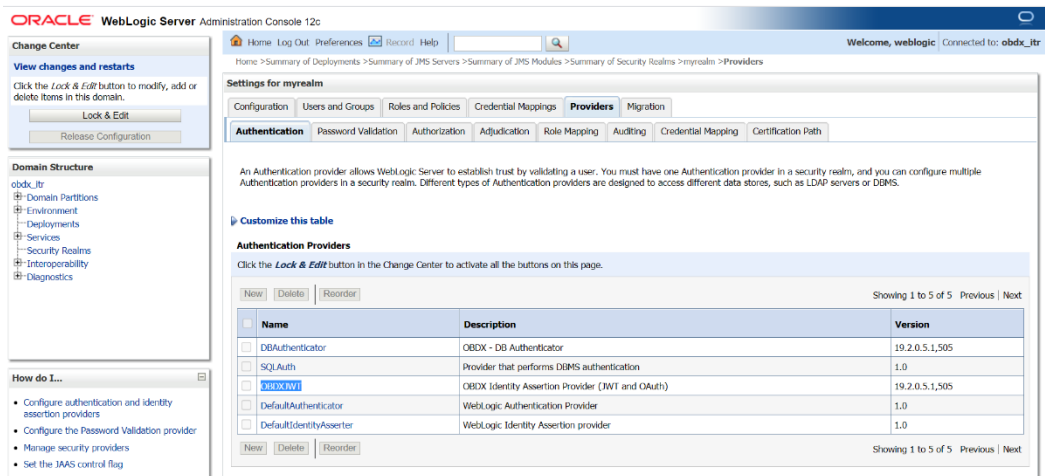


2. Navigate to Security Realms → myrealm → Providers → Create below providers.

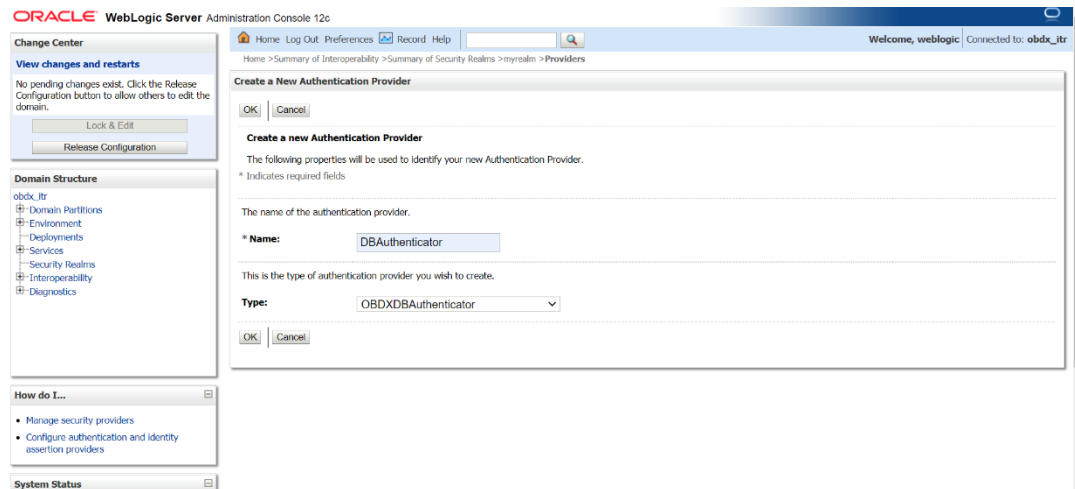
[DBAuthenticator](#)

[SQLAuth](#)

[OBDXJWT](#)



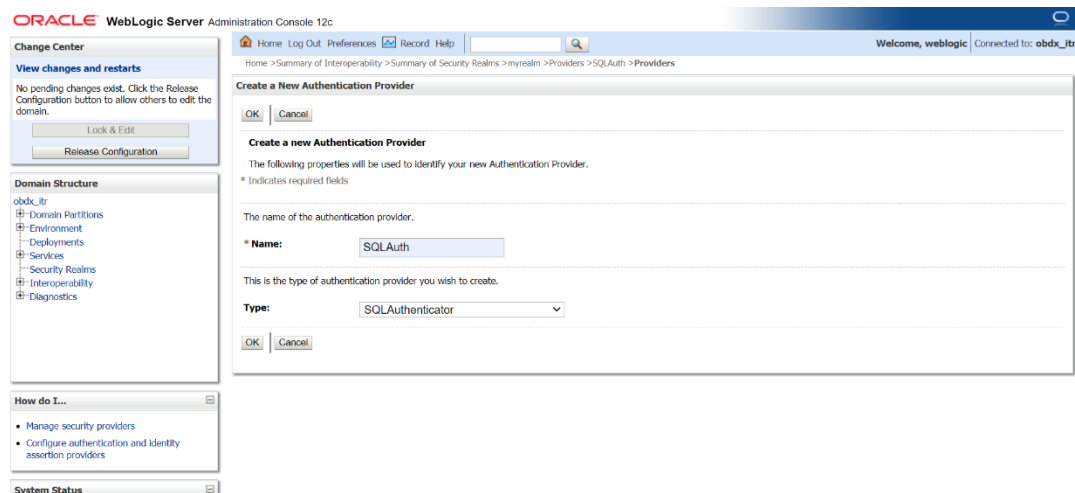
3. Click on New → Provide the field as show below



4. Click on OK.

5. Next create SQLAuth

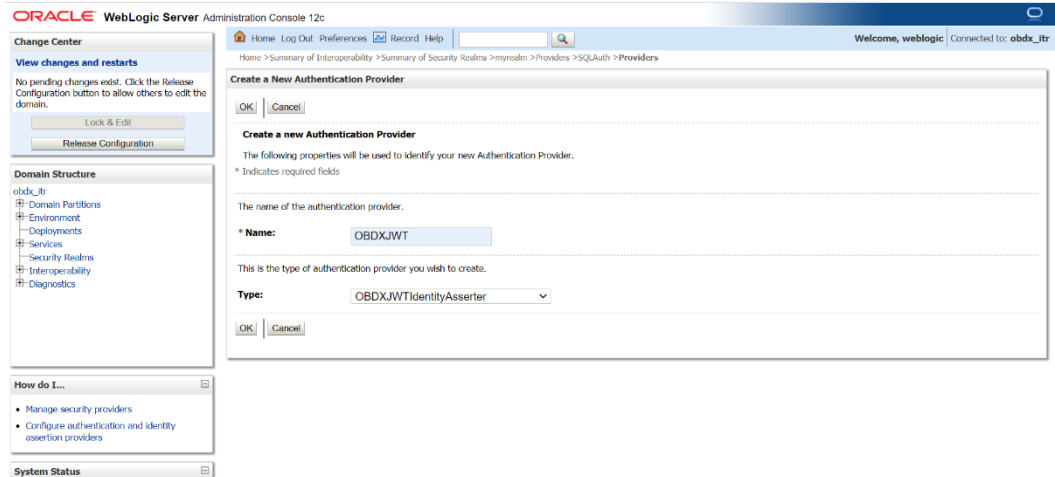
6. Click on New → and Provide the details as show below



7. Then click OK.

8. Create [OBDXJWT](#) Providers.

9. Click on new → provide the details as show in the screen shot.



10. Once all the changes are done do complete domain restart.