

Oracle® Banking APIs

Installation Guide- Non-Linux Platforms



Patchset Release 22.2.5.0.0
G18357-01
October 2024

ORACLE®

Copyright © 2006, 2024, Oracle and/or its affiliates.

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

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

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

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

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

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Purpose	v
Audience	v
Documentation Accessibility	v
Critical Patches	v
Diversity and Inclusion	vi
Conventions	vi
Related Resources	vi
Screenshot Disclaimer	vi
Acronyms and Abbreviations	vi

1 Manual OBAPI Installation

1.1 Policy Seeding	1-1
--------------------	-----

2 WEBLOGIC Setup and Configuration

2.1 Setting Domain JTA Transaction Timeout	2-1
2.2 Creating DIGX Data Source	2-2
2.3 Creating NONXA Data Source	2-5
2.4 Creating BATCH Data Source	2-8
2.5 Creating SYSCONFIG Data Source	2-11
2.6 Creating B1A1 Data Source	2-14
2.7 Create JMS Server and JMS Module	2-17
2.8 Creating WLS_JMS_AUDIT_PS FileStore	2-29
2.9 Creating AuditJMSServer JMS Server	2-29
2.10 Creating WLS_JMS_REPORT_PS FileStore	2-29
2.11 Creating ReportsJMSServer JMS Server	2-39
2.12 Creating jpa-cache JMS Server	2-41
2.13 Creating WLS_JPA_PS FileStore	2-41
2.14 Creating ExtSystemReceiver JMS Server - WLS_JMS_EXTSYSRECEIVER_PS FileStore	2-42
2.15 Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS_JMS_EXTSYSENDER_PS	2-43

2.16	Creating UBSForeignServer JMS Server	2-45
2.17	Creating OBPMForeignServer JMS Server	2-45

3 Deploying Applications

4 Configured jps-config.xml

5 List of Topics

Index

Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Related Resources](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

Purpose

This guide is designed to help acquaint you with the Oracle Banking APIs application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

Audience

This document is intended for the following audience:

- Customers
- Partners

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>.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and](#)

Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

For more information on any related features, refer to the following documents:

- [Oracle Banking APIs Installation Manuals](#)

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1 Acronyms and Abbreviations

Abbreviation	Description
OBAPI	Oracle Banking APIs

1

Manual OBAPI Installation

OBAPI Database Installation with OBPM FLAVOR

Once obapi and ehms schema created in base installer, please proceed to below path for patchset scripts execution -

OBAPI_Installer/installables/OBAPI/<Installation type>/<version>/db/<version>/OBAPI/

Inside above path ddl, dml, and constraints folders are present inside which OBAPI scripts will be present which needs to be executed manually.

If any place holder or variables that needs to be replaced manually before executing.

Similarly for other modules also you can find scripts those are to be executed in below path -

OBAPI_Installer/installables/OBAPI/<Installation type>/<version>/db/<version>/

Inside above path ddl, dml, and constraints folders are present inside which OBAPI scripts will be present which needs to be executed.

- [Policy Seeding](#)

1.1 Policy Seeding

```
TEMP_PATH=Temporary Pathcp ${OBAPI_INSTALLER}/installables/OBAPI/<Installation
type>/<version>/policies/Entitlement_log4j.properties to
TEMP_PATH/db/Entitlement_log4j.propertiescp ${OBAPI_INSTALLER}/
installables/OBAPI/<Installation
type>/<version>/policies /Task_log4j.properties to
TEMP_PATH/db/Task_log4j.propertiescp ${OBAPI_INSTALLER}/installables/
OBAPI/<Installation
type>/<version>/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=OBAPI_${POST_FIX} and SCHEMA_PASS= Password of
OBAPI_${POST_FIX} .# $JAVA_HOME/bin/java -
Djava.util.logging.config.file=
TEMP_PATH/db/Task_log4j.properties -jar ${OBAPI_INSTALLER}/OBAPI/
<Installation
type>/<version>/policies/com.ofss.digx.utils.feed.data.task.jar /
installables/policies/Task.csv
oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
'jdbc:oracle:thin:@OBAPI_DATABASE_HOSTNAME:OBAPI_DATABASE_PORT/
OBAPI_DATABASE_SID'# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
TEMP_PATH/db/Dashboard_seed_log4j.properties -jar ${OBAPI_INSTALLER}/
OBAPI/<Installation
```

```
type>/<version>/policies/com.ofss.digx.utils.dashboard.jar $
{OBAPI
  INSTALLER}}/OBAPI/<Installation type>/<version>/policies/
dashboard_json/
  oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
  'jdbc:oracle:thin:@OBAPI_DATABASE_HOSTNAME:OBAPI_DATABASE_PORT/
OBAPI_DATABASE_SID'# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
  TEMP_PATH/db/Entitlement_log4j.properties -jar ${OBAPI_INSTALLER}}/
OBAPI/<Installation
  type>/<version>/policies/
com.ofss.digx.utils.entitlement.feed.data.jar ${OBAPI_INSTALLER}}/OBAPI/
<Installation
  type>/<version>/policies/Resources.csv ${OBAPI_INSTALLER}}/OBAPI/
<Installation
  type>/<version>/policies/Entitlement.csv ${OBAPI_INSTALLER}}/OBAPI/
<Installation
  type>/<version>/policies/Day0Policy.csv KERNEL
oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
  'jdbc:oracle:thin:@OBAPI_DATABASE_HOSTNAME:OBAPI_DATABASE_PORT/
OBAPI_DATABASE_SID'
```

2

WEBLOGIC Setup and Configuration

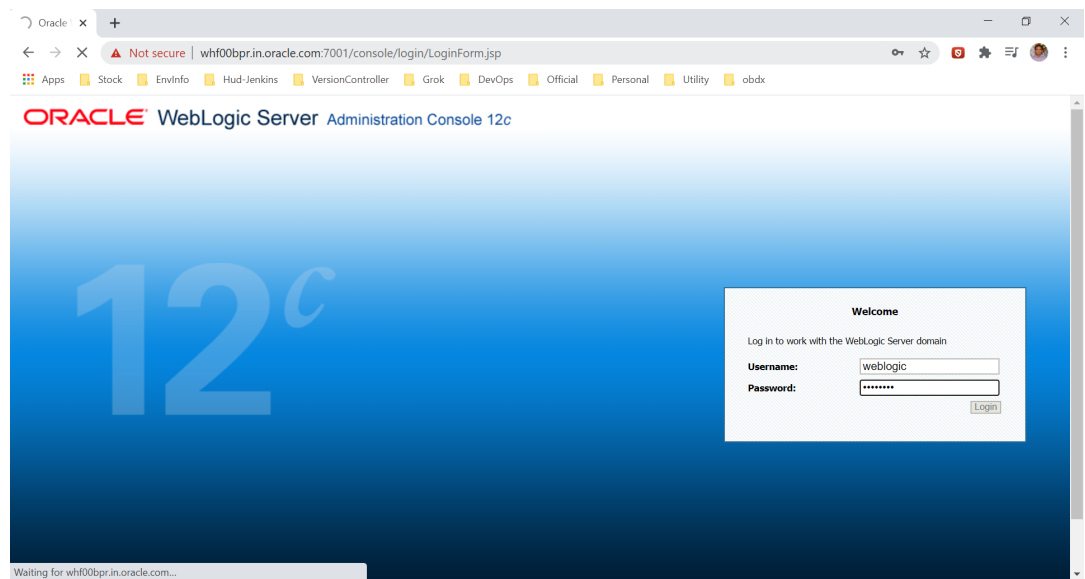
Assuming that rcu , weblogic domain created , managed server, cluster created , node manager configured.

Once OBAPI and EHMS schema created, weblogic domain created, managed server, cluster and node manager configured, proceed with below steps.

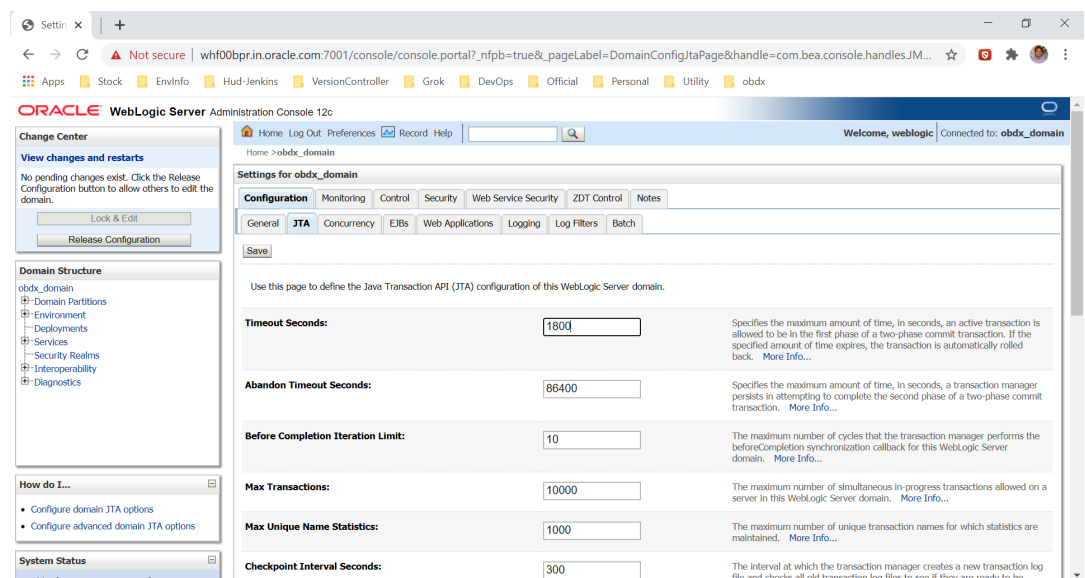
- [Setting Domain JTA Transaction Timeout](#)
- [Creating DIGX Data Source](#)
- [Creating NONXA Data Source](#)
- [Creating BATCH Data Source](#)
- [Creating SYSCONFIG Data Source](#)
- [Creating B1A1 Data Source](#)
- [Create JMS Server and JMS Module](#)
- [Creating WLS_JMS_AUDIT_PS FileStore](#)
- [Creating AuditJMSServer JMS Server](#)
- [Creating WLS_JMS_REPORT_PS FileStore](#)
- [Creating ReportsJMSServer JMS Server](#)
- [Creating jpa-cache JMS Server](#)
- [Creating WLS_JPA_PS FileStore](#)
- [Creating ExtSystemReceiver JMS Server - WLS_JMS_EXTSYSRECEIVER_PS FileStore](#)
- [Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS_JMS_EXTSYSSENDER_PS](#)
- [Creating UBSForeignServer JMS Server](#)
- [Creating OBPMForeignServer JMS Server](#)

2.1 Setting Domain JTA Transaction Timeout

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

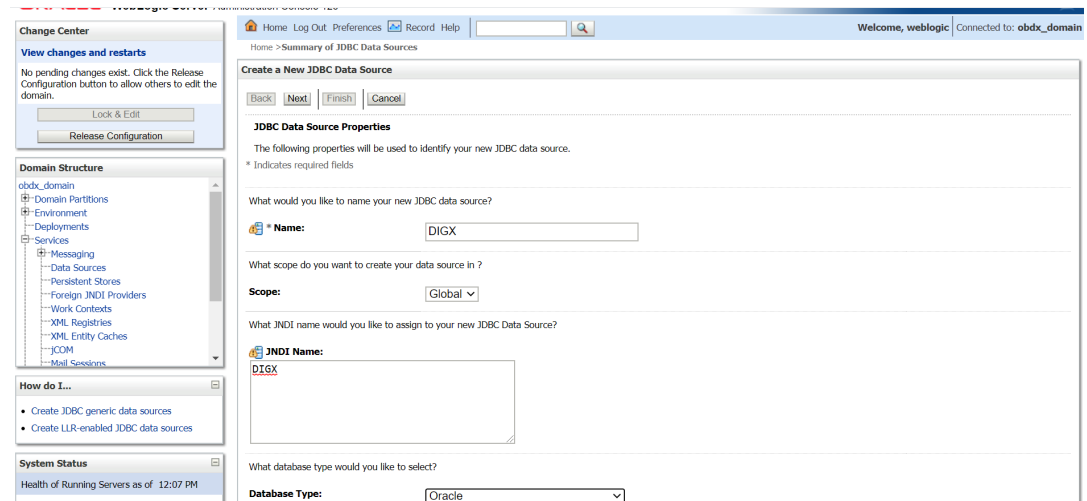


2. Click on DOMAIN_NAME → JTA → set Timeout Seconds to 1800 → click **Save** → Activate changes.



2.2 Creating DIGX Data Source

1. Navigate to Data Source → click **New** → Provide details and click **Finish**.



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

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

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

System Status
Health of Running Servers as of 12:07 PM

Create a New JDBC Data Source
Back Next Finish Cancel
Home > Summary of JDBC Data Sources

JDBC Data Source Properties
The following properties will be used to identify your new JDBC data source.
* Indicates required fields

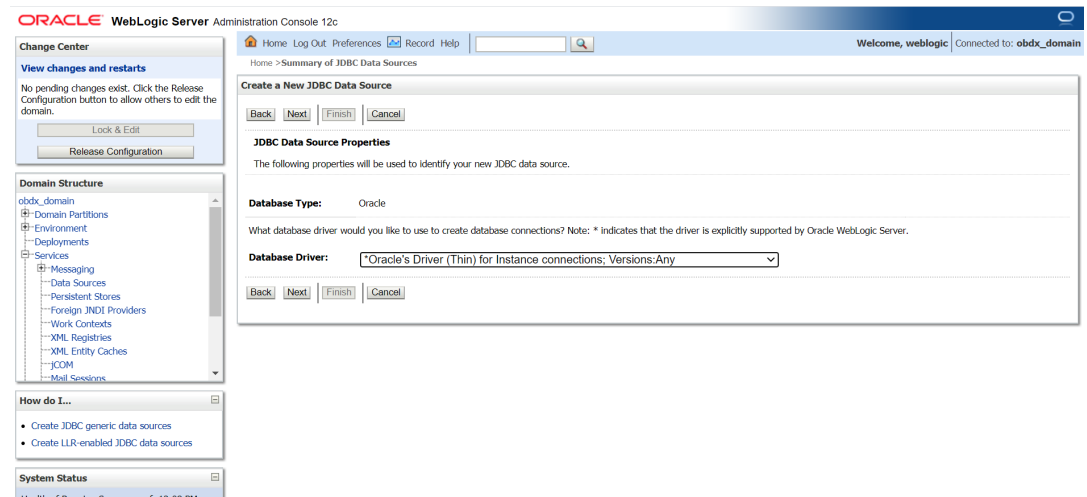
What would you like to name your new JDBC data source?
Name: DIGX

What scope do you want to create your data source in?
Scope: Global

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

What database type would you like to select?
Database Type: Oracle

2. Name: DIGX
JNDI Name: DIGX



ORACLE WebLogic Server Administration Console 12c
Home Log Out Preferences Record Help
Welcome, weblogic Connected to: obdx_domain

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

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

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

System Status
Health of Running Servers as of 12:07 PM

Create a New JDBC Data Source
Back Next Finish Cancel
Home > Summary of JDBC Data Sources

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

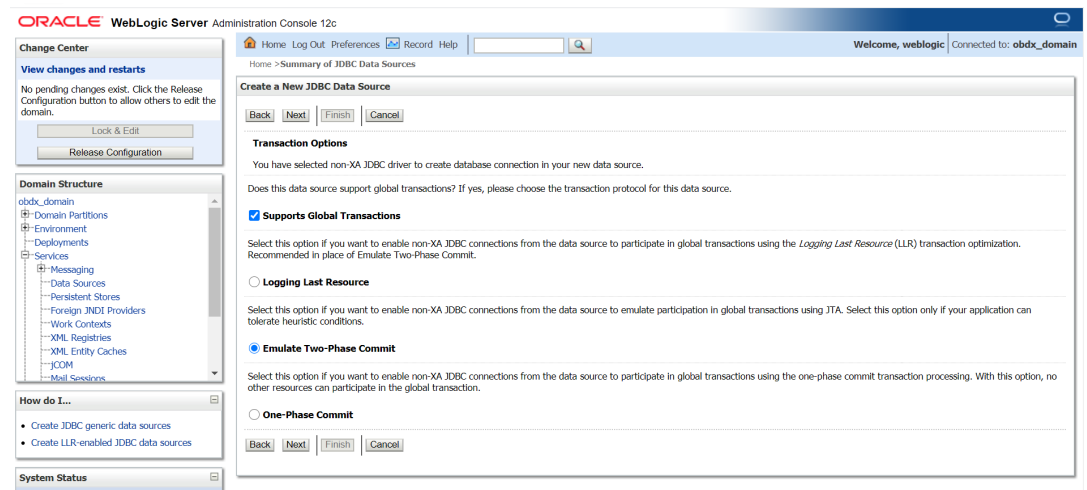
Database Type: Oracle

What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions: Any

Back Next Finish Cancel

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



ORACLE WebLogic Server Administration Console 12c
Home Log Out Preferences Record Help
Welcome, weblogic Connected to: obdx_domain

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

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

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

System Status
Health of Running Servers as of 12:07 PM

Create a New JDBC Data Source
Back Next Finish Cancel
Home > Summary of JDBC Data Sources

Transaction Options
You have selected non-XA JDBC driver to create database connection in your new data source.
Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.

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

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

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

☐ **One-Phase Commit**

Back Next Finish Cancel

4. Select Emulate Two-Phase Commit.

Configuration button to allow others to edit the domain.

Lock & Edit
Release Configuration

Domain Structure

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

How do I...

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

System Status

Health of Running Servers as of 12:12 PM

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

Connection Properties

Define Connection Properties.

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

Database Name: obdx

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

Host Name: whf00bop.in.oracle.com

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

Port: 1521

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

Database User Name: OBDX_OBDX201QTR2

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

Password: *****

Confirm Password: *****

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

- Provide
 - Database Name:** Database SID
 - Host Name:** Database hostname
 - Port:** Database port Number
 - Database user Name:** OBAPI_`\${POST\_FIX}`

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Messages

Connection test succeeded.

Create a New JDBC Data Source

Test Configuration Back Next Finish Cancel

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?

(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.OracleDriver

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

URL: jdbc:oracle:thin:@whf00bop.in.oracle.com:1521:obdx

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

Database User Name: OBDX_OBDX201QTR2

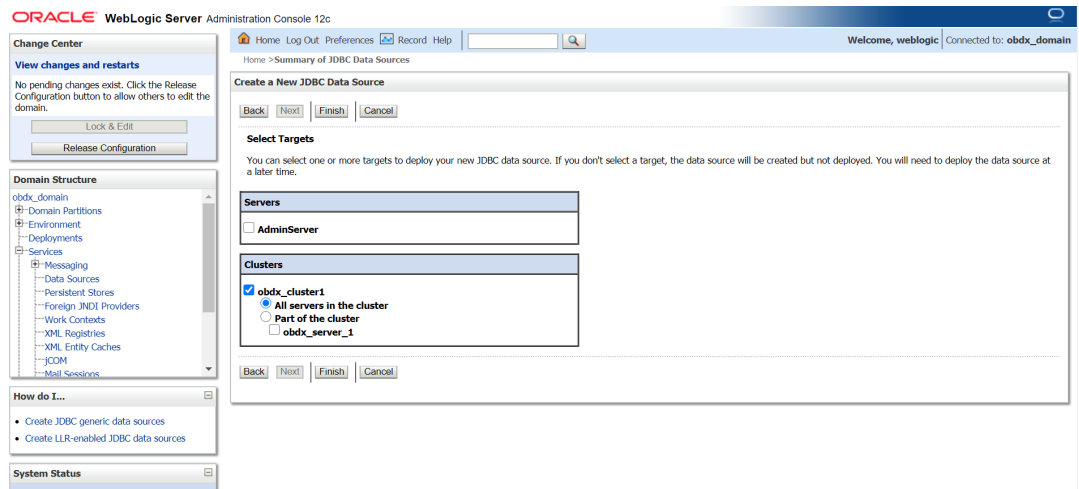
What is the database account password to use to create database connections?

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

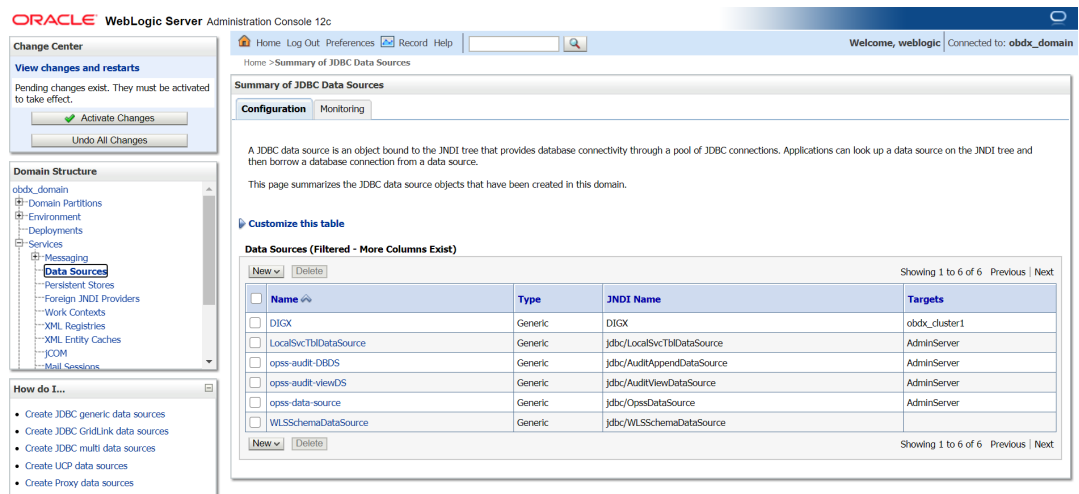
System Status

Health of Running Servers as of 12:15 PM

6. Test Configuration.



7. Target to cluster.



2.3 Creating NONXA Data Source

1. Navigate to Data Source → click **New** → Provide details and click **Finish**.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

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

* Indicates required fields

What would you like to name your new JDBC data source?

Name: NONXA

What scope do you want to create your data source in?

Scope: Global

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

JNDI Name: NONXA

What database type would you like to select?

2. Name : NONXA JNDI Name : NONXA

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

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

Database Type: Oracle

What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions: Any

Back Next Finish Cancel

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

Transaction Options

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

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

☐ Supports Global Transactions

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

☒ Logging Last Resource

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

☐ Emulate Two-Phase Commit

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

☐ One-Phase Commit

Back Next Finish Cancel

3. Click Next.

to take effect.

Activate Changes
Undo All Changes

Domain Structure

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

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

System Status
 Health of Running Servers as of 12:20 PM

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

Back Next Finish Cancel

Connection Properties
 Define Connection Properties.

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

Database Name: obdx

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

Host Name: whf00bop.in.oracle.com

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

Port: 1521

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

Database User Name: OBDX_OBDX201QTR2

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

Password: *****

Confirm Password: *****

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

4. Provide

Database Name: Database SID

Host Name: Database hostname

Port: Database port Number

Database user Name: OBAPI_\${POST_FIX}

Password: Database user password

to take effect.

Activate Changes
Undo All Changes

Domain Structure

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

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

System Status
 Health of Running Servers as of 12:24 PM

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

Test Configuration Back Next Finish Cancel

Create a New JDBC Data Source

Test Database Connection
 Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?
 (Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.OracleDriver

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

URL: jdbc:oracle:thin:@whf00bop.in.oracle.com:1521:obdx

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

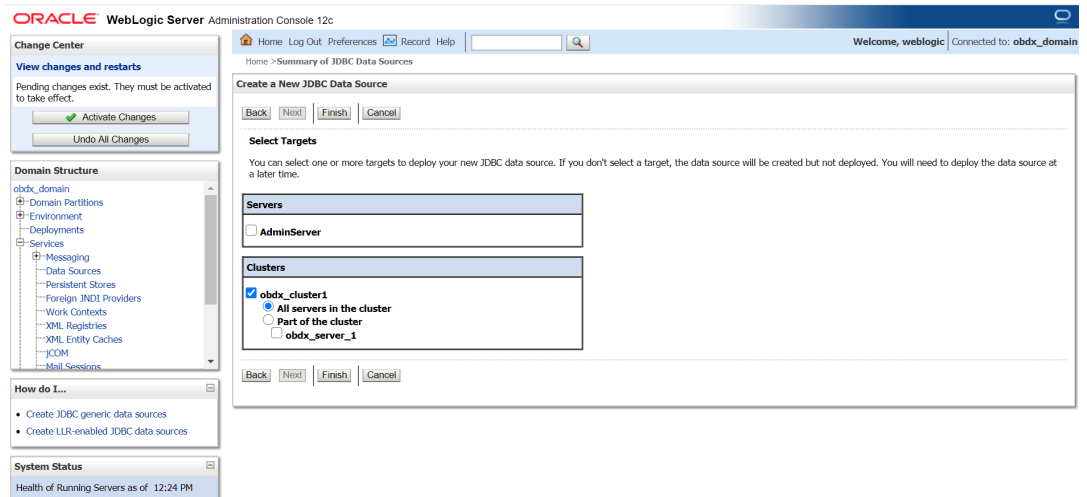
Database User Name: OBDX_OBDX201QTR2

What is the database account password to use to create database connections?
 (Note: for secure password management, enter the password in the Password field instead of the Properties field below)

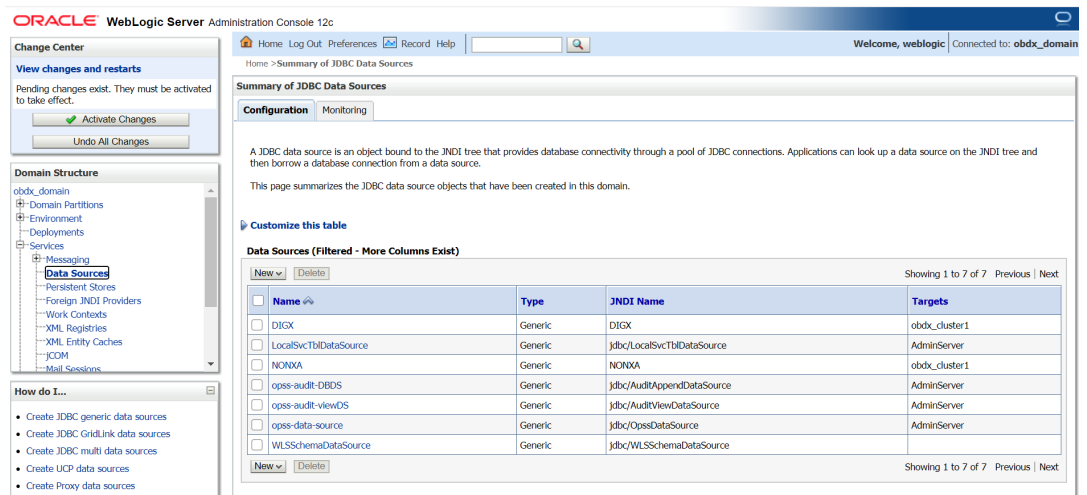
Password: *****

Confirm Password: *****

5. Test Configuration.

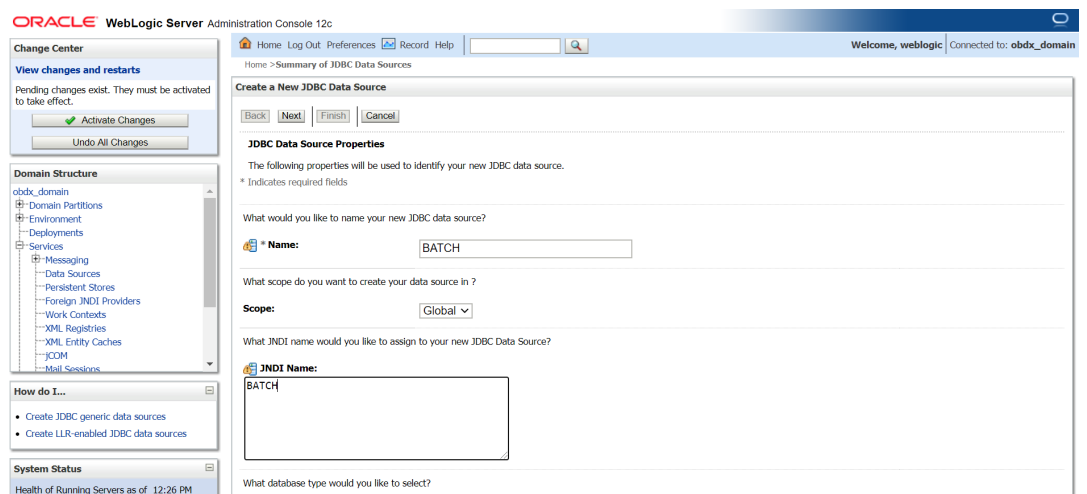


6. Select target as cluster → **Finish**.



2.4 Creating BATCH Data Source

1.



2. **Name : BATCH**
JNDI Name : BATCH

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

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

Database Type: Oracle

What database driver would you like to use to create database connections? Note: * Indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions: Any

Back Next Finish Cancel

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

Transaction Options

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

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

☐ **Supports Global Transactions**

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

☐ **Logging Last Resource**

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

☐ **Emulate Two-Phase Commit**

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

☒ **One-Phase Commit**

Back Next Finish Cancel

3. Click **Next**.

to take effect.

Activate Changes
Undo All Changes

Domain Structure

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

How do I...

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

System Status

Health of Running Servers as of 12:30 PM

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

Back Next Finish Cancel

Connection Properties

Define Connection Properties.

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

Database Name: obdx

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

Host Name: whf00bop.in.oracle.com

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

Port: 1521

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

Database User Name: OBDX_OBDX201QTR2

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

Password: *****

Confirm Password: *****

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

- Provide
 - Database Name:** Database SID
 - Host Name:** Database hostname
 - Port:** Database port Number
 - Database user Name:** OBDX_\${POST_FIX}
 - Password:** Database user password

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Change Center

View changes and restarts

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
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions

How do I...

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

System Status

Health of Running Servers as of 12:31 PM

Test Configuration Back Next Finish Cancel

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?
(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.OracleDriver

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

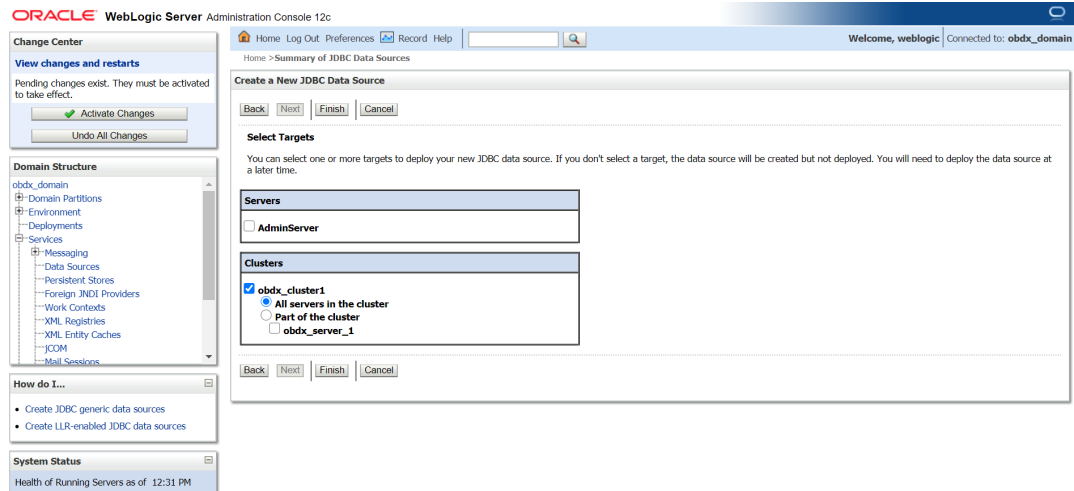
URL: jdbc:oracle:thin:@whf00bop.in.oracle.com:1521:obdx

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

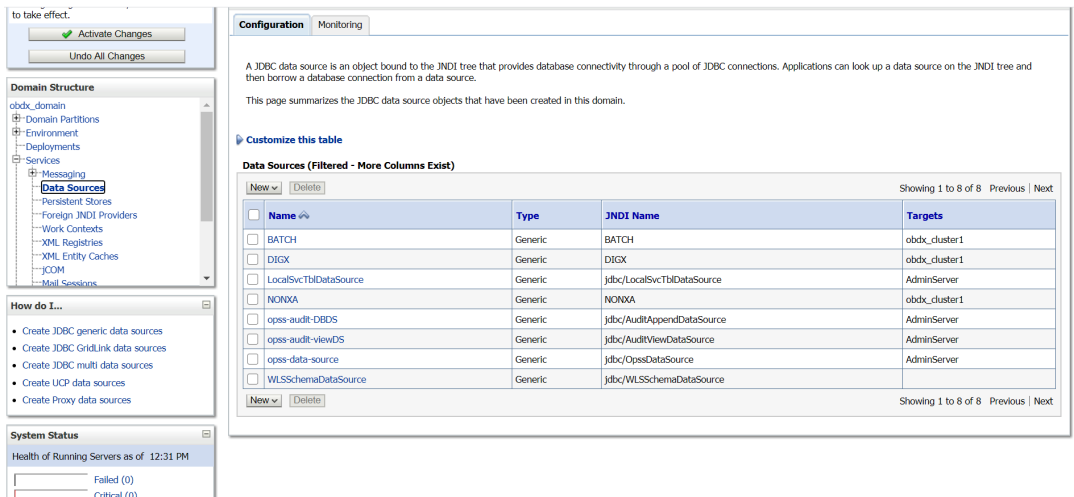
Database User Name: OBDX_OBDX201QTR2

What is the database account password to use to create database connections?
(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

- Test Configuration.

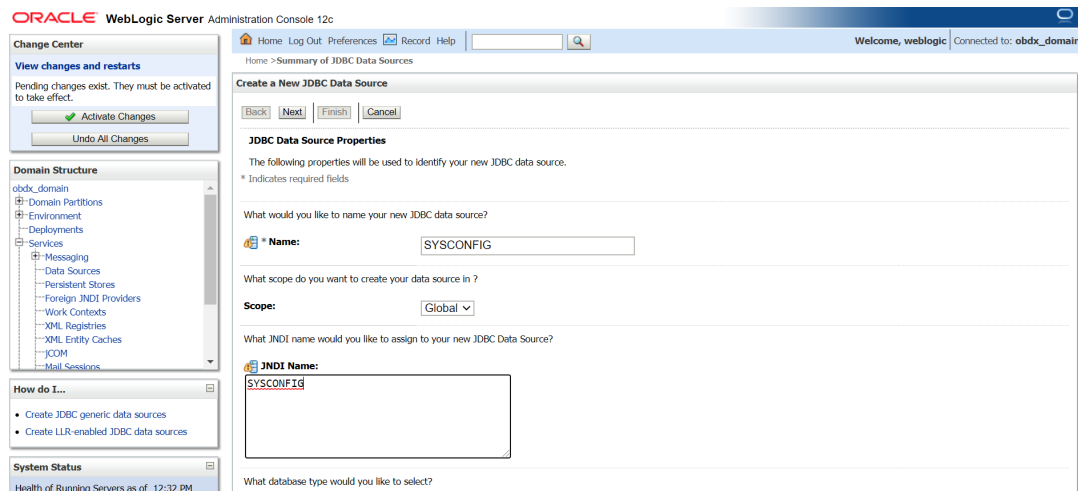


6. Target Cluster and click **Finish**.



2.5 Creating SYSCONFIG Data Source

1.



2. Name : SYSCONFIG JNDI Name : SYSCONFIG

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

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

Database Type: Oracle

What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions: Any

Back Next Finish Cancel

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

Transaction Options

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

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

☐ Supports Global Transactions

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

☐ Logging Last Resource

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

☐ Emulate Two-Phase Commit

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

☒ One-Phase Commit

Back Next Finish Cancel

3. Click Next.

View changes and restarts
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
│ └─ Data Sources
│ └─ Persistent Stores
│ └─ Foreign JNDI Providers
│ └─ Work Contexts
│ └─ XML Registries
│ └─ XML Entity Caches
└─ JCOM
 └─ Mail Sessions

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

System Status
Health of Running Servers as of 12:35 PM
Failed (0)
Critical (0)

Create a New JDBC Data Source
[Back] [Next] [Finish] [Cancel]

Connection Properties
Define Connection Properties.
What is the name of the database you would like to connect to?
Database Name: obdx
What is the name or IP address of the database server?
Host Name: whf00bop.in.oracle.com
What is the port on the database server used to connect to the database?
Port: 1521
What database account user name do you want to use to create database connections?
Database User Name: OBDX_OBDX201QTR2
What is the database account password to use to create database connections?
Password: *****
Confirm Password: *****

4. **Provide**
Database Name: Database SID
Host Name: Database hostname
Port: Database port Number
Database user Name: OBDX_\${POST_FIX}
Password: Database user password

ORACLE WebLogic Server Administration Console 12c
Home Log Out Preferences Record Help [Search]
Welcome, weblogic Connected to: obdx_domain

Change Center
View changes and restarts
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
│ └─ Data Sources
│ └─ Persistent Stores
│ └─ Foreign JNDI Providers
│ └─ Work Contexts
│ └─ XML Registries
│ └─ XML Entity Caches
└─ JCOM
 └─ Mail Sessions

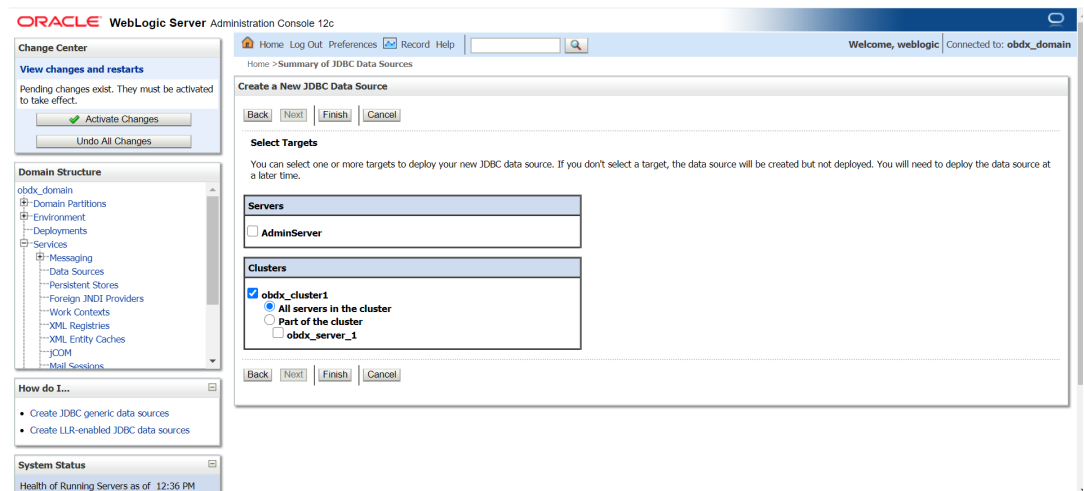
How do I...
• Create JDBC generic data sources
• Create LLR-enabled JDBC data sources

System Status
Health of Running Servers as of 12:36 PM
Failed (0)
Critical (0)

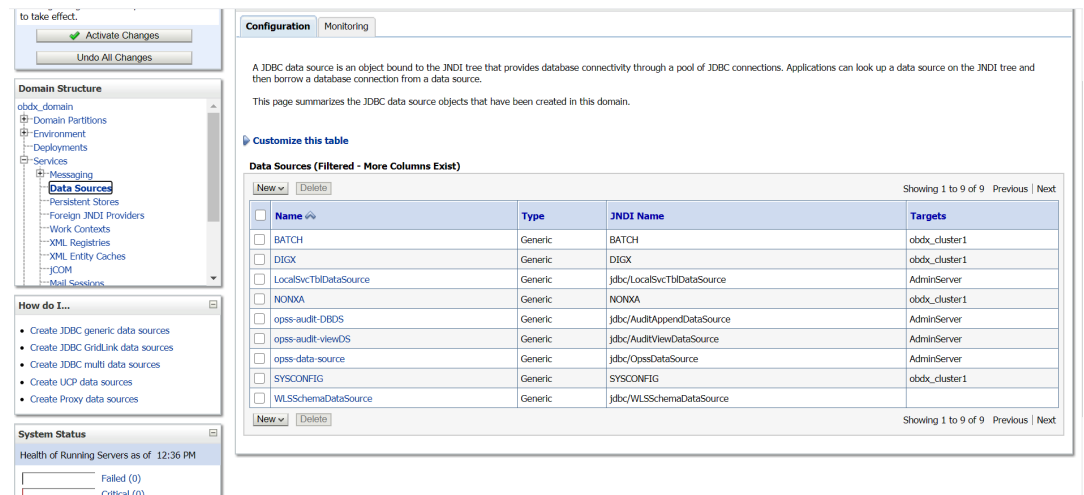
Create a New JDBC Data Source
[Test Configuration] [Back] [Next] [Finish] [Cancel]

Test Database Connection
Test the database availability and the connection properties you provided.
What is the full package name of JDBC driver class used to create database connections in the connection pool?
(Note that this driver class must be in the classpath of any server to which it is deployed.)
Driver Class Name: oracle.jdbc.OracleDriver
What is the URL of the database to connect to? The format of the URL varies by JDBC driver.
URL: jdbc:oracle:thin:@whf00bop.in.oracle.com:1521:obdx
What database account user name do you want to use to create database connections?
Database User Name: OBDX_OBDX201QTR2
What is the database account password to use to create database connections?
(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

5. **Test Configuration.**

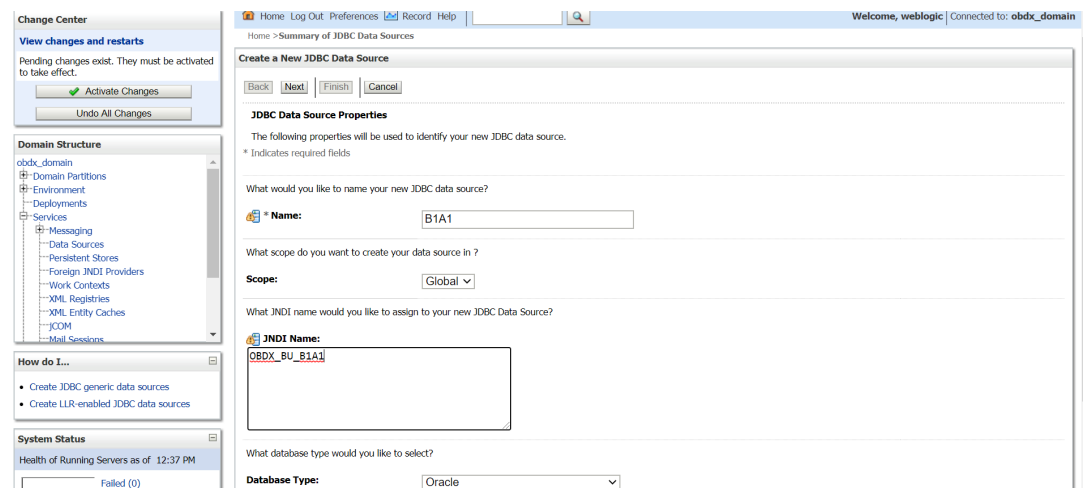


6. Select target as cluster and click **Finish**.



2.6 Creating B1A1 Data Source

1.



2. **Name:** B1A1
JNDI Name : OBDX_BU_B1A1

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

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

Database Type: Oracle

What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver: *Oracle's Driver (Thin XA) for Service connections; Versions:Any

Back Next Finish Cancel

Change Center

View changes and restarts

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
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions

How do I...

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

System Status

Health of Running Servers as of 12:50 PM

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

Transaction Options

You have selected an XA JDBC driver to use to create database connection in your new data source. The data source will support global transactions and use the 'Two-Phase Commit' global transaction protocol. No other transaction configuration options are available.

Back Next Finish Cancel

Change Center

View changes and restarts

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
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions

How do I...

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

System Status

Health of Running Servers as of 12:45 PM

3. Click **Next**.

to take effect.

Activate Changes
Undo All Changes

Domain Structure

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

How do I...

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

System Status

Health of Running Servers as of 12:46 PM

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

Back Next Finish Cancel

Connection Properties

Define Connection Properties.

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

Database Name: ora19c.in.oracle.com

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

Host Name: whf00jml.in.oracle.com

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

Port: 1522

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

Database User Name: B1A1_201DEVQTR2

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

Password: *****

Confirm Password: *****

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

4. 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

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources

Change Center

View changes and restarts

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
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions

How do I...

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

System Status

Health of Running Servers as of 12:50 PM

Test Configuration Back Next Finish Cancel

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?
(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.xa.client.OracleXADataSource

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

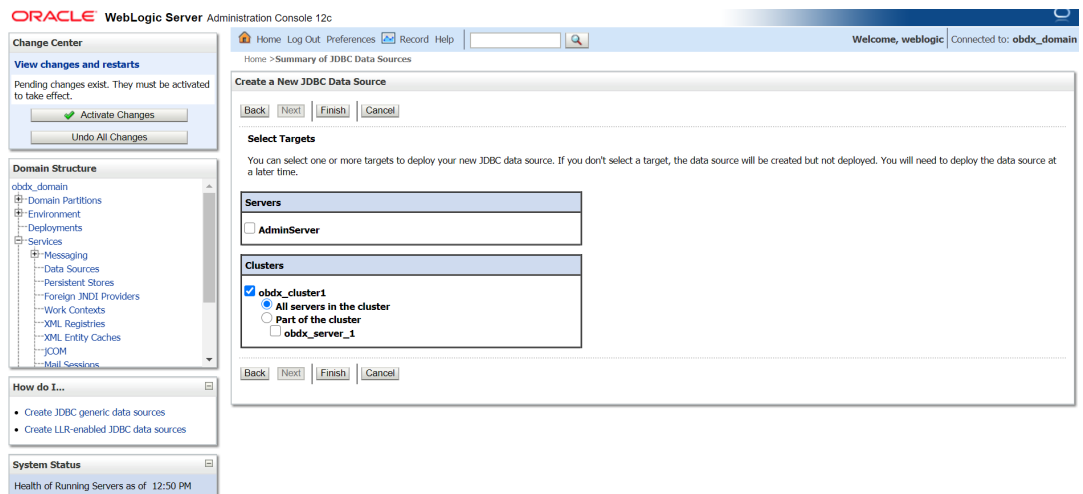
URL: jdbc:oracle:thin:@/whf00jml.in.oracle.com:1522/ora19c.in.ore

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

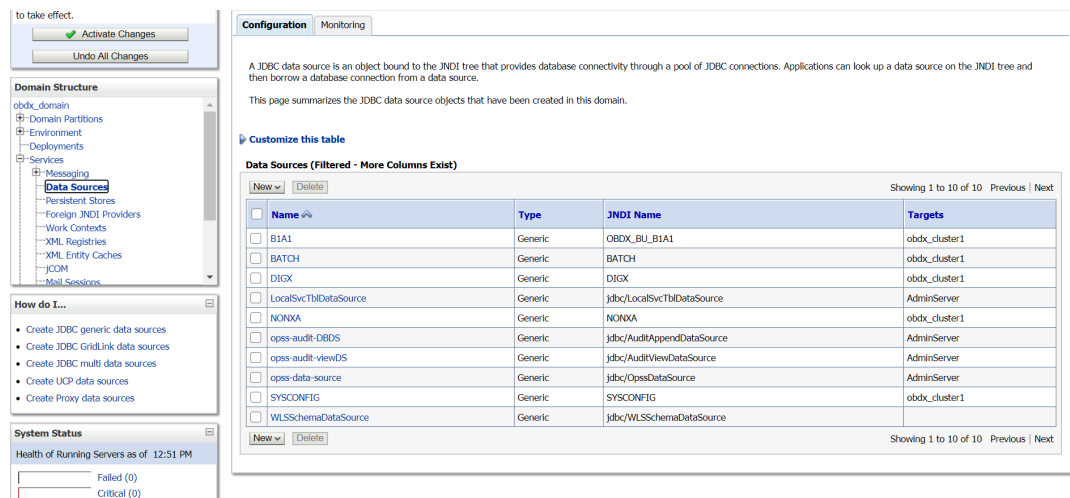
Database User Name: B1A1_201DEVQTR2

What is the database account password to use to create database connections?
(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

5. Test Configuration.

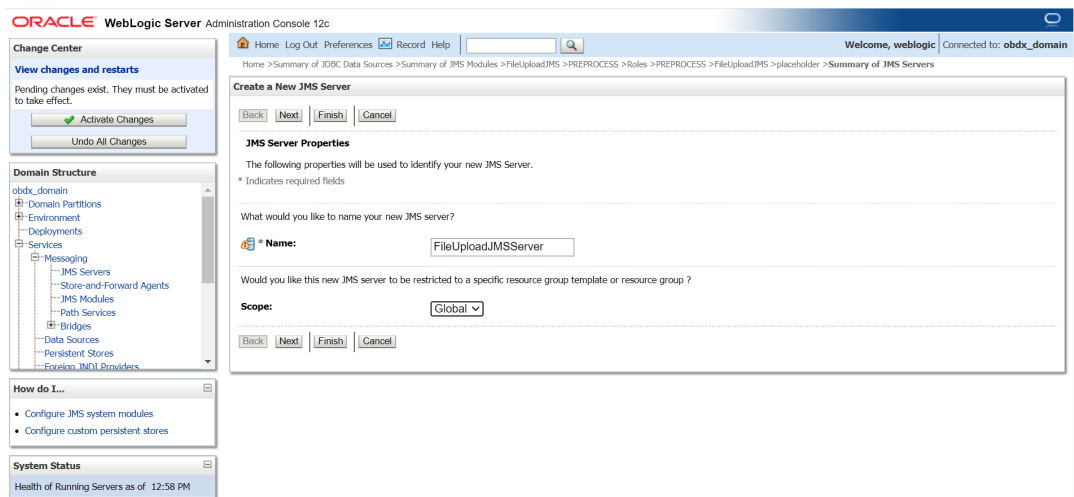
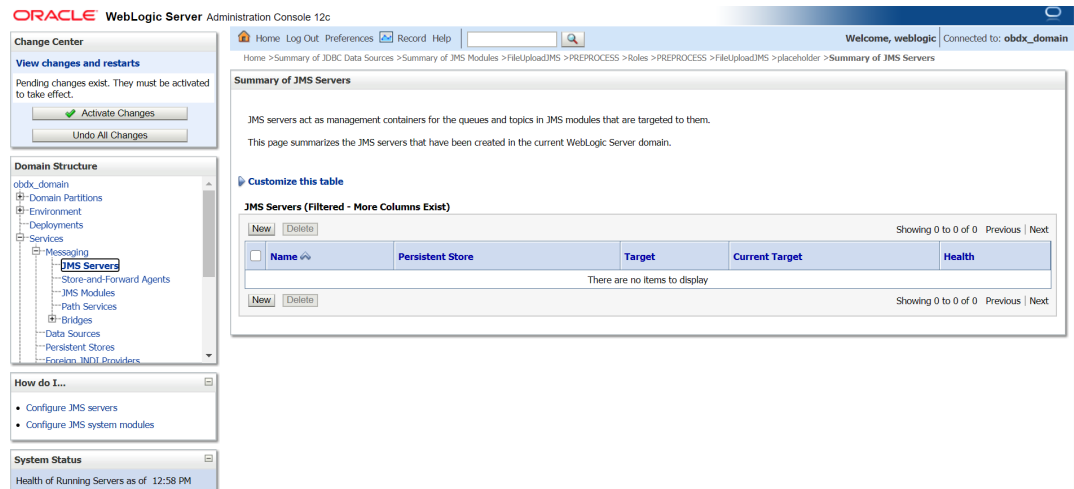


6. Set target as cluster and click **Finish**.

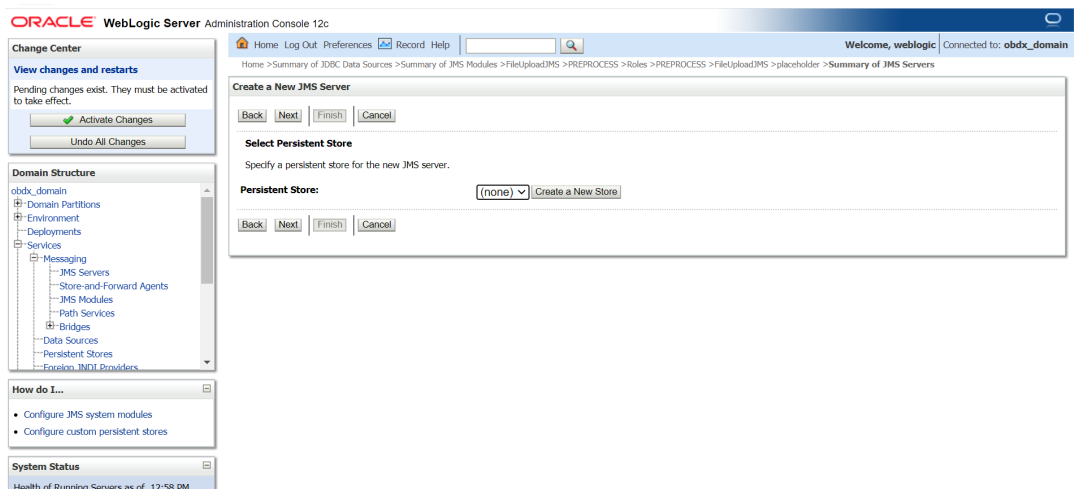


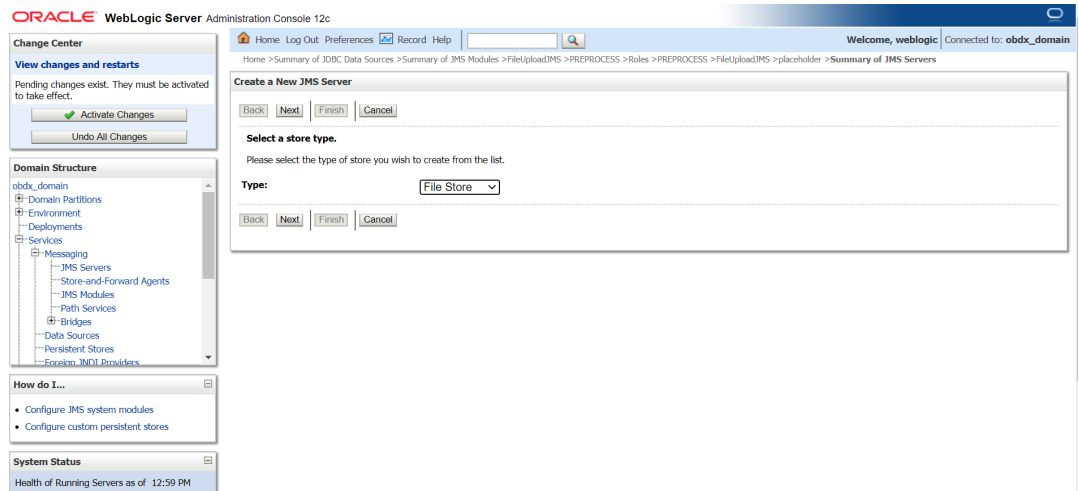
2.7 Create JMS Server and JMS Module

- Creating FileUploadJMS JSM Module
 - Creating WLS_JMS_FILEUPLOAD_PS FileStore
 - Creating FileUploadJMSServer JMS Server
- 1.

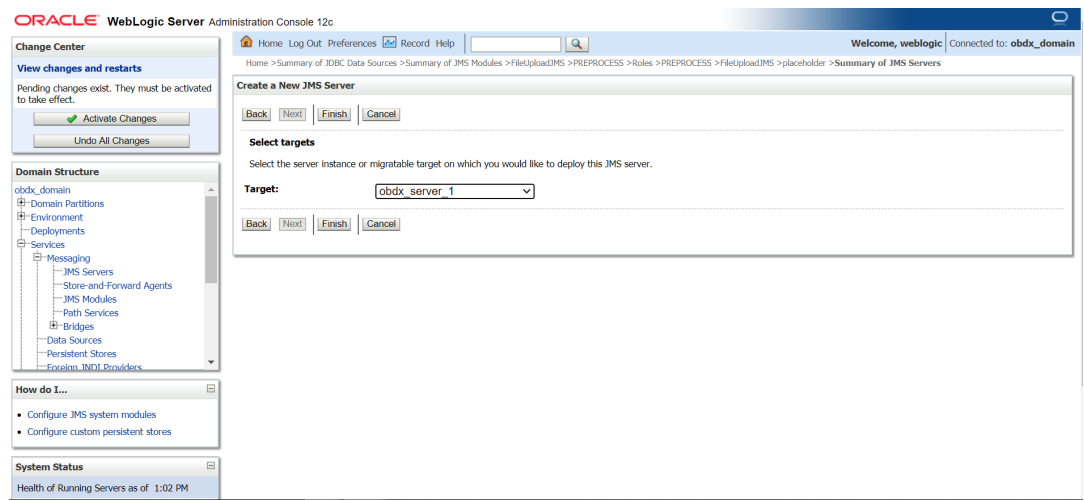


2. Click on JMS Servers → Name – FileUploadJMSServer → Click **Next**.

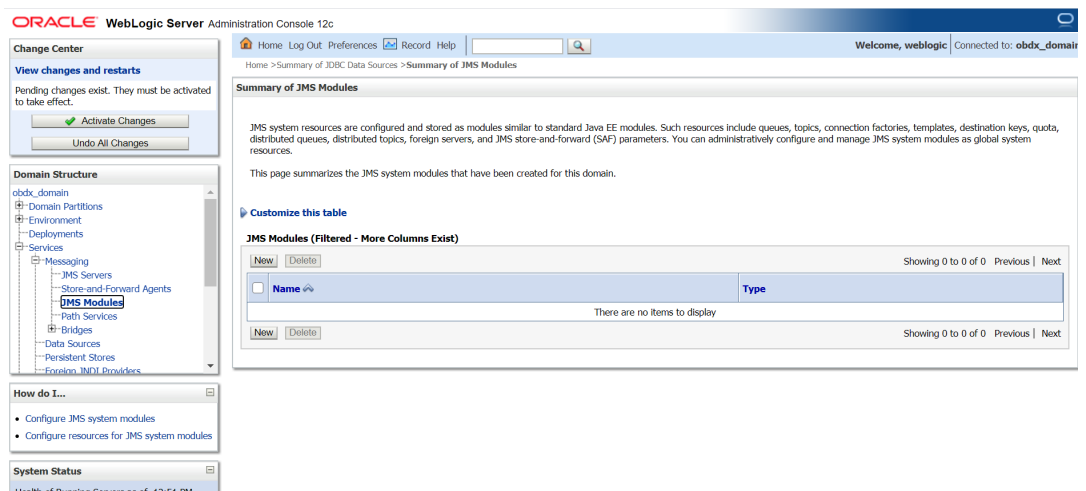




3. Select Type as File Store and click Next.



4. Select target as managed server and click Finish.



5. Left hand side click on JMS Module → click New.

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 JMS servers

System Status

Health of Running Servers as of 12:52 PM

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (1)

Back Next Finish Cancel

The following properties will be used to identify your new module.

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.

* Indicates required fields

What would you like to name your System Module?

* Name: FileUploadJMS

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

Scope: Global

What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.

Descriptor File Name: jms/fileuploadjms-jms.xml

Where would you like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?

Location In Domain:

Back Next Finish Cancel

- Name :** FileUploadJMS
Scope: Global
Descriptor File Name: jms/fileuploadjms-jms.xml
- Click **Next**.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

Home > Summary of JDBC Data Sources > Summary of JMS Modules

Create JMS System Module

Back Next Finish Cancel

The following properties will be used to target your new JMS system module.

Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.

Targets :

Servers

☐ AdminServer

Clusters

☒ obdx_cluster1

☒ All servers in the cluster

☐ Part of the cluster

☐ obdx_server_1

Back Next Finish Cancel

Change Center

View changes and restarts

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

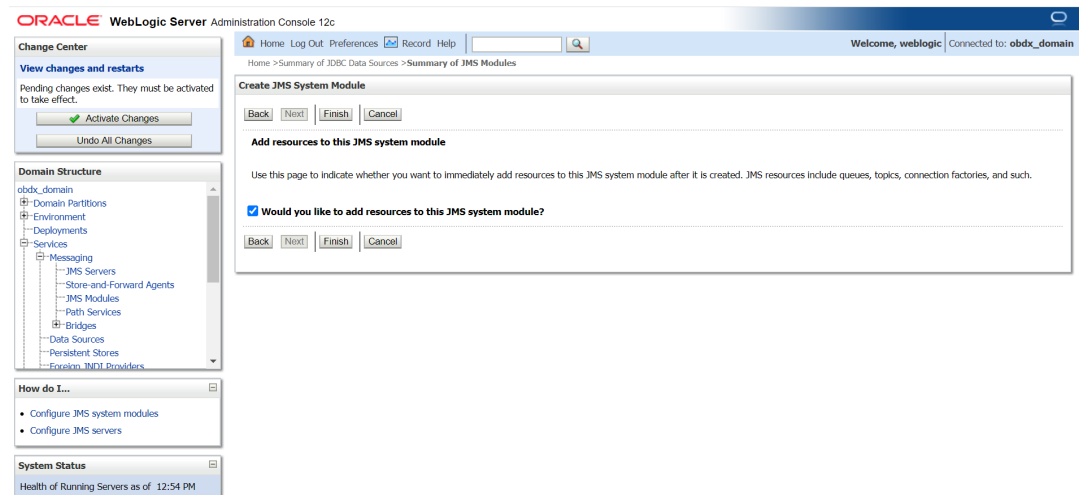
How do I...

- Configure JMS system modules
- Configure JMS servers

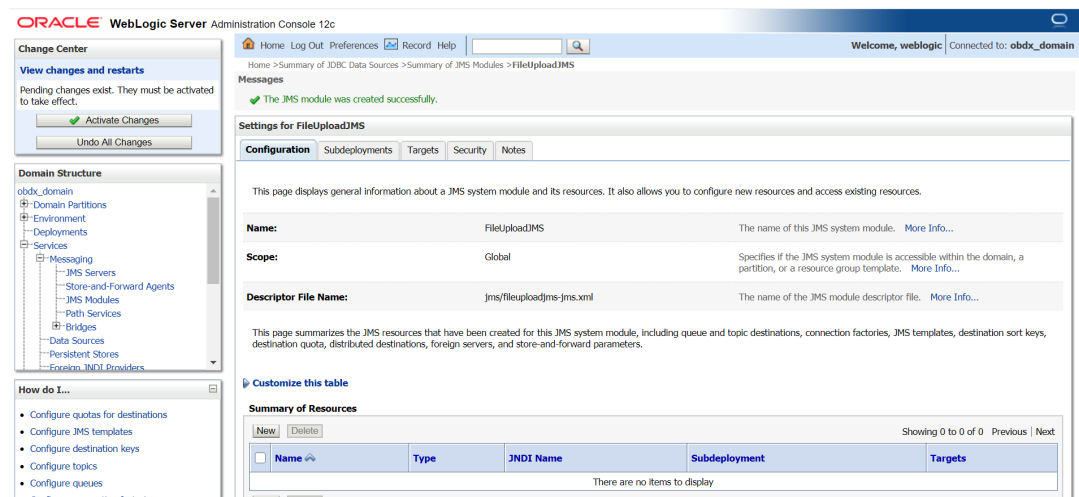
System Status

Health of Running Servers as of 12:53 PM

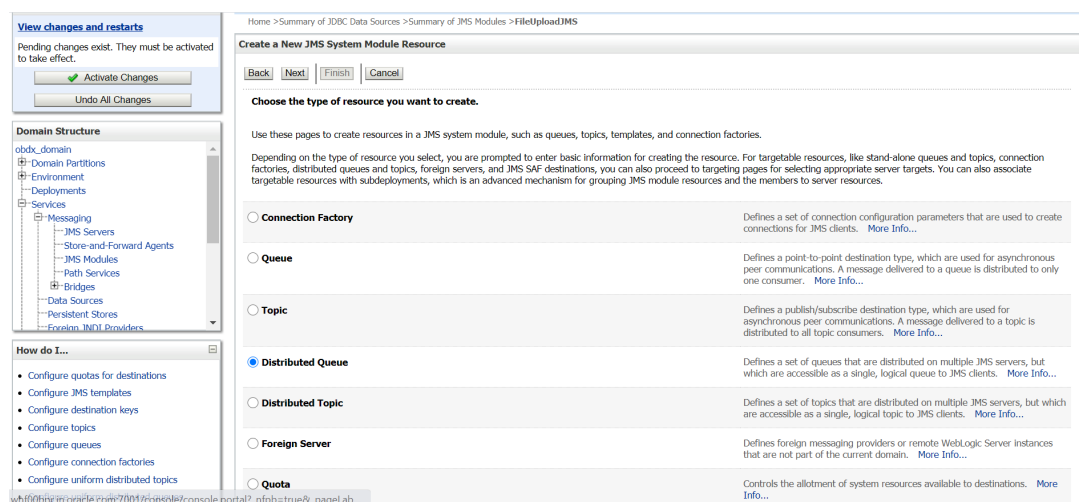
- Set target as cluster → click **Next**.



9. Select **Would you like to add resources to this JMS system module** and click **Finish**.



10. Select **New**.



11. Select **Distributed Queue** and click **Next**.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of JDBC Data Sources > Summary of JMS Modules > FileUploadJMS

Welcome, weblogic Connected to: obdx_domain

Create a New JMS System Module Resource

Back Next Finish Cancel

JMS Distributed Destination Properties

The following properties will be used to identify your new Distributed Queue. The current module is FileUploadJMS

* Indicates required fields

What would you like to name your new destination?

* Name: PREPROCESS

What JNDI Name would you like to use to look up your new destination?

JNDI Name: PREPROCESS

Queue members may be either created uniformly from a common configuration, or created and weighted individually to fine tune performance. How would you like to create queue members?

Destination Type: Uniform

Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?

Template: None

Back Next Finish Cancel

12. Provide
Name: PREPROCESS

JNDI Name: PREPROCESS

Destination Type: Uniform

Template: None

ORACLE WebLogic Server Administration Console 12c

Home > Summary of JDBC Data Sources > Summary of JMS Modules > FileUploadJMS > PREPROCESS > Roles > PREPROCESS > FileUploadJMS > placeholder > Summary of JMS Servers

Welcome, weblogic Connected to: obdx_domain

Create a New JMS Server

Back Next Finish Cancel

File Store Properties

The following properties will be used to identify your new file store.

* Indicates required fields

What would you like to name your new file store?

* Name: WLS_JMS_FILEUPLOAD_

What scope do you want to create your jms file store in ?

Scope: Global

The pathname to the directory on the file system where the file store is kept. This directory must exist on your system, so be sure to create it before completing this tab.

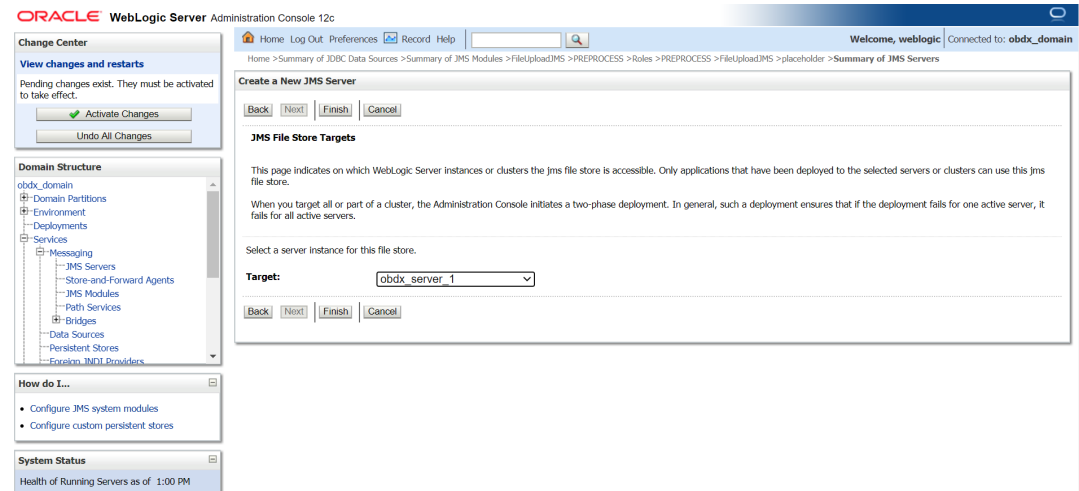
Directory: /tmp/WLS_JMS_FILEUPLOAD_PS

Back Next Finish Cancel

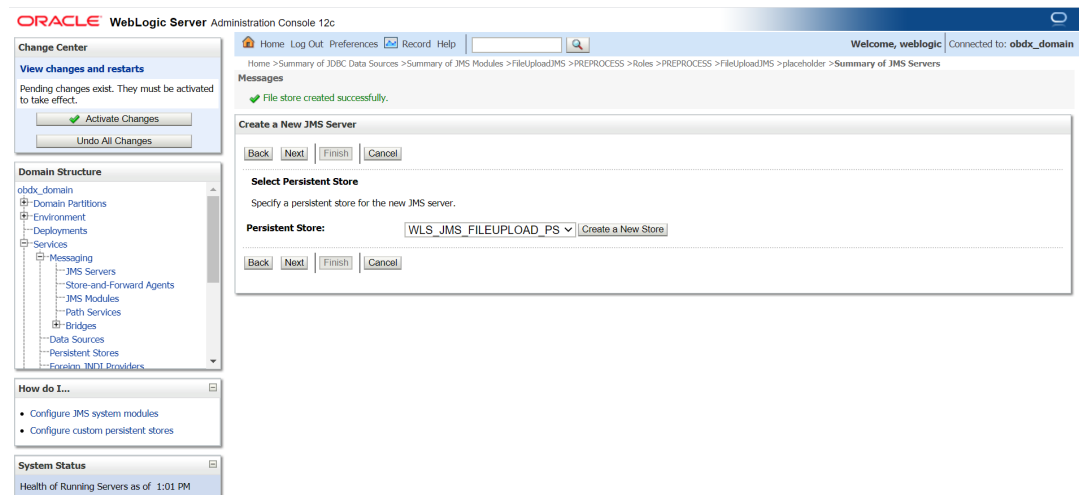
13. **Name :** WLS_JMS_FILEUPLOAD_PS

Scope : Global

Directory : /tmp/WLS_JMS_FILEUPLOAD_PS

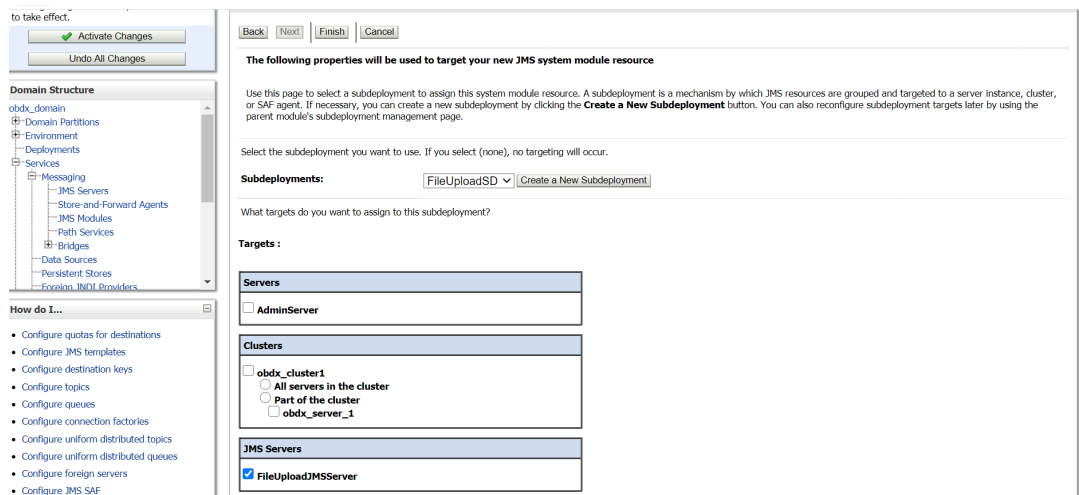


14. Select target as managed server.

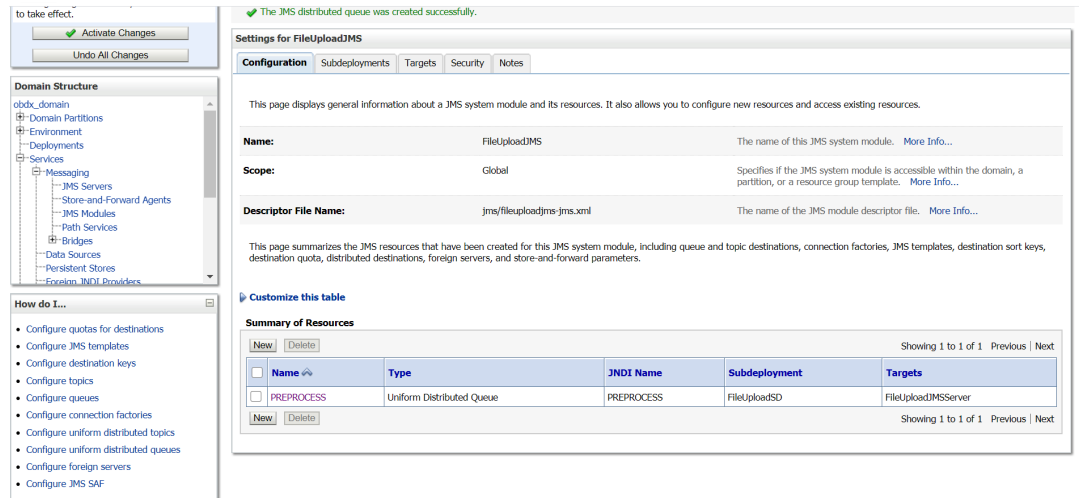


15. Select WLS_JMS_FILEUPLOAD_PS and click Next.

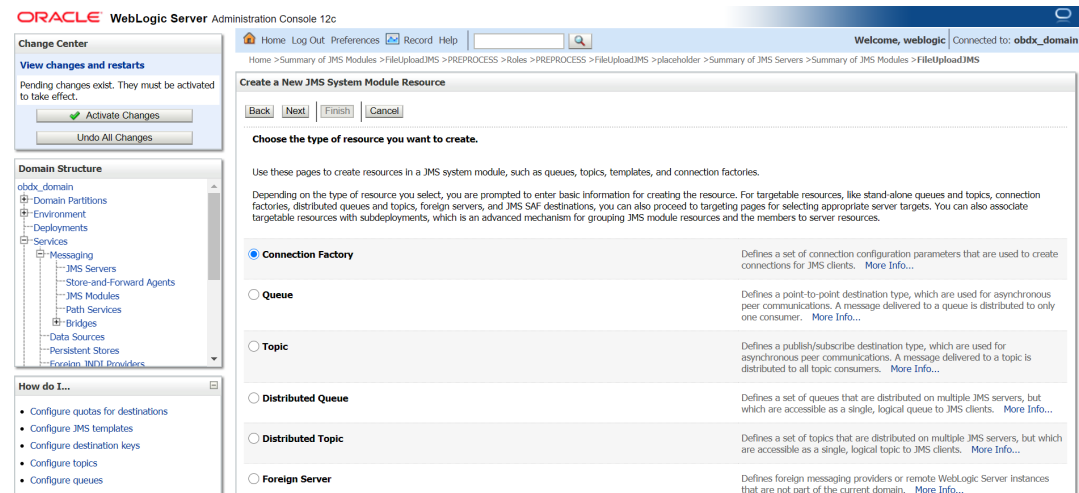
16. Select Create a New Subdeployment and create FileUploadSD.



17. Select **FileUploadJMSServer** and click **Finish**.



18. Similarly Go into **FileuploadJMS** module and click **Next**.



19. Select **Connection factory** → Click **Next**.

to take effect.

Domain Structure

obdx_domain

- Domain Partitions
- Environment
- Deployments
- Services
 - 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

Connection Factory Properties

The following properties will be used to identify your new connection factory. The current module is FileUploadJMS.

* Indicates required fields

What would you like to name your new connection factory?

Name:

What JNDI Name would you like to use to look up your new connection factory?

JNDI Name:

The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable?

Subscription Sharing Policy:

The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?

Client ID Policy:

A connection factory can limit the number of messages that can be queued for an asynchronous session. Should this connection factory impose a limit?

Maximum Messages per Session:

Should this connection factory create sessions that are JTA aware, and create XA queues and XA topics?

☒ **XA Connection Factory Enabled**

20. Provide

Name : OCF

JNDI Name : OCF

Subscription Sharing Policy : Exclusive

Client ID Policy : Restricted

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create a New JMS System Module Resource

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

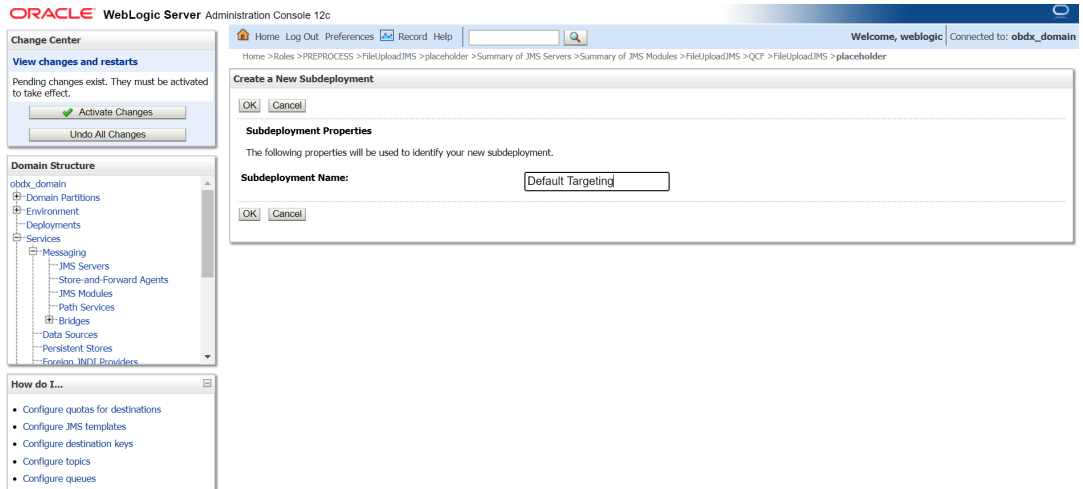
The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

Targets :

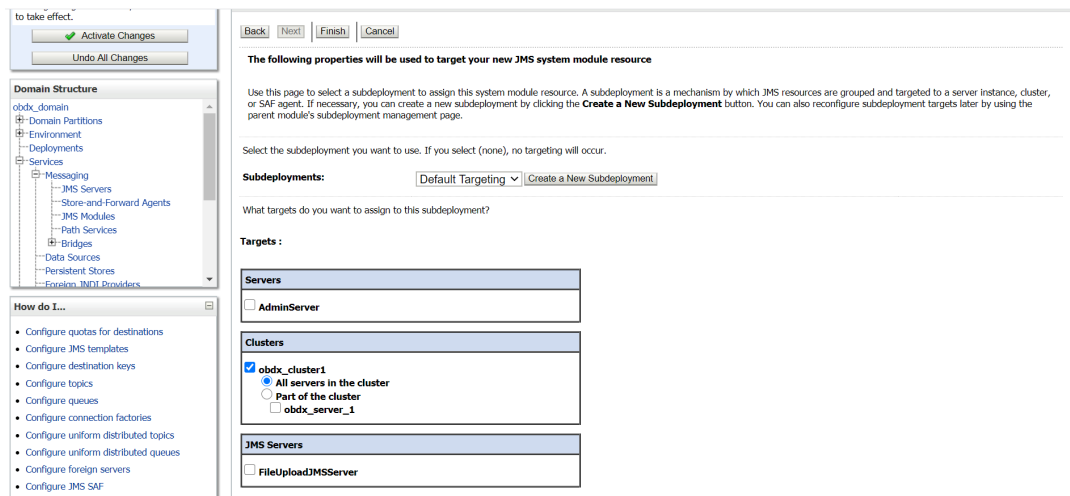
Clusters

- ☒ obdx_cluster1
 - ☐ All servers in the cluster
 - ☐ Part of the cluster
 - obdx_server_1

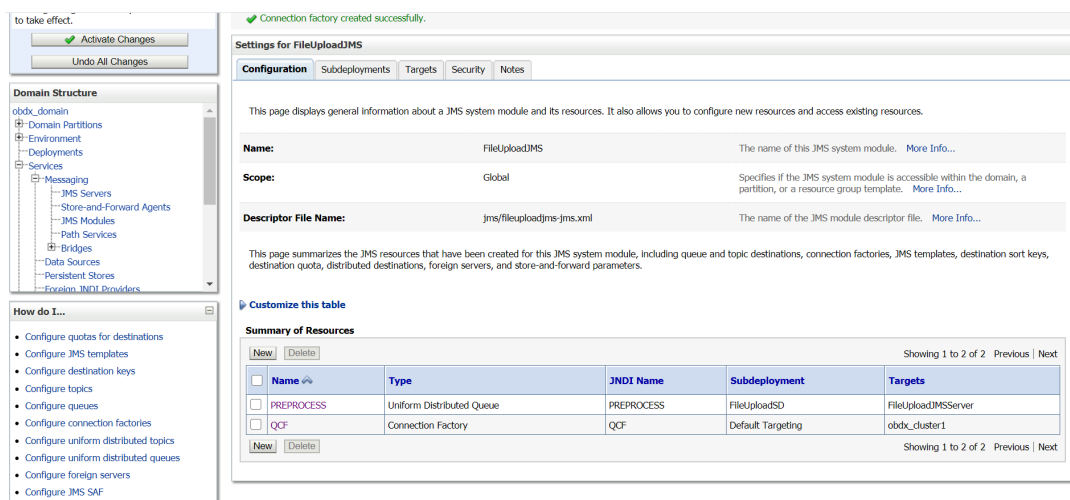
21. Click on Advanced targeting.



22. Provide Subdeployment Name as Default Targeting.



23. Select cluster and click Finish.



24. Go to **FileUpload JMS** and click **New**.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Domain Structure' tree is visible, showing the hierarchy from 'obdx_domain' down to 'Foreign JNDI Providers'. The 'Change Center' on the top left indicates that pending changes exist and must be activated. The main pane is titled 'Create a New JMS System Module Resource' and contains a 'Choose the type of resource you want to create.' section. This section lists several options: 'Connection Factory', 'Queue', 'Topic', 'Distributed Queue' (which is selected with a radio button), 'Distributed Topic', and 'Foreign Server'. Each option has a brief description and a 'More Info...' link.

25. Select **Distributed Queue**.

The screenshot shows the 'JMS Distributed Destination Properties' page in the Oracle WebLogic Server Administration Console. The page is titled 'JMS Distributed Destination Properties' and includes a note that the following properties will be used to identify the new Distributed Queue. The current module is 'FileUploadJMS'. The page contains several input fields and dropdown menus: 'Name' (set to 'RAPPROVAL'), 'JNDI Name' (set to 'RAPPROVAL'), 'Destination Type' (set to 'Uniform'), and 'Template' (set to 'None'). There are also 'Back', 'Next', 'Finish', and 'Cancel' buttons at the bottom of the form.

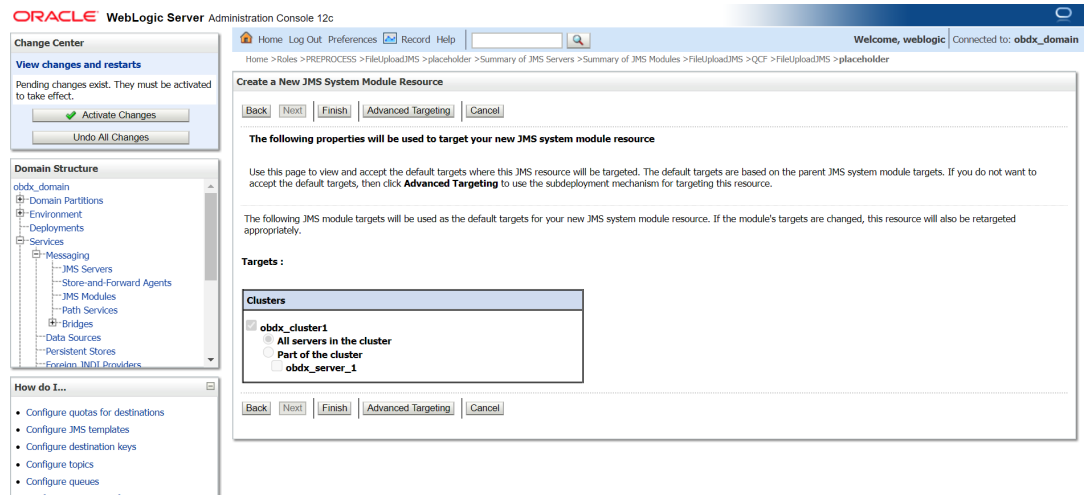
26. Provide

Name : RAPPROVAL

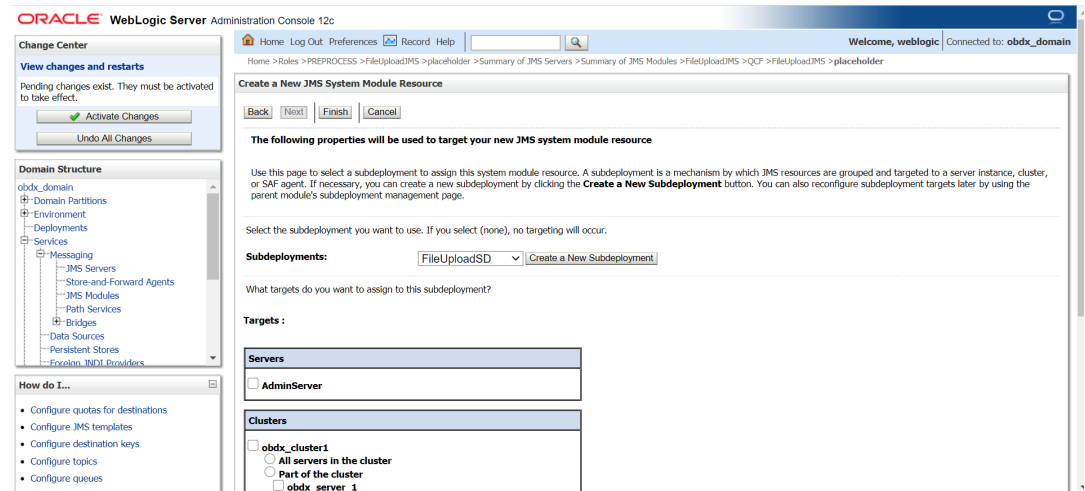
JNDI Name : RAPPROVAL

Destination Type: Uniform

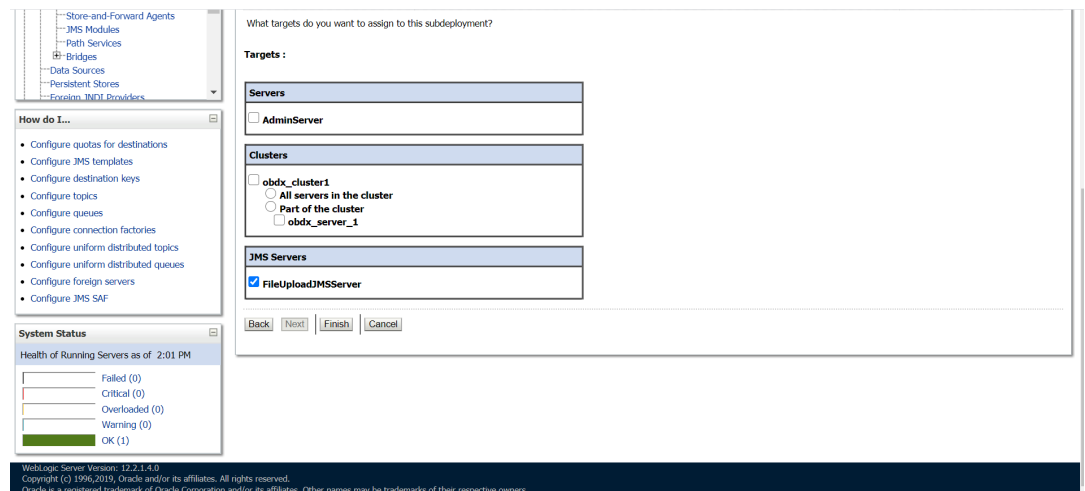
Template : None



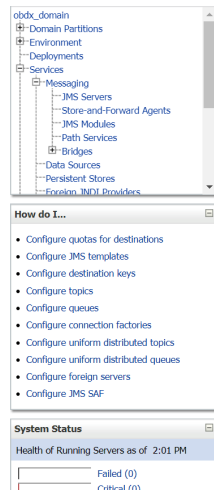
27. Select Advance targeting.



28. Select Subdeployment: FileUploadSD.



29. Select FileUploadJMSServer and click 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

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

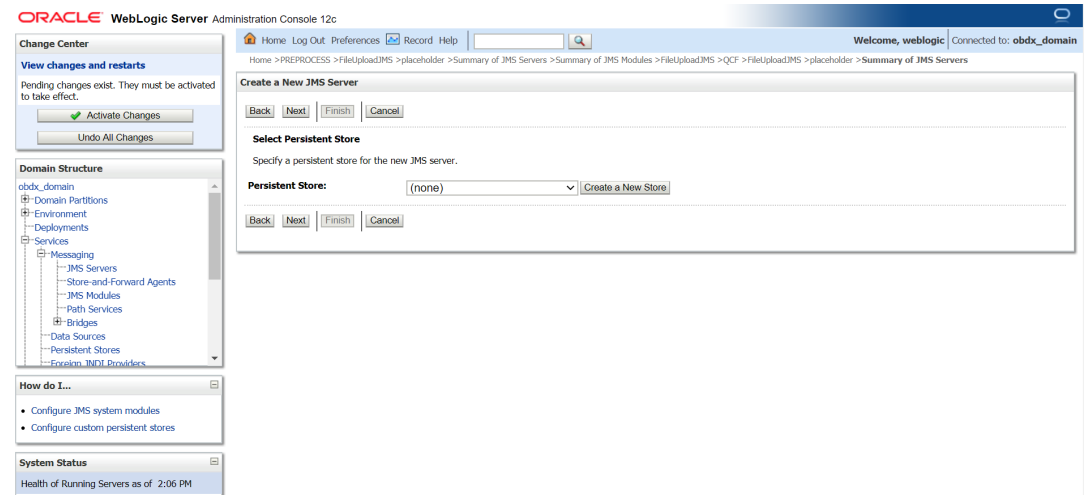
2.8 Creating WLS_JMS_AUDIT_PS FileStore

2.9 Creating AuditJMSServer JMS Server

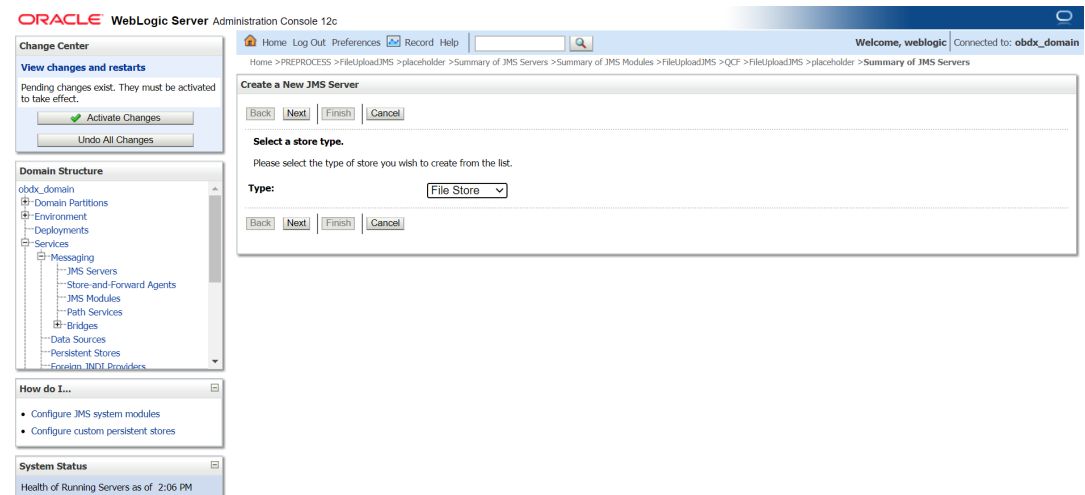
2.10 Creating WLS_JMS_REPORT_PS FileStore

1.

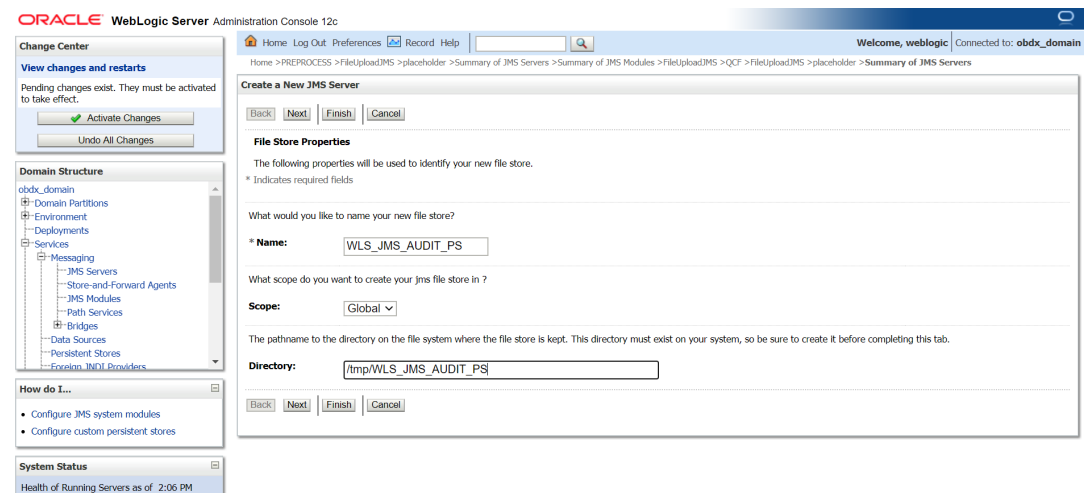
- Click on JMS server and click **New**.
- Provide Name as AuditJMSServer, Scope as **Global**.



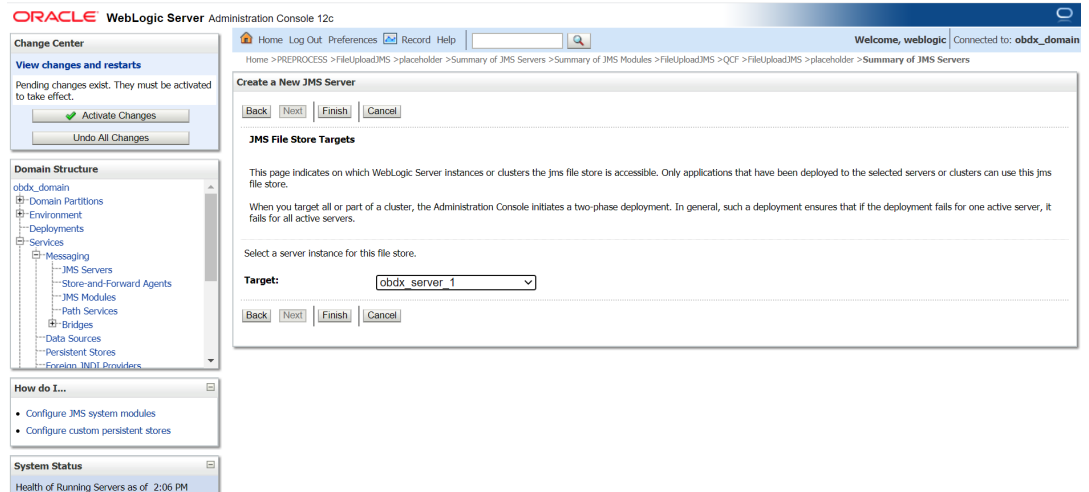
4. Click on **Create a New Store**.



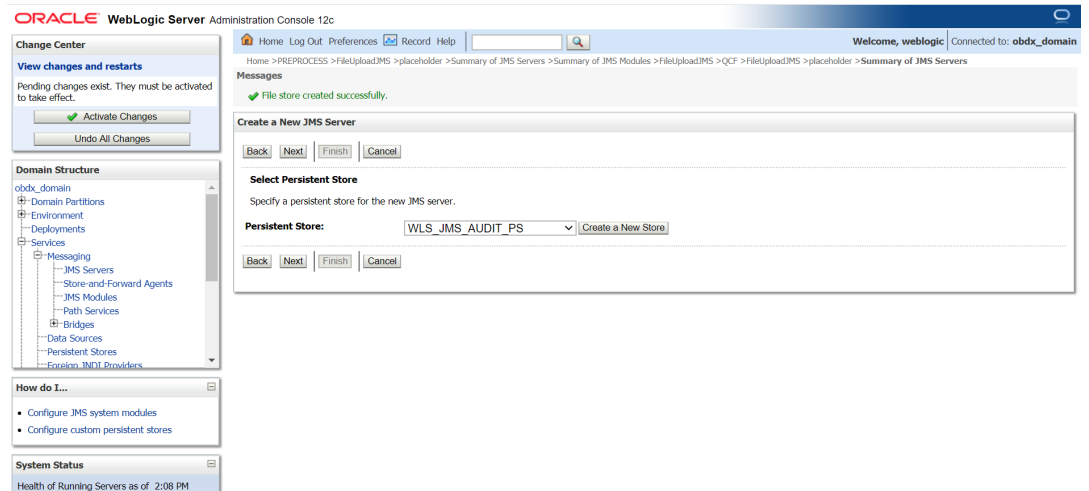
5. Select **File Store**.



6. **Provide**
Name : WLS_JMS_AUDIT_PS.
Scope : Global
Directory : /tmp/WLS_JMS_AUDIT_PS.



7. Select Target as managed server and click **Finish**.



8. Select the new store created WLS_JMS_AUDIT_PS and click **Next**.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create JMS System Module

Back Next Finish Cancel

The following properties will be used to identify your new module.

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.

* Indicates required fields

What would you like to name your System Module?

Name:

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

Scope:

What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.

Descriptor File Name:

Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?

Location In Domain:

9. Provide

Name : AuditJMS

Scope : Global

Descriptor File Name: jms/auditjms-jms.xml

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create JMS System Module

Back Next Finish Cancel

The following properties will be used to target your new JMS system module.

Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.

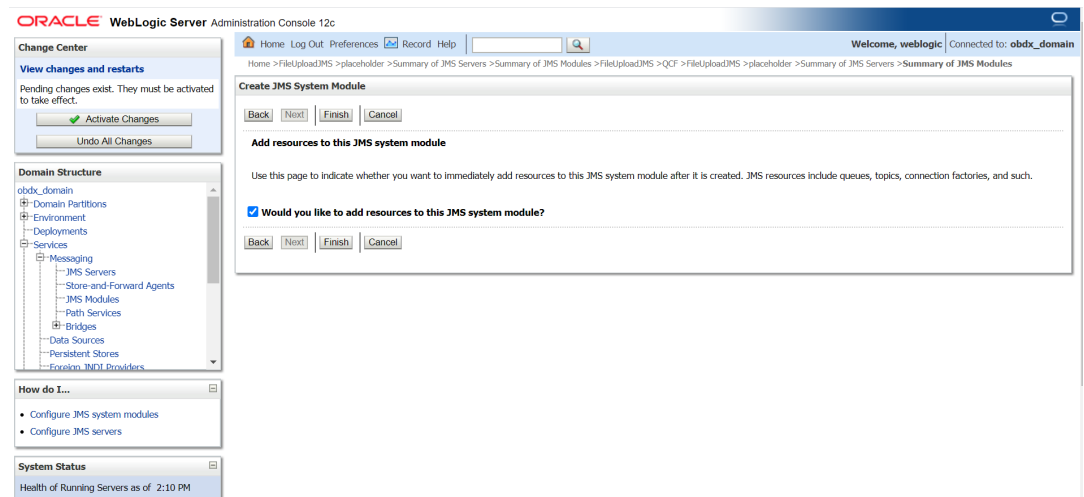
Targets :

Servers	
☐	AdminServer

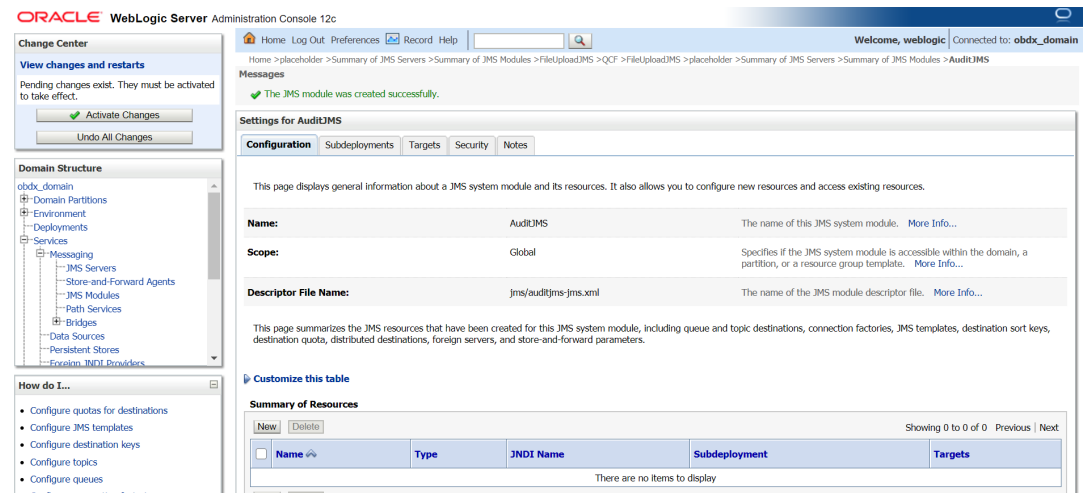
Clusters	
☒	obdx_cluster1
☐	All servers in the cluster
☐	Part of the cluster
☐	obdx_server_1

Back Next Finish Cancel

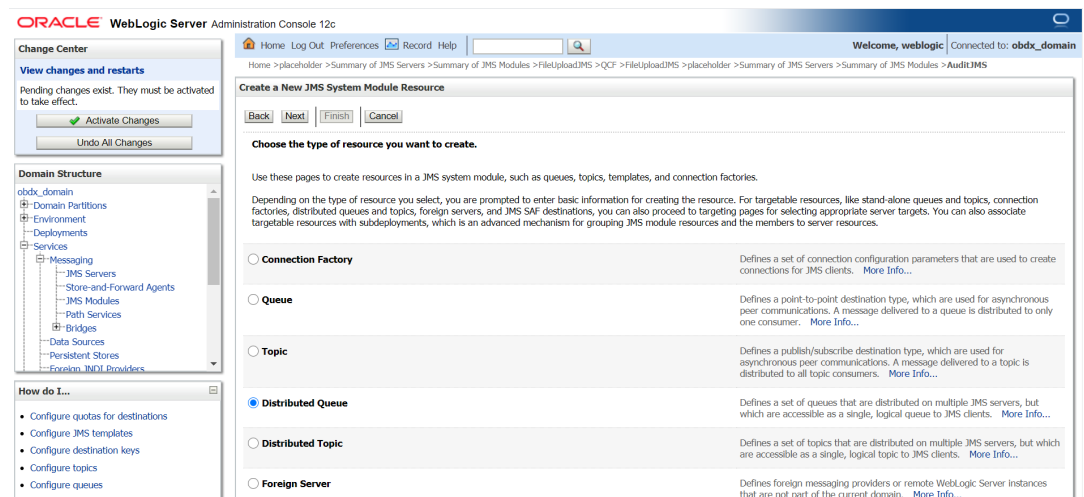
10. Select Cluster as a target.



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



12. Click New.



13. Select Distributed Queue.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create a New JMS System Module Resource

Back Next Finish Cancel

JMS Distributed Destination Properties

The following properties will be used to identify your new Distributed Queue. The current module is AuditJMS

* Indicates required fields

What would you like to name your new destination?

Name: API_AUDIT_QUEUE

What JNDI Name would you like to use to look up your new destination?

JNDI Name: API_AUDIT_QUEUE

Queue members may be either created uniformly from a common configuration, or created and weighted individually to fine tune performance. How would you like to create queue members?

Destination Type: Uniform

Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?

Template: None

Back Next Finish Cancel

14. Provide:

Name: API_AUDIT_QUEUE

JNDI Name: API_AUDIT_QUEUE

Destination Type : Uniform

Template:- None

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create a New JMS System Module Resource

Back Next Finish Advanced Targeting Cancel

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

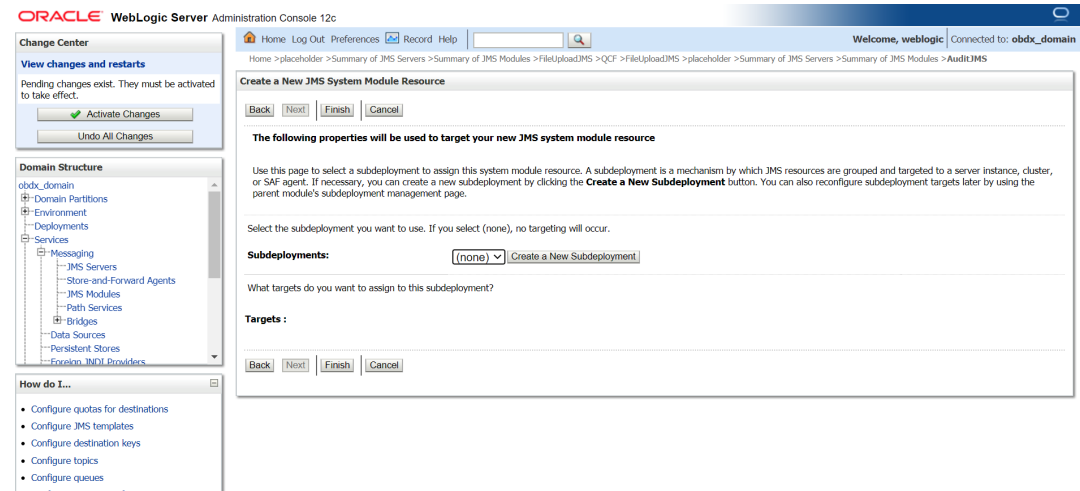
The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

Targets :

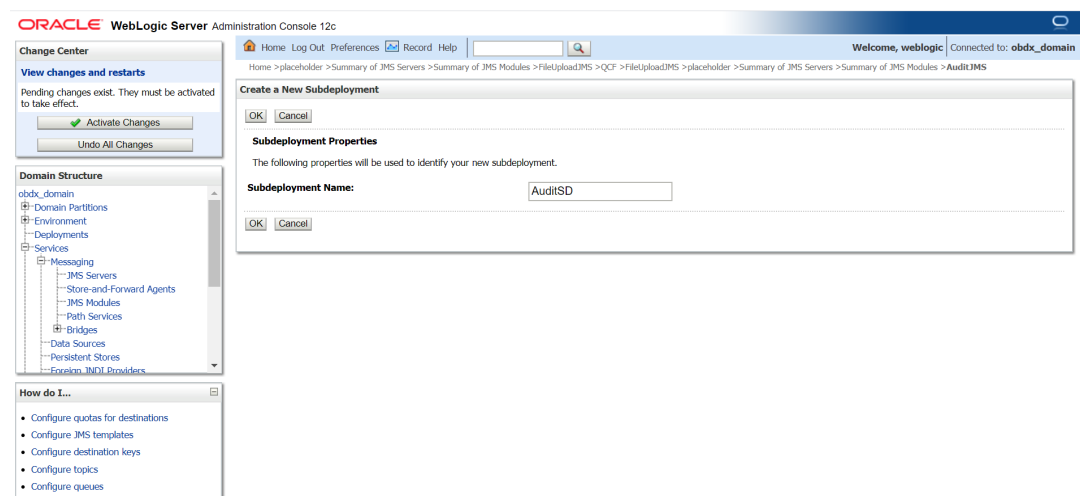
Clusters
☒ obdx_cluster1 ☐ All servers in the cluster ☐ Part of the cluster ☐ obdx_server_1

Back Next Finish Advanced Targeting Cancel

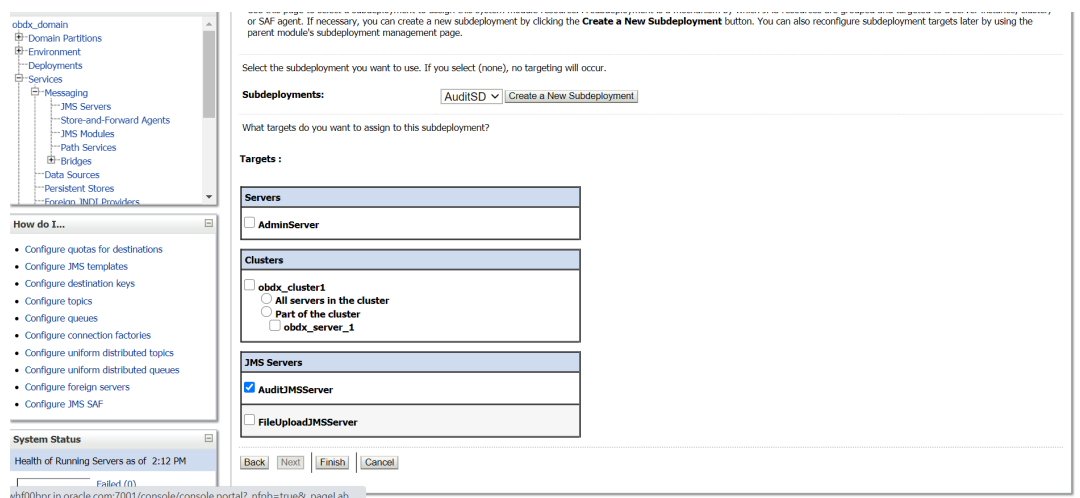
15. Select Advance targeting.



16. Click on Create a New Subdeployment.



17. Provide Subdeployment Name as AuditSD.



18. Select Target as AuditJMSServer.

ORACLE WebLogic Server Administration Console 12c

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

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

Create a New JMS System Module Resource

Back Next Finish Cancel

JMS Distributed Destination Properties

The following properties will be used to identify your new Distributed Queue. The current module is AuditJMS

* Indicates required fields

What would you like to name your new destination?

* Name:

What JNDI Name would you like to use to look up your new destination?

JNDI Name:

Queue members may be either created uniformly from a common configuration, or created and weighted individually to fine tune performance. How would you like to create queue members?

Destination Type:

Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?

Template:

Back Next Finish Cancel

ORACLE WebLogic Server Administration Console 12c

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

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

Create a New JMS System Module Resource

Back Next Finish Advanced Targeting Cancel

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

Targets :

Clusters
☒ obdx_cluster1
☐ All servers in the cluster
☐ Part of the cluster
☐ obdx_server_1

Back Next Finish Advanced Targeting Cancel

ORACLE WebLogic Server Administration Console 12c

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

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

Create a New JMS System Module Resource

Back Next Finish Cancel

The following properties will be used to target your new JMS system module resource

Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

Subdeployments: [Create a New Subdeployment](#)

What targets do you want to assign to this subdeployment?

Targets :

Servers
☐ AdminServer

Clusters
☐ obdx_cluster1
☐ All servers in the cluster
☐ Part of the cluster
☐ obdx_server_1

JMS Servers
☒ AuditJMSServer

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create a New JMS System Module Resource

Back Next Finish Cancel

Choose the type of resource you want to create.

Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection factories.

Depending on the type of resource you select, you are prompted to enter basic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resources and the members to server resources.

☐ Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info...
☐ Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info...
☐ Topic	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info...
☒ Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info...
☐ Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info...
☐ Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info...

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_domain

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

Create a New JMS System Module Resource

Back Next Finish Cancel

Choose the type of resource you want to create.

Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection factories.

Depending on the type of resource you select, you are prompted to enter basic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resources and the members to server resources.

☒ Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info...
☐ Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info...
☐ Topic	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info...
☐ Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info...
☐ Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info...
☐ Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info...

19. Click on connection Factory.

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

Back Next Finish Cancel

Connection Factory Properties

The following properties will be used to identify your new connection factory. The current module is AuditJMS.

* Indicates required fields

What would you like to name your new connection factory?

* **Name:** AUDITQCF

What JNDI Name would you like to use to look up your new connection factory?

JNDI Name: AUDITQCF

The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable?

Subscription Sharing Policy: Exclusive

The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?

Client ID Policy: Restricted

A connection factory can limit the number of messages that can be queued for an asynchronous session. Should this connection factory impose a limit?

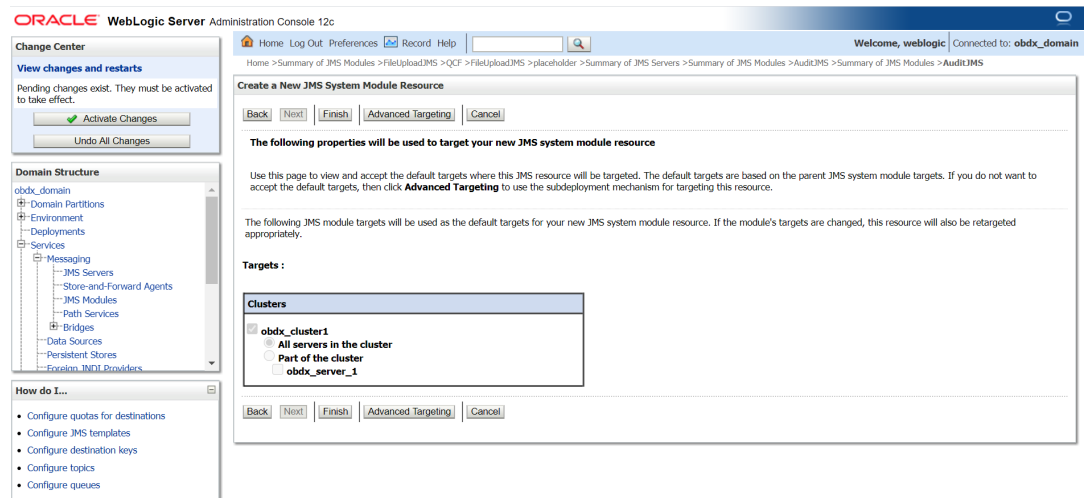
Maximum Messages per Session: 10

Should this connection factory create sessions that are JTA aware, and create XA queues and XA topics?

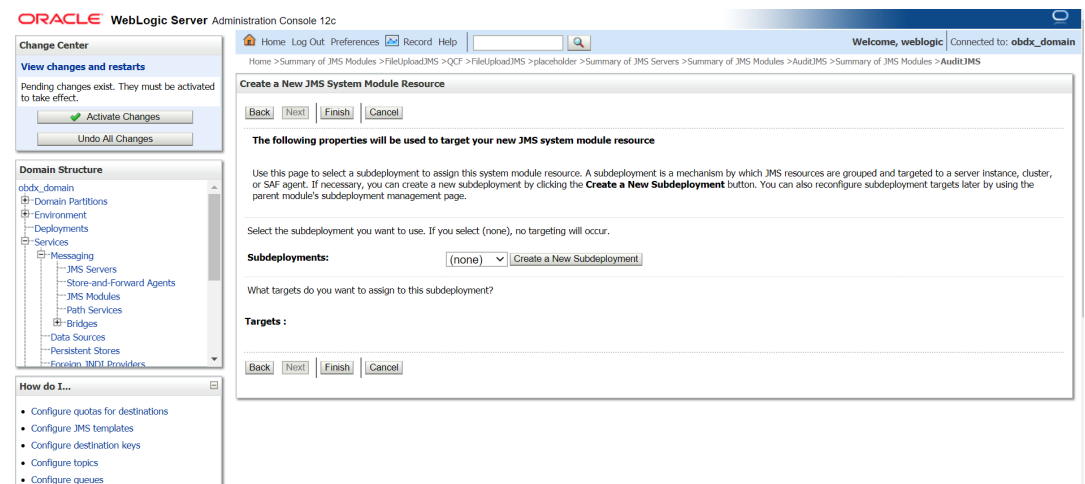
☒ **XA Connection Factory Enabled**

20. Provide Name : AUDITQCF

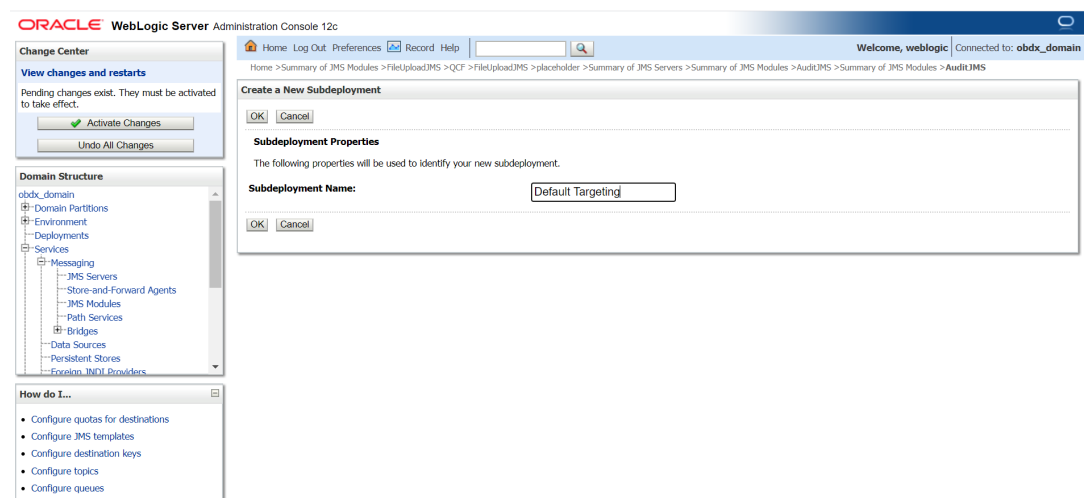
JNDI Name : AUDITQCF



21. Click on Advanced Targeting.



22. Click on Create a New Subdeployment.



23. Give Subdeployment Name as Default Targeting.

The screenshot shows the 'Subdeployments' configuration page for a new JMS system module resource. The left sidebar displays the 'Domain Structure' with a tree view showing the hierarchy from 'obdx_domain' down to 'Foreign JNDI Providers'. Below the tree is a 'How do I...' section with links to various configuration tasks. The main content area has a 'Back | Next | Finish | Cancel' navigation bar. Below this, a text block explains the purpose of the page: 'Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.'

Below the text, there is a section 'Select the subdeployment you want to use. If you select (none), no targeting will occur.' followed by a 'Subdeployments:' dropdown menu set to 'Default Targeting' and a 'Create a New Subdeployment' button. A 'What targets do you want to assign to this subdeployment?' section follows, with a 'Targets:' label. The targets are listed in three sections: 'Servers' (with 'AdminServer' unchecked), 'Clusters' (with 'obdx_cluster1' selected and 'All servers in the cluster' checked, and 'Part of the cluster' and 'obdx_server_1' unchecked), and 'JMS Servers' (with 'AuditJMSServer' unchecked).

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

The screenshot shows the 'Settings for AuditJMS' page with the 'Configuration' tab selected. The left sidebar is identical to the previous screenshot. The main content area has a 'to take effect.' section with 'Activate Changes' and 'Undo All Changes' buttons. Below this, a green message states: 'The JMS distributed queue was created successfully.'

The 'Settings for AuditJMS' section has tabs for 'Configuration', 'Subdeployments', 'Targets', 'Security', and 'Notes'. The 'Configuration' tab is active, displaying general information about the JMS system module and its resources. It includes fields for 'Name' (AuditJMS), 'Scope' (Global), and 'Descriptor File Name' (jms/auditjms-jms.xml). Below this, a 'Summary of Resources' table is shown, listing three resources: 'API_AUDIT_QUEUE' (Uniform Distributed Queue), 'AUDITQCF' (Connection Factory), and 'AUDIT_QUEUE' (Uniform Distributed Queue). The table has columns for 'Name', 'Type', 'JNDI Name', 'Subdeployment', and 'Targets'.

Name	Type	JNDI Name	Subdeployment	Targets
API_AUDIT_QUEUE	Uniform Distributed Queue	API_AUDIT_QUEUE	AuditSD	AuditJMSServer
AUDITQCF	Connection Factory	AUDITQCF	Default Targeting	obdx_cluster1
AUDIT_QUEUE	Uniform Distributed Queue	AUDIT_QUEUE	AuditSD	AuditJMSServer

2.11 Creating ReportsJMSServer JMS Server

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

ORACLE WebLogic Server Administration Console 12c

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

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

Messages
JMS server created successfully

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
☐ AuditJMSServer	WLS_JMS_AUDIT_PS	obdx_server_1	obdx_server_1	
☐ FileUploadJMSServer	WLS_JMS_FILEUPLOAD_PS	obdx_server_1	obdx_server_1	
☐ ReportsJMSServer	WLS_JMS_REPORT_PS	obdx_server_1	obdx_server_1	

Showing 1 to 3 of 3 Previous | Next

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of JMS Servers > Summary of JMS Modules > Summary of JMS Bridge Destinations > Summary of Store-and-Forward Agents > Summary of JMS Modules > Summary of Persistent Stores > Summary of JMS Modules > ReportsJMSModule > Summary of JMS Modules

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
☐ AuditJMS	JMSystemResource
☐ FileUploadJMS	JMSystemResource
☐ ReportsJMSModule	JMSystemResource

Showing 1 to 3 of 3 Previous | Next

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
☐ REPORTADHOC	Uniform Distributed Queue	REPORTADHOC	ReportsSubdeployment	ReportsJMSServer
☐ REPORTSCHEDULED	Uniform Distributed Queue	REPORTSCHEDULED	ReportsSubdeployment	ReportsJMSServer
☐ ReportsQCF	Connection Factory	ReportsQCF	Default Targeting	obdx_cluster1

Showing 1 to 3 of 3 Previous | Next

- 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

2.12 Creating jpa-cache JMS Server

2.13 Creating WLS_JPA_PS FileStore

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

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
☐ AuditJMS	WLS_JMS_AUDIT_PS	obdx_server_1	obdx_server_1	
☐ FileUploadJMS	WLS_JMS_FILEUPLOAD_PS	obdx_server_1	obdx_server_1	
☐ jpa-cache	WLS_JPA_PS	obdx_server_1	obdx_server_1	
☐ ReportsJMS	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
☐ AuditJMS	JMSSystemResource
☐ FileUploadJMS	JMSSystemResource
☐ jpa-cache	JMSSystemResource
☐ ReportsJMSModule	JMSSystemResource

2. 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.

Activate Changes

Undo All Changes

Domain Structure

obdx_domain

- Domain Partitions
- Environment
- Deployments
- Services
 - Messageing
 - 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 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

New Delete Showing 1 to 2 of 2 Previous Next

☐	Name	Type	JNDI Name	Subdeployment	Targets
☐	.jms/jpa-cache-cf	Connection Factory	./jms/jpa-cache-cf	Default Targeting	obdx_cluster1
☐	./jms/jpa-cache-topic	Uniform Distributed Topic	./jms/jpa-cache-topic	jpa-cache-sd	jpa-cache

New Delete Showing 1 to 2 of 2 Previous Next

2.14 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.

to take effect.

Activate Changes

Undo All Changes

Domain Structure

obdx_domain

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

How do I...

- Configure JMS servers
- Configure JMS system modules

System Status

Health of Running Servers as of 3:32 PM

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

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)

New Delete Showing 1 to 5 of 5 Previous Next

☐	Name	Persistent Store	Target	Current Target	Health
☐	AuditJMServer	WLS_JMS_AUDIT_PS	obdx_server_1	obdx_server_1	
☐	ExtSystemReceiver	WLS_JMS_EXTSYSRECEIVER_PS	obdx_server_1	obdx_server_1	
☐	FileUploadJMServer	WLS_JMS_FILEUPLOAD_PS	obdx_server_1	obdx_server_1	
☐	jpa-cache	WLS_JPA_PS	obdx_server_1	obdx_server_1	
☐	ReportsJMServer	WLS_JMS_REPORT_PS	obdx_server_1	obdx_server_1	

New Delete Showing 1 to 5 of 5 Previous Next

2. Create ExtSystemReceiver JMS Module as 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**
 - 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

Name	Type
AuditJMS	JMSSystemResource
ExtSystemReceiver	JMSSystemResource
FileUploadJMS	JMSSystemResource
Jpa-cache	JMSSystemResource
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.

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 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

Showing 1 to 2 of 2 Previous | Next

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

Showing 1 to 2 of 2 Previous | Next

2.15 Creating ExtSystemSender JMS Server Persistent Store FileStore as WLS_JMS_EXTSYSSENDER_PS

1. As show below create JMS Server ExtSystemSender.

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 servers
- Configure JMS system modules

System Status

Health of Running Servers as of 3:33 PM

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (1)

✓ JMS server created successfully

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)

New Delete Showing 1 to 6 of 6 Previous Next

Name	Persistent Store	Target	Current Target	Health
☐ AuditJMSServer	WLS_JMS_AUDIT_PS	obdx_server_1	obdx_server_1	
☐ ExtSystemReceiver	WLS_JMS_EXTSYSRECEIVER_PS	obdx_server_1	obdx_server_1	
☐ ExtSystemSender	WLS_JMS_EXTSYSENDER_PS	obdx_server_1	obdx_server_1	
☐ FileUploadJMSServer	WLS_JMS_FILEUPLOAD_PS	obdx_server_1	obdx_server_1	
☐ jpa-cache	WLS_JPA_PS	obdx_server_1	obdx_server_1	
☐ ReportsJMSServer	WLS_JMS_REPORT_PS	obdx_server_1	obdx_server_1	

New Delete Showing 1 to 6 of 6 Previous Next

2. Create ExtSystemSender JMS Module.

ORACLE WebLogic Server Administration Console 12c

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

Home > Summary of Persistent Stores > Summary of JMS Modules > ReportsJMSModule > Summary of JMS Modules > jpa-cache > Summary of JMS Modules > ExtSystemReceiver > Summary of JMS Modules > ExtSystemSender > Summary of JMS Modules

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)

New Delete Showing 1 to 6 of 6 Previous Next

Name	Type
☐ AuditJMS	JMSSystemResource
☐ ExtSystemReceiver	JMSSystemResource
☐ ExtSystemSender	JMSSystemResource
☐ FileUploadJMS	JMSSystemResource
☐ jpa-cache	JMSSystemResource
☐ ReportsJMSModule	JMSSystemResource

New Delete Showing 1 to 6 of 6 Previous Next

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

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

System Status

Health of Running Servers as of 4:22 PM

Failed (0)

Critical (0)

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: ExtSystemSender 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/extsystemsender-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 2 of 2 Previous Next

Name	Type	JNDI Name	Subdeployment	Targets
☐ ExtSystemSenderQCF	Connection Factory	ExtSystemSenderQCF	Default Targeting	obdx_cluster1
☐ ExtSystemSenderQueue	Uniform Distributed Queue	ExtSystemSenderQueue	ExtSystemSenderSub	ExtSystemSender

New Delete Showing 1 to 2 of 2 Previous Next

2.16 Creating UBSForeignServer JMS Server

1.

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, 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)

New Delete

Showing 1 to 7 of 7 Previous Next

☐	Name	Type
☐	AuditJMS	JMSSystemResource
☐	ExtSystemReceiver	JMSSystemResource
☐	ExtSystemSender	JMSSystemResource
☐	FileUploadJMS	JMSSystemResource
☐	jpa-cache	JMSSystemResource
☐	ReportsJMSModule	JMSSystemResource
☐	UBSSystemModule	JMSSystemResource

New Delete

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
 - 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 UBSSystemModule

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 quota, distributed destinations, foreign servers, and store-and-forward parameters.

Customize this table

Summary of Resources

New Delete

Showing 1 to 1 of 1 Previous Next

☐	Name	Type	JNDI Name	Subdeployment	Targets
☐	UBSForeignServer	Foreign Server	N/A	UBSSubdeployment	obdx_cluster1

New Delete

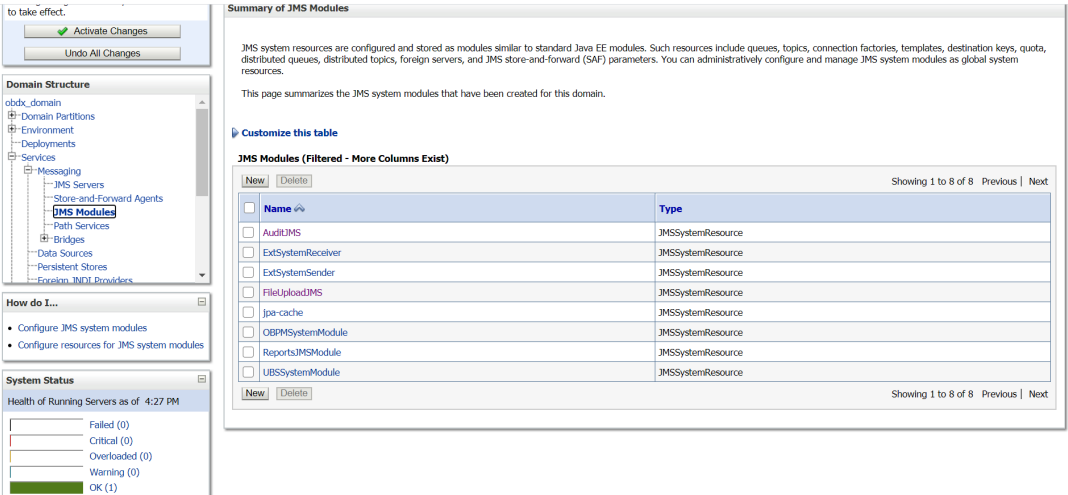
Showing 1 to 1 of 1 Previous Next

2.17 Creating OBPMForeignServer JMS Server

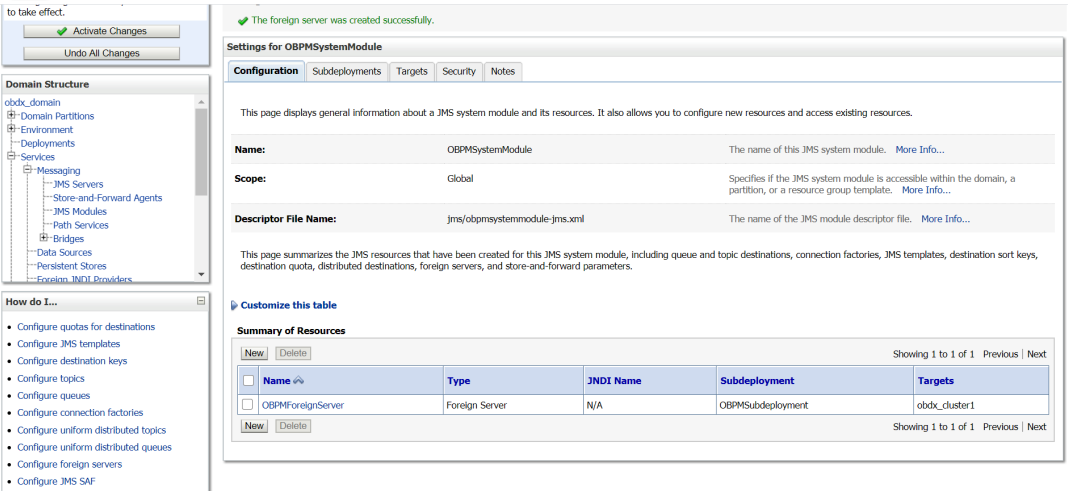
1. In JMSModule create OBPMSystemModule.

ORACLE®

2-45



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



3

Deploying Applications

Deployment of Lib and Wars

Wars and Libs which are independent are present in path-
OBAPI_Installer\installables\OBAPI\<Installation type>\<version>/
app/components/commonWars that are created on runtime will be
available in
path- OBAPI_Installer/ OBAPI_Installer/ExecInstances/<date>/app/wars.
Please refer below XML
file for list of wars to be deployed.<application name="digx-cms.war"
displayedName="digx-cms" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><application name="digx-corporateloan.war"
displayedName="digx-corporateloan" target="@wls_cluster_name@"
location="@deploy_path@" type="" deployOrder="100"/><application
name="digx-creditfacility.war"
displayedName="digx-creditfacility" target="@wls_cluster_name@"
location="@deploy_path@" type="" deployOrder="100"/><application
name="digx-edx.war"
displayedName="digx-edx" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><application name="digx-
liquiditymanagement.war"
displayedName="digx-liquiditymanagement" target="@wls_cluster_name@"
location="@deploy_path@" type="" deployOrder="100"/><!-- <application
name="digx-loanapplication.war"
displayedName="digx-loanapplication" target="@wls_cluster_name@"
location="@deploy_path@" type="" deployOrder="100"/> --><application
name="digx-payments.war"
displayedName="digx-payments" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><application name="digx-pfm.war"
displayedName="digx-pfm" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><!-- <application name="digx-pm.war"
displayedName="digx-pm" target="@wls_cluster_name@"
location="@deploy_path@" type=""
deployOrder="100"/> --><application name="digx-processmanagement.war"
displayedName="digx-processmanagement" target="@wls_cluster_name@"
location="@deploy_path@" type="" deployOrder="100"/><application
name="digx-retail.war"
displayedName="digx-retail" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><application name="digx-scf.war"
displayedName="digx-scf" target="@wls_cluster_name@"
location="@deploy_path@"
type="" deployOrder="100"/><application name="digx-scfcm.war"
displayedName="digx-scfcm" target="@wls_cluster_name@"
location="@deploy_path@"

```

        type="" deployOrder="100"/><application name="digx-tradefinance.war"
        displayedName="digx-tradefinance" target="@wls_cluster_name@"
location="@deploy_path@"
        type="" deployOrder="100"/><application name="digx-virtual-
account.war"
        displayedName="digx-virtual-account" target="@wls_cluster_name@"
        location="@deploy_path@" type="" deployOrder="100"/><application
name="digx-kafkanotification.war"
        displayedName="digx-kafkanotification" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common" type=""
        deployOrder="100"/><application name="digx-common.war"
        displayedName="digx-common" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="100"/><application name="digx-admin.war"
        displayedName="digx-admin" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="99"/><application name="digx-infra.war"
        displayedName="digx-infra" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="100"/><library name="digx-shared-libs.war"
        displayedName="digx-shared-libs"
target="@wls_cluster_name@,AdminServer"
        location="@deploy_path@" type="common" deployOrder="0"/><application
name="digx-eurekaserver.war"
        displayedName="digx-eurekaserver" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common"
type="common"
        deployOrder="100"/><application name="digx-webauthn.war"
        displayedName="digx-webauthn" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common"
type="common"
        deployOrder="100"/><application name="digx-coherence.war"
        displayedName="digx-coherence" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common"
type="common"
        deployOrder="0"/><application name="digx-extxfacesimulator.war"
        displayedName="digx-extxfacesimulator" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common"
type="common"
        deployOrder="100"/><library name="digx-lzn-libs.war"
        displayedName="digx-lzn-libs" target="@wls_cluster_name@,AdminServer"
        location="@installerhome%/installables/app/components/common"
type="common"
        deployOrder="0"/><application name="digx-ukob.war"
        displayedName="digx-ukob" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="100"/><application name="digx-berlinob.war"
        displayedName="digx-berlinob" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="100"/><application name="digx-genai.war"
        displayedName="digx-genai" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="100"/><application name="digx-finlimit.war"
        displayedName="digx-finlimit" target="@wls_cluster_name@"
        location="@installerhome%/installables/app/components/common"
type="common"

```

```

        deployOrder="100"/><application name="digx-em.war"
        displayedName="digx-em" target="@wls_cluster_name@"
        location="@installerhome@/installables/app/components/common"
type="common"
        deployOrder="100"/><application name="digx-sms.war"
        displayedName="digx-sms" target="@wls_cluster_name@"
location="@deploy_path@"
        type="common" deployOrder="99"/><application name="digx-
configserver.war"
        displayedName="digx-configserver" target="@wls_cluster_name@"
        location="@installerhome@/installables/app/components/common"
type="common"
        deployOrder="100"/><!-- <application name="digx-approval.war"
        displayedName="digx-approval" target="@wls_cluster_name@"
        location="@installerhome@/installables/app/components/common"
type="common"
        deployOrder="100"/> -->

```

Please use the wars present in above location and deploy the wars accordingly in weblogic.

4

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.GenericIdentityStorePro
vider">
<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"/>
```

5

List of Topics

This user manual is organized as follows:

Table 5-1 List of Topics

Topics	Description
Preface	This topic provides information on the introduction, intended audience, list of topics, and acronyms covered in this guide.
Manual OBAPI installation	This topic provides a step to install OBDX database manually.
WEBLOGIC Setup and Configuration	This topic provides information about the creations of weblogic domain , managed server, creations of cluster, configuration of node manager.
Deploying Applications	This topic describes deployment of Lib and Apps.
Configured jps-config.xml	This topic explains the configuration of jps-config.xml.

Index

C

Configured jps-config.xml, [4-1](#)
Create JMS Server and JMS Module, [2-17](#)
Creating B1A1 Data Source, [2-14](#)
Creating BATCH Data Source, [2-8](#)
Creating DIGX Data Source, [2-2](#)
Creating ExtSystemReceiver JMS Server -
 WLS_JMS_EXTSYSRECEIVER_PS
 FileStore, [2-42](#)
Creating ExtSystemSender JMS Server
 Persistent Store FileStore as
 WLS_JMS_EXTSYSENDER_PS, [2-43](#)
Creating NONXA Data Source, [2-5](#)
Creating OBPMForeignServer JMS Server, [2-45](#)
Creating ReportsJMSServer JMS Server, [2-39](#)
Creating SYSCONFIG Data Source, [2-11](#)
Creating UBSForeignServer JMS Server, [2-45](#)
Creating WLS_JMS_REPORT_PS FileStore, [2-29](#)
Creating WLS_JPA_PS FileStore, [2-41](#)

D

Deploying Applications, [3-1](#)

M

Manual OBAPI Installation, [1-1](#)

P

Policy Seeding, [1-1](#)

S

Setting Domain JTA Transaction Timeout, [2-1](#)

W

WEBLOGIC Setup and Configuration, [2-1](#)