Oracle® Banking Digital Experience

Installation Guide-Non-Linux Platforms

Release 25.1.1.0.0
G43895-01
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Oracle Banking Digital Experience Installation Guide-Non-Linux Platforms, Release 25.1.1.0.0

G43895-01

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Preface

Purpose

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

Before you Begin

Kindly refer to our **Getting Started User Guide** for common elements, including Symbols and Icons, Conventions Definitions, and so forth.

Pre-requisites

Specify **User ID** and **Password**, and login to **Home** screen.

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.

Related Resources

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

- Oracle Banking Digital Experience Installation Manuals
- Oracle Banking Digital Experience Licensing Manuals

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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.

Convention	Meaning
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.

Acronyms and Abbreviations

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

Table 1 Acronyms and Abbreviations

Abbreviation	Description
OBDX	Oracle Banking Digital Experience

Post-requisites

After finishing all the requirements, please log out from the **Home** screen.

1

Manual OBDX Installation

This topic provides information on **Manual OBDX Installation**.

OBAPI Database Installation with OBPM FLAVOR

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

OBDX_Installer/installables/OBDX/<Installation type>/<version>/db/<version>/OBDX/

Inside above path ddl, dml, and constraints folders are present inside which OBDX 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 -

OBDX_Installer/installables/OBDX/<Installation type>/<version>/db/<version>/

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

1.1 Policy Seeding

This topic provides information on **Policy Seeding**.

```
TEMP_PATH=Temparory Pathcp ${OBDX INSTALLER}/installables/OBDX/<Installation
        type>/<version>/policies/Entitlement_log4j.properties to
        TEMP_PATH/db/Entitlement_log4j.propertiescp ${OBDX INSTALLER}/
installables/OBDX/<Installation
        type>/<version>/policies /Task_log4j.properties to
        TEMP_PATH/db/Task_log4j.properties cp ${OBDX INSTALLER}/installables/
OBDX/<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=OBDX_${POST_FIX} and SCHEMA_PASS= Password of
        OBDX_${POST_FIX}.
# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
        TEMP_PATH/db/Task_log4j.properties -jar ${OBDX INSTALLER}/OBDX/
<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:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/
OBDX_DATABASE_SID' KERNEL NO_FLUSH initialPoolSize=1 minPoolSize=1
maxPoolSize=20 maxIdleTime=600 timeoutCheckInterval=5
inactiveConnectionTimeout=30
# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
        TEMP_PATH/db/Dashboard_seed_log4j.properties -jar ${OBDX INSTALLER}/
OBDX/<Installation
        type>/<version>/policies/com.ofss.digx.utils.dashboard.jar ${OBDX
        INSTALLER}/}/OBDX/<Installation type>/<version>/policies/
dashboard_json/
        oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
        'jdbc:oracle:thin:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/
OBDX_DATABASE_SID' initialPoolSize=1 minPoolSize=1 maxPoolSize=20
maxIdleTime=600 timeoutCheckInterval=5 inactiveConnectionTimeout=30
# $JAVA_HOME/bin/java -Djava.util.logging.config.file=
        TEMP_PATH/db/Entitlement_log4j.properties -jar ${OBDX INSTALLER}/}/
OBDX/<Installation
          type>/<version>/policies/
com.ofss.digx.utils.entitlement.feed.data.jar  ${OBDX INSTALLER}/}/OBDX/
<Installation
        type>/<version>/policies/Resources.csv ${OBDX INSTALLER}/}/OBDX/
<Installation
        type>/<version>/policies/Entitlement.csv ${OBDX INSTALLER}/}/OBDX/
<Installation
        type>/<version>/policies/Day0Policy.csv KERNEL
oracle.jdbc.OracleDriver SCHEMA_NAME SCHEMA_PASS
        'jdbc:oracle:thin:@OBDX_DATABASE_HOSTNAME:OBDX_DATABASE_PORT/
OBDX_DATABASE_SID' NO_FLUSH  initialPoolSize=1 minPoolSize=1 maxPoolSize=20
maxIdleTime=600 timeoutCheckInterval=5 inactiveConnectionTimeout=30
```

2

WEBLOGIC Setup and Configuration

This topic provides information on **WEBLOGIC Setup and Configuration**.

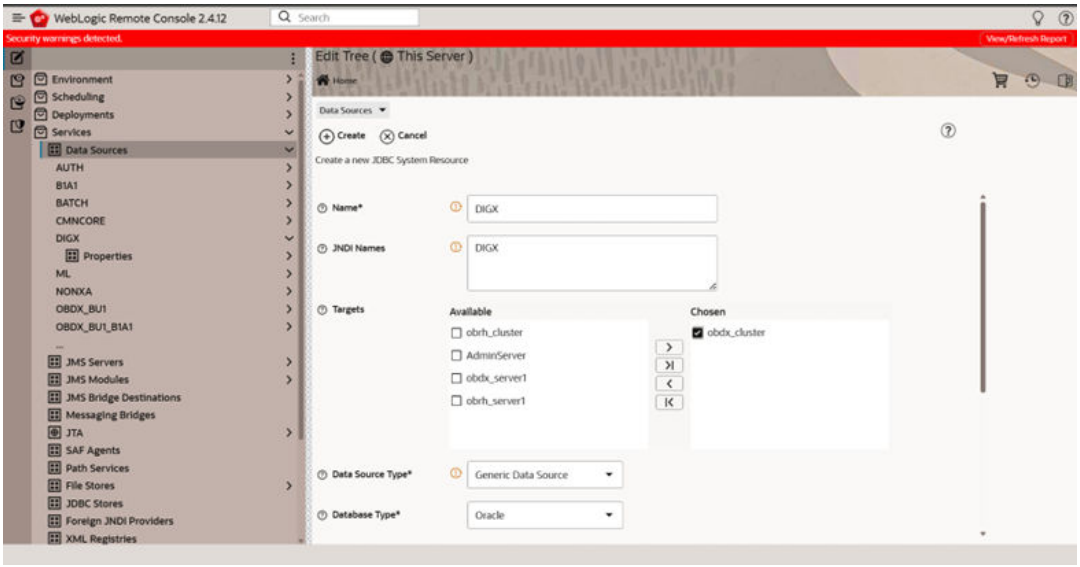
Once OBDX and EHMS schema created, weblogic domain created, managed server, cluster and node manager configured, proceed with below steps.

- Creating DIGX Data Source
  This topic describes the systematic instruction to **Creating DIGX Data Source** option.
- Creating NONXA Data Source
  This topic describes the systematic instruction to **Creating NONXA Data Source** option.
- Creating BATCH Data Source
  This topic describes the systematic instruction to **Creating BATCH Data Source** option.
- Creating SYSCONFIG Data Source
  This topic describes the systematic instruction to **Creating SYSCONFIG Data Source** option.
- Creating B1A1 Data Source
  This topic describes the systematic instruction to **Creating B1A1 Data Source** option.
- Create JMS Server and JMS Module
  This topic describes the systematic instruction to **Create JMS Server and JMS Module** option.

2.1 Creating DIGX Data Source

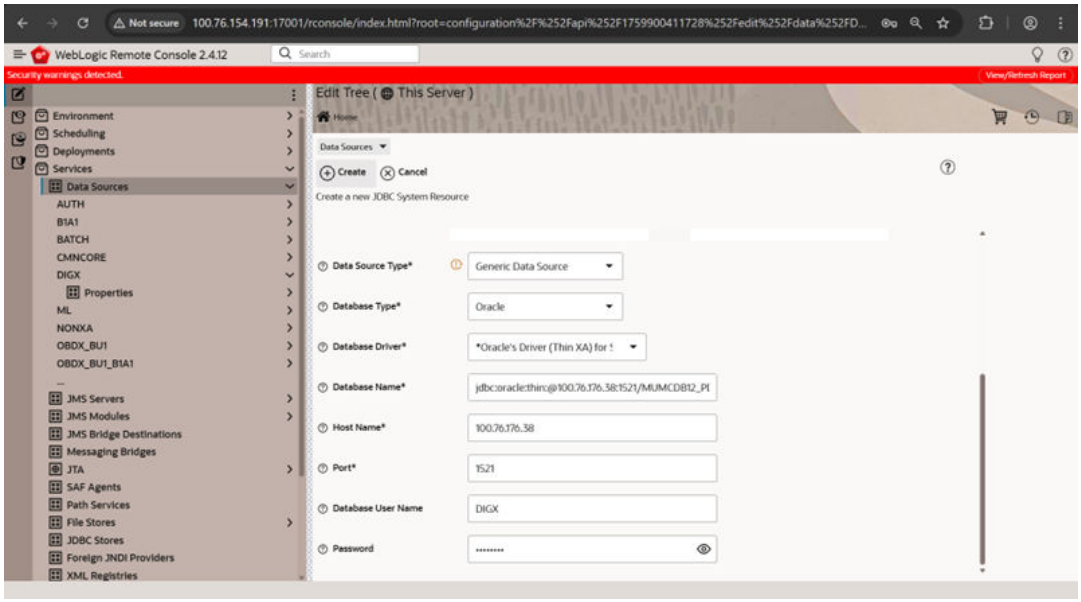
This topic describes the systematic instruction to **Creating DIGX Data Source** option.

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



2. **Name:** `DIGX`

JNDI Name: `DIGX`

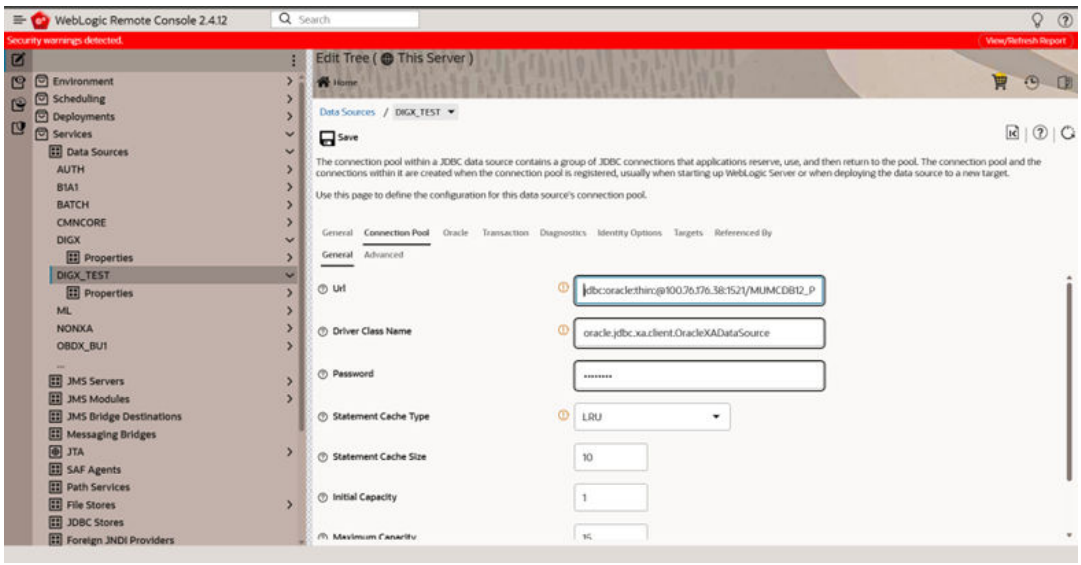


3. Select Oracle's Driver (Thin) for Instance connections;
4. **Provide**
   Database Name: Database SID

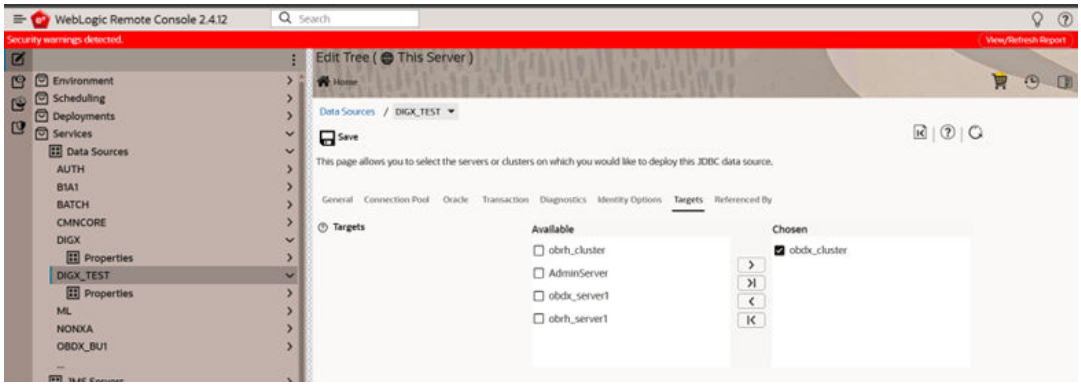
   Host Name: Database hostname

   Port: Database port Number

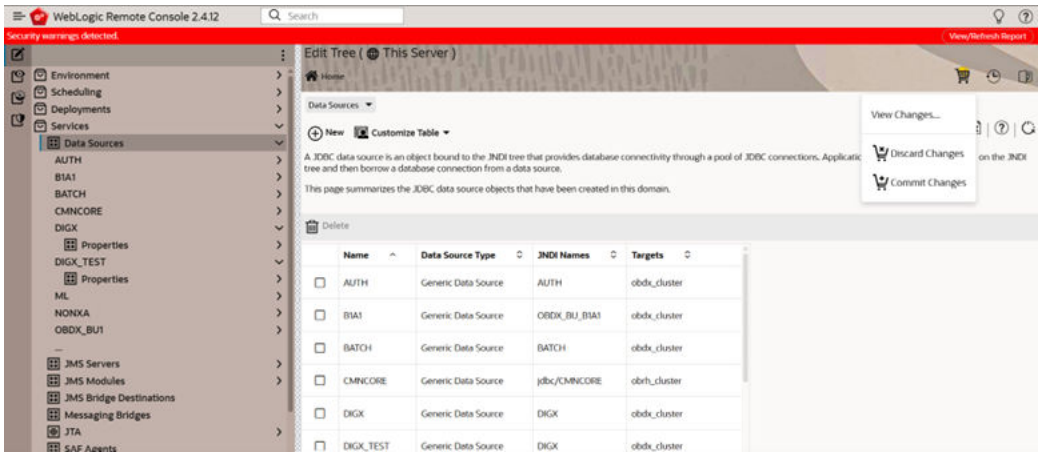
   Database user Name: `OBDX_${POST_FIX}`



5. Test Configuration.



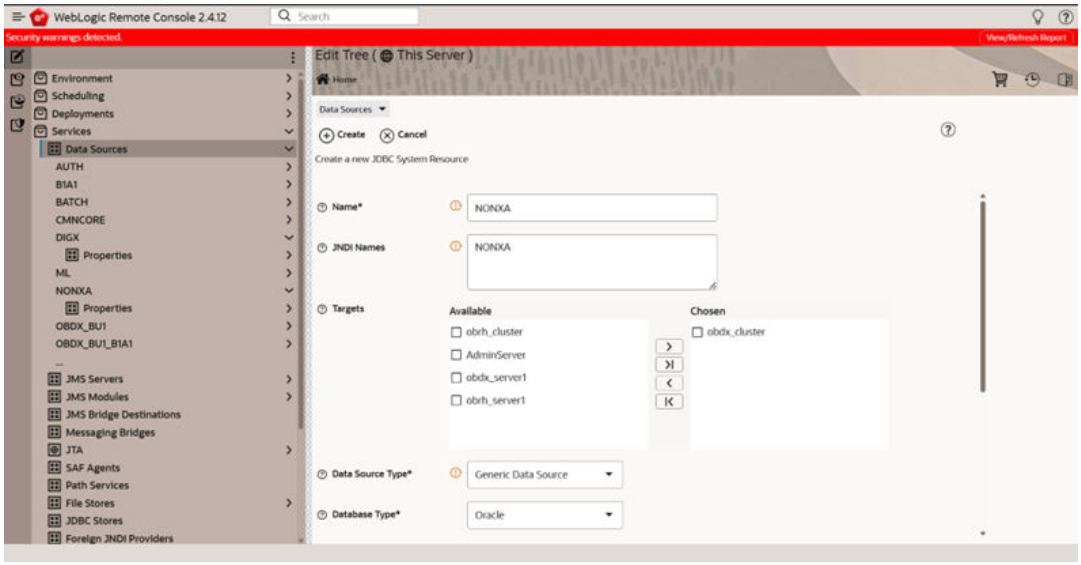
6. Target to cluster.
7. Commit changes.



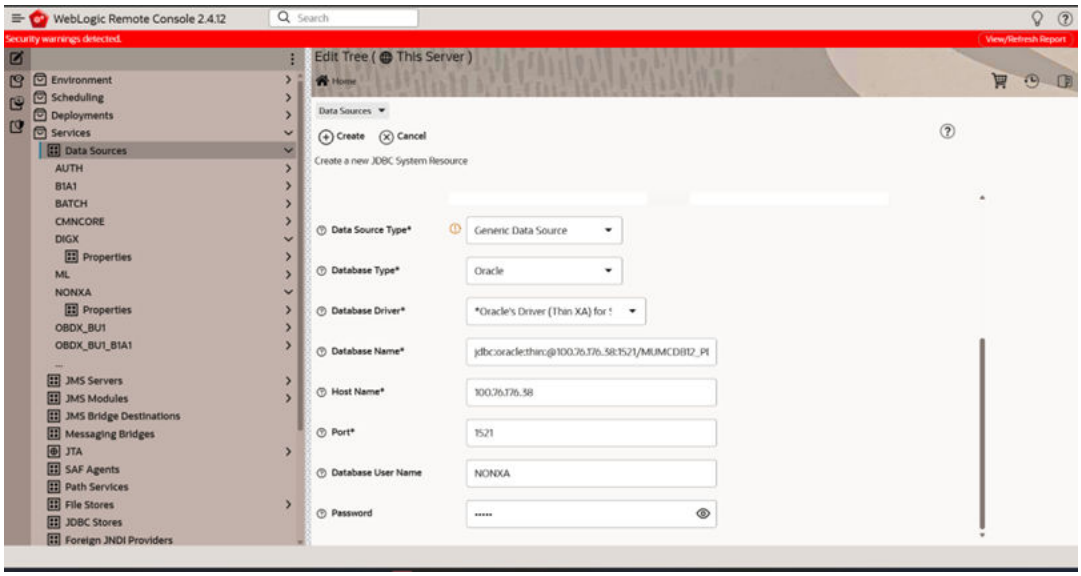
2.2 Creating NONXA Data Source

This topic describes the systematic instruction to **Creating NONXA Data Source** option.

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



2. **Name :** `NONXA`
   JNDI Name : `NONXA`



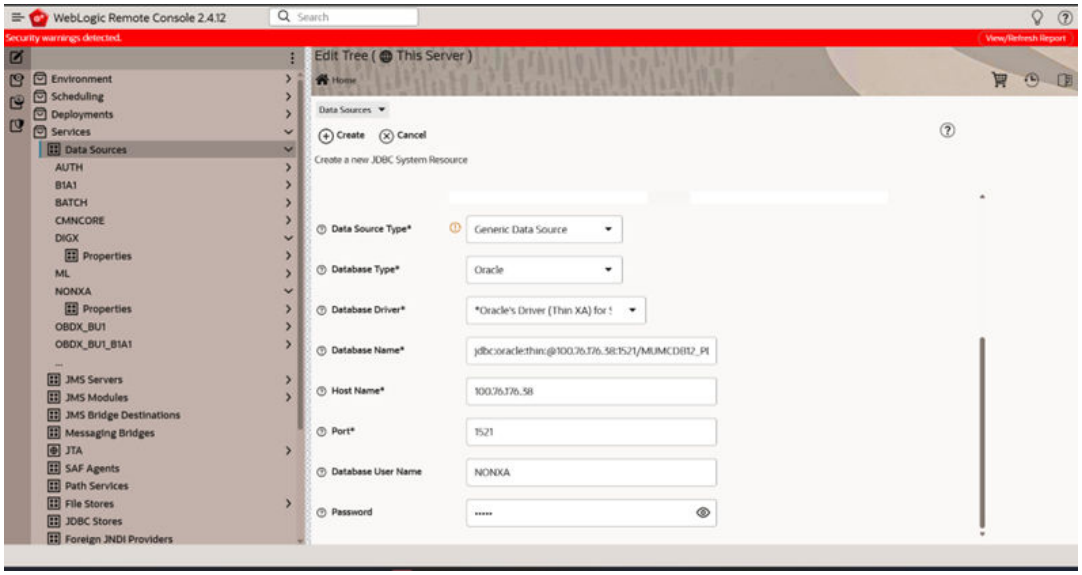
3. Click **Create**.
4. **Provide**
   Database Name: Database SID

   Host Name: Database hostname

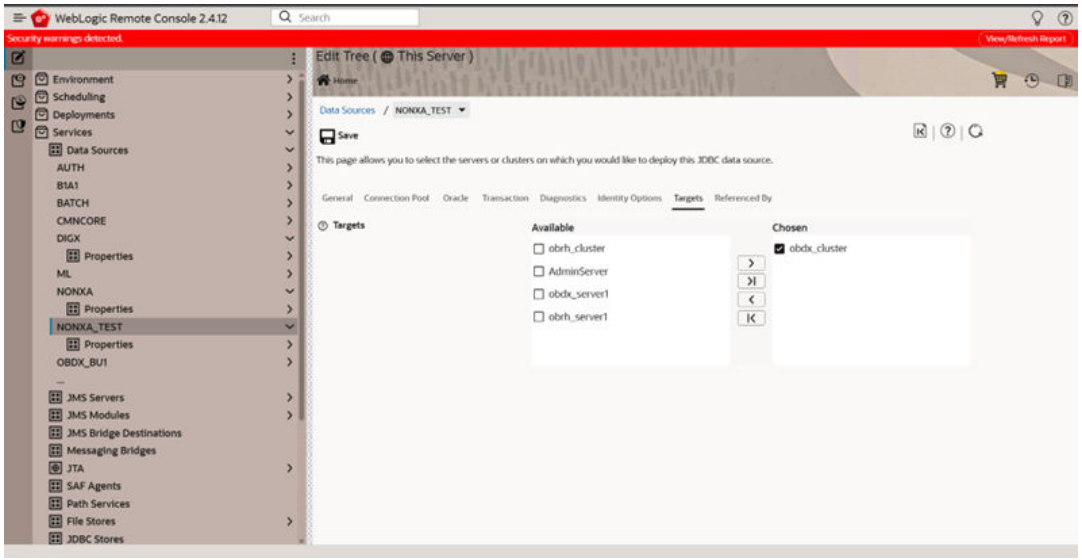
   Port: Database port Number

   Database user Name: `OBDX_${POST_FIX}`

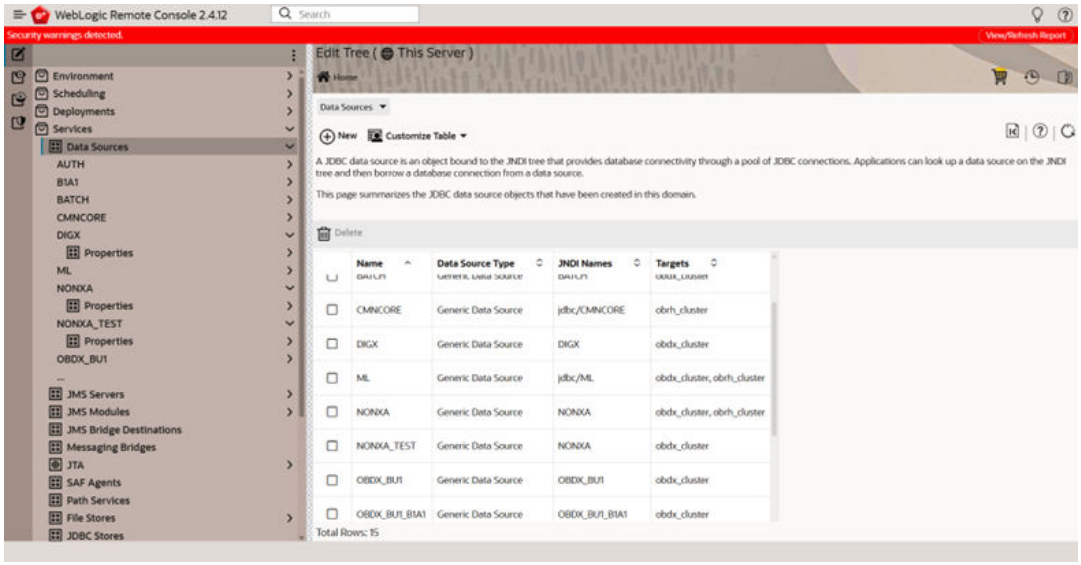
   Password: Database user password



5. Test Configuration.



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



2.3 Creating BATCH Data Source

This topic describes the systematic instruction to **Creating BATCH Data Source** option.

To create below datasources refer to screenshots given above.

Follow same steps as above to create BATCH datasource.

1. Navigate to Data Source → click **New** → Provide details and click **Finish**.
2. **Name :** BATCH
   JNDI Name : BATCH
3. Click **Create**.
4. **Provide**
   Database Name: Database SID

   Host Name: Database hostname

   Port: Database port Number

   Database user Name: `OBDX_${POST_FIX}`

   Password: Database user password
5. Test Configuration.
6. Select target as cluster and click **Finish**.

2.4 Creating SYSCONFIG Data Source

This topic describes the systematic instruction to **Creating SYSCONFIG Data Source** option.

Follow same steps as above to create SYSCONFIG datasource.

1. Navigate to Data Source → click **New** → Provide details and click **Finish**.
2. **Name :** SYSCONFIG
   JNDI Name : SYSCONFIG
3. Click **Create**.

4. **Provide**
   Database Name: Database SID

   Host Name: Database hostname

   Port: Database port Number

   Database user Name: `OBDX_${POST_FIX}`

   Password: Database user password
5. Test Configuration.
6. Select target as cluster and click **Finish**.

2.5 Creating B1A1 Data Source

This topic describes the systematic instruction to **Creating B1A1 Data Source** option.

Follow same steps as above to create B1A1 datasource.

1. Navigate to Data Source → click **New** → Provide details and click **Finish**.
2. **Name:** `B1A1`
   JNDI Name : `OBDX_BU_B1A1`
3. Click **Create**.
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 }`

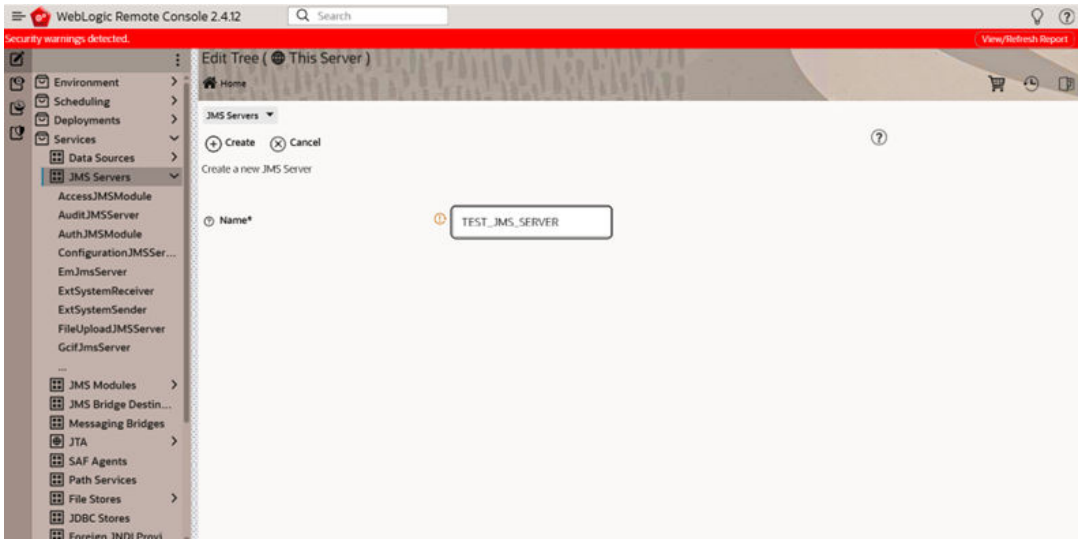
   Password: Database user `${ EHMS_SCHEMA_NAME }` password
5. Test Configuration.
6. Set target as cluster and click **Finish**.

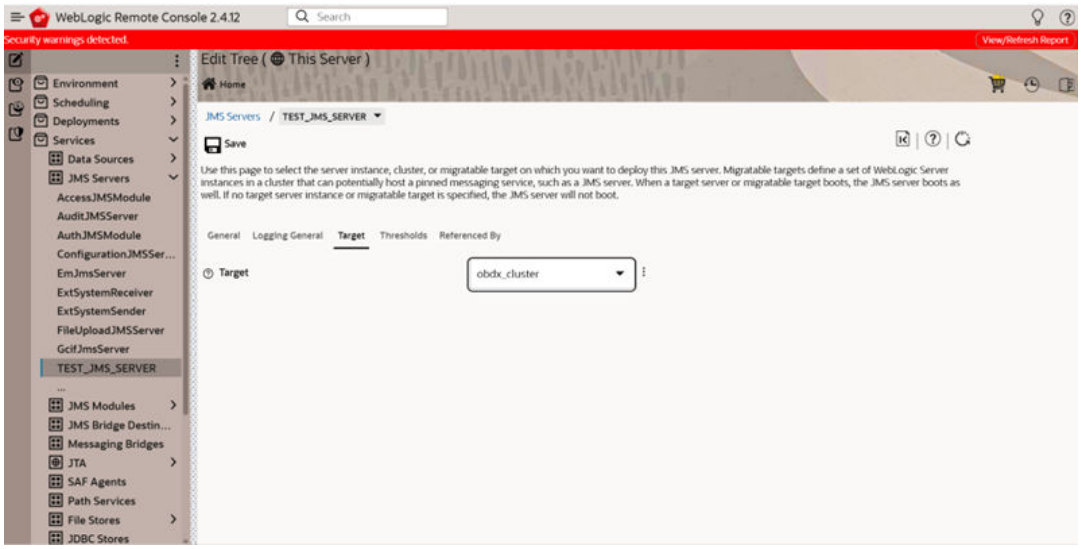
> **Note**
>
> Before starting with below step please verify if below mentioned JMS Servers and Modules are present, if not please refer to jms.xml file present in path - OBDX_Installer\installables\OBDX\<Installation type>\<version>/ config/xml/jms. Also please ignore the jms module and server names provided in below screenshot and only refer to names provided in jms.xml for JMS server and Modules creation.

2.6 Create JMS Server and JMS Module

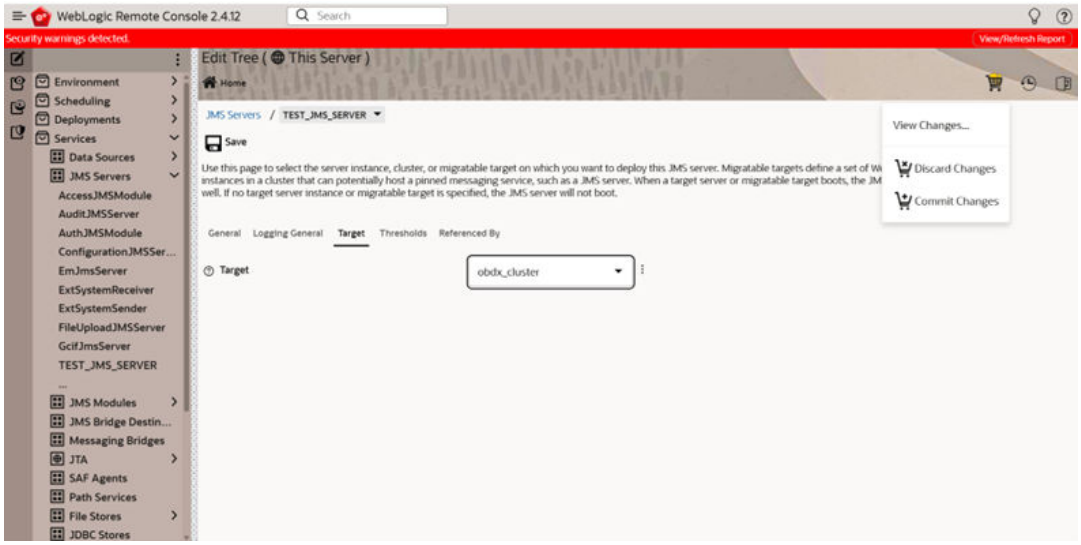
This topic describes the systematic instruction to **Create JMS Server and JMS Module** option.

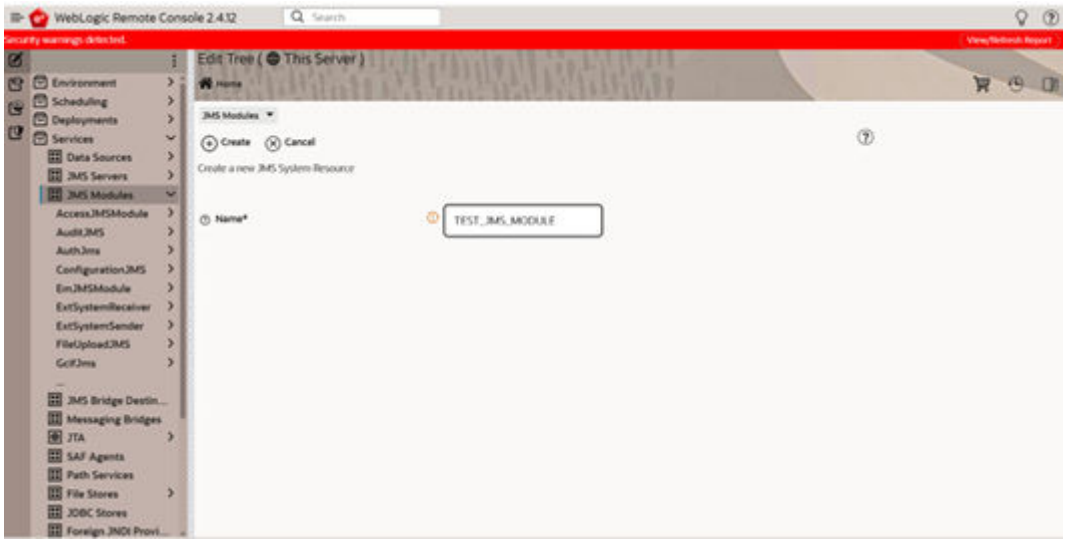
1. Below we have provided steps to create a TEST JMS server and TES JMS module, TEST Filestore, TEST Subdeployment etc.



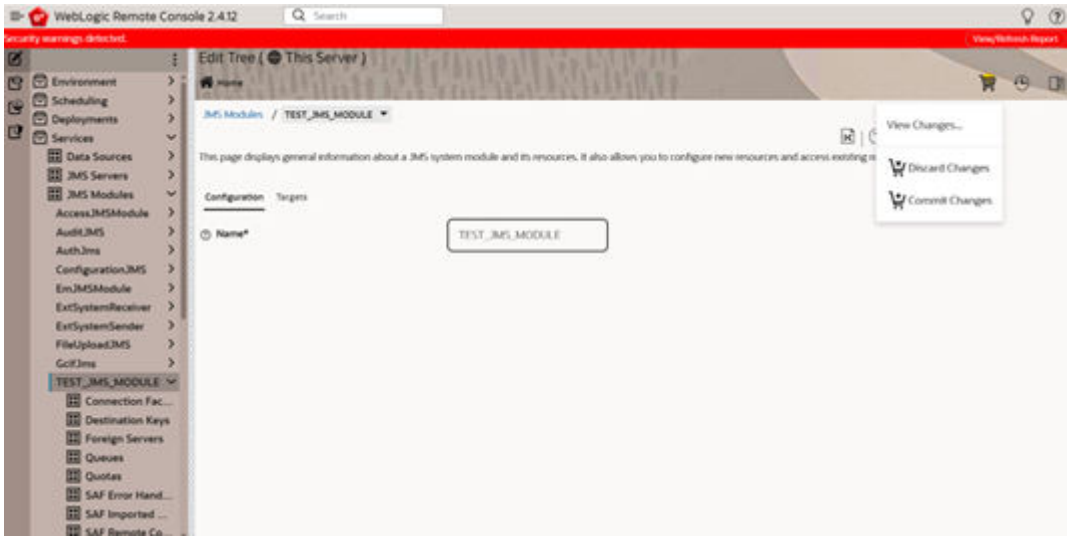


2. Click on JMS Servers → Name – FileUploadJMSServer → Click **Next**.

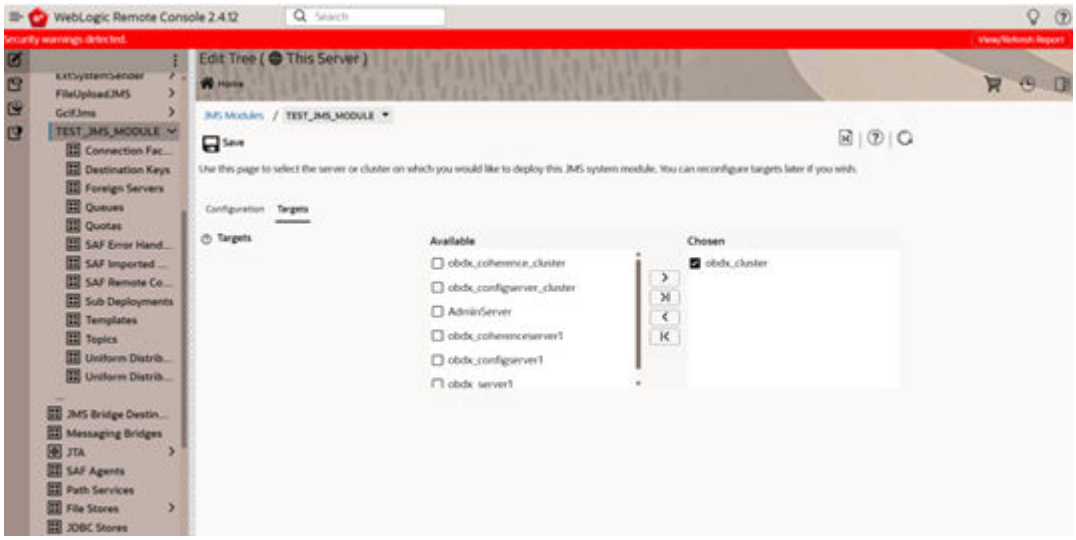




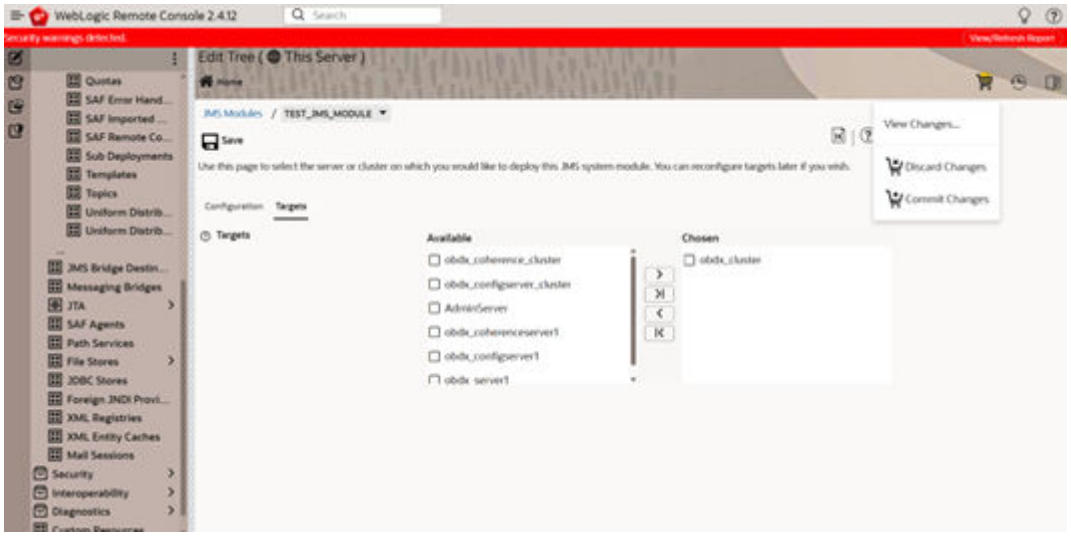
3. Select **Type** as **File Store** and click **Next**.



4. Select target as managed server and click **Finish**.



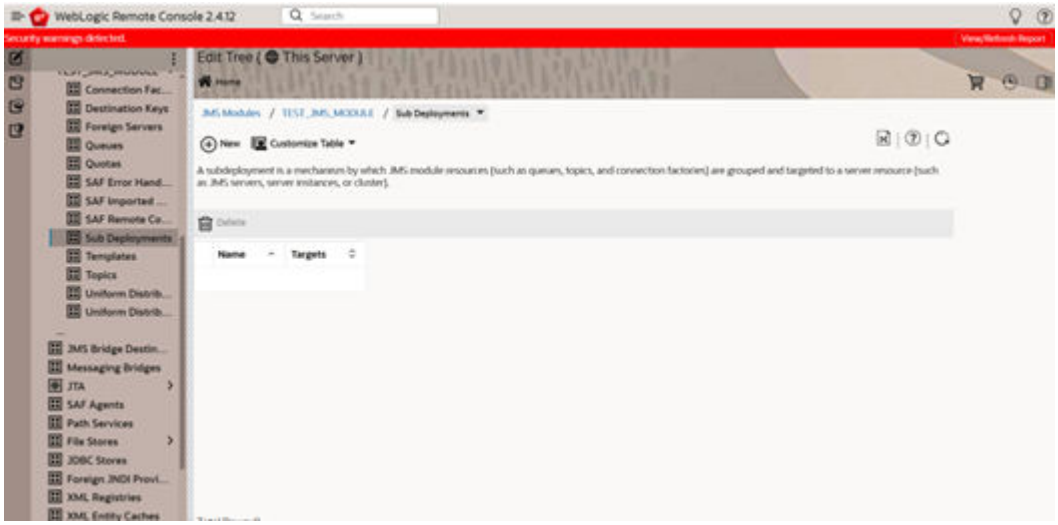
5. Left hand side click on JMS Module → click **New**.



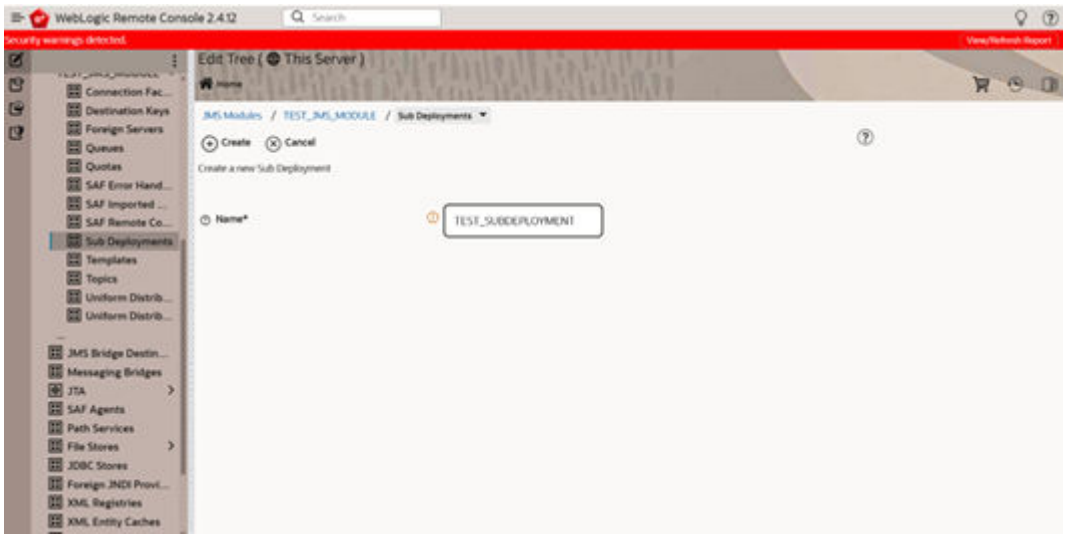
6. **Name :** `FileUploadJMS`
   Scope: Global

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

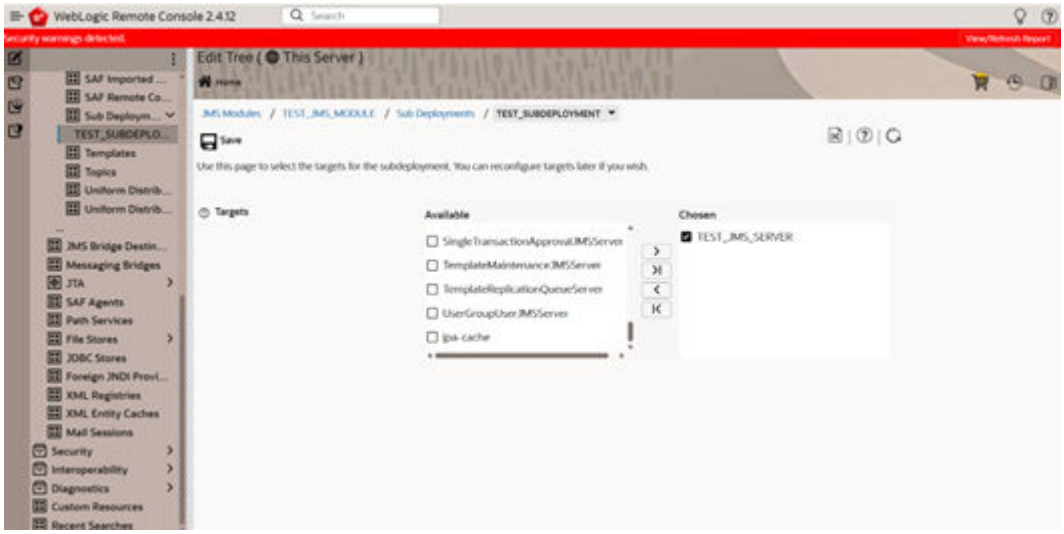
7. Click **Next**.



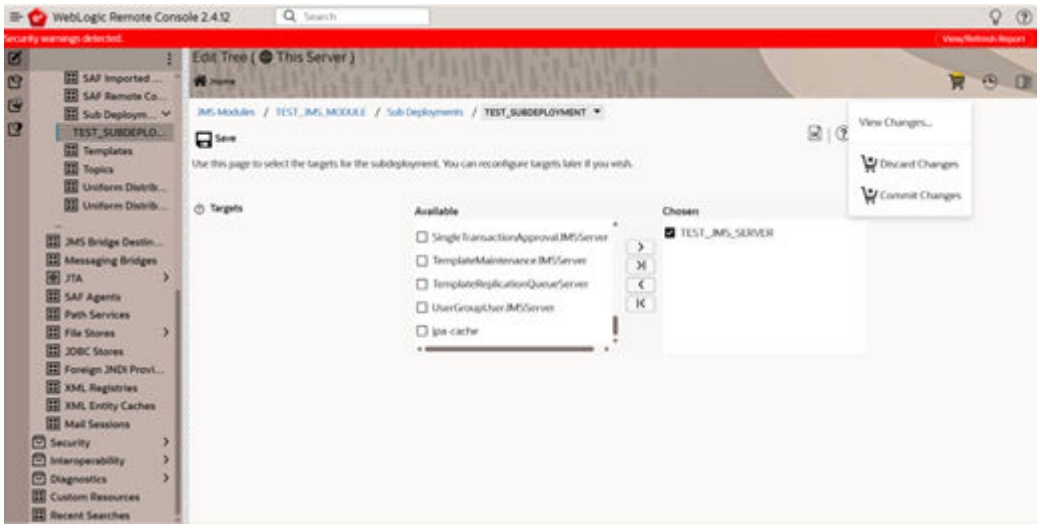
8. Set target as cluster → click **Next**.



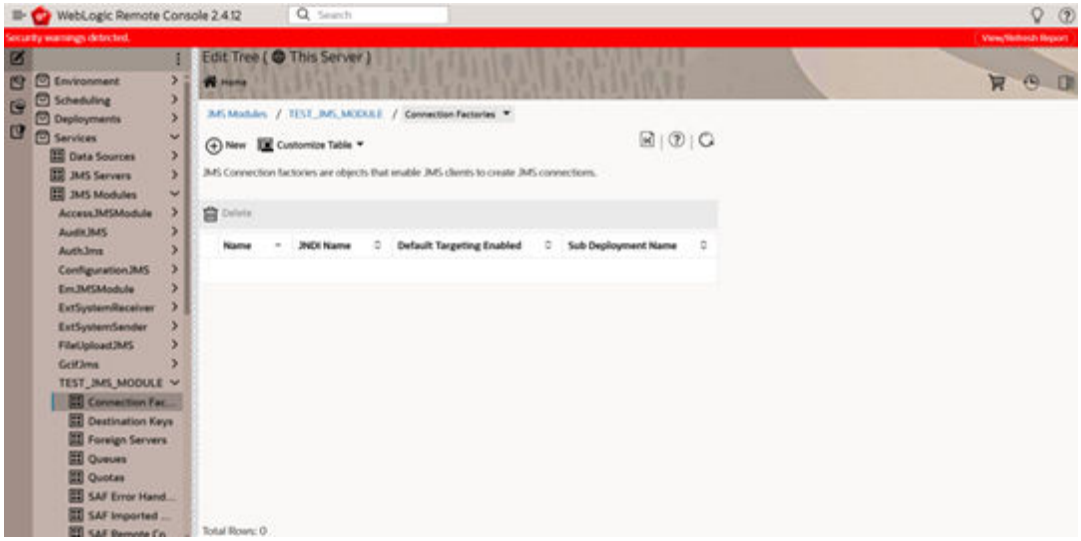
9. Select **Would you like to add resources to this JMS system** module and click **Finish**.



10. Select **New**.



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

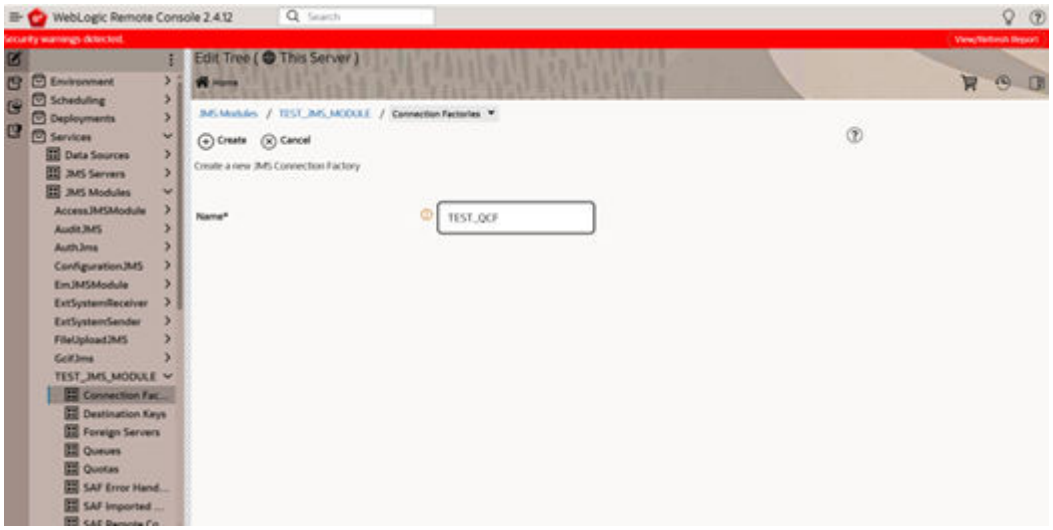


12. **Provide**
Name: PREPR0CESS

JNDI Name: PREPR0CESS

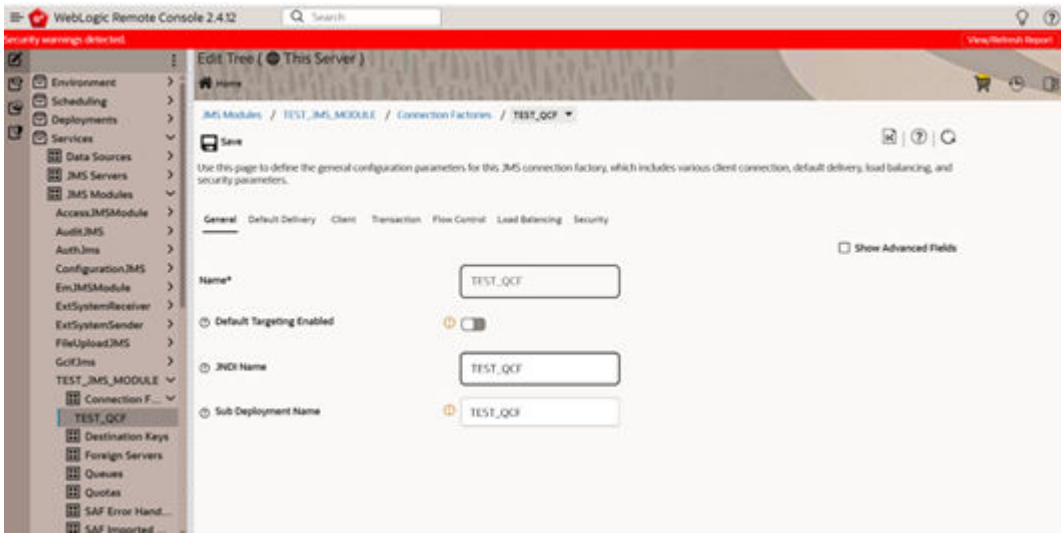
Destination Type: Uniform

Template: None

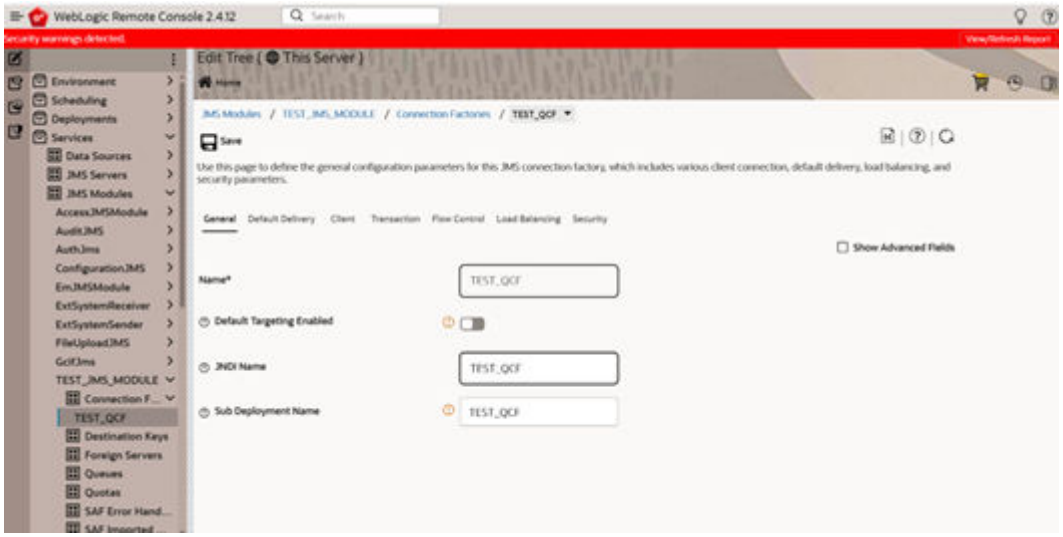


13. **Name :** `WLS_JMS_FILEUPLOAD_PS`
Scope : Global

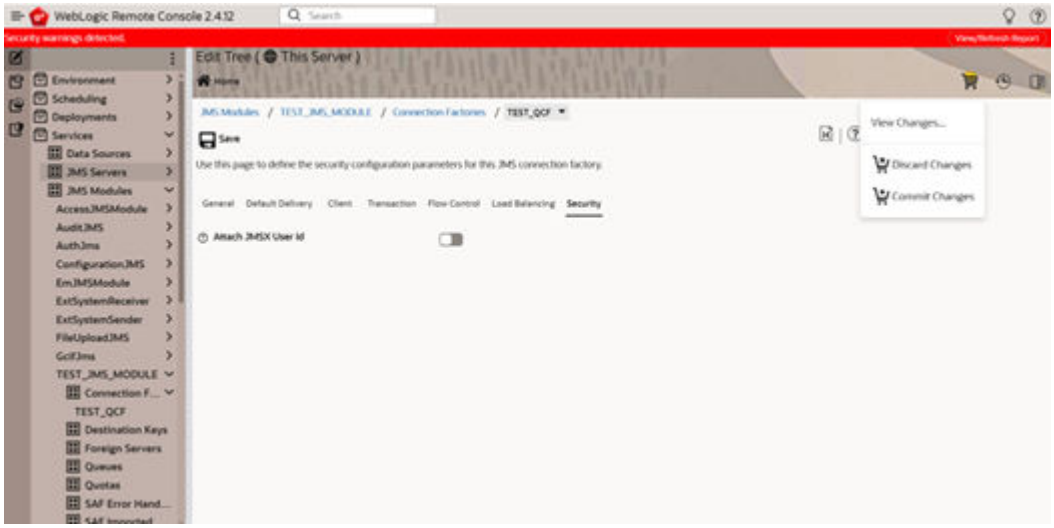
Directory : `/tmp/WLS_JMS_FILEUPLOAD_PS`



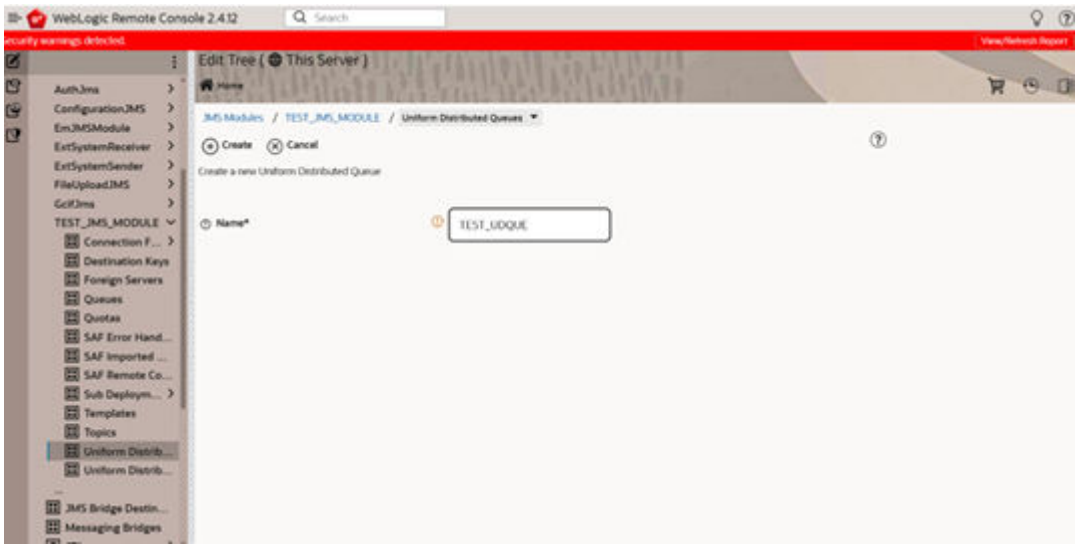
14. Select target as managed server.



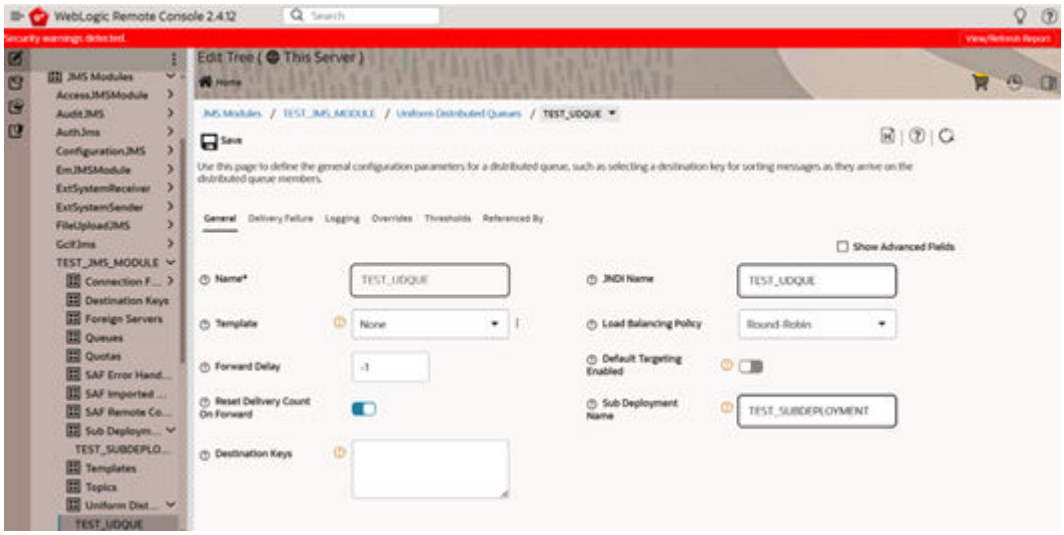
15. Select `WLS_JMS_FILEUPLOAD_PS` and click **Next**.
16. Select **Create a New Subdeployeny** and create **FileUploadSD**.



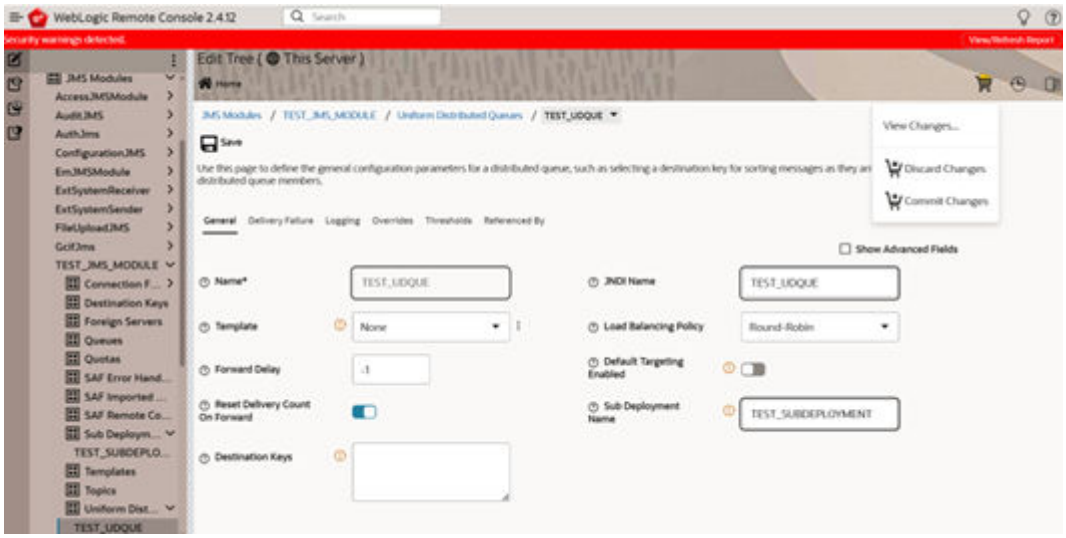
17. Select **FileUploadJMSServer** and click **Finish**.



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



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

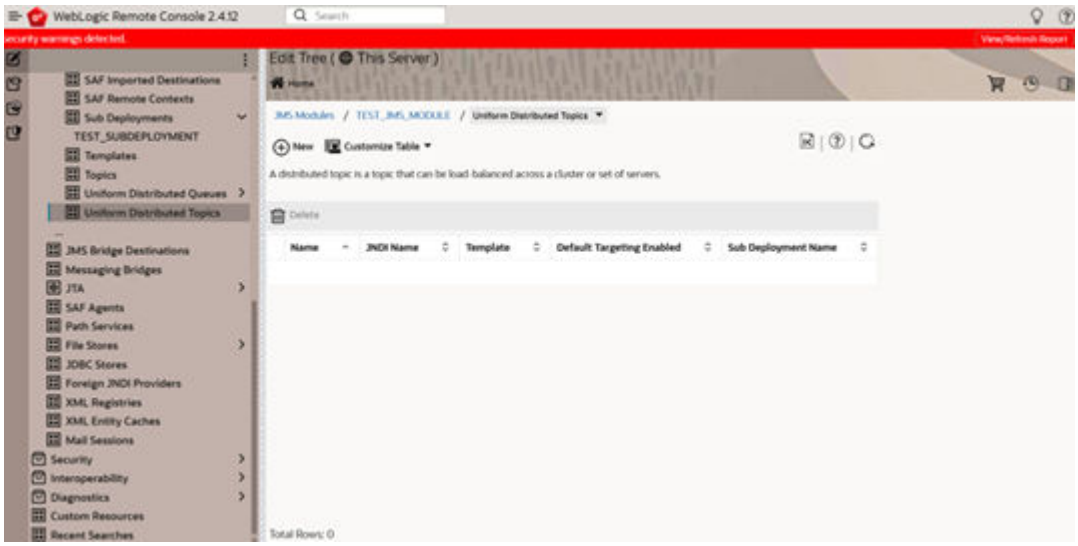


20. **Provide**
Name : OCF

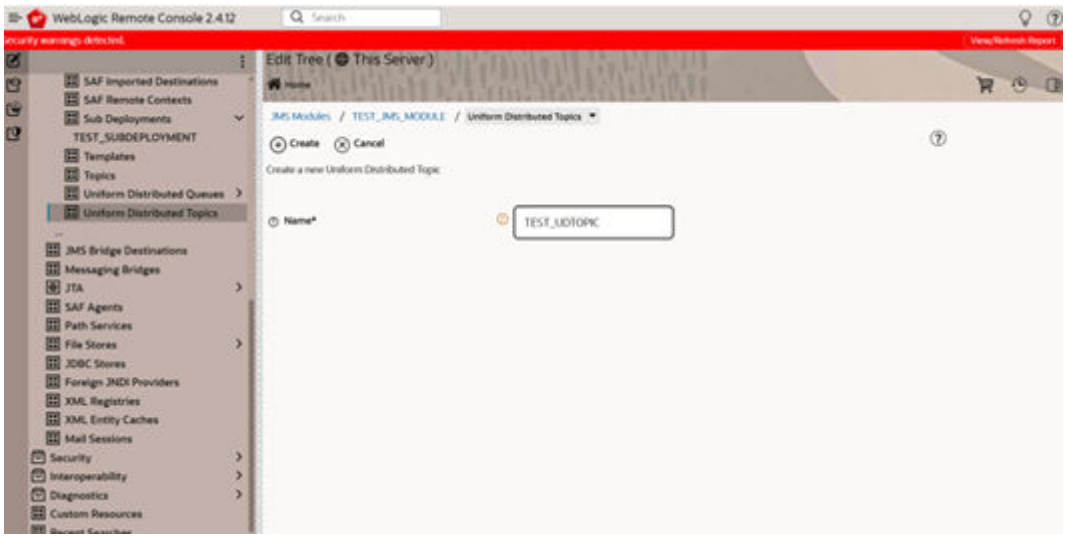
JNDI Name : OCF

Subscription Sharing Policy : Exclusive

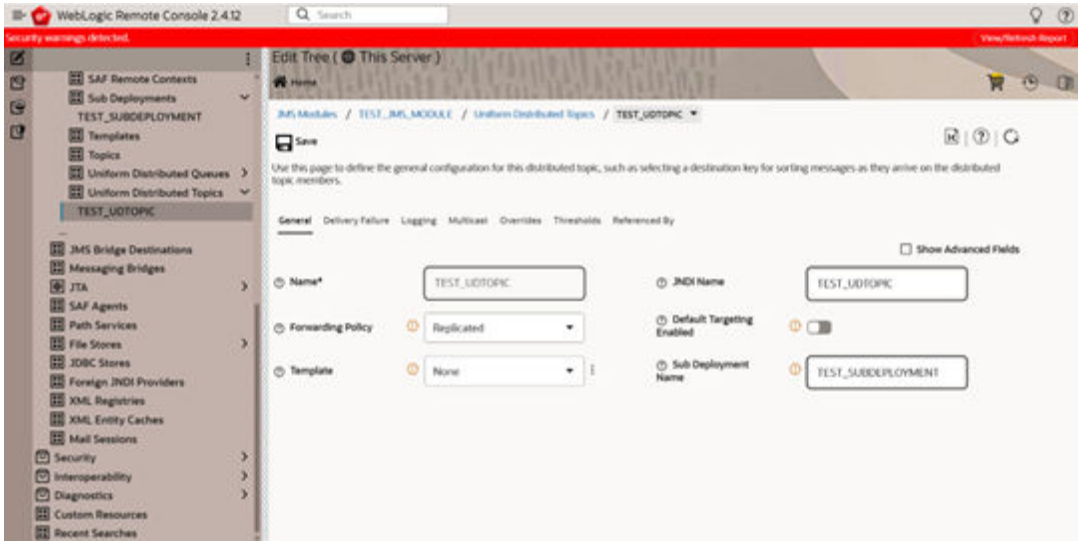
Client ID Policy : Restricted



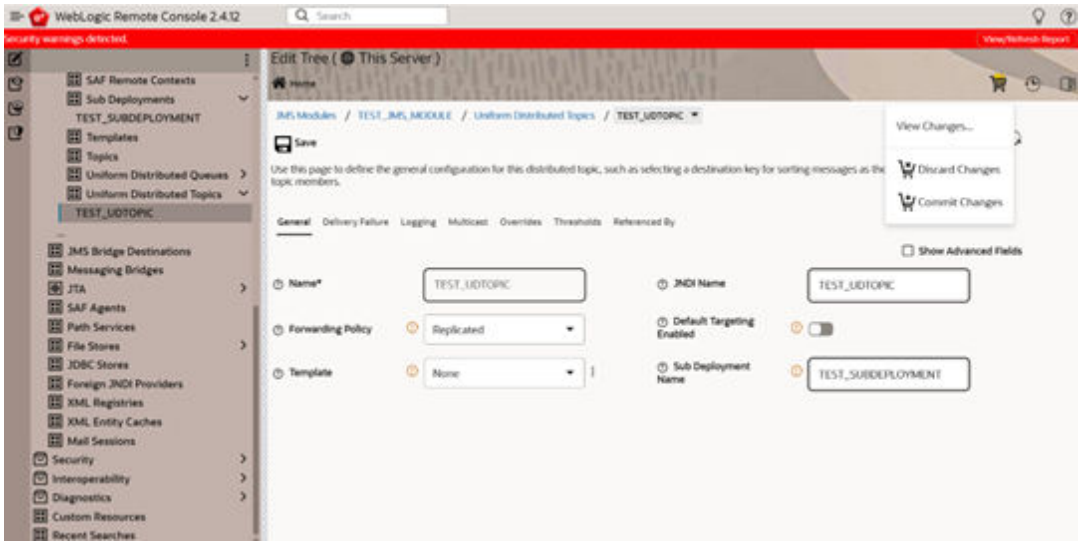
21. Click on Advanced targeting.



22. Select cluster and click **Finish**.



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



24. Select Distributed Queue.

3
Deploying Applications

This topic provides information on **Deploying Applications**.

Deployment of Lib and Wars

```
Wars and Libs which are independent are present in path-
        OBDX_Installer\installables\OBDX\<Installation type>\<version>/
        app/components/commonWars that are created on runtime will be
available in
        path- OBDX_Installer/ OBDX_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.

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Configured jps-config.xml

This topic provides information on **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"/>
   ```

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