

Oracle® Banking Digital Experience

Installation Guide-Non-Linux Platforms



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ORACLE®

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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.
<i>italic</i>	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

Database OBDX Installation

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

OBDX Database Installation with OBPM FLAVOR

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

Create User

create_user with obdx_create_user.sql

Create Role and Grants

create_roles with obdx_create_role.sql

create_grants using clip_user_grants.sql

Run "clip_master_script_main.sql" (DDL)

Run "clip_constraints_main.sql"

Seed execution "clip_seeds_executable_main.sql"

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.

- [Policy Seeding](#)
This topic provides information on **Policy Seeding**.
- [Superadmin User Creation](#)
This topic provides information on superadmin user creation

1.1 Policy Seeding

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

```
TEMP_PATH=Temporary 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

```

Note

Please note that the policy execution has not been tested on Windows machines. We recommend running the policy seeding on any available Linux machine.

1.2 Superadmin User Creation

This topic provides information on superadmin user creation

To create a superadmin user, please execute the USERS.sql file located at seed/oracle/dbAuthenticator/USERS.sql, making sure to update the username and password within the SQL file as needed.

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.

Note

For information on setting up and accessing the Weblogic console, please refer to the Weblogic documentation, which is available online.

<https://docs.oracle.com/en/middleware/fusion-middleware/weblogic-server/14.1.2/index.html>

Note

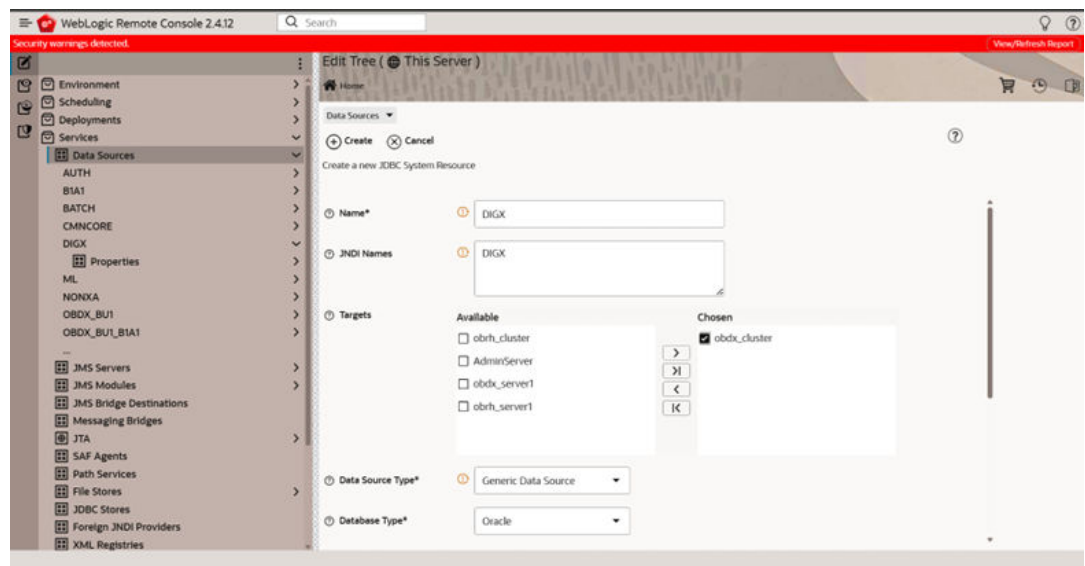
The names shown in the screenshots are only for illustrative purposes.

- [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.

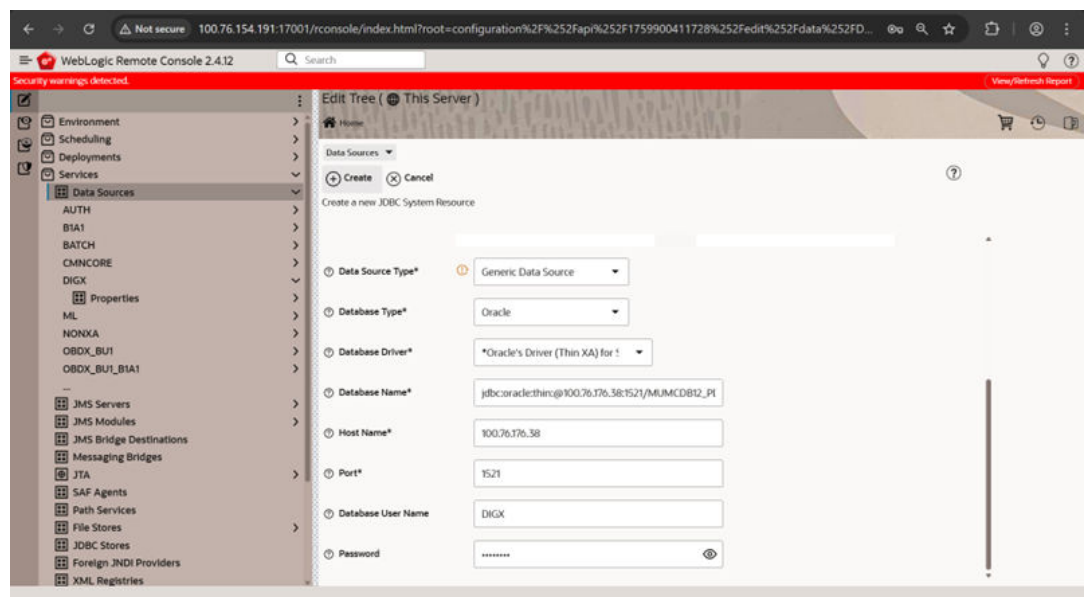
2.1 Creating DIGX Data Source

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

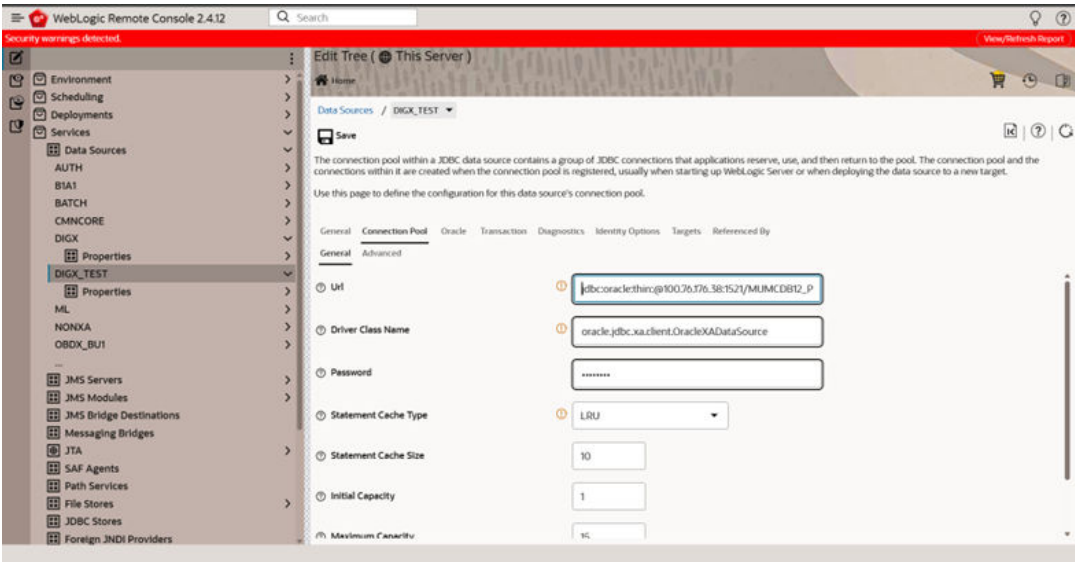
1. Navigate to Data Source → click **New** → Provide details and click **Finish**.



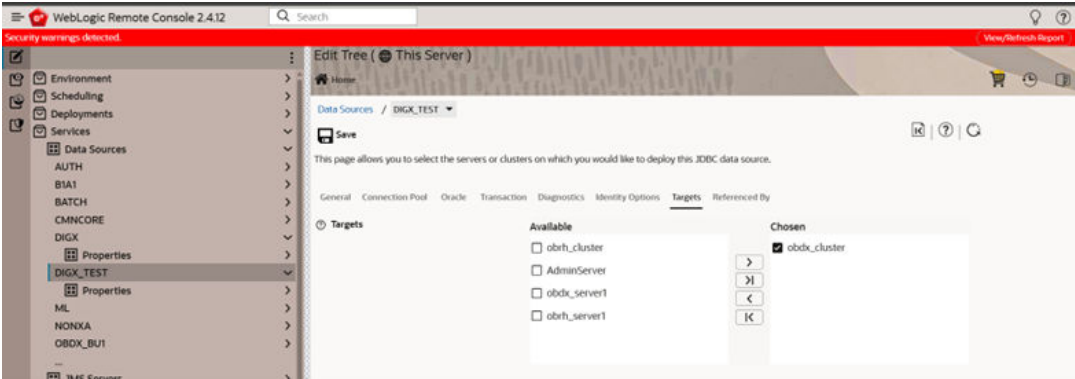
2. **Name:** DIGX
JNDI Name: DIGX



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}

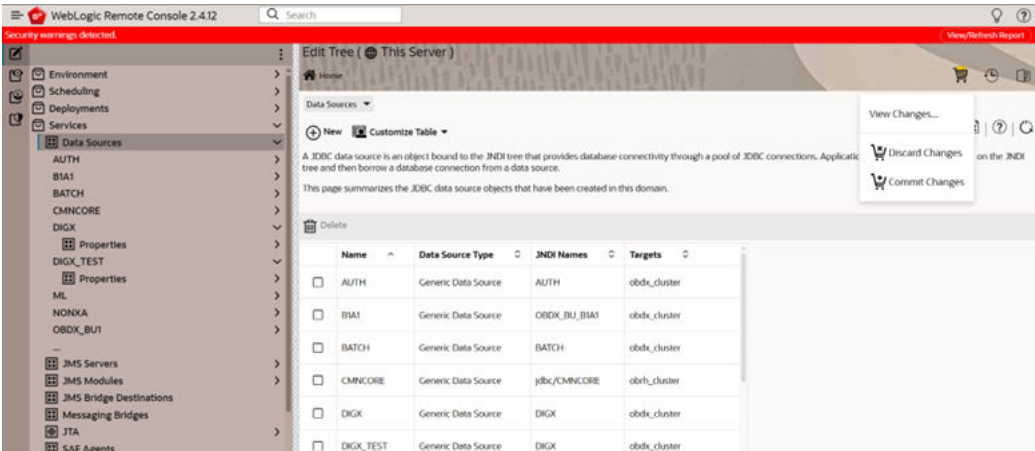


5. Test Configuration.



6. Target to cluster.

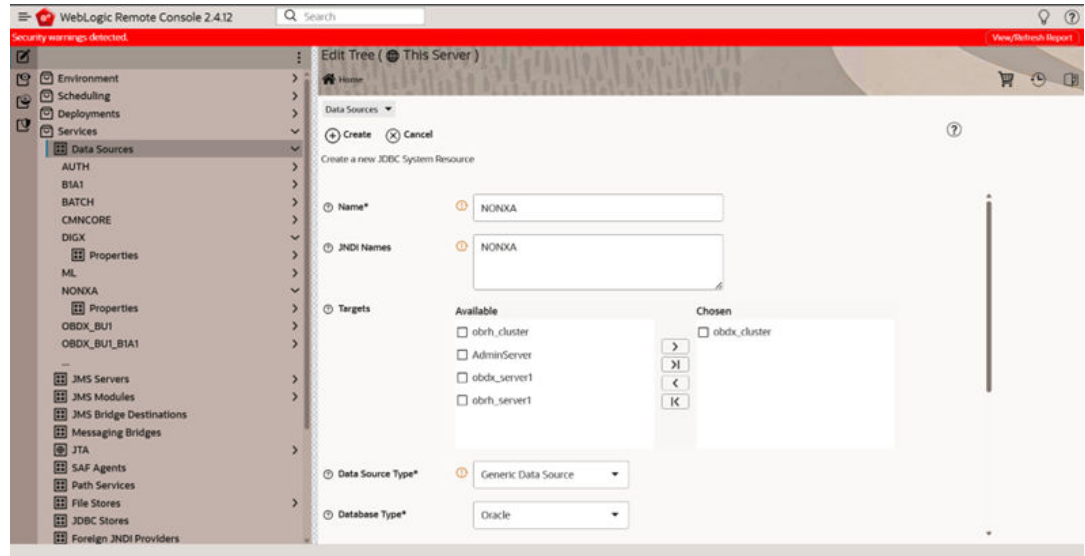
7. Commit changes.



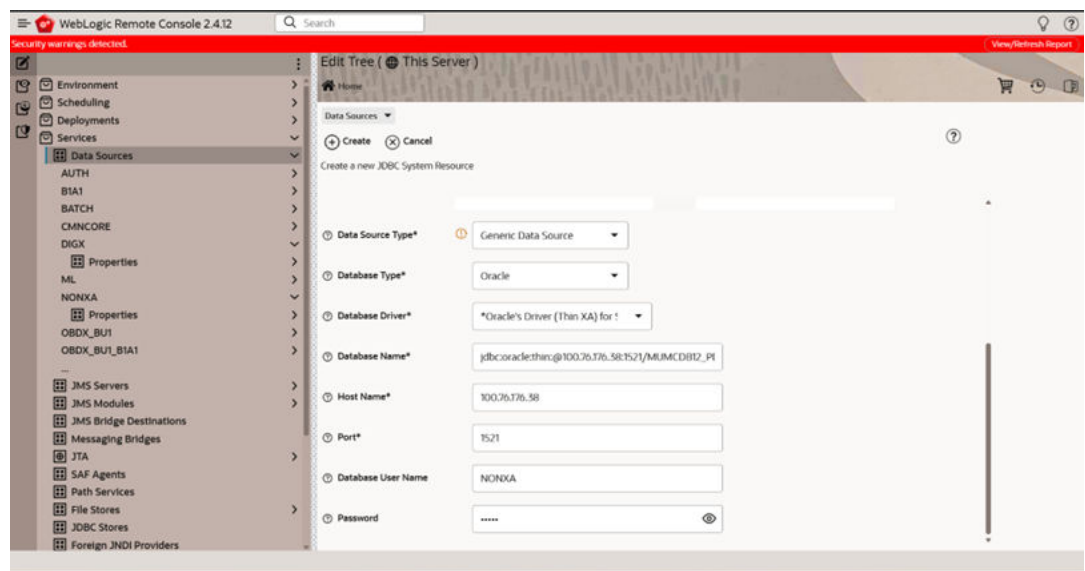
2.2 Creating NONXA Data Source

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

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



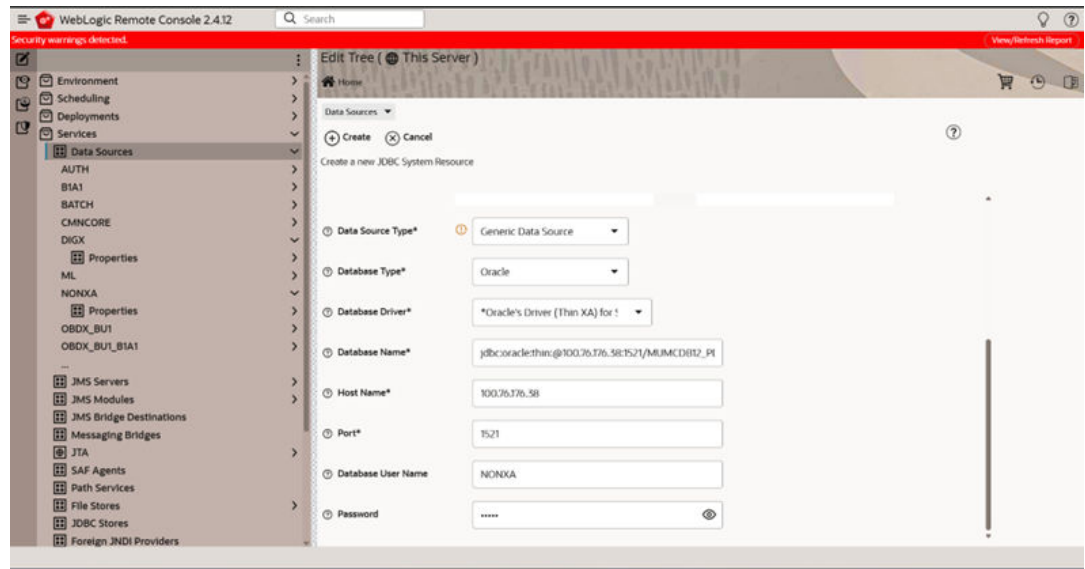
2. **Name** : NONXA
JNDI Name : NONXA



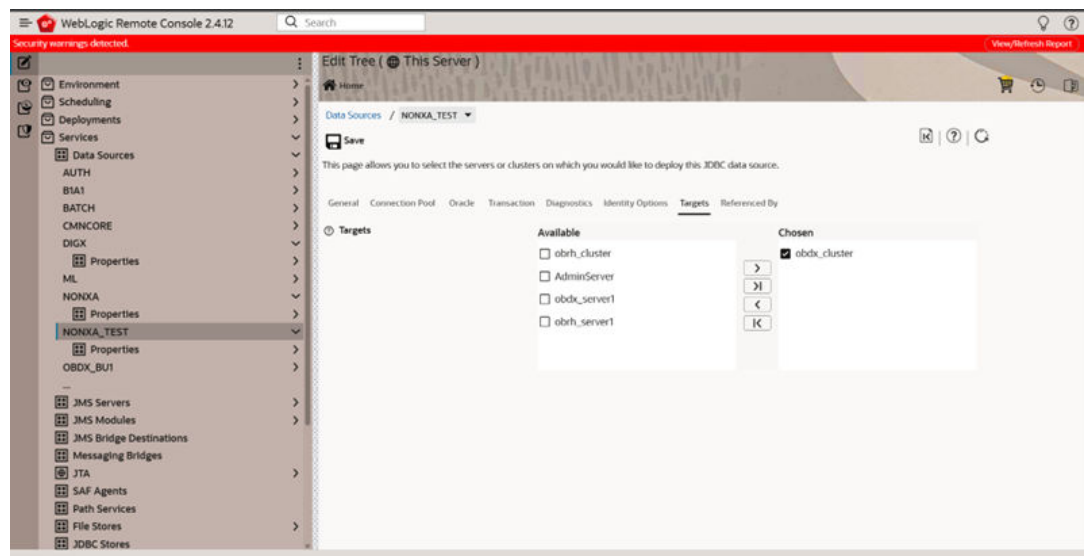
3. Click **Create**.
4. **Provide**
Database Name: Database SID
Host Name: Database hostname
Port: Database port Number

Database user Name: OBDX_\${POST_FIX}

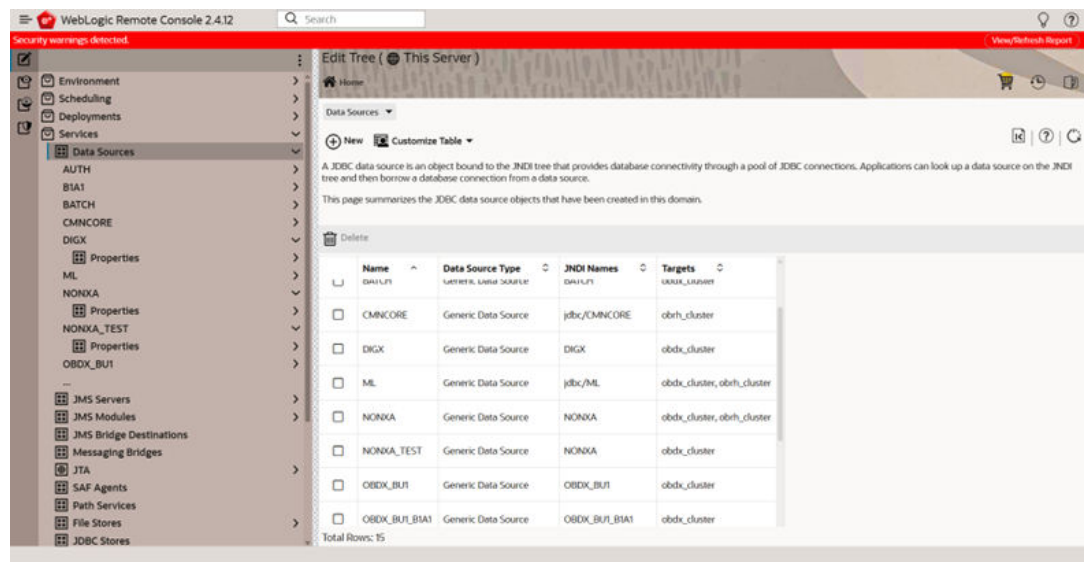
Password: Database user password



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**.

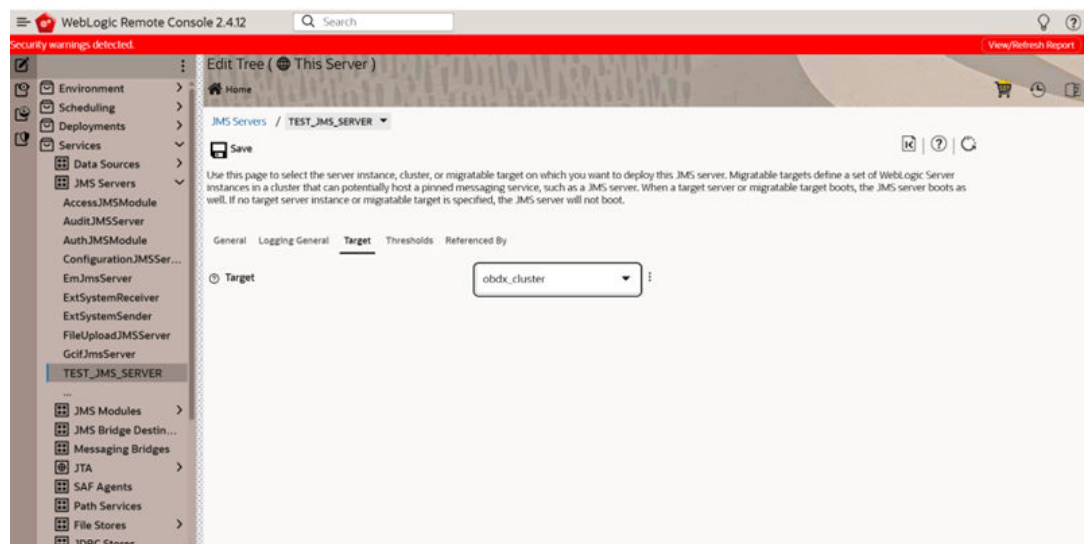
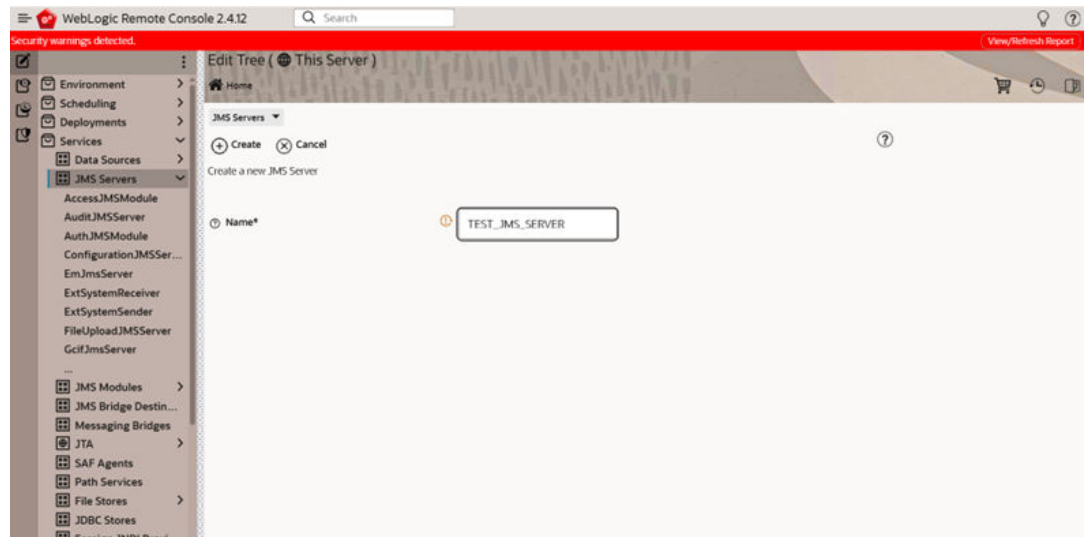
Note

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.

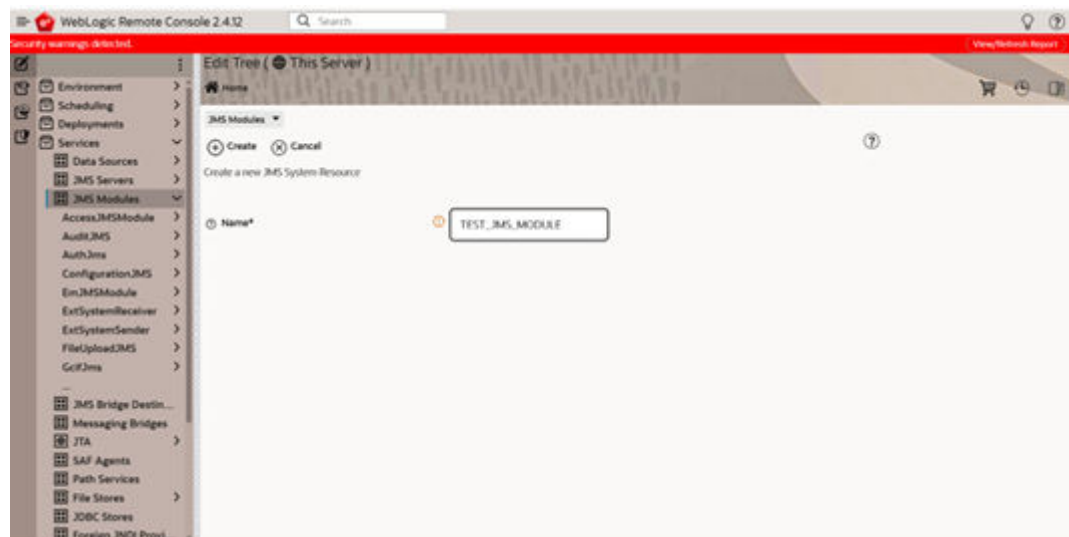
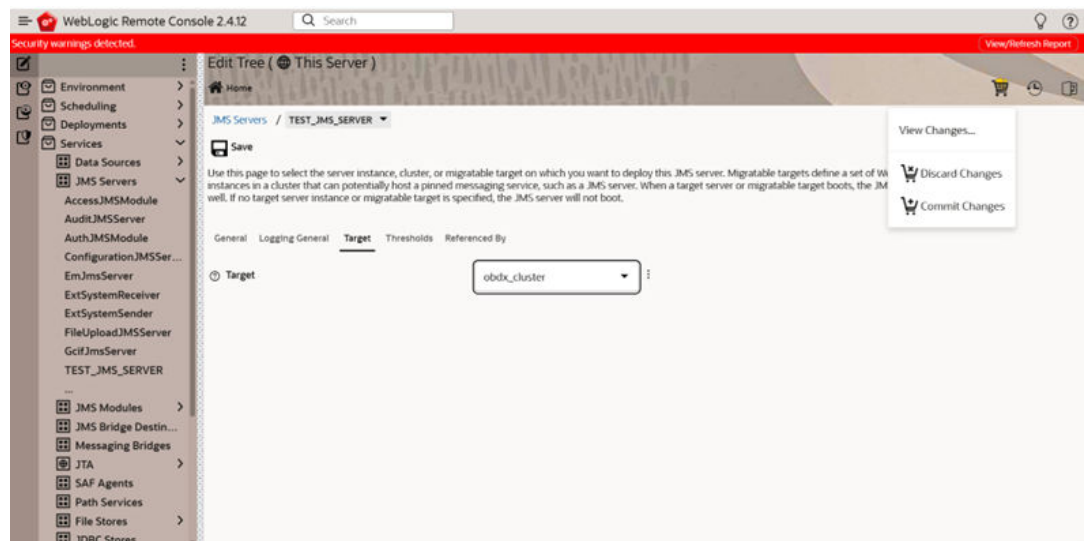
2.6 Create JMS Server and JMS Module

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

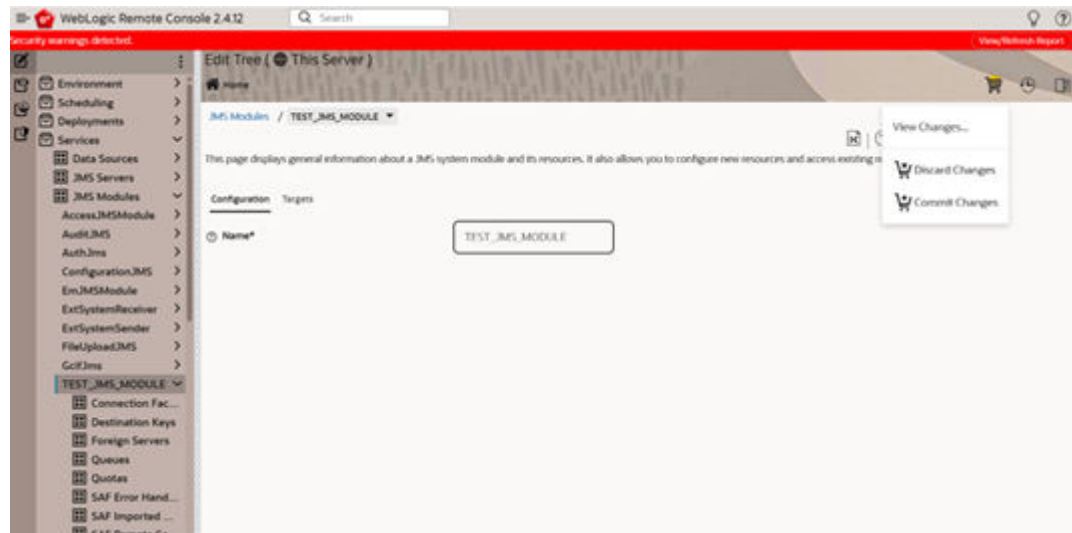
1. Below we have provided steps to create a TEST JMS server and TES JMS module, TEST Filestore, TEST Subdeployment etc.



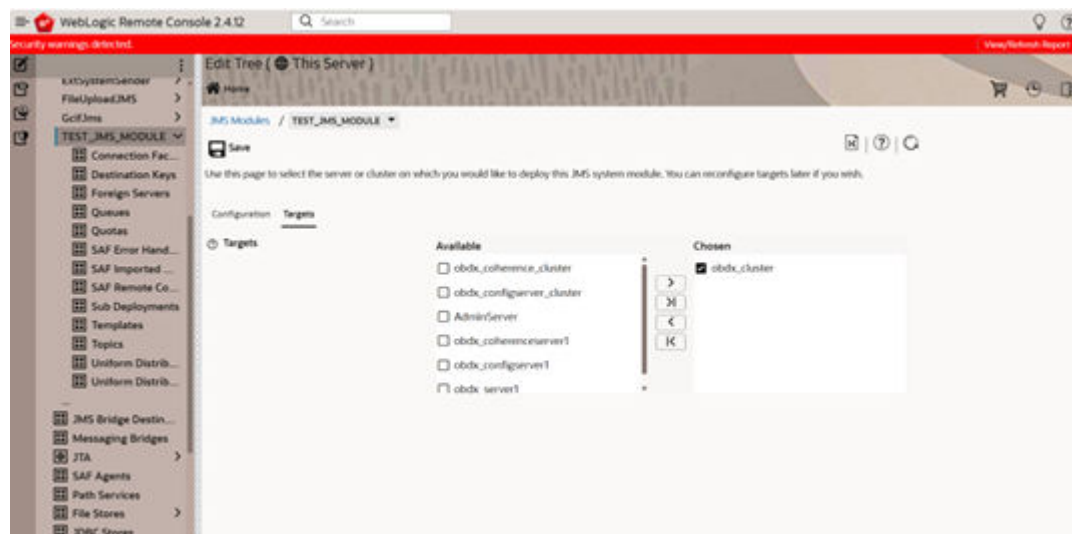
2. Click on JMS Servers → Name – FileUploadJMSServer → Click **Next**.



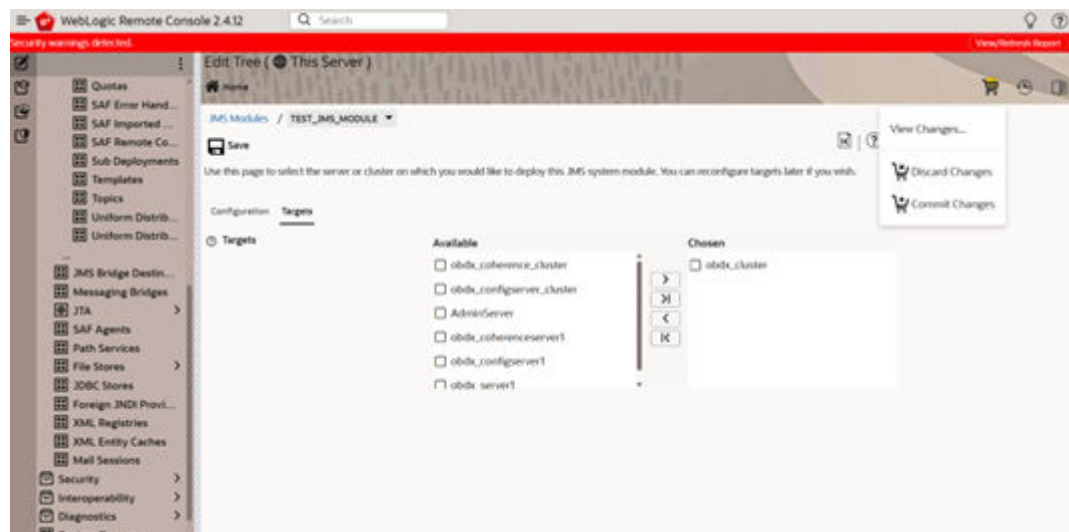
3. Select **Type** as **File Store** and click **Next**.



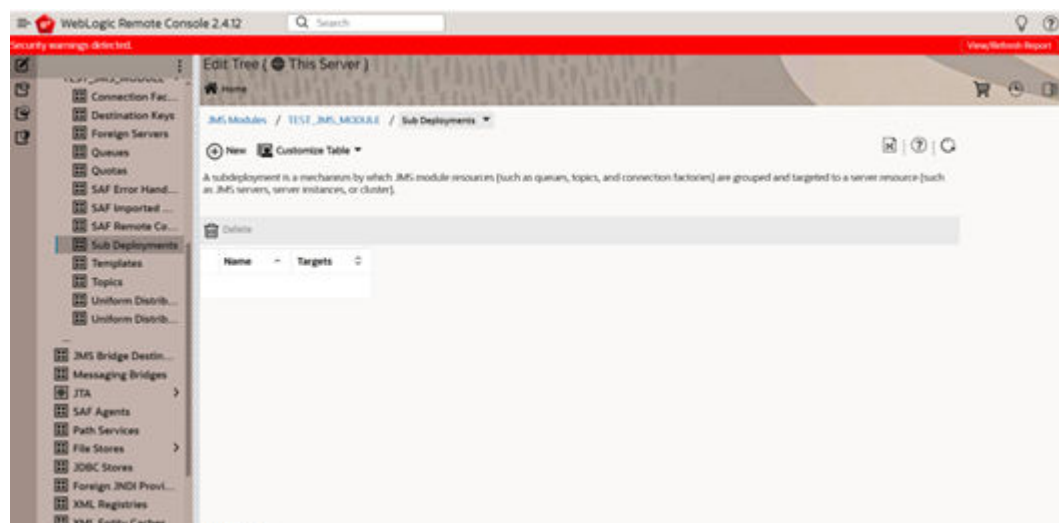
4. Select target as managed server and click **Finish**.



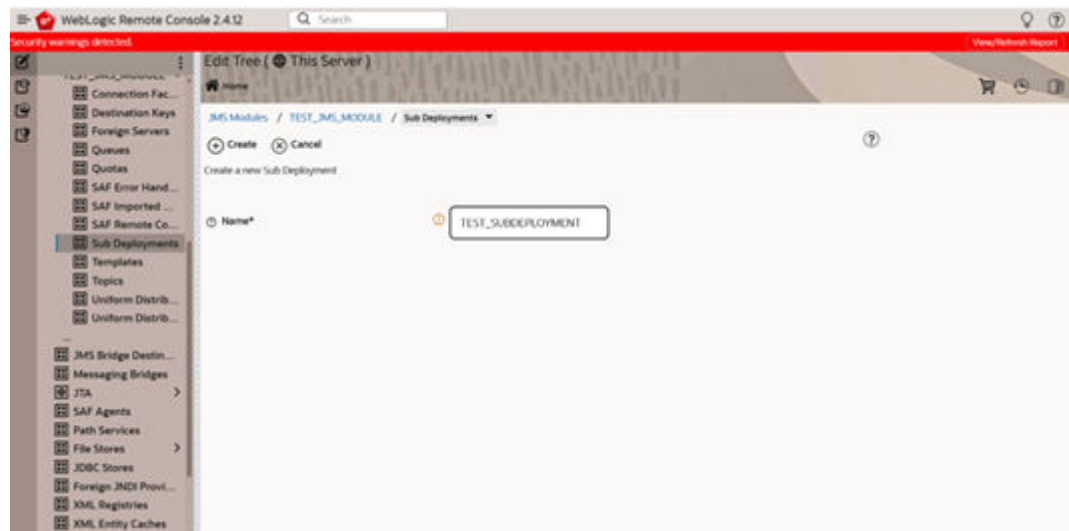
5. Left hand side click on JMS Module → click **New**.



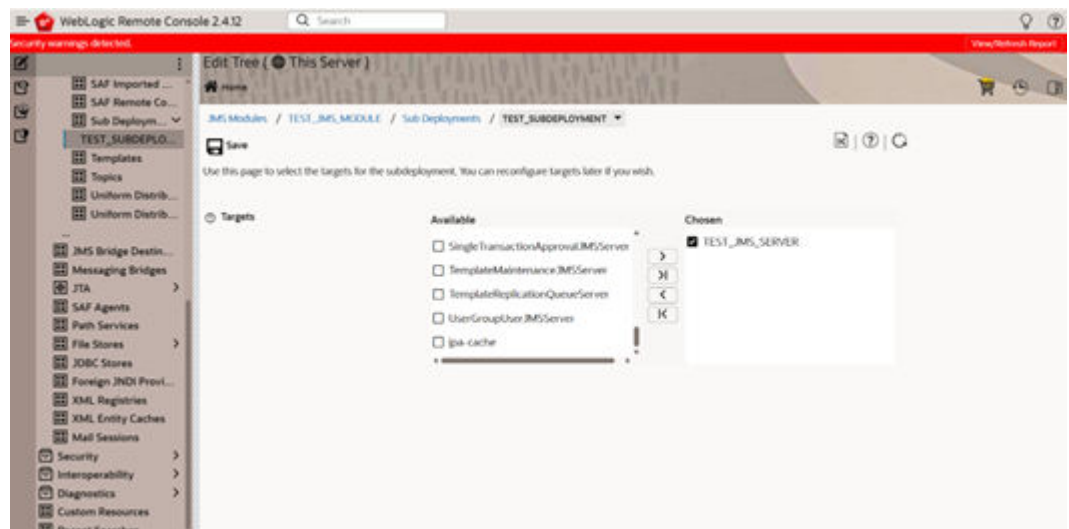
6. **Name :** FileUploadJMS
Scope: Global
Descriptor File Name: jms/fileuploadjms-jms.xml
7. Click **Next**.



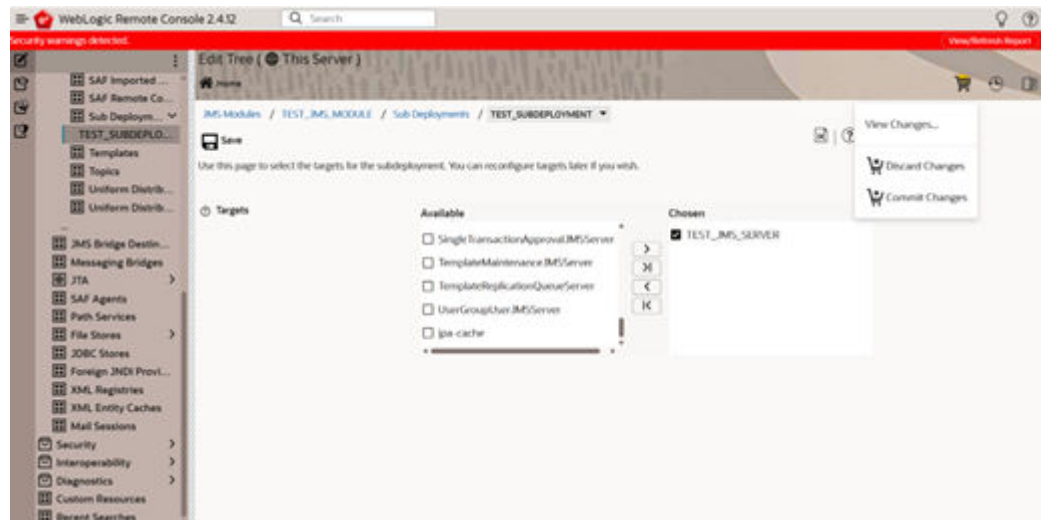
8. Set target as cluster → click **Next**.



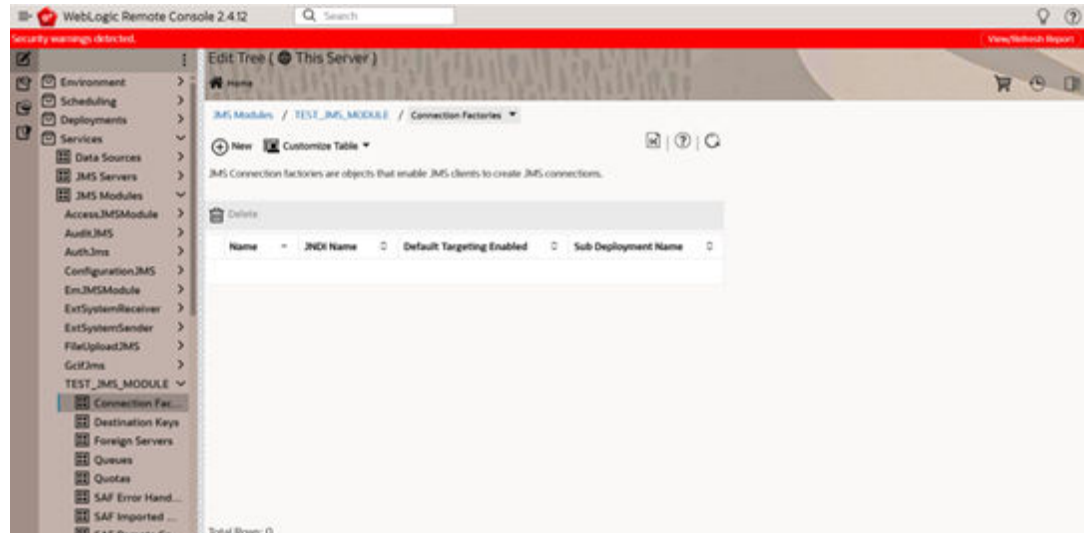
9. Select **Would you like to add resources to this JMS system module** and click **Finish**.



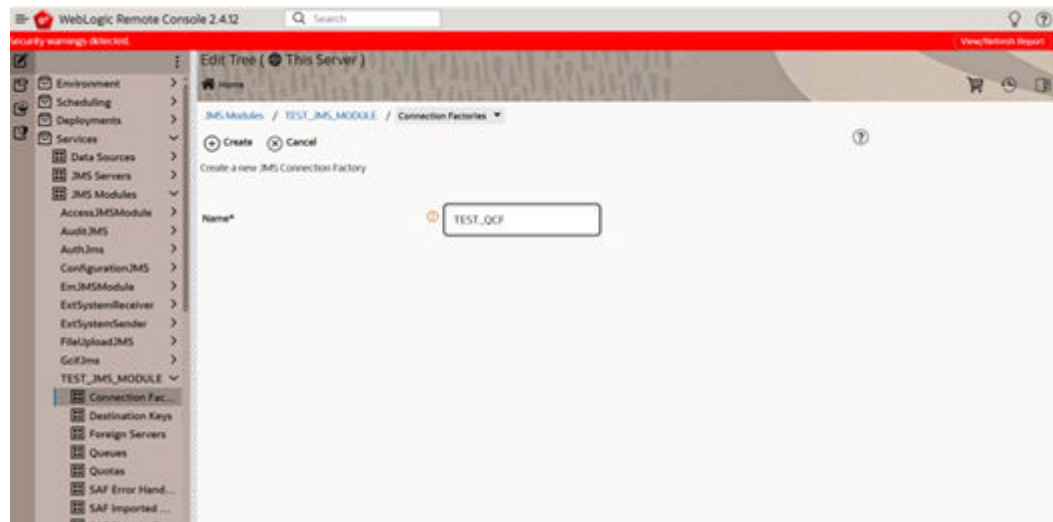
10. Select **New**.



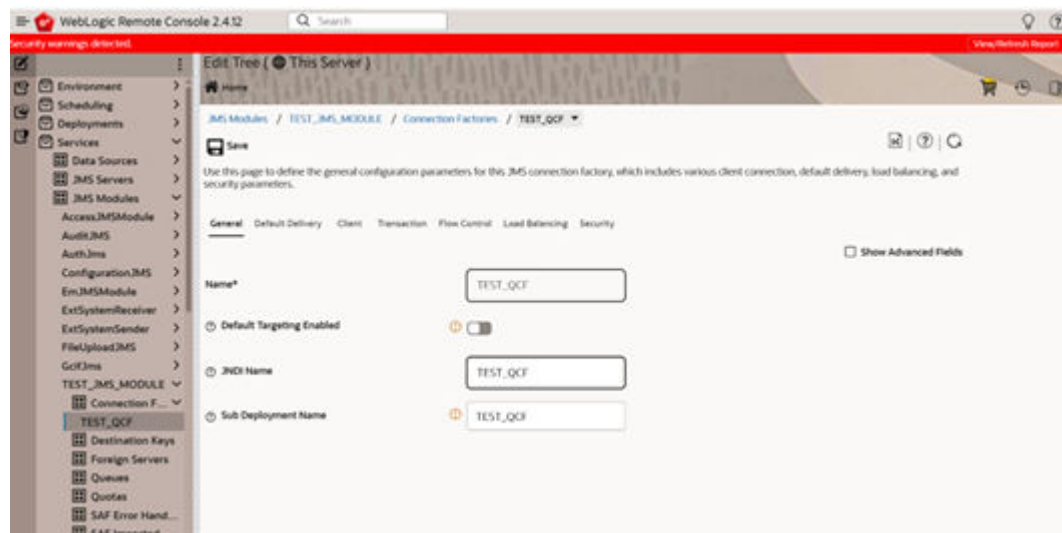
11. Select **Distributed Queue** and click **Next**.



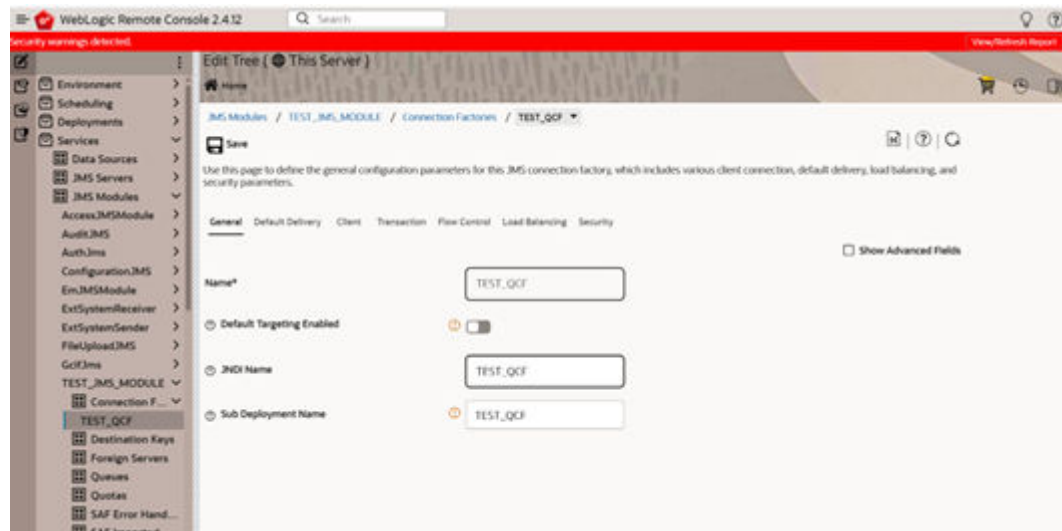
12. Provide
- Name:** PREPROCESS
 - JNDI Name:** PREPROCESS
 - Destination Type:** Uniform
 - Template:** None



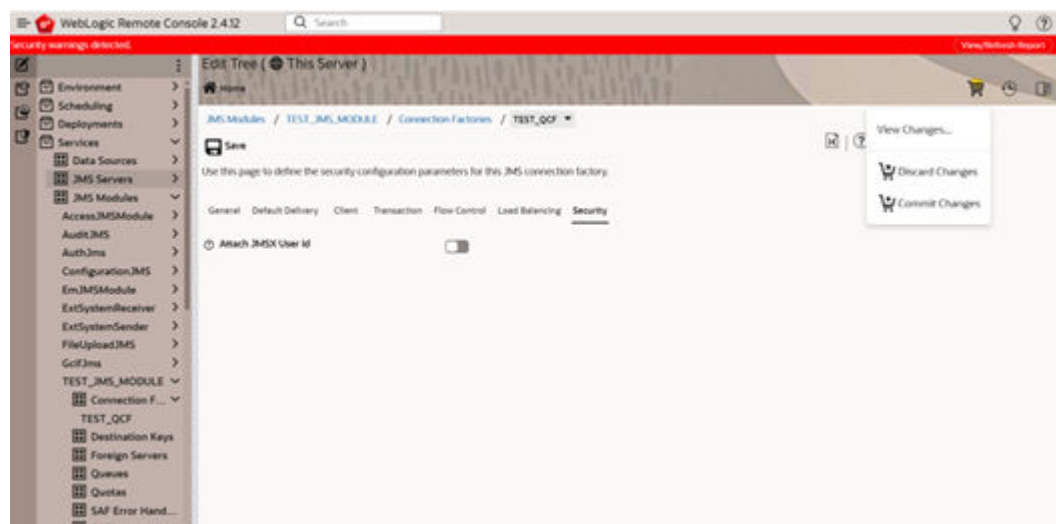
13. **Name :** WLS_JMS_FILEUPLOAD_PS
Scope : Global
Directory : /tmp/WLS_JMS_FILEUPLOAD_PS



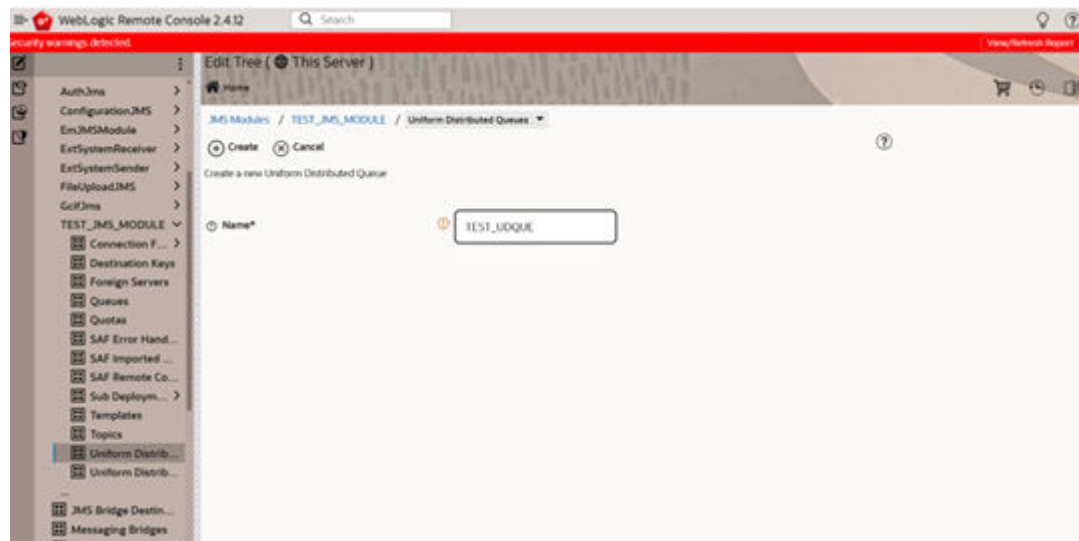
14. Select target as managed server.



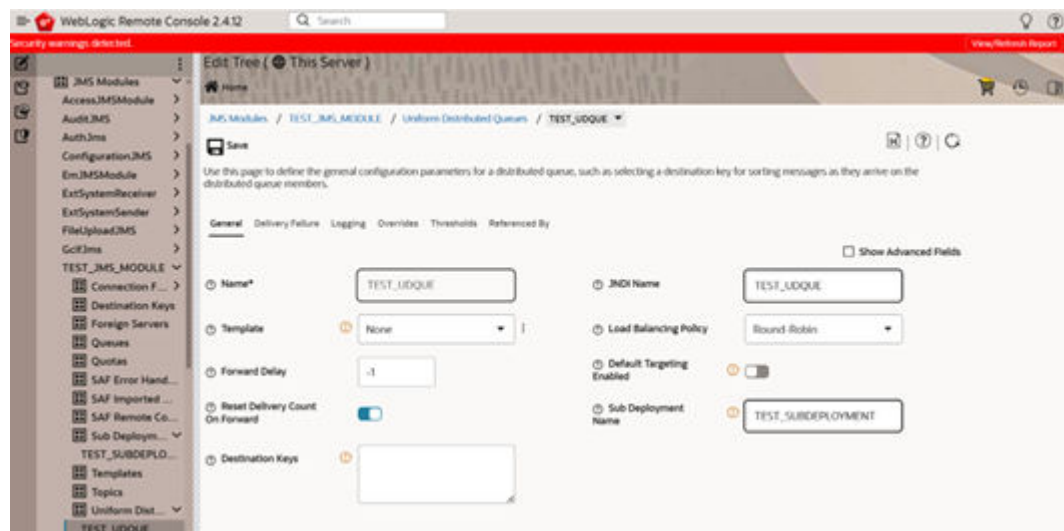
15. Select WLS_JMS_FILEUPLOAD_PS and click **Next**.
16. Select **Create a New Subdeployment** and create **FileUploadSD**.



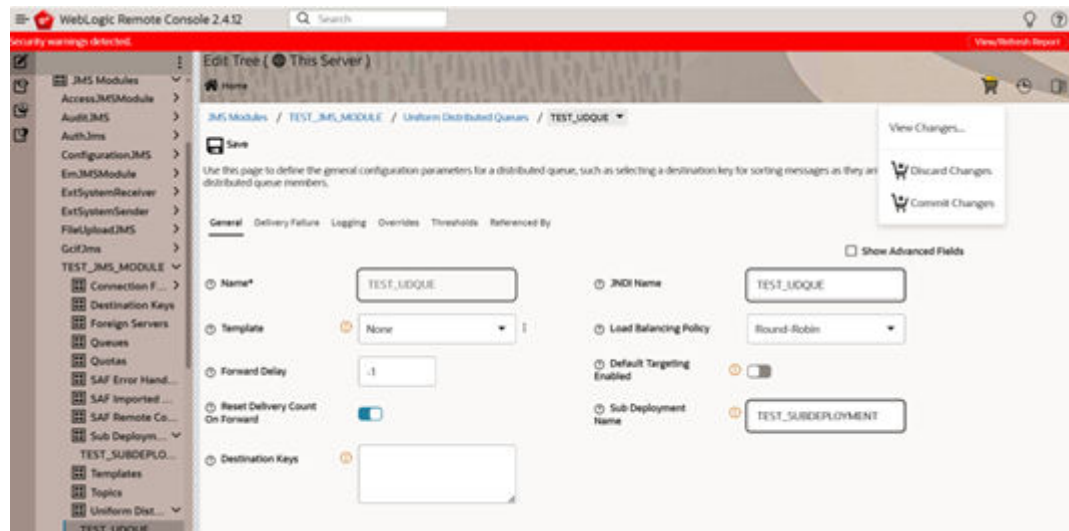
17. Select **FileUploadJMSServer** and click **Finish**.



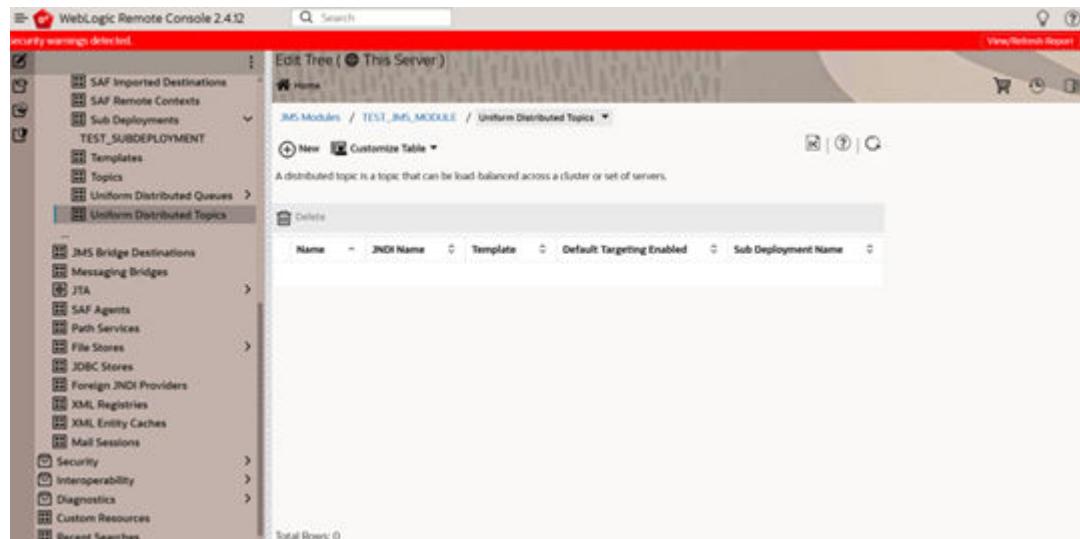
18. Similarly Go into **FileuploadJMS** module and click **Next**.



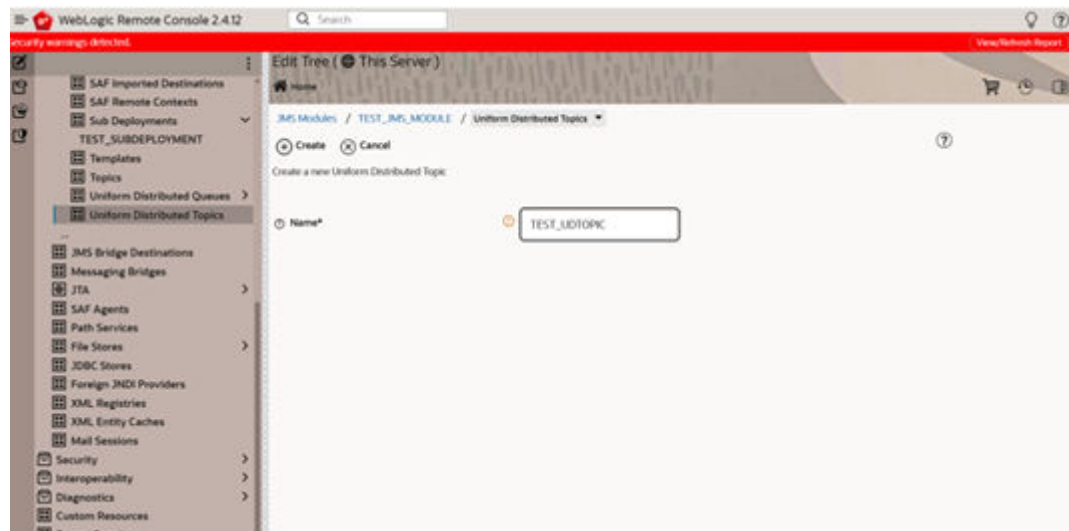
19. Select Connection factory → Click **Next**.



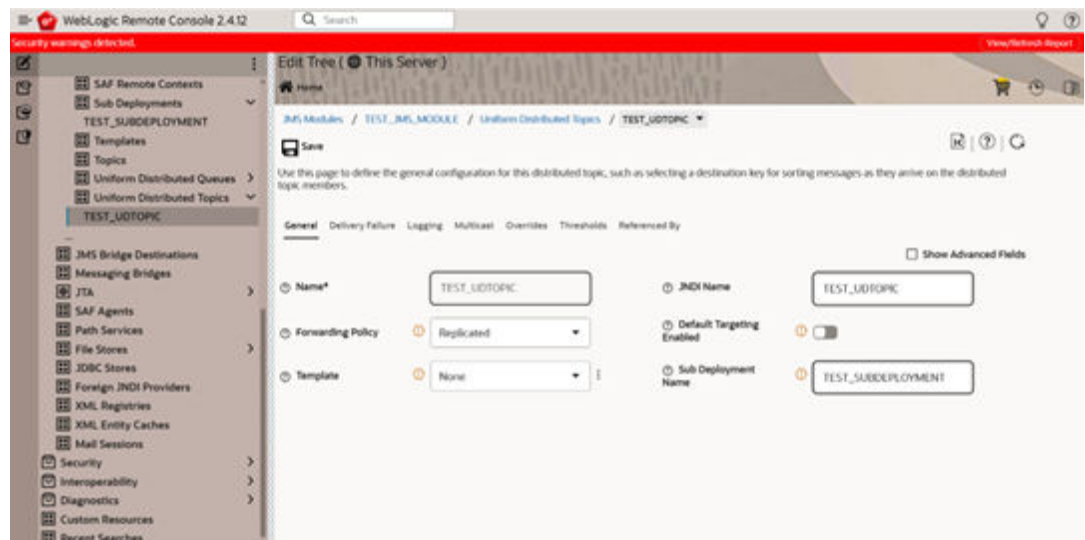
20. Provide
- Name** : OCF
- JNDI Name** : OCF
- Subscription Sharing Policy** : Exclusive
- Client ID Policy** : Restricted



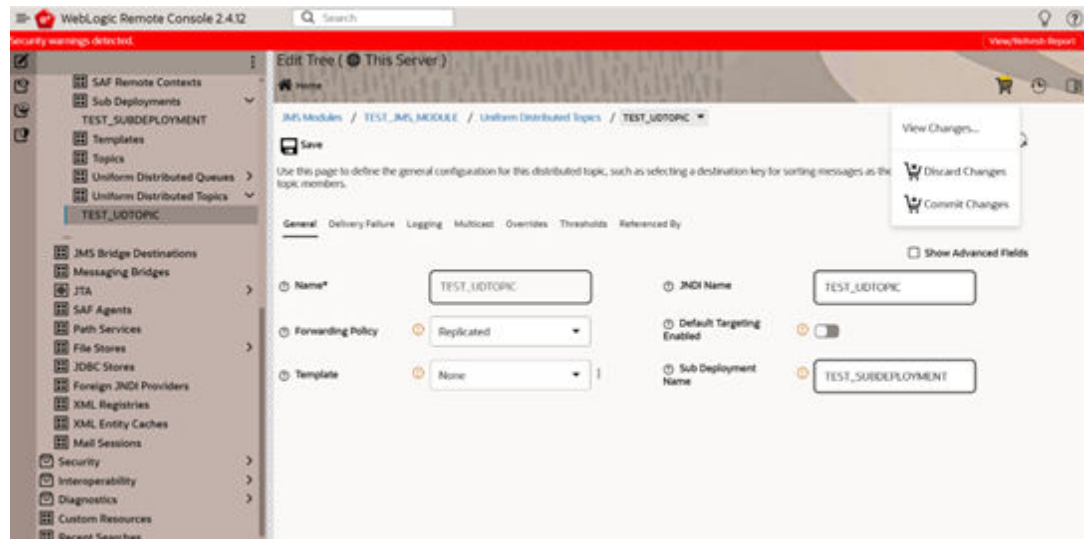
21. Click on Advanced targeting.



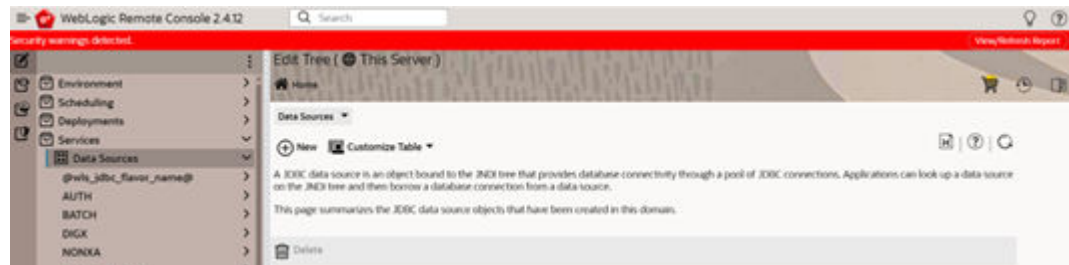
22. Select cluster and click **Finish**.



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



24. Select Distributed Queue.



3

Generating manual war

This topic describes the systematic instruction to **Generating manual war** option.

Please unzip the OBDX installer on any Linux server. As shown in the screenshot, comment out all changes except for the `build_gradle` function, which should remain uncommented. Then, run the installer as described in the installation documentation, selecting only the APP option.

```
if (myprops['Installation_Component'] == 'All') or (myprops['Installation_Component'] == 'App'):
    myprops['Product'] = 'OBDX+OBRH'
    build_war.buildDomain_war(myprops,logger1)
    # createdomain.domaincreation(myprops,logger1,product_flag='OBDX+OBRH')
    # os.system("cd "+log_location+";"+grep -lr -e '"+myprops["DomainPassword"]+"' * | xargs sed -i 's/'+myprops["DomainPassword"]+'//')

    # st =os.stat(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"])
    # os.chmod(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"],st.st_mode | stat.S_IRWXU | stat.S_IRWXG | stat.S_IRWXO)
    # utility.change_permissions_recursive(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"], stat.S_IRWXU , stat.S_IRWXG , stat

# Product set to 'OBDX+OBRH' for reset
myprops['Product'] = 'OBDX+OBRH'
```

```
if (myprops['Installation_Component'] == 'All') or (myprops['Installation_Component'] == 'App'):

    if myprops['Installation_Type'] == 'BASE':

        build_war.buildDomain_war(myprops,logger1)
        # createdomain.domaincreation(myprops,logger1)
        # os.system("cd "+log_location+";"+grep -lr -e '"+myprops["DomainPassword"]+"' * | xargs sed -i 's/'+myprops["DomainPassword"]+'//')

        # st =os.stat(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"])
        # os.chmod(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"],st.st_mode | stat.S_IRWXU | stat.S_IRWXG | stat.S_IRWXO)
        # utility.change_permissions_recursive(myprops["InstallerHome"]+"/"+myprops["RunlineDirectory"], stat.S_IRWXU , stat.S_IRWXG ,
```

4

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/common

Wars that are created on runtime will be available in
path- OBDX_Installer/ OBDX_Installer/ExecInstances/<date>/app/wars.
Please refer file for list of wars to be deployed.

5

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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