

WebServices Installation Guide

Oracle Financial Services Lending and Leasing

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WebServices Installation Guide
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1. Preface

This document contains notes and installation steps needed to install WebServices. Oracle Financial Services Lending and Leasing relies on several pieces of Oracle software in order to run and this document is in no way meant to replace Oracle documentation supplied with the WebServices product or available via Oracle technical support. The purpose of this document is only meant to supplement the Oracle documentation and to provide Oracle Financial Services Lending and Leasing specific installation instructions.

For recommendations on security configuration, refer Security Configuration Guide.

It is assumed that anyone installing Oracle Financial Services Lending and Leasing will have a thorough knowledge and understanding of WebServices.

This guide covers the following processes.

- [Installing WebServices Database Objects](#)
- [Deploying Application Interface WebServices](#)
- [Configuring Weblogic Policy on WebServices](#)

1.1 Prerequisites

1. Download and Install the Oracle WebLogic Server 12c Version 12.2.1.0.0 from <http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html>). They are available from the following sources:
 - Oracle Software Delivery Cloud (<http://edelivery.oracle.com/>)
 - Oracle Technology Network (OTN)
2. It is assumed that the Oracle Financial Services Lending and Leasing DB is installed and configured, before running the WebServices installer.

1.2 Audience

This document is intended for system administrators or application developers who are installing Oracle Financial Services Lending and Leasing Application.

1.3 Conventions Used

Term	Refers to
Application	Oracle Financial Services Lending and Leasing

2. Installing WebServices Database Objects

Download and unzip the the WebServices database - ofslxws.zip.

Run `$./instalofslxwsdb.sh`

```
-bash-4.1$ ./instalofslxwsdb.sh
```

This installer adds the required tables and packages to the application database.

```
Oracle Financial Services Lending and Leasing Webservices DB Installer
```

```
Important Note:
```

```
-----  
It is expected to have the OFSLL Application DB been installed and configured  
before running this installer.
```

```
This installer adds the required tables and packages to the same OFSLL DB schema.
```

```
Continue? [y/n]: y
```

Enter 'y' when prompted to continue.

```
Oracle Financial Services Lending and Leasing Webservices DB Installer
```

```
Important Note:
```

```
-----  
It is expected to have the OFSLL Application DB been installed and configured  
before running this installer.
```

```
This installer adds the required tables and packages to the same OFSLL DB schema.
```

```
Continue? [y/n]: y
```

```
Enter the Oracle Financial Services Lending and Leasing  
Home Path? (usually /home/ofsl): /scratch/work_area/DEV/OFSLLREL
```

```
OFSLLHOME=/scratch/work_area/DEV/OFSLLREL
```

```
Okay? [y/n]: y
```

Script Prompts	Description and Action Required
Oracle Financial Services Lending and Leasing Home Path	Enter the path to the home directory. This is referred to as \$OFSLL_HOME. Enter 'y' when prompted for.

Oracle Financial Services Lending and Leasing Webservices DB Installer

Important Note:

It is expected to have the OFSL Application DB been installed and configured before running this installer.

This installer adds the required tables and packages to the same OFSL DB schema.

Continue? [y/n]: y

Enter the Oracle Financial Services Lending and Leasing
Home Path? (usually /home/ofsl): /scratch/work_area/DEV/OFSLREL

OFSLHOME=/scratch/work_area/DEV/OFSLREL
Okay? [y/n]: y

Enter the Oracle DB Home Path? /scratch/app/db12c/product/12.1.0/dbhome_1

ORAHOME=/scratch/app/db12c/product/12.1.0/dbhome_1
Okay? [y/n]: y

Enter the Oracle SID? ORCL
INSTANCENAME=ORCL
Okay? [y/n]: y

Script Prompts	Description and Action Required
Oracle DB Home Path	Enter the path to the Oracle DB home directory. This is referred to as \$ORACLE_HOME. Enter 'y' when prompted for.
Oracle SID	Enter the Name of Oracle Instance. Enter 'y' when prompted for.

Important Note:

Here is a list of CRITICAL environment variables and their settings:

```
PATH=/usr/lib64/qt-3.3/bin:/usr/kerberos/sbin:/usr/kerberos/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin:
11R6/bin:/usr/local/ade/bin:/scratch/app/db12c/product/12.1.0/dbhome_1/bin
ORACLE_HOME=/scratch/app/db12c/product/12.1.0/dbhome_1
ORACLE_SID=ORCL
OFSL_HOME=/scratch/work_area/DEV/OFSLREL
```

With the above environment, you should be able start SQLPlus and connect to the database. If you cannot, correct the environment and restart the script to continue.

Continue? [y/n]: y

The script lists and sets the CRITICAL environment variables

```

Important Note:
-----

Here is a list of CRITICAL environment variables and their settings:

PATH=/usr/lib64/qt-3.3/bin:/usr/kerberos/sbin:/usr/kerberos/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin
11R6/bin:/usr/local/ade/bin:/scratch/app/db12c/product/12.1.0/dbhome_1/bin
ORACLE_HOME=/scratch/app/db12c/product/12.1.0/dbhome_1
ORACLE_SID=ORCL
OFSSL_HOME=/scratch/work_area/DEV/OFSSLREL

With the above environment, you should be able start SQLPlus and connect
to the database. If you cannot, correct the environment and restart the
script to continue.

Continue? [y/n]: y
.....
Oracle Financial Services Lending and Leasing Webservices Database Object Installation

The following items are available for installation:

      1. database types           (173)
      2. database tables         (47)
      3. database views          (157)
      4. database trigger        (4)
      5. database package specs  (254)
      6. database package bodies (262)
      7. database indexes        (30)
      8. System Seed Data        (0)

Continue with Installation? [y/n] : y

```

Enter 'y' when prompted to continue. A list of items available for installation are listed. Enter 'y' when prompted to 'Continue with Installation'.

```

Oracle Financial Services Lending and Leasing Webservices Database Object Installation

The following items are available for installation:

      1. database types           (173)
      2. database tables         (47)
      3. database views          (157)
      4. database trigger        (4)
      5. database package specs  (254)
      6. database package bodies (262)
      7. database indexes        (30)
      8. System Seed Data        (0)

Continue with Installation? [y/n] : y

Log files will be located in /scratch/work_area/DEV/OFSSLREL/logs/ofsl1_xws_install_logs
Press Enter to Continue...

Enter the Oracle userid (schema name) that will own the Oracle Financial Services Lending and Leasing
objects? (usually ofsl1prd): OFSSLREL

Enter the password for this userid:

```

Sets the path for the location of log files. Press 'Enter' to continue.

Script Prompts	Description and Action Required
Oracle User ID that will own the Oracle Financial Services Lending and Leasing objects	Valid User ID
Password for this User ID	Valid Password

The script installs the objects.

```
PL/SQL procedure successfully completed.  
  
PL/SQL procedure successfully completed.  
  
PL/SQL procedure successfully completed.  
  
PL/SQL procedure successfully completed.  
  
PL/SQL procedure successfully completed.  
  
Commit complete.  
  
Recompiling Invalid Objects...  
mv: cannot stat '/tmp/recomp_obj..23135.log': No such file or directory  
  
Oracle Financial Services Lending and Leasing Webservices DB Object Installation Com
```

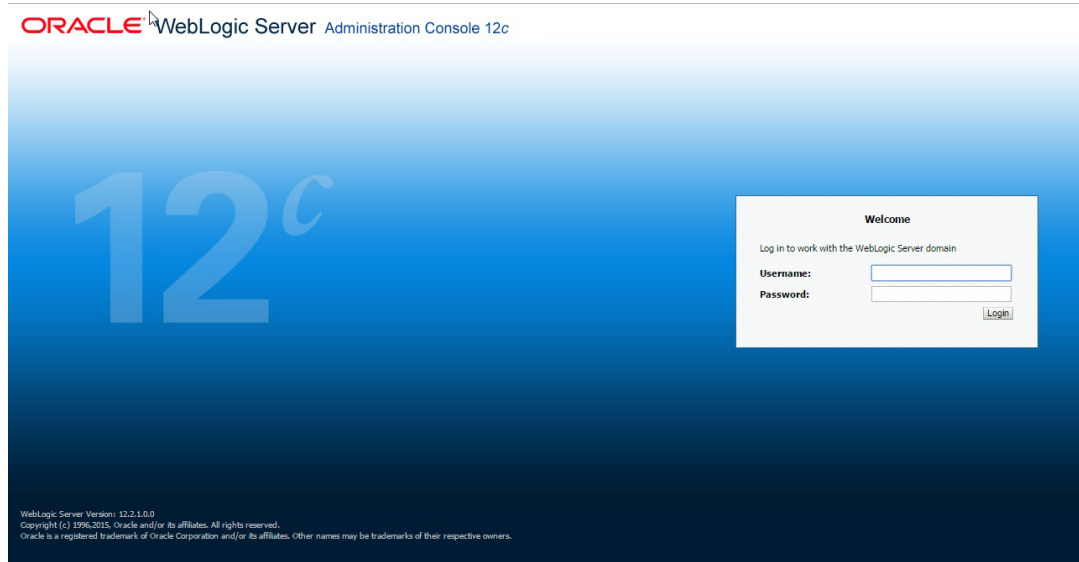
While installing, the script recompiles the invalid objects and completes the installation of DB objects.

3. Deploying Application Interface WebServices

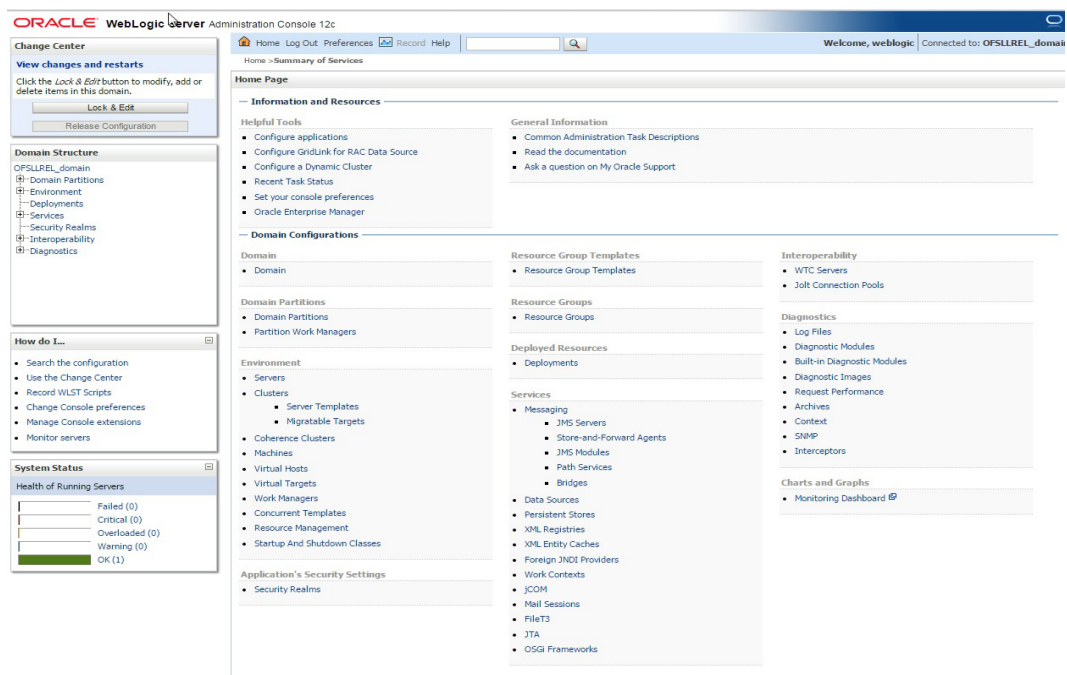
3.1 Creating Data Sources for WebServices

Create a new server on the console which will be specifically for WebServices.

1. Login to WebLogic Server 12c console (<http://hostname:port/console>).



2. The following window is displayed.



3. Click Domain Name > Services > Data Sources. The following window is displayed.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OFSLREL_domain

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
LocalSvcTbDataSource	Generic	jdbc/LocalSvcTbDataSource	AdminServer	Global	
OPSSL	Generic	jdbc/ofallDBConnDS	AdminServer, OFSLREL_ManagedServer	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, OFSLREL_ManagedServer	Global	
opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, OFSLREL_ManagedServer	Global	
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, OFSLREL_ManagedServer	Global	

Showing 1 to 5 of 5 Previous Next

WebLogic Server Version: 12.2.1.0.0
Copyright (c) 1996, 2015, Oracle and/or its affiliates. All rights reserved.
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4. Click 'Lock & Edit' button on the left panel. Click 'New' on right panel and select 'Generic Data Source'.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OFSLREL_domain

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

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Name	Type	JNDI Name	Targets	Scope	Domain Partitions
LocalSvcTbDataSource	Generic	jdbc/LocalSvcTbDataSource	AdminServer	Global	
OPSSL	Generic	jdbc/ofallDBConnDS	AdminServer, OFSLREL_ManagedServer	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, OFSLREL_ManagedServer	Global	
opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, OFSLREL_ManagedServer	Global	
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, OFSLREL_ManagedServer	Global	

Showing 1 to 5 of 5 Previous Next

WebLogic Server Version: 12.2.1.0.0
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5. Specify the following details:

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' (with 'View changes and restarts' and 'Release Configuration' buttons), 'Domain Structure' (showing a tree view of the domain), 'How do I...' (with links to generic and LIR-enabled data sources), and 'System Status' (showing health of running servers). The main content area is titled 'Create a New JDBC Data Source' and includes a 'Back', 'Next', 'Finish', and 'Cancel' navigation bar. Below this is the 'JDBC Data Source Properties' section, which states: 'The following properties will be used to identify your new JDBC data source. * Indicates required fields'. The properties are: 'Name' (jdbc/dbk105n1EJBDS), 'Scope' (Global), 'JNDI Name' (jdbc/dbk105n1EJBDS), and 'Database Type' (Oracle). The 'Next' button is highlighted with a mouse cursor.

- Enter Data source Name.
- Enter JNDI Name as 'jdbc/dbk105n1EJBDS'.
- Select 'Oracle' as Database Type.

6. Click 'Next'. The following window is displayed.

7. Select the Database Driver 'Oracle's Driver(Thin) for Instance connections; Versions: Any' as shown.

The screenshot shows the same Oracle WebLogic Server Administration Console, but now the 'Database Driver' dropdown menu is open. The selected driver is 'Oracle's Driver(Thin) for Instance connections; Versions: Any'. The 'Next' button is highlighted with a mouse cursor. The 'Database Type' remains 'Oracle'. The 'Back', 'Next', 'Finish', and 'Cancel' navigation bar is still present.

8. Click 'Next'. The following window is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console. The main window is titled 'Create a New JDBC Data Source'. It has a navigation bar at the top with 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The breadcrumb trail is 'Home > Summary of Services > Summary of JDBC Data Sources > Summary of JDBC Data Sources'. The left sidebar contains 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The 'Change Center' shows 'View changes and restarts' with a 'Release Configuration' button. The 'Domain Structure' shows a tree view with 'OFSSLREL_domain' selected. The 'How do I...' section has links for 'Create JDBC generic data sources' and 'Create LUR-enabled JDBC data sources'. The 'System Status' shows 'Health of Running Servers' with a bar chart indicating 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (1)'. The main content area is titled 'Create a New JDBC Data Source' and has buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The 'Transaction Options' section is visible, with the text 'You have selected non-XA JDBC driver to create database connection in your new data source.' and 'Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.' The 'Supports Global Transactions' option is selected, with a description: '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 (LUR) transaction optimization. Recommended in place of Emulate Two-Phase Commit.' The 'Logging Last Resource' option is also visible, with a description: '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.' The 'Emulate Two-Phase Commit' option is also visible, with a description: '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.' The 'One-Phase Commit' option is also visible, with a description: '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.' The 'Back', 'Next', 'Finish', and 'Cancel' buttons are at the bottom of the main content area.

9. Click 'Next'. The following window is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console. The main window is titled 'Create a New JDBC Data Source'. It has a navigation bar at the top with 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The breadcrumb trail is 'Home > Summary of Services > Summary of JDBC Data Sources > Summary of JDBC Data Sources'. The left sidebar contains 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The 'Change Center' shows 'View changes and restarts' with a 'Release Configuration' button. The 'Domain Structure' shows a tree view with 'OFSSLREL_domain' selected. The 'How do I...' section has links for 'Create JDBC generic data sources' and 'Create LUR-enabled JDBC data sources'. The 'System Status' shows 'Health of Running Servers' with a bar chart indicating 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (1)'. The main content area is titled 'Create a New JDBC Data Source' and has buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The 'Connection Properties' section is visible, with the text 'Define Connection Properties.' and 'What is the name of the database you would like to connect to?'. The 'Database Name' field is filled with 'ORCL'. The 'Host Name' field is filled with 'ofss2221038.in.oracle.com'. The 'Port' field is filled with '1521'. The 'Database User Name' field is filled with 'OFSSLREL'. The 'Password' field is filled with '*****'. The 'Confirm Password' field is filled with '*****'. The 'Additional Connection Properties' section is visible, with the text 'Additional Connection Properties:' and 'oracle.jdbc.DRCPConnectionClass:'. The 'Back', 'Next', 'Finish', and 'Cancel' buttons are at the bottom of the main content area.

10. Enter the Database details.

11. Click 'Next'. The following window is displayed.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OFSSLREL_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

OFSSLREL_domain

- Domain Partitions
- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...

- Create JDBC generic data sources
- Create LIR-enabled JDBC data sources

System Status

Health of Running Servers

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

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:@ofss2221038.in.oracle.com:1521:ORCL

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

Database User Name: OFSSLREL

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:

What are the properties to pass to the JDBC driver when creating database connections?

Properties: user=OFSSLREL

The set of driver properties whose values are derived at runtime from the named system property.

System Properties:

12. Click 'Test Configuration'. The following window is displayed indicating a confirmation message as 'Connection test succeeded'.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OFSSLREL_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

OFSSLREL_domain

- Domain Partitions
- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...

- Create JDBC generic data sources
- Create LIR-enabled JDBC data sources

System Status

Health of Running Servers

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

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:@ofss2221038.in.oracle.com:1521:ORCL

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

Database User Name: OFSSLREL

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:

What are the properties to pass to the JDBC driver when creating database connections?

Properties: user=OFSSLREL

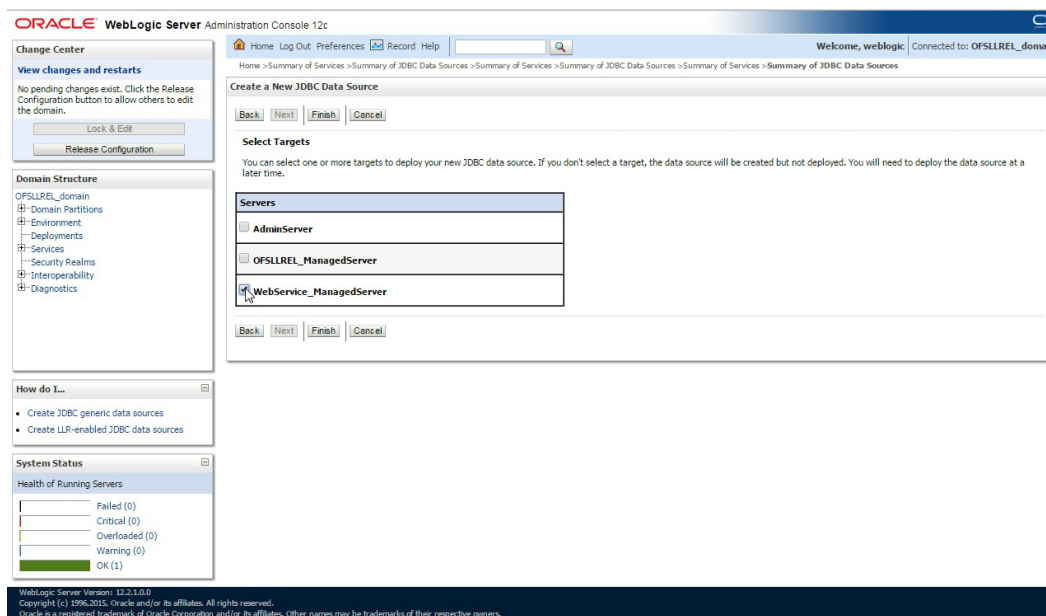
The set of driver properties whose values are derived at runtime from the named system property.

System Properties:

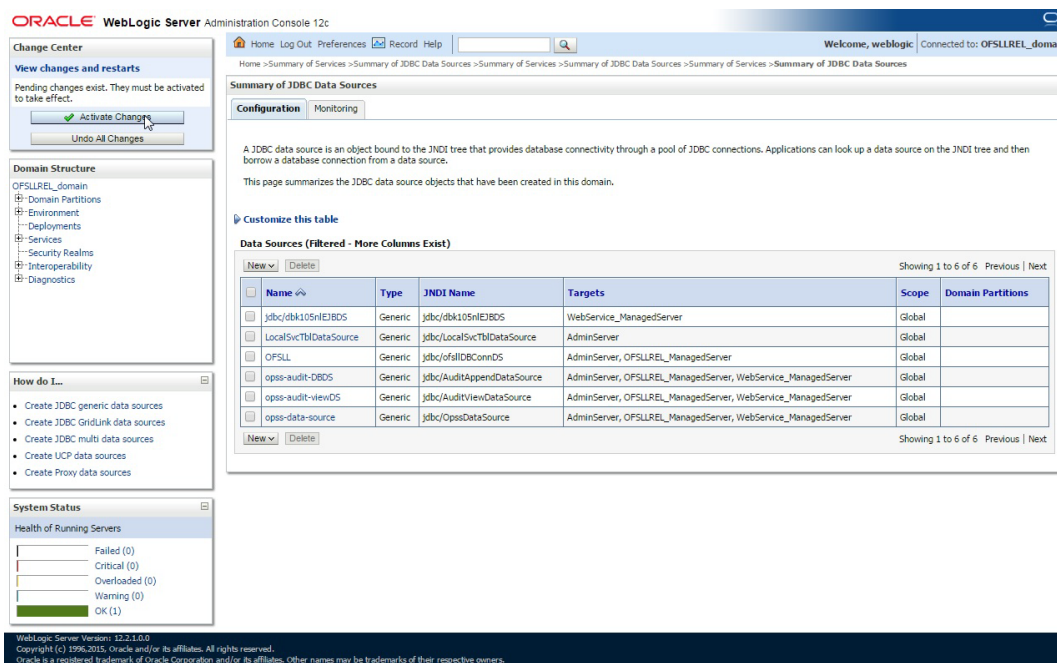
Messages

✓ Connection test succeeded.

13. Click 'Next'. The following window is displayed.



14. Select target WebServices Server and click 'Finish'. The following window is displayed.



15. Click 'Activate Changes'.

Similarly follow the above steps to create the following data sources:

- jdbc/dbkwsDS

– jdbc/IN1HukWznG0b4esj

Summary of JDBC Data Sources

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
jdbc/dbk105nIEJBDS	Generic	jdbc/dbk105nIEJBDS	WebService_ManagedServer	Global	
LocalSvcTbData source	Generic	jdbc/LocalSvcTbData source	AdminServer	Global	
OFSLL	Generic	jdbc/ofallDBConnDS	AdminServer, OFSLL_ManagedServer	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendData source	AdminServer, OFSLL_ManagedServer, WebService_ManagedServer	Global	
opss-audit-viewDS	Generic	jdbc/AuditViewData source	AdminServer, OFSLL_ManagedServer, WebService_ManagedServer	Global	
opss-data-source	Generic	jdbc/OpssData source	AdminServer, OFSLL_ManagedServer, WebService_ManagedServer	Global	

3.2 Working with SSL

It is not recommended to run OFSLL WebServices with the test certificates in production. You have to get:

1. Vendor public production key/certificates for SSL handshake. These have to be imported into weblogic truststore.
2. RO public production key/certificates to validate digital signature in the RO inputs. This has to be imported into dls_cacerts keystore mentioned in the configuration file.
3. Generate production grade public/private key signed by appropriate CA. The public key has to be shared with RO so that they can validate digital signature in OFSLL requests. The corresponding private key should not be shared, should be imported into dls_cacerts keystore mentioned in the configuration file and used to add the digital signature in RO requests.

Additional Notes

- While testing with the test certificates, you may get error: **'Signature verification failed because RSA key public exponent [3] is too small'**.
 - As a fix, you need to add the following in the start-up script: `'Dweblogic.security.SSL.allowSmallRSAExponent=true'`
- You may encounter error: **'java.security.InvalidKeyException: Illegal key size or Cipher not initialize'**.
 - As a fix add the following in the start-up script: `'Dweblogic.security.SSL.nojce=true'`
- You may encounter error: **'java.security.InvalidAlgorithmParameterException: the trustAnchors parameter must be non-empty'**.
 - As a fix remove the `'-DUseSunHttpHandler=true'` SSL option if any from the startup script.

3.2.1 Steps to Import Certificates to keystore

1. The JKS(dls_cacerts) should be available under /WEB-INF/classes/config.

2. Save all the certificates from the vendor website. Note to save the certificates in "Base-64 encoded X.509(.CER)" and with extn .cer. Steps for saving certificates from the vendor website:

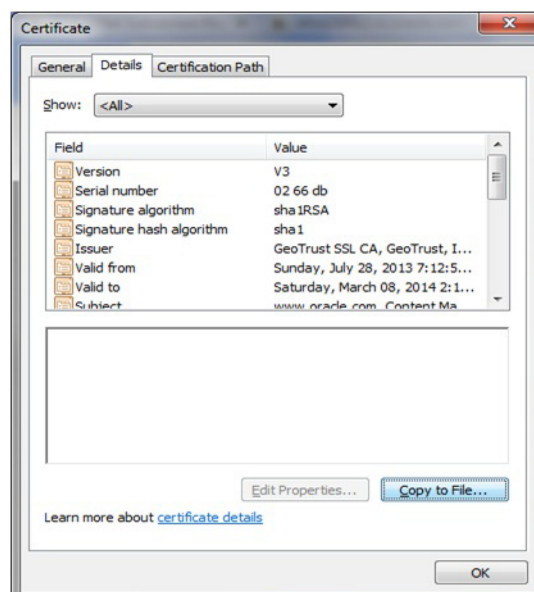
- Click on the padlock and choose 'View Certificates'.



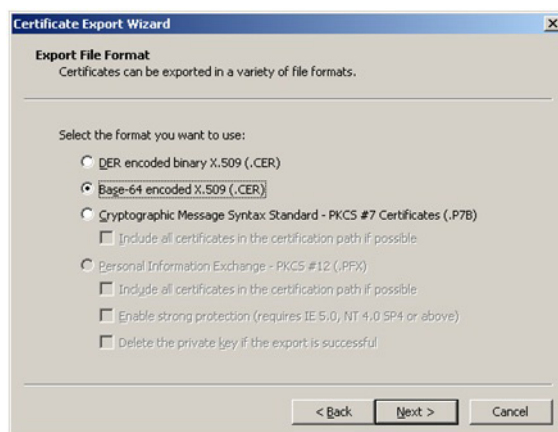
- Click on the Certification Path tab and select the certificate with the 'Name' and 'Issued To' the same as the user-defined ID.



- Go to the Details tab.



- Click on the 'Copy to File' button, and click 'Next'. Select 'Base-64 encoding' and save the file somewhere on your local computer.



3. Run following command to import certificate into JKS(dls_cacerts)
 - "keytool -keystore <Key store Path> /dls_cacerts -import -trustcacerts -file <Certificate location in file system>\xxx.cer -alias <alias as mentioned in config file>
4. Run following command to view details of certificate like expiration date of certificate etc.
 - "keytool -list -rfc -alias alias <alias as mentioned in config file> -keystore <Key store Path> /dls_cacerts
 - "keytool -list -v -alias alias <alias as mentioned in config file> -keystore <Key store Path> /dls_cacerts

For more details on keytool refer the link: <http://docs.oracle.com/javase/7/docs/technotes/tools/windows/keytool.html>

3.2.2 **Enable SSL Debugging**

SSL debugging can be enabled by adding the following to managed server start-up script: 'Dssl.debug=true'

3.2.3 **Connecting to service supporting only TLS protocol**

For WLS 12c by default (acting as a client) will send sslv2 hello for the SSL handshake to TLS service. The TLS service will not respond to SSLv2 hello and the connection will be dropped.

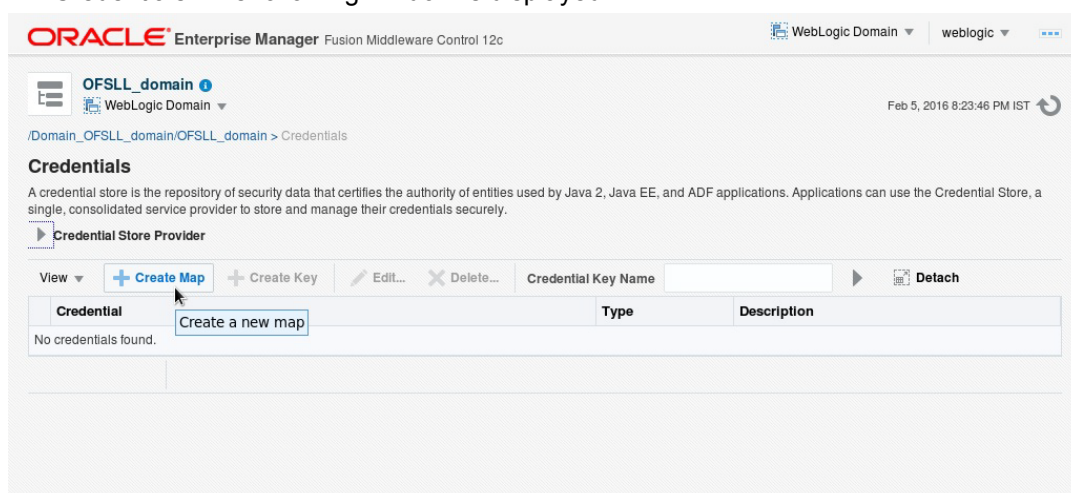
The fix for the problem is to set Dweblogic.security.SSL.protocolVersion=TLS1 at the Managed server level in which the WebServices have been deployed.

3.3 **Create RouteOne Credentials and System Policies**

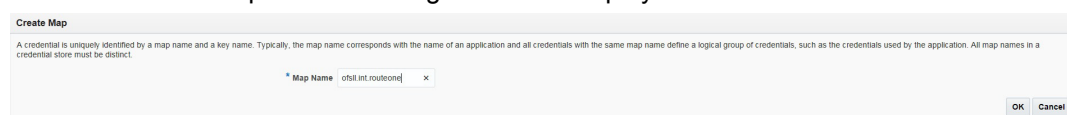
In order Configure RouteOne, you need to create credentials and system policies.

1. Login to Oracle Enterprise Manager 12c (<http://hostname:port/em>).

- On the left panel, right click on OFSSL_domain and select Security > System Policies > Credentials. The following window is displayed.



- Click 'Create Map'. The following window is displayed.



- Enter Map Name as 'ofssl.int.routeone' and click 'OK'.
- Click 'Create Key'. The following window is displayed.

- Click 'OK'.

Similarly you need to create the following Maps and corresponding keys as indicated in following table.

Maps	Key Name	Username	Password	Description
------	----------	----------	----------	-------------

ofsll.int.routeone	routeone_key_store_password	keystore-Password	changeit	The keystore password
	routeone_key_alias	roKeyAlias	routeone_pub_tst	RouteOne's public key alias name. The public key is needed to verify the xml signature of the request.
	routeone_ss-cro_key_alias	sscroKeyAlias	ssc_routeone	OFSLL's private key alias name. The private key is used to sign xml response to RouteOne
	routeone_ss-cro_key_password	sscroKey-Password	demot-estSSCR1	OFSLL's private key password

You need to provide access permission for the below mapping. For details on how to set the access permission, refer to point 9 in 'Create Credentials and System Policies' section.

Permission Class	Resource Name	Permission Actions
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.int.routeone,keyName=*	read

3.4 Deploying Webservices

3.4.1 Deployment of WebServices in Enterprise Manager

1. Download and unzip the WebServices - ofsllxws.zip.
2. Following is a mapping of which EAR is needed for which service:

dbkls-xxws.ws.app.ear	dbkls-xxws.ws.app-dt.ear	dbkls-xxws.ws.app-ds.ear	dbkls-xxws.ws.app-ro.ear
DialerIntegrator: Service to integrate with third party dialer systems	DT Interface: To receive loan application from dealer track	DS Interface: To receive edocs application update	RO Interface: To receive loan application from route one
CSSAccountDetailsRequestService: Service to fetch Account Details by account number	DT Interface: To receive loan application/deal update from dealer track	DS Interface: To receive edocs comment update	RO Interface: To receive loan application/deal refresh from route one

CSSAccountSearchRequestService: Service to fetch Account Details by attributes such as AccountNumber, CustomerFirstName, CustomerLastName, SSN	DT Interface: To receive comments from dealer track	DS Interface: To receive edocs location update	RO Interface: To receive comments from route one
CSSPostTransactionsRequestService: To post different transactions such as update address, update phone number, update ACH details, etc	LOSPostStatusRequestService: To post comments to dealer track		LOSPostStatusRequestService: To post comments to route one
CSSAccountPayOffQuoteRequestService: To get the account payoff quote	LOSPostStatusRequestService: To post application status to dealer track		LOSPostStatusRequestService: To post application status to route one
LOSEApplicationRequestService: Edocs application update service	ILOSPostDealerDetailsService: To post dealer details to dealer track		ILOSPostDealerDetailsService: To post dealer details to dealer track
LOSApplicationRequestService: Loan application entry service			
LOSApplicationSearchRequestService: Application Search service			
LOSApplicationSearchRequestService: Application Search service			
LOSApplicationCommentUpdateService: Edocs application comment update service			

LOSPostStatusRequestService: Service to post loan application status			
LOSAplicationUpdateService: Service to update an existing application			
LOSCheckStatusRequestService: Service to check application status			
LOSAplicationAccountWebService: Service to create Account number in OFSLL			
			LOSEContractService: To recieve contract information from RouteOne

3. Unzip all the ear files present:
 - dbkls-xxws.ws.app.ear
 - dbkls-xxws.ws.app-dt.ear
 - dbkls-xxws.ws.app-ro.ear
 - dbkls-xxws.ws.app-ds.ear

```

-bash-4.1$ unzip ofslxws.zip -d ofslxws
Archive:  ofslxws.zip
  inflating: ofslxws/dbkls-xxws.ws.app-ds.ear
  inflating: ofslxws/dbkls-xxws.ws.app-dt.ear
  inflating: ofslxws/dbkls-xxws.ws.app-ro.ear
  inflating: ofslxws/dbkls-xxws.ws.app.ear
-bash-4.1$ cd ofslxws
-bash-4.1$ ls
dbkls-xxws.ws.app-ds.ear  dbkls-xxws.ws.app-dt.ear  dbkls-xxws.ws.app.ear  dbkls-xxws.ws.app-ro.ear
-bash-4.1$ unzip dbkls-xxws.ws.app-ds.ear -d dbkls-xxws.ws.app-ds
Archive:  dbkls-xxws.ws.app-ds.ear
  creating: dbkls-xxws.ws.app-ds/META-INF/
  inflating: dbkls-xxws.ws.app-ds/META-INF/application.xml
  inflating: dbkls-xxws.ws.app-ds/dbkls-xws-web-ds.war
-bash-4.1$ cd dbkls-xxws.ws.app-ds
-bash-4.1$ ls
dbkls-xws-web-ds.war  META-INF
-bash-4.1$ unzip dbkls-xws-web-ds.war -d dbkls-xws-web-ds
Archive:  dbkls-xws-web-ds.war
  creating: dbkls-xws-web-ds/WEB-INF/
  creating: dbkls-xws-web-ds/WEB-INF/classes/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/utills/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/dialerintegration/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/exception/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/lookup/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/xae/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/xcl/
  creating: dbkls-xws-web-ds/WEB-INF/classes/com/ofss/fll/xws/xcs/

```

4. Open each of the unzipped files and unzip the war file.

```

-bash-4.1$ ls -lart
total 7920
-rw-r--r-- 1 orafmw oinstall 1074660 Apr 10 08:47 dbkls-xxws.ws.app.ear
-rw-r--r-- 1 orafmw oinstall 996280 Apr 10 08:47 dbkls-xxws.ws.app-dt.ear
-rw-r--r-- 1 orafmw oinstall 991947 Apr 10 08:47 dbkls-xxws.ws.app-ro.ear
-rw-r--r-- 1 orafmw oinstall 978700 Apr 10 08:47 dbkls-xxws.ws.app-ds.ear
-rw-r----- 1 orafmw oinstall 4032431 Apr 10 15:09 ofslxws.zip
drwxr----- 8 orafmw oinstall 4096 Apr 10 15:09 ..
drwxr-xr-x 3 orafmw oinstall 4096 Apr 10 16:26 dbkls-xxws.ws.app-ds
drwxr-xr-x 3 orafmw oinstall 4096 Apr 10 16:26 dbkls-xxws.ws.app-dt
drwxr-xr-x 3 orafmw oinstall 4096 Apr 10 16:26 dbkls-xxws.ws.app-ro
drwxr----- 6 orafmw oinstall 4096 Apr 10 16:26 .
drwxr-xr-x 3 orafmw oinstall 4096 Apr 10 16:26 dbkls-xxws.ws.app
-bash-4.1$ cd dbkls-xxws.ws.app
-bash-4.1$ ls
dbkls-xws-web.war  META-INF
-bash-4.1$ unzip dbkls-xws-web.war
Archive:  dbkls-xws-web.war
  creating: WEB-INF/
  creating: WEB-INF/classes/
  creating: WEB-INF/classes/com/
  creating: WEB-INF/classes/com/ofss/
  creating: WEB-INF/classes/com/ofss/fll/
  creating: WEB-INF/classes/com/ofss/fll/utills/
  creating: WEB-INF/classes/com/ofss/fll/xws/
  creating: WEB-INF/classes/com/ofss/fll/xws/dialerintegration/
  creating: WEB-INF/classes/com/ofss/fll/xws/exception/
  creating: WEB-INF/classes/com/ofss/fll/xws/lookup/

```

5. It creates a WEB-INF file

```

-bash-4.1$ ls
dbkls-xws-web.war  META-INF  WEB-INF

```

After unzipping the war file to directory, the directory will have the following structure

- dbkls-xxws.ws.app / dbkls-xxws.ws.app-ds / dbkls-xxws.ws.app-dt / dbklsxxws.ws.app-ro
- /dbkls-xxws.ws.app/dbkls-xws-web

WEB-INF (directory)

---->classes (directory)

- config

- class files (in package folders)

-----> lib (directory)

- jdom-2.0.6.jar

- OfsslCommonCSF.jar

- soap-2.3.1.jar

-----> wsdl (directory)

- *.wsdl

-----> *-java-wsdl-mapping.xml

-----> web.xml

-----> weblogic.xml

-----> weblogic-webservices.xml

-----> weblogic-webservices-policy.xml

-----> webservices.xml

6. To edit the web interface config files, navigate to the above WEB-INF > classes > config. Edit the following configuration files with the application url and port.

For complete details on configuration parameters, refer to [“Appendix - Configuration parameters”](#) section in Appendix chapter.

- ds_servlet_init.conf- This is the configuration file only for edocs servlet interface

```
#### XML schema to use when validating incoming application update
#### (comments) messages

#### URL for OFSSL eDocs web service

LOSeApplicationRequestServiceURL = http://<localhost>:<port>/dbkls-xws-app-ds/LOSeApplicationRequestService
LOSeApplicationCommentUpdateServiceURL = http://<localhost>:<port>/dbkls-xws-app-ds/LOSeApplicationCommentUpdateService
LOSeApplicationLocationUpdateServiceURL = http://<localhost>:<port>/dbkls-xws-app-ds/LOSeApplicationLocationUpdateService
#### URL for OFSSL application update web service
```

- dt_servlet_init.conf- This is the configuration file only for dealer track servlet interface

```
#### URL for OFSSL new application web service

LOSeApplicationRequestServiceURL = http://<localhost>:<port>/dbkls-xws-app-dt/LOSeApplicationRequestService

#### URL for OFSSL application update web service

LOSeApplicationUpdateServiceURL = http://<localhost>:<port>/dbkls-xws-app-dt/LOSeApplicationUpdateService
```


- `ro_servlet_init.conf`- This is the configuration file only for route one servlet interface

```
#### URL for OFSLL new application web service
LOSApplicationRequestServiceURL = http://<localhost>:<port>/dbkls-xws-app-ro/LOSApplicationRequestService

#### URL for OFSLL application update web service
LOSApplicationUpdateServiceURL = http://<localhost>:<port>/dbkls-xws-app-ro/LOSApplicationUpdateService

#### URL for OFSLL e contract web service
LOSeContractWebServiceServiceURL = http://<localhost>:<port>/dbkls-xws-app-ro/LOSeContractService
```

7. Login to Web Logic application server enterprise manager (e.g.: <http://hostname:port/em>)



Domain: Domain_OFSSLREL_domain

* User Name:

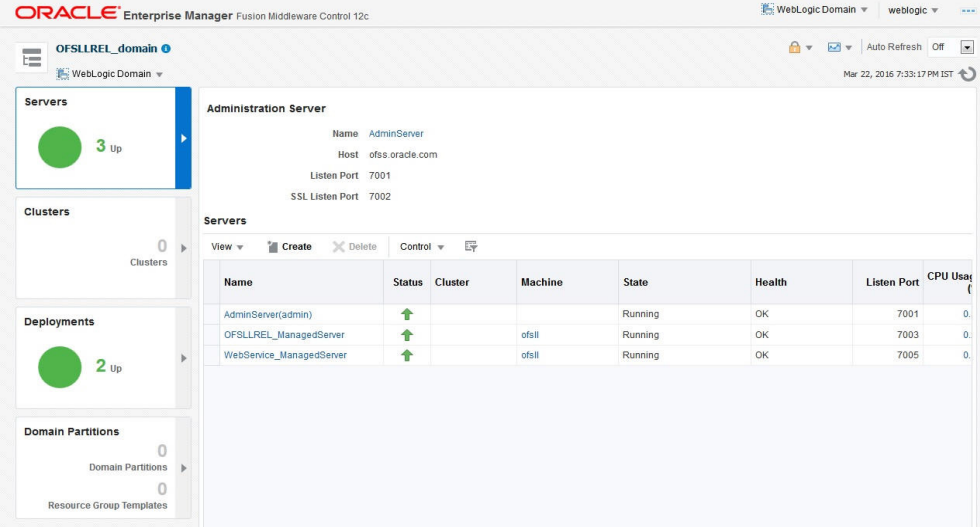
* Password:

Login

ORACLE

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8. Enter valid login credentials. The following window is displayed.



ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain: weblogic

OFSSLREL_domain

Servers: 3 Up

Clusters: 0

Deployments: 2 Up

Domain Partitions: 0

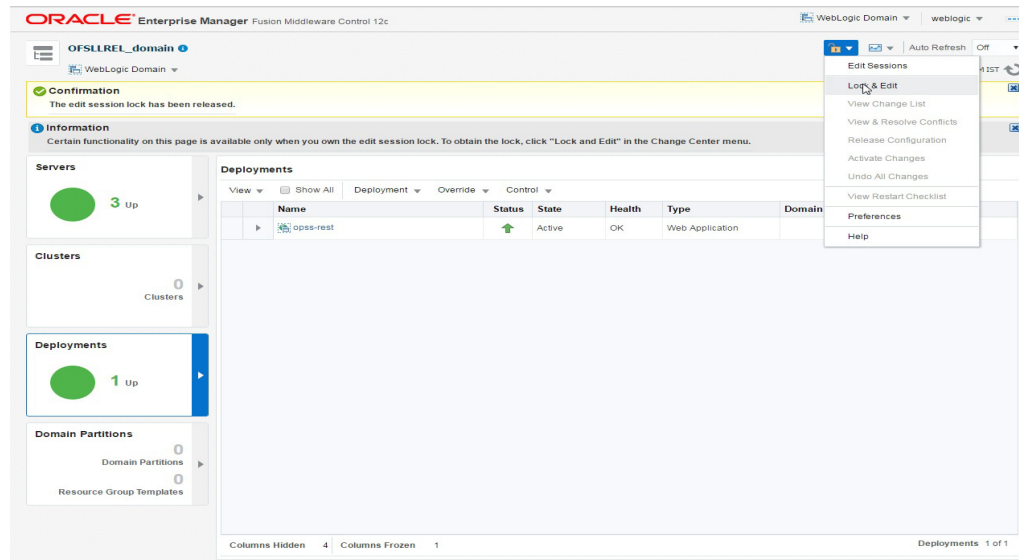
Administration Server

Name: AdminServer
Host: ofss.oracle.com
Listen Port: 7001
SSL Listen Port: 7002

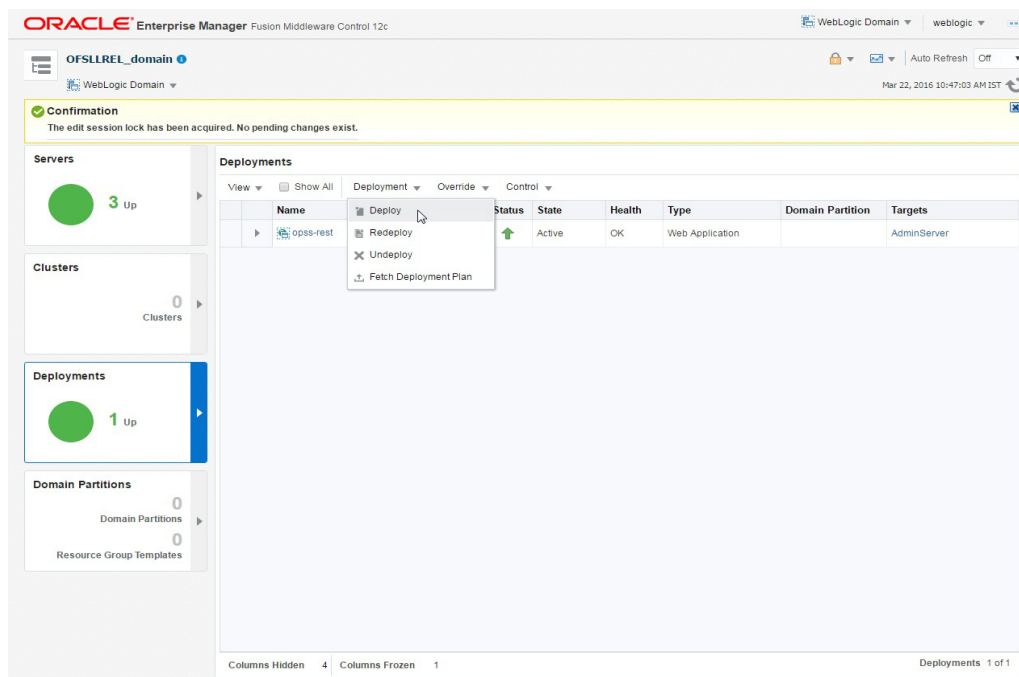
Servers

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage
AdminServer(admin)	Running			Running	OK	7001	0.0
OFSSLREL_ManagedServer	Running		ofssl	Running	OK	7003	0.0
WebService_ManagedServer	Running		ofssl	Running	OK	7005	0.0

9. Expand the weblogic domain present in the left pane. The following window is displayed.



10. Right click on WebService_ManagedServer in left panel, select Application Deployment > Deploy.



11. The following window is displayed.

ORACLE Enterprise Manager Fusion Middleware Control 12c

OFSSLREL_domain

Select Archive | Select Target | Application Attributes | Deployment Settings

Deploy Java EE Application: Select Archive

Back Step 1 of 4 Next Cancel

Scope

Select a scope that you want to deploy this application to: Global

Archive or Exploded Directory

Java EE archives, Web Modules (WAR files), EJB Modules (EJB JAR files), Resource Adapter Modules (RAR files), Coherence Archives (GAR files), JDBC Modules, JMS Modules, and library files (JAR files) can be deployed. You can also deploy an exploded archive that is present on the server where Enterprise Manager is running.

☐ Archive is on the machine where this Web browser is running.

Choose File... No file chosen

☒ Archive or exploded directory is on the server where Enterprise Manager is running.

Browse...

Deployment Plan

The deployment plan is a file that contains the deployment settings for an application. You can use a previously saved deployment plan for this application. Later in the deployment process, you can optionally edit the deployment plan and save it for a future deployment of this application. If you do not have a deployment plan, one will be created automatically during the deployment process when deployment configuration is done. The deployment plan is not applicable when you deploy a library.

☒ Create a new deployment plan when deployment configuration is done.

☐ Deployment plan is on the machine where this Web browser is running.

Choose File... No file chosen

☐ Deployment plan is on the server where Enterprise Manager is running.

Browse...

Deployment Type

The archive or exploded directory can be deployed as a regular application or a library. Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications. The deployment type option will be set as library automatically when you deploy a library file (JAR file).

☒ Deploy this archive or exploded directory as an application

☐ Deploy this archive or exploded directory as a library

Information

Use this page to deploy Java EE applications that require Oracle Metadata Services (MDS) or that take advantage of the Oracle Application Development Framework (Oracle ADF).

If your application is a SOA composite, use the SOA Composite deployment wizard.

If your application is not a SOA composite or it does not require an MDS repository or ADF connections, then you can deploy your application using this wizard or the Oracle WebLogic Server Administration Console.

12. Browse to the folder containing the WebService.

Eg: /scratch/ofslxws/dbkls-xxws.ws.app

Click 'Next'.

ORACLE Enterprise Manager Fusion Middleware Control 12c

OFSSLREL_domain

Select Archive | Select Target | Application Attributes | Deployment Settings

Deploy Java EE Application: Select Archive

Back Step 1 of 4 Next Cancel

Scope

Select a scope that you want to deploy this application to: Global

Archive or Exploded Directory

Java EE archives, Web Modules (WAR files), EJB Modules (EJB JAR files), Resource Adapter Modules (RAR files), Coherence Archives (GAR files), JDBC Modules, JMS Modules, and library files (JAR files) can be deployed. You can also deploy an exploded archive that is present on the server where Enterprise Manager is running.

☐ Archive is on the machine where this Web browser is running.

Choose File... No file chosen

☒ Archive or exploded directory is on the server where Enterprise Manager is running.

/scratch/ofslxws/dbkls-xxws.ws.app

Browse...

Deployment Plan

The deployment plan is a file that contains the deployment settings for an application. You can use a previously saved deployment plan for this application. Later in the deployment process, you can optionally edit the deployment plan and save it for a future deployment of this application. If you do not have a deployment plan, one will be created automatically during the deployment process when deployment configuration is done. The deployment plan is not applicable when you deploy a library.

☒ Create a new deployment plan when deployment configuration is done.

☐ Deployment plan is on the machine where this Web browser is running.

Choose File... No file chosen

☐ Deployment plan is on the server where Enterprise Manager is running.

Browse...

Deployment Type

The archive or exploded directory can be deployed as a regular application or a library. Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications. The deployment type option will be set as library automatically when you deploy a library file (JAR file).

☒ Deploy this archive or exploded directory as an application

☐ Deploy this archive or exploded directory as a library

Information

Use this page to deploy Java EE applications that require Oracle Metadata Services (MDS) or that take advantage of the Oracle Application Development Framework (Oracle ADF).

If your application is a SOA composite, use the SOA Composite deployment wizard.

If your application is not a SOA composite or it does not require an MDS repository or ADF connections, then you can deploy your application using this wizard or the Oracle WebLogic Server Administration Console.

13. The following window is displayed. Select the server on which the WebService needs to be deployed. Click 'Next'.

ORACLE Enterprise Manager Fusion Middleware Control 12c

OFSSLREL_domain

Select Archive | Select Target | Application Attributes | Deployment Settings

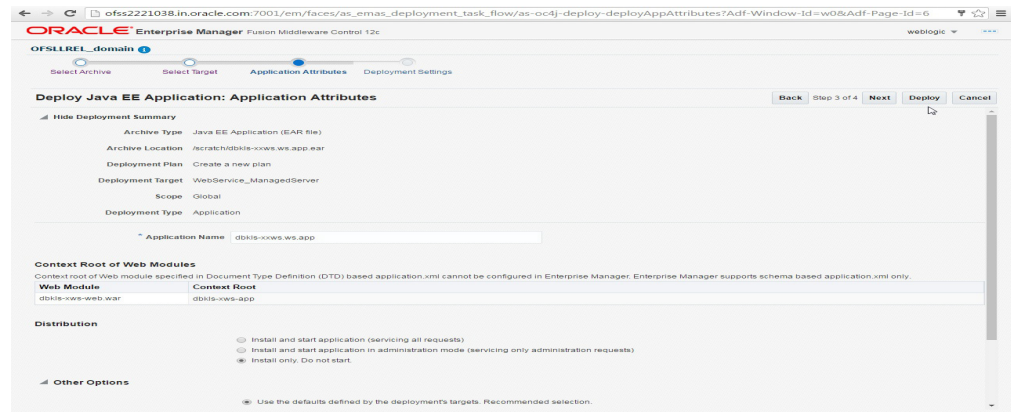
Deploy Java EE Application: Select Target

Back Step 2 of 4 Next Cancel

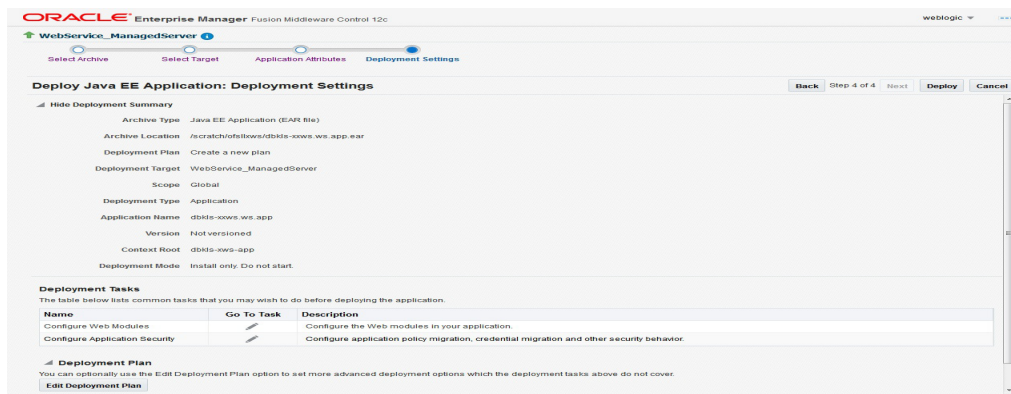
Select the WebLogic server or cluster that you want this application to be deployed to.

Select	Name	Type	Deployed Applications
<input type="checkbox"/>	AdminServer	Oracle WebLogic Server	oo
<input type="checkbox"/>	OFSSLREL_ManagedServer	Oracle WebLogic Server	oo
<input checked="" type="checkbox"/>	WebService_ManagedServer	Oracle WebLogic Server	oo

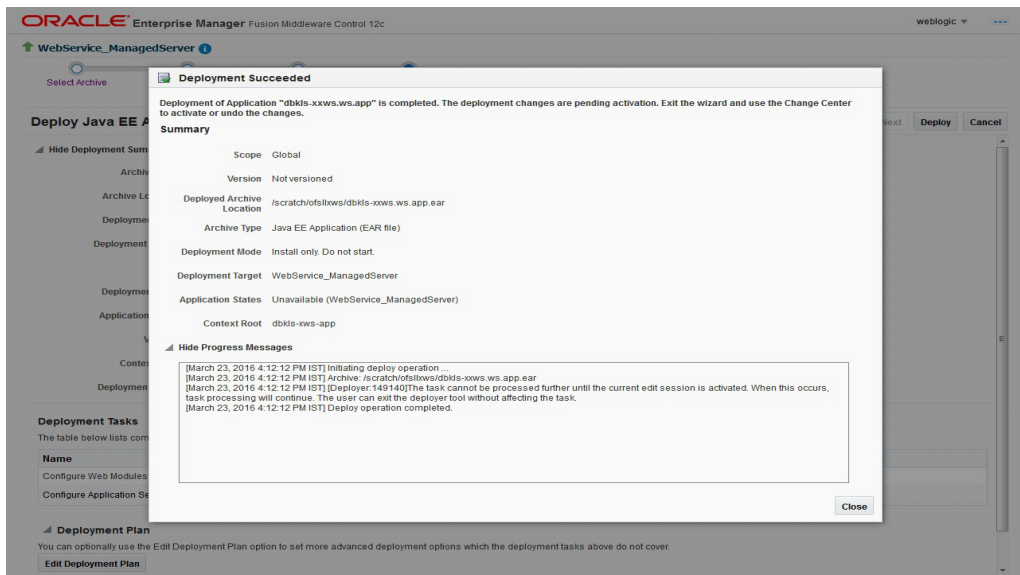
14. The following window is displayed. Check the context root and click 'Next'.



15. The following window is displayed. Click 'Deploy'.



16. The following window is displayed. Click 'Close'.



17. If required, similarly deploy rest of the WebServices.

18. In case the context root has to be changed for the WebServices, it can be changed by editing the application.xml or through the console. To change through console, login to WebLogic Server 12c console (<http://hostname:port/console>).

19. Go to Deployments > <select the service deployment> > Configuration General and modify the context root to the recommended name as follows:

Service	Service EAR	Recommended Context	Remark
Webservices	dbkls-xxws.ws.app.ear	dbkls-xws-app	If this the recommended context name is not used, then the Service URLs in the configuration files needs to be changed
Edocs Interface	dbkls-xxws.ws.app-ds.ear	dbkls-xws-app-ds	If this the recommended context name is not used, then the Service URLs in the configuration files needs to be changed
Dealer Track Interface	dbkls-xxws.ws.app-ds.ear	dbkls-xws-app-dt	If this the recommended context name is not used, then the Service URLs in the configuration files needs to be changed
Route One Interface	dbkls-xxws.ws.app-ro.ear	dbkls-xws-app-ro	If this the recommended context name is not used, then the Service URLs in the configuration files needs to be changed

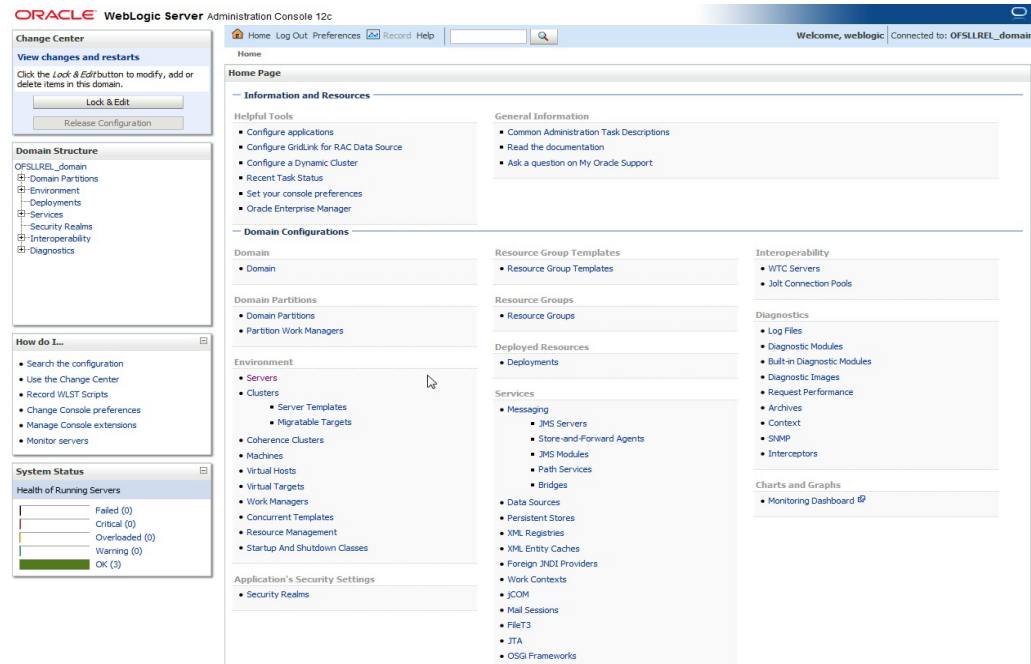
20. Ensure that the application status is 'Active'.

4. Configuring Weblogic Policy on WebServices

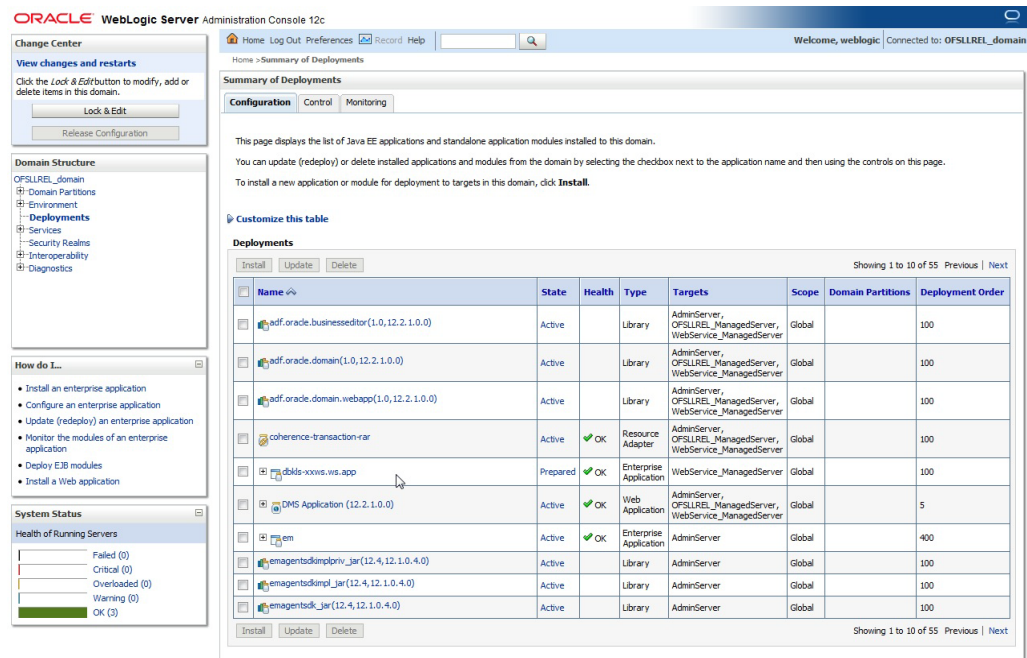
After deploying WebServices, you must configure Weblogic Policy on WebServices.

To configure Weblogic Policy on WebServices

1. Login to WebLogic application server console (http://hostname:port/console). The following window is displayed.



2. Click 'Deployments' which is available on both side panels as marked above. The following window is displayed.



- Click on application name dbkls-xws-app on right side panel. The following window is displayed.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OFSLUREL_domain

Home > Summary of Deployments > dbkls-xws.ws.app

Settings for dbkls-xws.ws.app

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Use this page to view the general configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web applications and EJBs) that are contained in the enterprise application. Click on the name of the module to view and update its configuration.

Name:	dbkls-xws.ws.app	The name of this enterprise application. More Info...
Scope:	Global	Specifies if this enterprise application is accessible within the domain, a partition, or a resource group template. More Info...
Path:	/scratch/dbkls-xws.ws.app.ear	The path to the source of the deployable unit on the Administration Server. More Info...
Deployment Plan:	(no plan specified)	The path to the deployment plan document on the Administration Server. More Info...
Staging Mode:	(not specified)	Specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info...
Plan Staging Mode:	(not specified)	Specifies whether an application's deployment plan is copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info...
Security Model:	DDOnly	The security model that is used to secure a deployed module. More Info...
Deployment Order:	100	An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. More Info...
Deployment Principal Name:		A string value that indicates the principal that should be used when deploying the file or archive during startup and shutdown. This principal will be used to set the current subject when calling out into application code for interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the anonymous principal will be used. More Info...

Modules and Components

Showing 1 to 1 of 1 Previous | Next

Name	Type
dbkls-xws.ws.app	Enterprise Application
EJBs	

- Scroll down the page.

Modules and Components

Showing 1 to 1 of 1 Previous | Next

Name	Type
dbkls-xws.ws.app	Enterprise Application
EJBs	
None to display	
Modules	
dbkls-xws-app	Web Application
Web Services	
CSSAccountDetailsRequestService	Web Service
CSSAccountPayOffQuoteRequestService	Web Service
CSSAccountSearchRequestService	Web Service
CSSPostTransactionsRequestService	Web Service
DialerIntegrator	Web Service
LOSPostDealerDetailsService	Web Service
LookUpRequestService	Web Service
LOSApplicationAccountWebService	Web Service
LOSApplicationCommentUpdateService	Web Service
LOSApplicationLocationUpdateService	Web Service
LOSApplicationRequestService	Web Service
LOSApplicationSearchRequestService	Web Service
LOSApplicationUpdateService	Web Service
LOSCalculatorsWebService	Web Service
LOSCheckStatusRequestService	Web Service
LOSApplicationRequestService	Web Service
LOSPostAccountUpdateService	Web Service

ofss2221038.in.oracle.com:7001/console/console.portal?_nfpb=true&_pageLabel=AppApplicationDispatcherPage&A...ws.ws.app.TypesAppDeployment;dbkls-xws-web.war;dbkls-xws-app;CSSAccountSearchRequestService;WEBSERVICE)

- Click 'WebServices CSSAccountSearchRequestService'.

6. The WSDL will be accessible on http before applying WS-Policy.

10.184.150.97:7005/dbkls-xws-app/CSSAccountSearchRequestService/WSDL

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version='1.0' encoding='utf-8'>
<definitions name='CSSAccountSearchRequestService' targetNamespace='http://com.offss.fl.xws.xcs/AccountSearch.wsdl'>
  <wsdl:types>
    <xsd:schema targetNamespace='http://com.offss.fl.xws.xcs/AccountSearchRequestService.xsd'>
      <wsdl:types>
        <wsdl:message name='doAccountSearchStr0Request'>
          <wsdl:part name='requestStr' type='WL5G3N1:string'/>
        </wsdl:message>
        <wsdl:message name='doAccountSearchStr0Response'>
          <wsdl:part name='return' type='WL5G3N1:string'/>
        </wsdl:message>
        <wsdl:portType name='AccountSearchRequestService'>
          <wsdl:operation name='doAccountSearch'>
            <wsdl:input message='WL5G3N2:doAccountSearchStr0Request' name='doAccountSearchStr0Request'/>
            <wsdl:output message='WL5G3N2:doAccountSearchStr0Response' name='doAccountSearchStr0Response'/>
          </wsdl:operation>
        </wsdl:portType>
        <wsdl:binding name='CSSAccountSearchRequestService' type='WL5G3N2:AccountSearchRequestService'>
          <wsdl:binding style='rpc' transport='http://schemas.xmlsoap.org/soap/http'/>
          <wsdl:operation name='doAccountSearch'>
            <wsdl:operation style='rpc'>
              <wsdl:input name='doAccountSearchStr0Request'>
                <wsdl:body namespace='CSSAccountSearchRequestService' use='literal'/>
              </wsdl:input>
              <wsdl:output name='doAccountSearchStr0Response'>
                <wsdl:body namespace='CSSAccountSearchRequestService' use='literal'/>
              </wsdl:output>
            </wsdl:operation>
          </wsdl:binding>
        </wsdl:binding>
      </wsdl:types>
    </xsd:schema>
  </wsdl:types>
  <wsdl:service name='CSSAccountSearchRequestService'>
    <wsdl:port binding='WL5G3N2:CSSAccountSearchRequestService' name='CSSAccountSearchRequestService'>
      <wsdl:address location='http://10.184.150.97:7005/dbkls-xws-app/CSSAccountSearchRequestService'/>
    </wsdl:port>
  </wsdl:service>
</definitions>
```

7. Navigate to Configuration > WS-Policy tab.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Add Record Help

Welcome, weblogic Connected to: OFSLREL_domain

Change Center

View changes and restarts

Click the **Lock & Edit** button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

Domain Structure

OFSLREL_domain

- Domain Partitions
- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...

- Install a Web service
- Start and stop a Web service
- Attach a WS-Policy file to a Web service
- Configure Web services
- View the SOAP message handlers of a Web service
- View the WSDL of a Web service
- Test a Web service
- Monitor SOAP Web services
- Monitor SOAP Web service clients

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (3)

Settings for CSSAccountSearchRequestService

Overview Configuration Security Testing Monitoring

General Handlers WS-Policy Ports

This page lets the policy files that are attached to the endpoints and operations of this Web service. The operations are listed below the endpoint; click on the + sign to view them. Click on the endpoint or operation name to attach a policy file. For example, you can specify that the policy file applies only for inbound (request) SOAP messages, and so on.

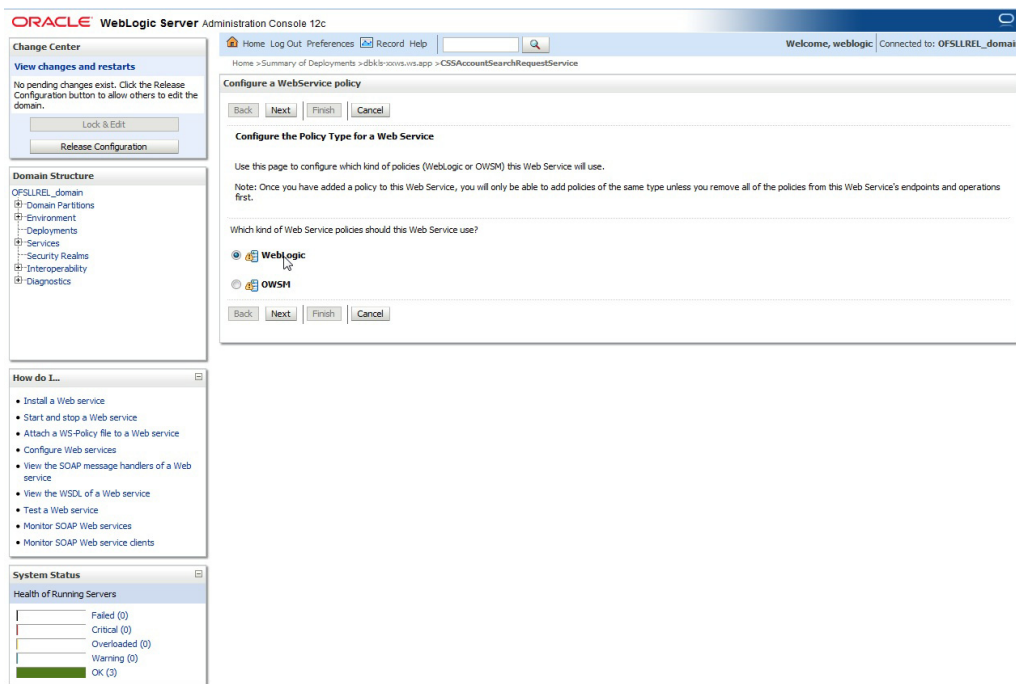
WS-Policy Files Associated With This Web Service

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

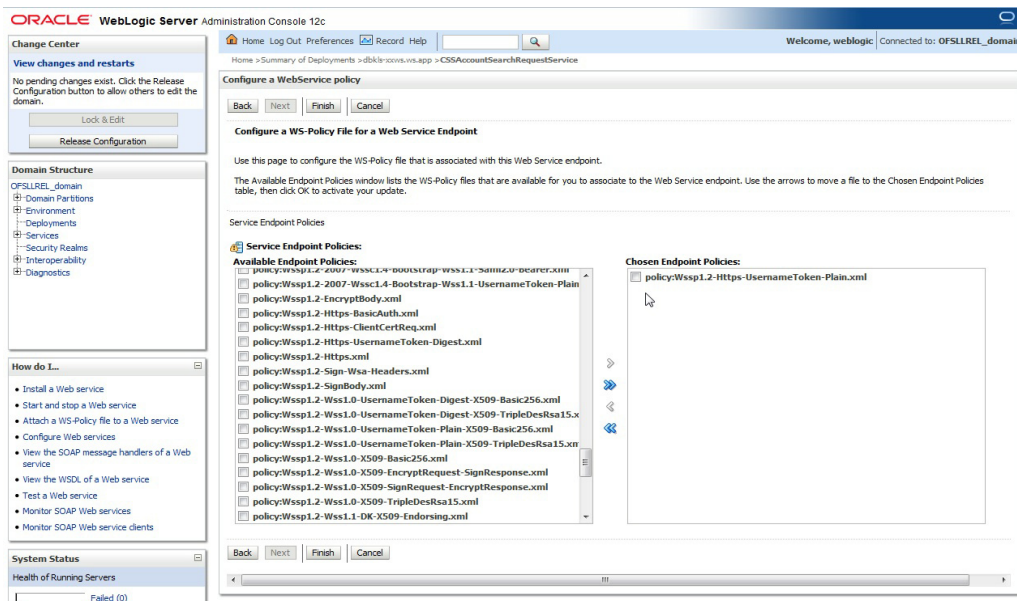
Service Endpoints and Operations	Policies
CSSAccountSearchRequestService	

Showing 1 to 1 of 1 Previous Next

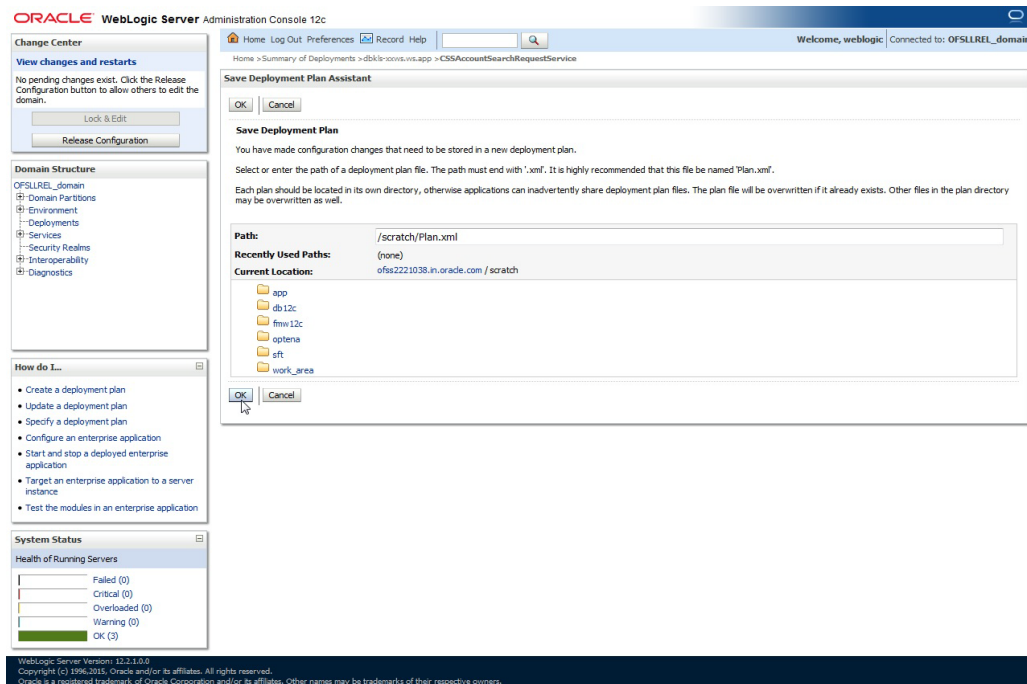
8. Click 'CSSAccountSearchRequestService'.



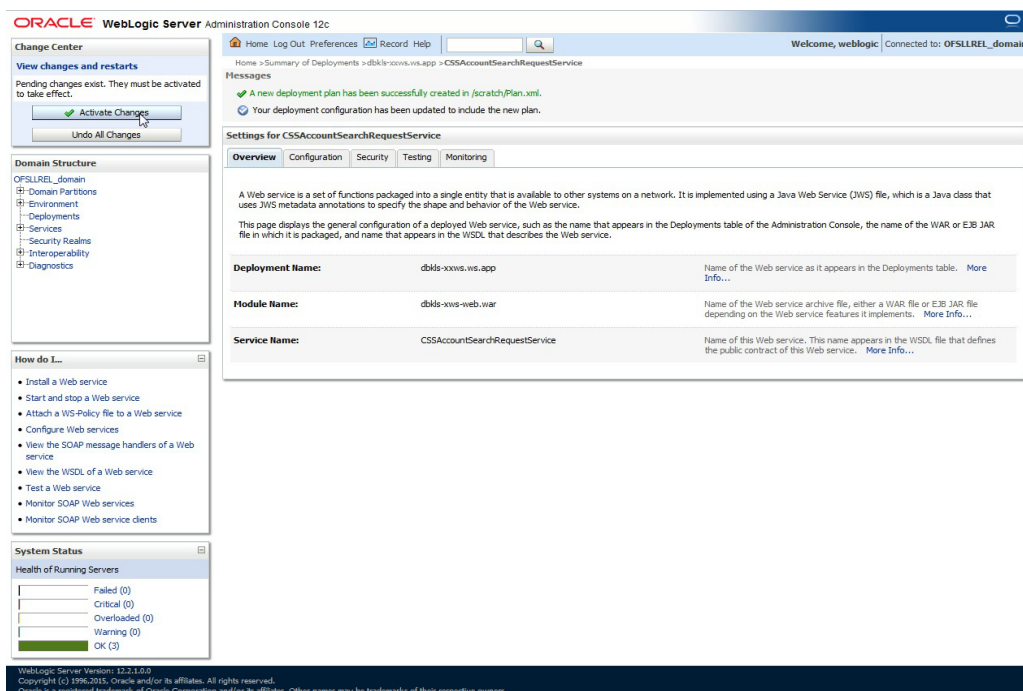
9. Select 'policy:Wssp1.2-Https-UsernameToken-Plain.xml' and click right arrow to move it to the selected policies list.



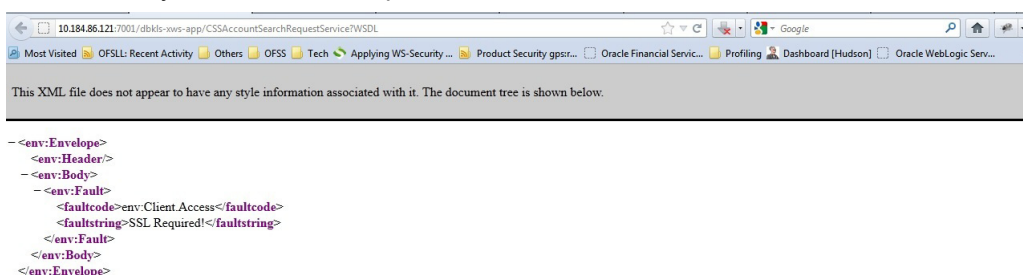
10. Click 'OK'.



11. Browse to any folder to save Deployment Plan and click 'OK'.



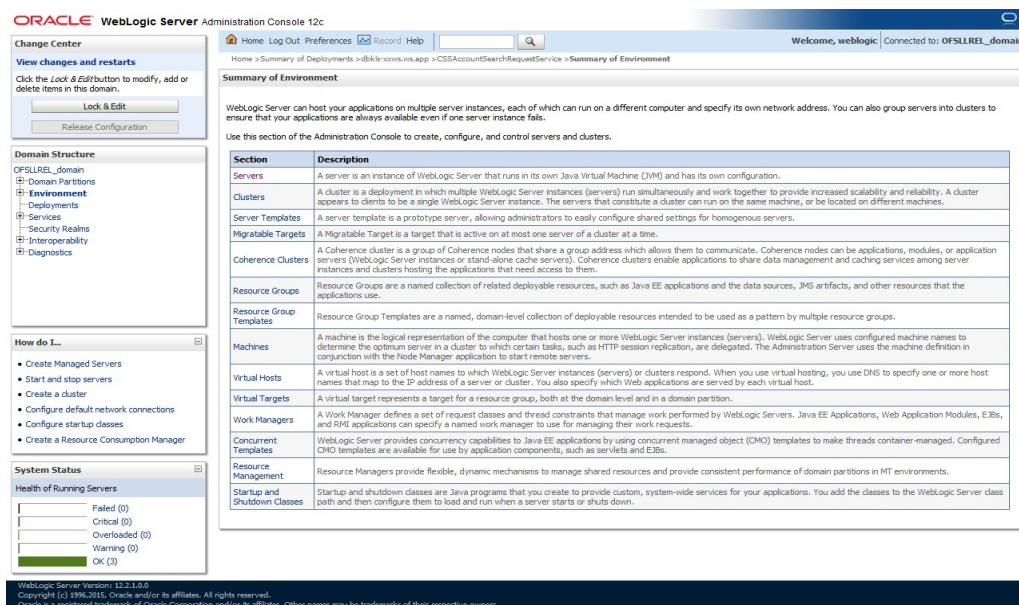
12. Now you will be not able to access the WSDL on http port. Following message will be shown when you access with http URL.



Note

For SSL communication, the vendor servers seek public certificates. Hence, you need to download the certificates from vendor website and import into your java keystore. You then need to configure Weblogic to present the certificates to vendor servers for successful handshake.

13. Select the environment on the left pane. The following window is displayed.



14. Click 'Servers'.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Deployments > dbklr-coxw.ws.app > CSSAccountSearchRequestService > Summary of Environment > Summary of Servers

Welcome, weblogic Connected to: OFSSLREL_domain

Summary of Servers

Configuration Control

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration. This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer (admin)	Configured			RUNNING	OK	7001
OFSSLREL_ManagedServer	Configured		ofall	RUNNING	OK	7003
WebService_ManagedServer	Configured		ofall	RUNNING	OK	7005

Showing 1 to 3 of 3 Previous | Next

15. Select the Server into which the WebServices are deployed.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Deployments > dbklr-coxw.ws.app > CSSAccountSearchRequestService > Summary of Environment > Summary of Servers > WebService_ManagedServer

Welcome, weblogic Connected to: OFSSLREL_domain

Settings for WebService_ManagedServer

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services **Keystores** SSL Federation Services Deployment Migration Tuning Overload Concurrency Health Monitoring Server Start Web Services

Coherence

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Keystores ensure the secure storage and management of private keys and trusted certificate authorities (CAs). This page lets you view and define various keystore configurations. These settings help you to manage the security of message transmissions.

Keystores: Demo Identity and Demo Trust **Change** Which configuration rules should be used for finding the server's identity and trust keystores? **More Info...**

Identify

Demo Identity Keystore: kss://system/demoidentity The location of the demo identity keystore. **More Info...**

Demo Identity Keystore Type: kss The type of the demo identity keystore. Generally, this is JKS or KSS. **More Info...**

Demo Identity Keystore Passphrase: ***** The demo identity keystore's encrypted passphrase. This is read-only and changes will not be applied. **More Info...**

Trust

Demo Trust Keystore: kss://system/trust The location of the demo trust keystore. **More Info...**

Demo Trust Keystore Type: kss The type of the demo trust keystore. Generally, this is JKS or KSS. **More Info...**

Demo Trust Keystore Passphrase: The demo trust keystore's encrypted passphrase. This is read-only and changes will not be applied. **More Info...**

Java Standard Trust Keystore: /scratch/app/jdk1.8.0_66/jre/lib/security/cacerts The location of the java standard trust keystore. **More Info...**

Java Standard Trust Keystore Type: jks The type of the java standard trust keystore. Generally, this is JKS. **More Info...**

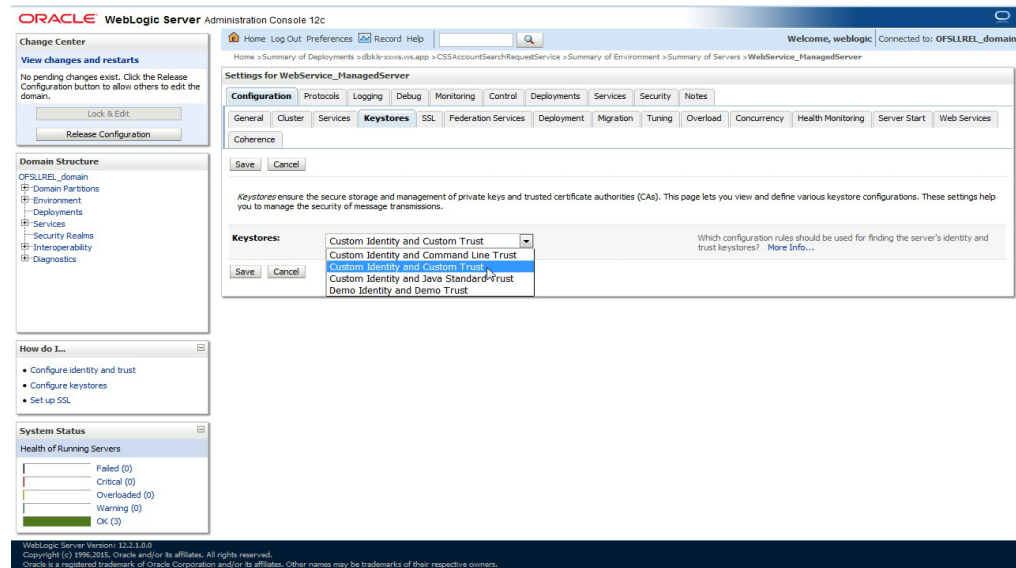
Java Standard Trust Keystore Passphrase: The password for the Java Standard Trust keystore. This password is defined when the keystore is created. **More Info...**

Confirm Java Standard Trust Keystore Passphrase:

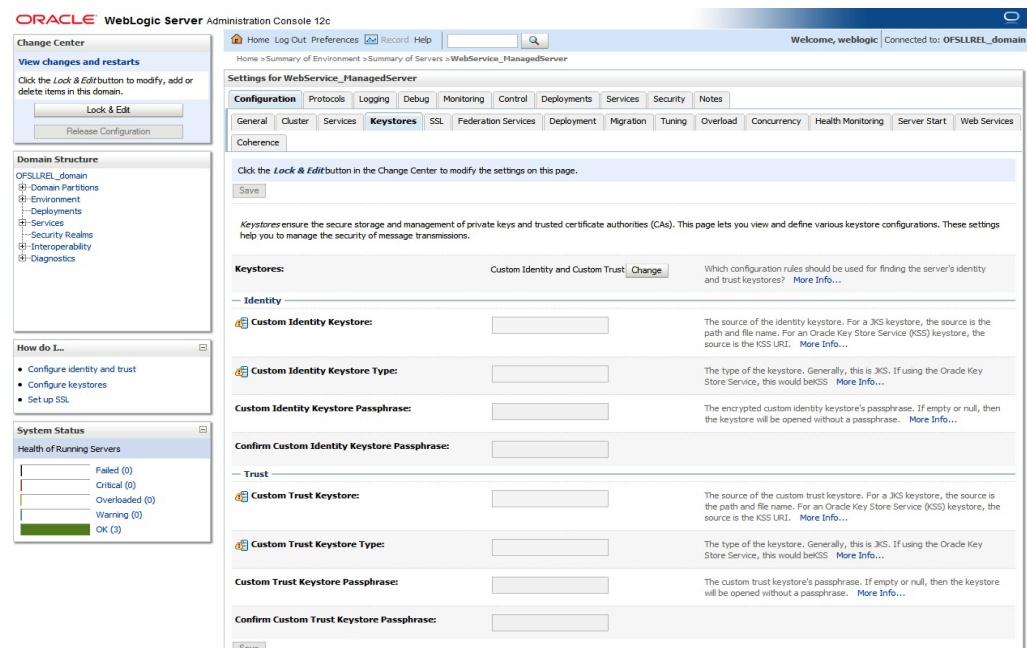
Save

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

16. Select 'Keystores'.



17. Click 'Change' and select 'Custom Identity and Custom trust' from the drop-down list.



Specify

- Custom Identity Keystore: **Java keystore holding the certificates**
- Custom Trust Keystore: **Java keystore holding the certificates**
- Custom Identity Keystore Type: **jks**
- Custom Trust Keystore Type: **jks**
- %Keystore Passphrases: keystore password

18. Click **Save**. The WSDL can be accessed on https port as below. The WS-Policy will be shown in WSDL.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
- <WLSG3N0:definitions name="CSSAccountSearchRequestService" targetNamespace="http://com/ofss/fl/xws/xcs/AccountSearch.wsdl">
- <WLSG3N0:types>
- <xsd:schema targetNamespace="http://com.ofss.fl.xws.xcs/ICSSAccountSearchRequestService.xsd"/>
- <WLSG3N0:types>
- <WLSG3N0:message name="doAccountSearchStr0Request">
- <WLSG3N0:part name="requestStr" type="WLSG3N1:string"/>
- <WLSG3N0:message>
- <WLSG3N0:message name="doAccountSearchStr0Response">
- <WLSG3N0:part name="return" type="WLSG3N1:string"/>
- <WLSG3N0:message>
- <WLSG3N0:portType name="AccountSearchRequestService">
- <WLSG3N0:operation name="doAccountSearch">
- <WLSG3N0:input message="WLSG3N2:doAccountSearchStr0Request" name="doAccountSearchStr0Request"/>
- <WLSG3N0:output message="WLSG3N2:doAccountSearchStr0Response" name="doAccountSearchStr0Response"/>
- <WLSG3N0:operation>
- <WLSG3N0:portType>
- <WLSG3N0:binding name="CSSAccountSearchRequestService" type="WLSG3N2:AccountSearchRequestService">
- <WLSG3N3:binding style="rpc" transport="http://schemas.xmlsoap.org/soap/http"/>
- <WLSG3N0:operation name="doAccountSearch">
- <WLSG3N3:operation style="rpc"/>
- <WLSG3N0:input name="doAccountSearchStr0Request">
- <WLSG3N3:body namespace="CSSAccountSearchRequestService" use="literal"/>
- <WLSG3N0:input>
- <WLSG3N0:output name="doAccountSearchStr0Response">
- <WLSG3N3:body namespace="CSSAccountSearchRequestService" use="literal"/>
- <WLSG3N0:output>
- <WLSG3N0:operation>
- <WLSG3N0:binding>
- <WLSG3N0:service name="CSSAccountSearchRequestService">
- <WLSG3N0:port binding="WLSG3N2:CSSAccountSearchRequestService" name="CSSAccountSearchRequestService">
- <WLSG3N3:address location="http://10.184.150.97:7005/dbkls-xws-app/CSSAccountSearchRequestService"/>
- <WLSG3N0:port>
- <WLSG3N0:service>
- </WLSG3N0:definitions>
```

Apply WS-Policy policy:Wssp1.2-Https-UsernameToken-Plain.xml to the following WebServices.

- CSSAccountDetailsRequestService
- CSSAccountPayOffQuoteRequestService
- CSSAccountSearchRequestService
- CSSPostTransactionsRequestService

5. Verifying Successful Installation

5.1 Steps to Verify Successful Webservices deployment:

1. Making sure that the state is ACTIVE and health in OK in the Weblogic
2. Accessing the WSDL using: `http://<hostname>:<port>/<context root>/CSSAccountDetailsRequestService?WSDL` and receiving error: "No valid XML found"

5.2 Steps to Verify Successful Interface (Route One) deployment:

1. Making sure that the state is ACTIVE and health in OK in the Weblogic
2. Accessing the interface URLs mentioned below from the browser and receiving error: "No valid XML found":
 - `"http://<hostname>:<port>/<context root>/postdt2xws?xaeprc`
 - `"http://<hostname>:<port>/<context root>/postds2xws?xaeprc`
 - `"http://<hostname>:<port>/<context root>/postro2xws?xaeprc`

6. Enable Logging

6.1 Enabling WebService Log

It is not recommended to enable WebServices log while running in production environment. The logging should be enabled in production only for debugging purpose by following the below mentioned steps.

1. The log file path has to be specified in 'logging.properties' file.
2. The file is available inside config folder. Navigate to dbkls-xxws.ws.app/dbkls-xws-web/WEB-INF/classes/config
 - Edit the following with the log file path:
java.util.logging.FileHandler.pattern=<Path>/dbkls_xws_%g.log
3. Restart the managed server (in which services are deployed) with the following argument:

Type	Description
Argument	Djava.util.logging.config.file=<Path of the above logging.properties file>/logging.properties
Example	nohup ./startManagedWebLogic.sh -Djava.util.logging.config.file=<Path of the above logging.properties file>/logging.properties &

4. The login levels can be set through the logging.properties file. Un-comment the level required in the logging.properties file
 - #com.ofss.fll.xws.level=FINEST
 - #com.ofss.fll.xws.level=FINER
 - #com.ofss.fll.xws.level=FINE
 - #com.ofss.fll.xws.level=CONFIG
 - #com.ofss.fll.xws.level=INFO

6.2 Enabling SQL Log for WebServices Component

It is not recommended to enable WebServices SQL log while running in production environment. The logging should be enabled in production only for debugging purpose by following the below mentioned steps:

1. The CMN_DEBUG_LEVEL system parameter should be enabled and set to appropriate non-zero value.
2. The CMN_DEBUG_METHOD system parameter should be enabled and set to appropriate non-zero value.

3. The respective package debug level for the webservice should be enabled and set to appropriate non-zero value in system parameter. Please refer the below table to for the service and debug level mapping.

Service	Functionality		
DialerIntegrator: xcsadi_em_100_01	To receive loan application from dealer track: XAEPRC_EM_100_01	To receive edocs application update : XAE-EDS_EM_100_01	To receive loan application from route one: XAE-PRC_EM_100_01
CSSAccountDetailsRequestService: XCSPRC_EM_100_01	To receive loan application/deal update from dealer track: XAEUP-D_EM_100_01	To receive edocs comment update : XAE-EDS_EM_100_01	To receive loan application/deal refresh from route one : XAEUP-D_EM_100_01
CSSAccountSearchRequestService: XCSACS_EM_100_01	To receive comments from dealer track : XAEPRC_EM_100_01	To receive edocs location update : XAE-EDS_EM_100_01	To receive comments from route one: XEAUP-D_EM_100_01
CSSPostTransactionsRequestService: XCSUP-D_EM_100_01	To post comments to dealer track: XAECHK-EM_100_01		To post comments to route one: XAECHK-EM_100_01
CSSAccountPayOffQuoteRequestService: N/A	To post application status to dealer track: XAECHK_EM_100_01		To post application status to route one: XAECHK-EM_100_01
LOSeApplicationRequestService: XAE-EDS_EM_100_01	To post dealer details to dealer track: XPR-PRC_EM_100_01		To post dealer details to dealer track: XPR-PRC_EM_100_01
LOSeApplicationRequestService: XAE-PRC_EM_100_01			
LOSeApplicationSearchRequestService: XAE-QUE_EM_100_01			
LOSeApplicationLocationUpdateService: XAE-EDS_EM_100_01			

Service	Functionality		
LOSApplication-CommentUpdate-Service: XAE-EDS_EM_100_01			
LOSPostStatusRequestService: XAECH-K_EM_100_01			
LOSApplicationUpdateService: XAEUP-D_EM_100_01			
LOSCheckStatus-RequestService: XAECH-K_EM_100_01			
LOSEcontractService: XACPRC_EM_100_01			

7. Configure AQ-JMS Bridge

The following steps are to be performed to configure the AQ-JMS Bridge through the Weblogic Console:

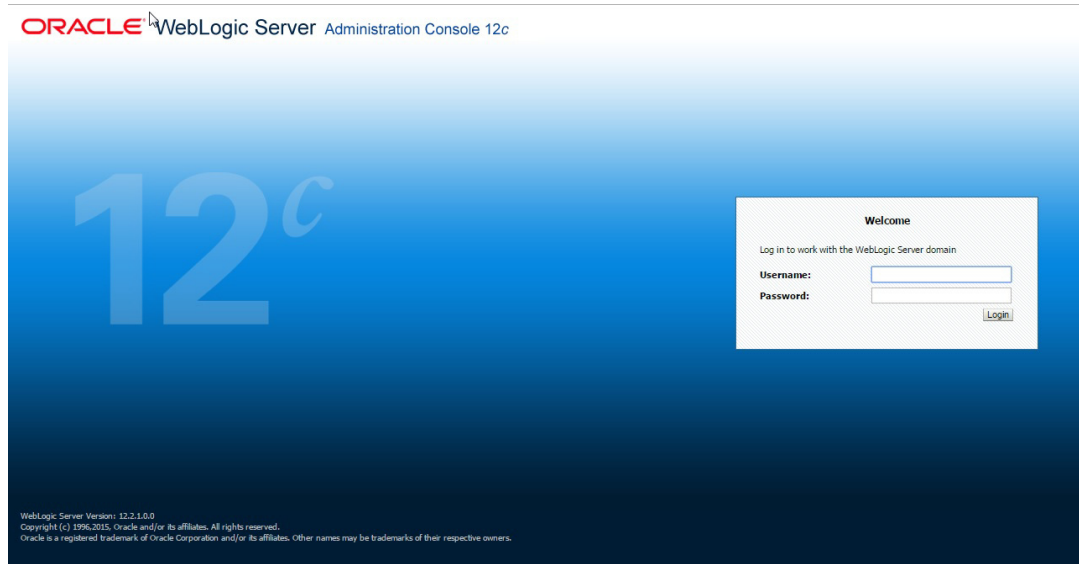
- Create Data Sources for AQ-JMS Bridge
- Configure MDB Flow
- Create Credentials and System Policies
- Deploy MDB EJB

Note

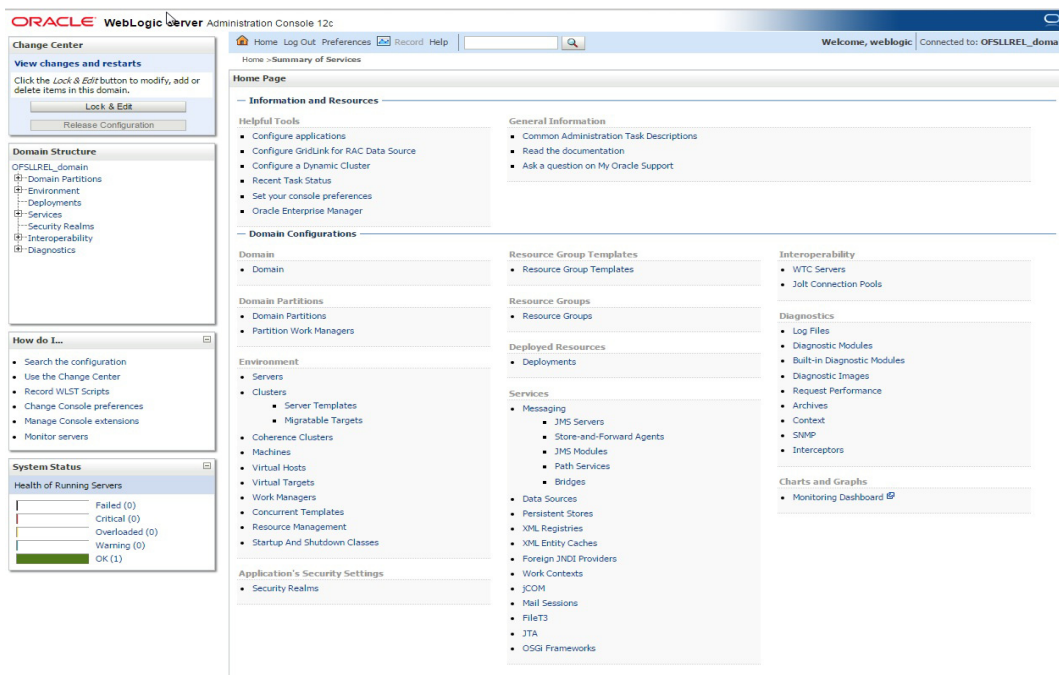
Ensure that MDB EJB is not configured and deployed (i.e. OfstlAppQueue.ear deployment) on the same server on which the other WebServices are deployed.

7.1 Create Data Sources for AQ-JMS Bridge

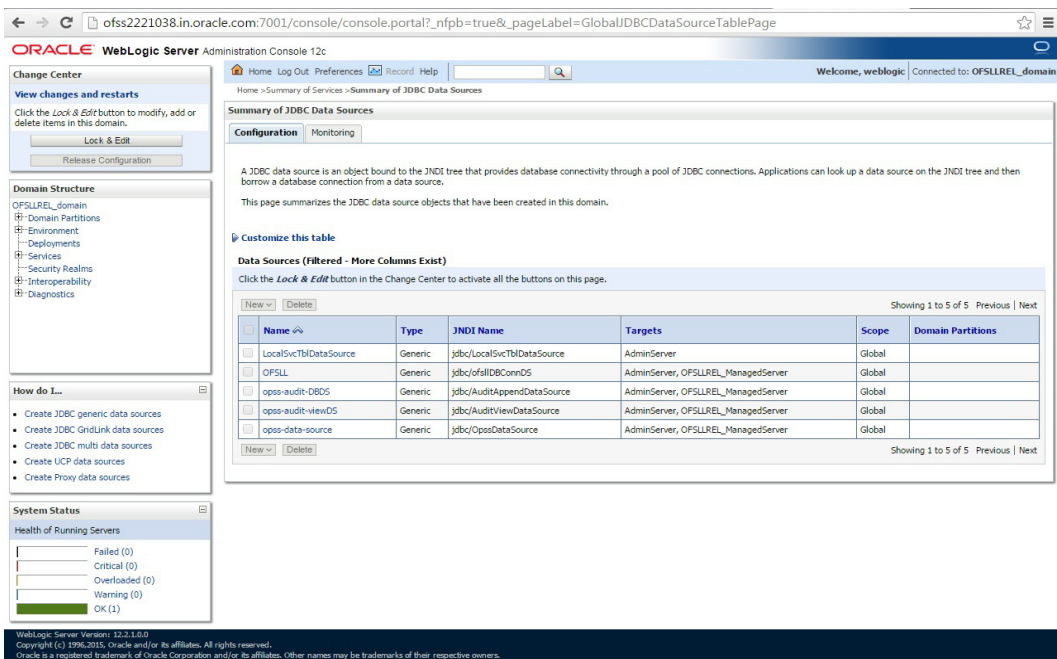
1. Login to Oracle Weblogic 12c console (<http://hostname:port/console>).



2. On successful login, the following window is displayed.



3. Click Domain Name > Services > Data Sources. The following window is displayed.



- Click 'Lock & Edit' button on the left panel. Click 'New' on right panel and select 'Generic Data Source'.

Oracle WebLogic Server Administration Console 12c

Home > Summary of Services > Summary of JDBC Data Sources

Welcome, weblogic | Connected to: OFSLREL_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
OFSLREL_domain
├─ Domain Partitions
├─ Environment
├─ Deployments
├─ Services
├─ Security Realms
├─ Interoperability
└─ Diagnostics

How do I...
• Create JDBC generic data sources
• Create JDBC GridLink data sources
• Create JDBC multi data sources
• Create UCP data sources
• Create Proxy data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Summary of JDBC Data Sources
Configuration | Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.
This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table
Data Sources (Filtered - More Columns Exist)

Type	JNDI Name	Targets	Scope	Domain Partitions
Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
Generic	jdbc/ofallJDBCConnDS	AdminServer, OFSLREL_ManagedServer	Global	
Generic	jdbc/AuditAppendDataSource	AdminServer, OFSLREL_ManagedServer	Global	
Generic	jdbc/AuditViewDataSource	AdminServer, OFSLREL_ManagedServer	Global	
Generic	jdbc/OpsdsDataSource	AdminServer, OFSLREL_ManagedServer	Global	

Showing 1 to 5 of 5 Previous | Next

- The following window is displayed.

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:

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

Scope: [v]

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

JNDI Name:

What database type would you like to select?

Database Type: [v]

[Back] [Next] [Finish] [Cancel]

- Specify the following details:
 - Enter Data source Name
 - Enter the JNDI Name as 'jdbc/aqjmsdb'.

Note

If required, you can specify any other JNDI name, but however ensure to use the same JNDI name during other configuration steps.

- Select 'Oracle' as Database Type.

7. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window. At the top, there is a title bar 'Create a New JDBC Data Source' and a set of navigation buttons: 'Back', 'Next', 'Finish', and 'Cancel'. Below this is the section 'JDBC Data Source Properties' with the text: 'The following properties will be used to identify your new JDBC data source.' The 'Database Type:' is set to 'Oracle'. Below this is a note: 'What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.' The 'Database Driver:' is set to '*Oracle's Driver (Thin XA) for Service connections; Versions:Any' with a dropdown arrow. At the bottom, there is another set of navigation buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

8. Select the Database Driver 'Oracle's Driver(Thin XA) for Services connections;Versions:Any'.

9. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window. At the top, there is a title bar 'Create a New JDBC Data Source' and a set of navigation buttons: 'Back', 'Next', 'Finish', and 'Cancel'. Below this is the section 'Transaction Options' with the text: '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.' At the bottom, there is another set of navigation buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

10. Click 'Next'. The following window is displayed.

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:

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

Host Name:

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

Port:

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

Database User Name:

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

Password:

Confirm Password:

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

Back

Next

Finish

Cancel

11. Enter the Database details.

12. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window with the 'Test Database Connection' tab selected. The window has a title bar and a set of navigation buttons at the top: 'Test Configuration', 'Back', 'Next', 'Finish', and 'Cancel'. The main content area contains the following sections:

- Test Database Connection**: A heading followed by the instruction 'Test the database availability and the connection properties you provided.'
- Driver Class Name**: A text field containing 'oracle.jdbc.xa.client.OracleXADataSource'. Above it is the question 'What is the full package name of JDBC driver class used to create database connections in the connection pool?' and a note: '(Note that this driver class must be in the classpath of any server to which it is deployed.)'
- URL**: A text field containing 'jdbc:oracle:thin:@//ofssl.oracle.com:1521/OFSLMDB'. Above it is the question 'What is the URL of the database to connect to? The format of the URL varies by JDBC driver.'
- Database User Name**: A text field containing 'OFSLREL'. Above it is the question 'What database account user name do you want to use to create database connections?'
- Password**: A password field (masked with dots) containing a password. Above it is the question 'What is the database account password to use to create database connections?' and a note: '(Note: for secure password management, enter the password in the Password field instead of the Properties field below)'. Below the password field is a 'Confirm Password' field, also masked with dots.
- Properties**: A text area containing 'user=OFSLREL'. Above it is the question 'What are the properties to pass to the JDBC driver when creating database connections?'

13. Click 'Test Configuration'. On completion, displays a confirmation message as 'Connection test succeeded'.

14. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window with the 'Select Targets' tab selected. The window has a title bar and a set of navigation buttons at the top: 'Back', 'Next', 'Finish', and 'Cancel'. The main content area contains the following sections:

- Select Targets**: A heading followed by the instruction 'You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time.'
- Servers**: A table with three rows, each with a checkbox and a server name.

Servers	
<input type="checkbox"/>	AdminServer
<input checked="" type="checkbox"/>	OFSLREL_ManagedServer
<input type="checkbox"/>	WebService_ManagedServer

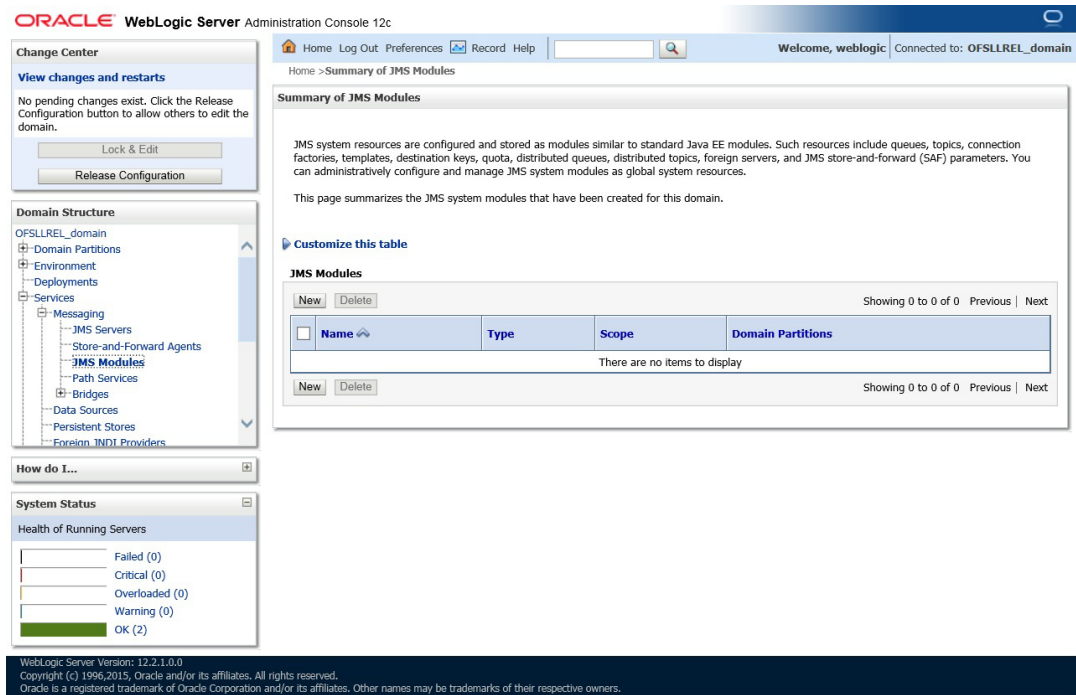
15. Select target Server as 'OFSLREL_ManagedServer'.

16. Click 'Finish' to activate the changes.

7.2 Configure MDB Flow

To configure the MDB Flow from Weblogic Console, do the following:

1. Login to Oracle Weblogic 12c console (<http://hostname:port/console>).
2. On the left pane, click 'Services'.
3. In Messaging tree click 'JMS Modules'. The following window is displayed.



4. Click 'New'. The following screen is displayed.

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:

Back Next Finish Cancel

5. Specify the following details:

- Name: AQJMSModule
- Descriptor File Name: AQJMSModule

6. Click 'Next'. The following window is displayed.

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
<input type="checkbox"/> AdminServer
<input checked="" type="checkbox"/> OFSLLREL_ManagedServer
<input type="checkbox"/> WebService_ManagedServer

Back Next Finish Cancel

7. Select target servers as 'OFSLLREL_ManagedServer'.

8. Click 'Next'. The following window is displayed.

Create JMS System Module

Back Next Finish Cancel

Add resources to this JMS system module

Use this page to indicate whether you want to immediately add resources to this JMS system module after it is created. JMS resources include queues, topics, connection factories, etc.

☐ Would you like to add resources to this JMS system module?

Back Next Finish Cancel

9. Click 'Finish' to activate the changes. The following window is displayed.

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

New Delete Showing 1 to 1 of 1 Previous Next

<input type="checkbox"/>	Name ↕	Type	Scope	Domain Partitions
<input type="checkbox"/>	AQJMSModule	JMSSystemResource	Global	

New Delete Showing 1 to 1 of 1 Previous Next

10. Click on the JMS Module that you created. The following window is displayed.

Settings for AQJMSModule

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:	AQJMSModule	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:	AQJMSModule-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 0 to 0 of 0 Previous | Next

<input type="checkbox"/>	Name	Type	JNDI Name	Subdeployment	Targets
There are no items to display					

New Delete Showing 0 to 0 of 0 Previous | Next

11. Click 'New' in 'Summary of Resources' section. The following window is displayed.

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.

<input type="radio"/> Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info...
<input type="radio"/> 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...
<input type="radio"/> 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...
<input type="radio"/> 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...
<input type="radio"/> 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...
<input checked="" type="radio"/> Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info...

12. Select 'Foreign Server' as the option for type of resource to be created.

13. Click 'Next'. The following window is displayed.

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 :

Servers
<input checked="" type="checkbox"/> OFSLLREL_ManagedServer

Back Next **Finish** Advanced Targeting Cancel

14. Click 'Finish' and activate the changes. The following window is displayed.

Settings for AQJMSModule

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:	AQJMSModule	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:	AQJMSModule-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

<input type="checkbox"/>	Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	AQForeignServer	Foreign Server	N/A	Default Targeting	OFSLLREL_ManagedServer

New Delete Showing 1 to 1 of 1 Previous | Next

15. Click on the Foreign Server that you created. The following window is displayed.

Settings for AQForeignServer

Configuration Subdeployment Notes

General Destinations Connection Factories

Save

A foreign server represents a JNDI provider that resides outside a WebLogic Server. It contains information that allows WebLogic Server to reach the remote JNDI provider. This way, a number of connection factory and destination objects (queues or topics) can be defined on one JNDI directory. Use this page to configure a foreign server.

Name: AQForeignServer The name of this foreign server. [More Info...](#)

JNDI Initial Context Factory: oracle.jms.AQjmsInitialContextFactory The name of the class that must be instantiated to access the JNDI provider. This class name depends on the JNDI provider and the vendor that are being used. [More Info...](#)

JNDI Connection URL: The URL that WebLogic Server will use to contact the JNDI provider. The syntax of this URL depends on which JNDI provider is being used. For WebLogic JMS, leave this field blank if you are referencing WebLogic JMS objects within the same cluster. [More Info...](#)

JNDI Properties Credential: Any Credentials that must be set for the JNDI provider. These Credentials will be part of the properties will be passed directly to the constructor for the JNDI provider's InitialContext class. Note: For secure credential management, use the Credential field. Using the Properties field results in the credential being stored and displayed as originally entered [More Info...](#)

Confirm JNDI Properties Credential:

JNDI Properties: datasource=jdbc/aqjmsdb Any additional properties that must be set for the JNDI provider. These properties will be passed directly to the constructor for the JNDI provider's InitialContext class. [More Info...](#)

☒ **Default Targeting Enabled** Specifies whether this JMS resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. [More Info...](#)

Save

16. Specify the following details:

- Enter JNDI Initial Context Factory as 'oracle.jms.AQjmsInitialContextFactory'.
- JNDI Properties as 'datasource=jdbc/aqjmsdb'.
- Ensure 'Default Targeting Enabled' option is selected.

17. Click 'Save'.

18. Select 'Destinations' Tab and click 'New' to create new destination. The following window is displayed.

Create a New Foreign JMS Destination

OK Cancel

Foreign Destination Properties

The following properties will be used to identify your new foreign destination.

* Indicates required fields

* Name: AQJMSQueue

Local JNDI Name: /jms/aq/OfsllQueue

Remote JNDI Name: Queues/OFSLL_OUTBOUND_Q x

OK Cancel

19. Specify the following details:
- Name: AQJMSQueue
 - LocalJNDI Name: /jms/aq/OfsllQueue
 - Remote JNDI Name: Queues/OFSLL_OUTBOUND_Q

20. Click 'OK' and save the changes.

21. Select 'Connection Factories' Tab and click 'New' to add new connection factory. The following window is displayed.

Create a New Foreign JMS Connection Factory

OK Cancel

Foreign Connection Factory Properties

The following properties will be used to identify your new foreign connection factory.

* Indicates required fields

* Name: AQofsllCF x

Local JNDI Name: /jms/aq/OfsllCF

Remote JNDI Name: XAQueueConnectionFactory

OK Cancel

22. Specify the following details:
- Name: AQofsllCF
 - Local JNDI Name: /jms/aq/OfsllCF
 - Remote JNDI Name: XAQueueConnectionFactory

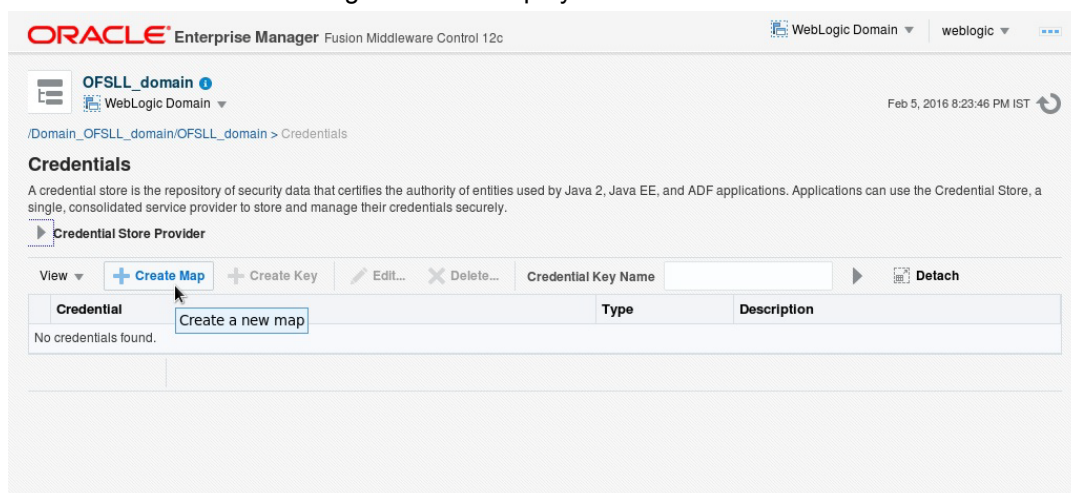
23. Click 'OK' and save the changes.

7.3 Create Credentials and System Policies

In order Configure MDB flow, you need to create credentials and system policies. The credentials are accessed through CSF framework which is managed by Oracle Weblogic Server. The keys are managed by Maps and Maps need to be given with Permissions.

1. Login to Oracle Enterprise Manager (<http://hostname:port/em>).

2. On the left panel, right click on OFSLL_domain and select Security > System Policies > Credentials. The following window is displayed.



3. Click 'Create Map'. The following window is displayed.

4. Enter Map Name as 'ofsl.int.bureau' and click 'OK'.
5. Click 'Create Key'. The following window is displayed.

6. Specify the following details:
 - Select Map as 'ofsl.int.bureau' from the drop down list.
 - Specify Key as 'jdbc_ds_key'
 - Select Type as 'Generic' from the drop down list.
 - Specify the Credential as 'jdbc/aqjmsdb'.
7. Click 'OK'.

8. Similarly you need to create the following Maps and corresponding keys as indicated in following table.

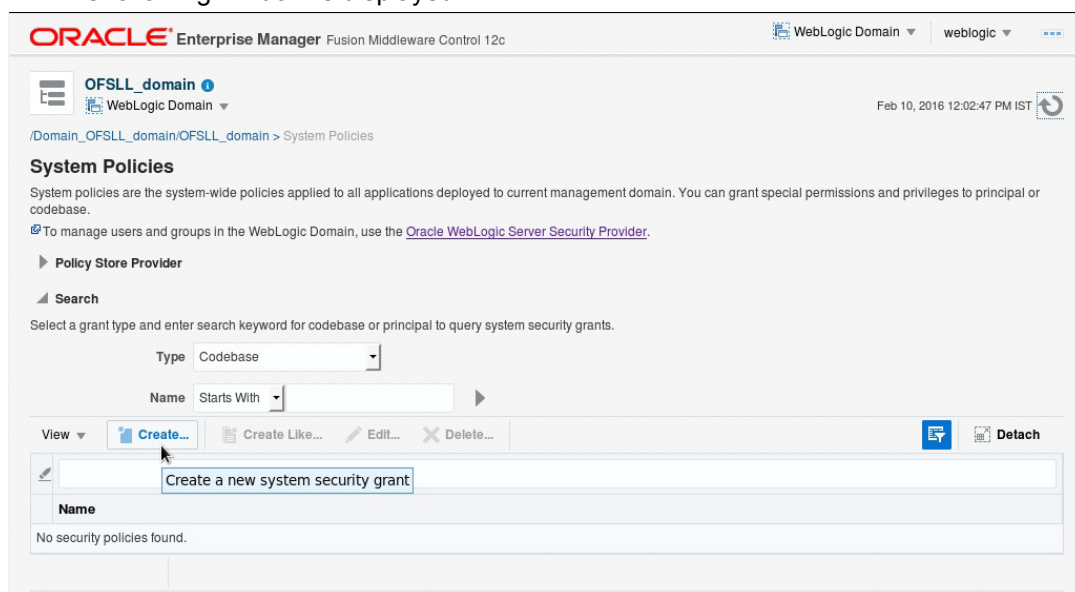
Maps	Keys	Description
ofssl.int.bureau		This map is used to setup keys for all credit bureau interfaces
	ProxyServer	Name of the proxyServer to be configured
	ProxyPort	Port to which ProxyServer is running.
	ExpEcalsURL	The Experian Connection URL to be configured.
	ExpDirectExperianEnabled	If you set value as true, then you would be setting ecals response URL. Else, the Ecals request URL
	ExpCertPath	The location of .jks file which contains the valid certificate for Experian Credit Bureau.
	ExpBusUserNamePassword	Login Credentials to be configured for Experian Business reports.
	ExpConUserNamePassword	Login Credentials to be configured for Experian Consumer reports.
	EfxURL	The Equifax Connection URL to be configured.
	EfxCertPath	The location of .jks file which contains the valid certificate for Equifax Credit Bureau.
	EfxUserNamePassword	Login credentials to be configured for accessing Equifax Reports.
	TucCertPath	The location of .p12 file which contains valid certificate for Transunion Bureau .
	TucCertPassword	The password that requires to read the valid .p12 certificate for the Transunion Bureau.
	TucUserNamePassword	Login credentials to be configured for accessing Transunion reports
	TucConnectionURL	The Transunion URL to be configured.
ofssl.int.outbound		This map is used to setup keys for the RouteOne and Dealer track call back from OFSLL.
	roUserNamePassword	Login Credentials used at the time of call back from OFSLL to RouteOne Interface.
	dtUsernamePassword	Login Credentials used at the time of Call back from OFSLL to Dealer Track Interface.
ofssl.int.bip		This Map is used to setup all the Keys required to setup interface with BIP to generate reports.
	local_top_dir	Define the path of the local BIP server where you would like place the generated BIP reports.

Maps	Keys	Description
	email_from_addr	Define the From Email address to be used while sending email for the generated BIP reports.
	emailBodyContentPath	The path for 'file.properties' file that contains the content of the subject and body required while sending letter, report or correspondence as mail to the applicant or producer. For example; /tmp/file.properties *Refer to note below for details on 'file.properties' file creation for email configuration.
	fax_server	Configure the name of Fax server to be used to fax the generated BIP reports.
ofssl.int.file transfer		This map is used to setup keys for all credit bureau interfaces
	sftp_key	Credentials to login to SFTP server(Username/ Password)
	sftp_top_dir	Top root directory for SFTP server
	sftp_servers	SFTP server names
ofssl.int.se curity	bip_key	This is BIP login credentials

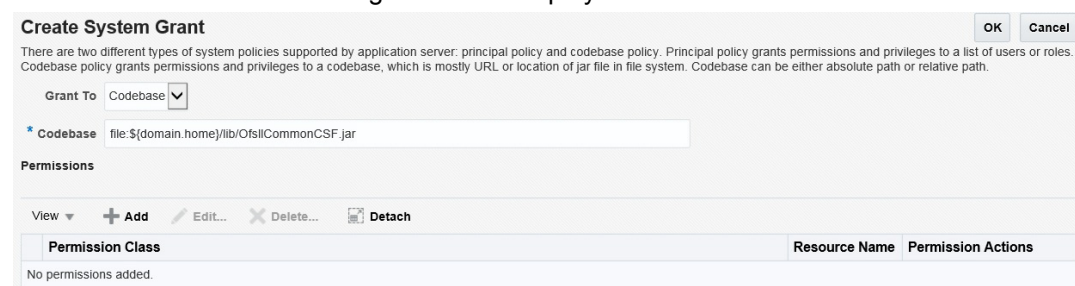
* A new file(file.properties) needs to be created and copied to the application server in the same path as mentioned in the value corresponding to the key 'emailBodyContentPath' under the map 'ofssl.int.bip'. The file should have the following contents:

- letter_subject='Text that is configurable and would be the subject of the mail'
- letter_body='Text that is configurable and would be the body of the mail'
- correspondence_subject='Text that is configurable and would be the subject of the mail'
- correspondence_body='Text that is configurable and would be the body of the mail'
- report_subject='Text that is configurable and would be the subject of the mail'
- report_body='Text that is configurable and would be the body of the mail'

9. On the left panel, right click on OFSLL_domain and select Security > System Policies. The following window is displayed.

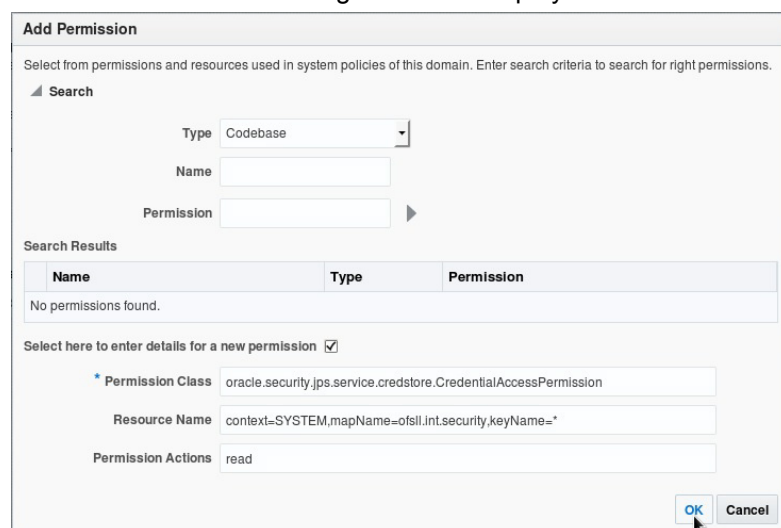


10. Click 'Create'. The following window is displayed.



11. Enter the codebase as 'file:\${domain.home}/lib/OfsllCommonCSF.jar'

12. Click 'Add'. The following window is displayed.



13. Select the check box 'Select here to enter details for a new permission'.

14. Specify the following details as the first permission class.

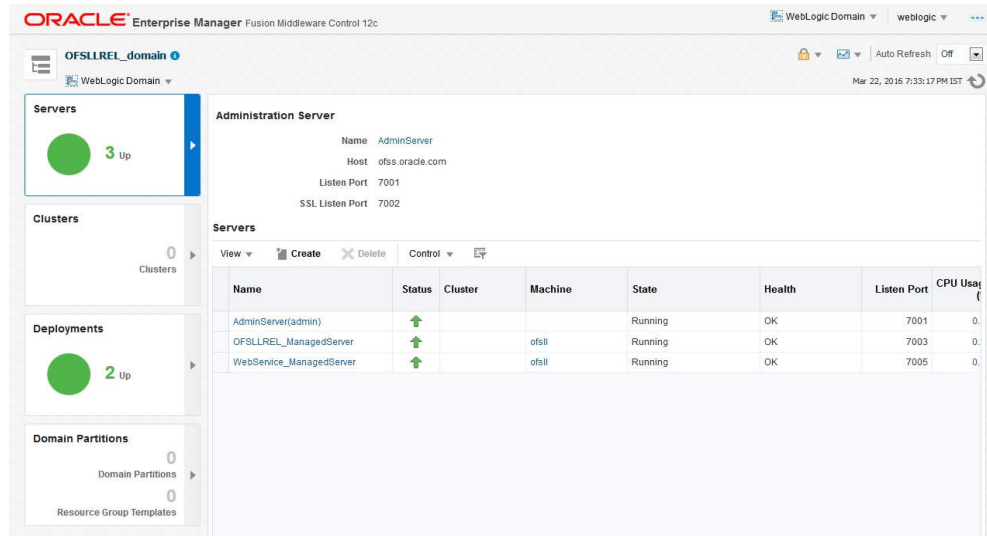
Permission Class	Resource Name	Permission Actions
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.int.bureau,keyName=*	read
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.int.filetransfer,keyName=*	read
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.int.outbound,keyName=*	read
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.int.bip,keyName=*	read
oracle.security.jps.service.cred-store.CredentialAccessPermission	context=SYSTEM,mapName=ofsll.http.listener.jndi,keyName=*	read

15. Click 'OK'.

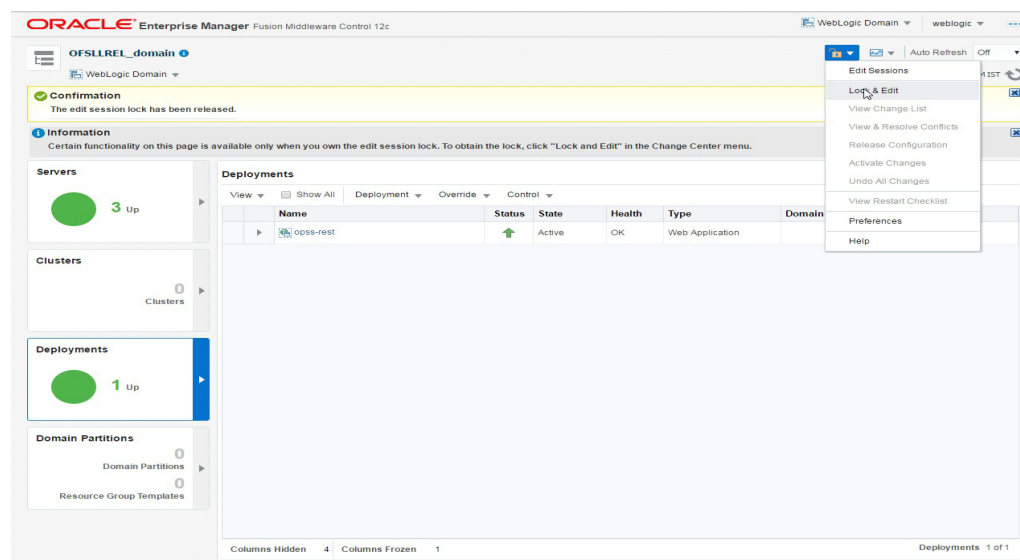
7.4 Deploy MDB EJB

1. Login to Web Logic application server enterprise manager (e.g.:<http://hostname:port/em>)

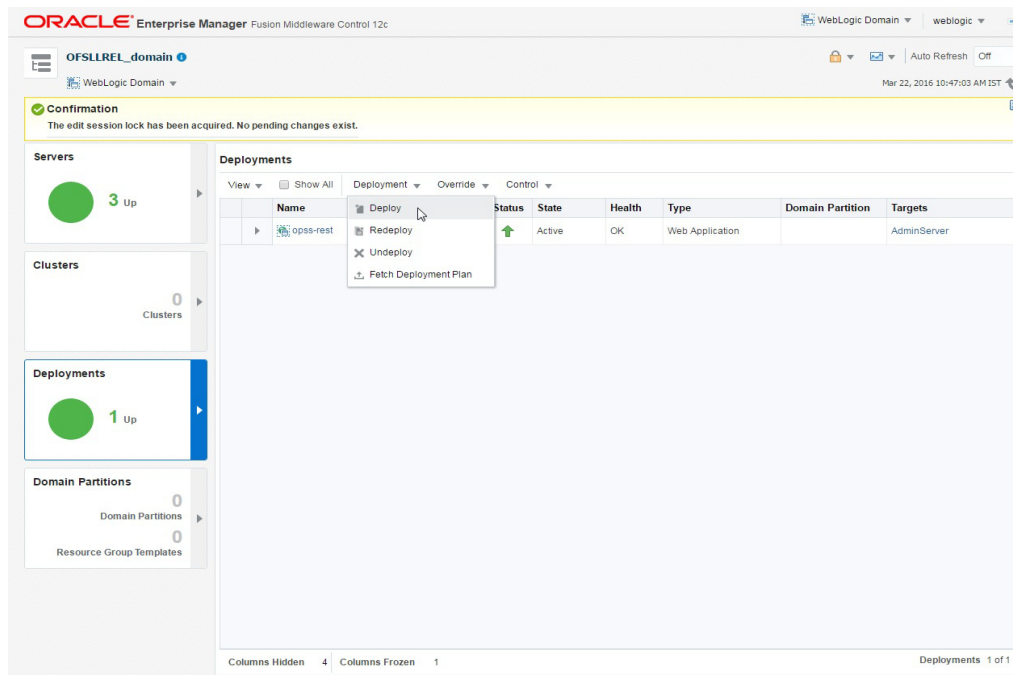
2. Enter valid login credentials. The following window is displayed.



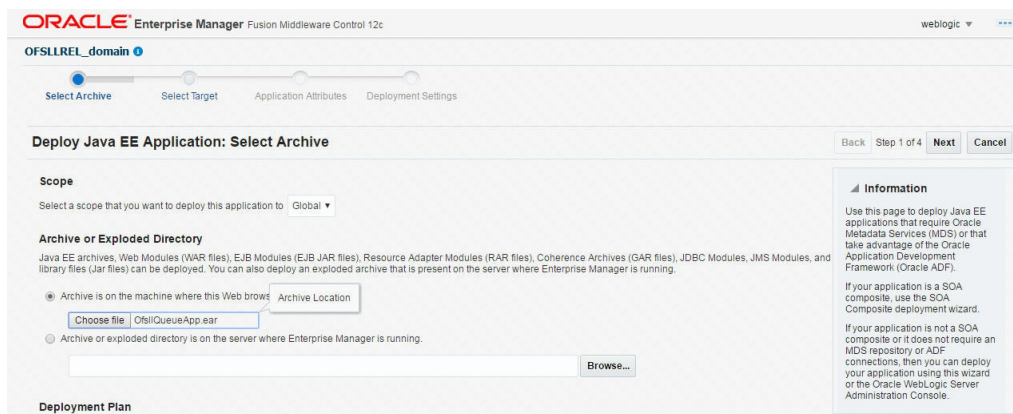
3. Click 'Deployment' in the left panel.
4. Select 'Lock & Edit' option in the lock drop-down list available in the header. The following window is displayed.



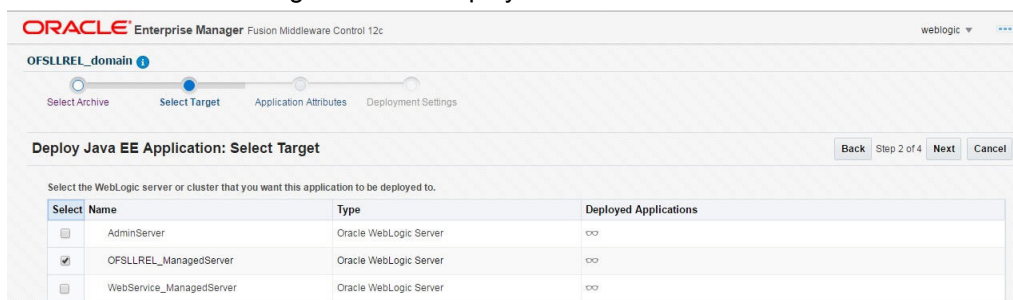
5. Select 'Deploy' from the Deployment drop-down list. The following window is displayed.



6. The following window is displayed.

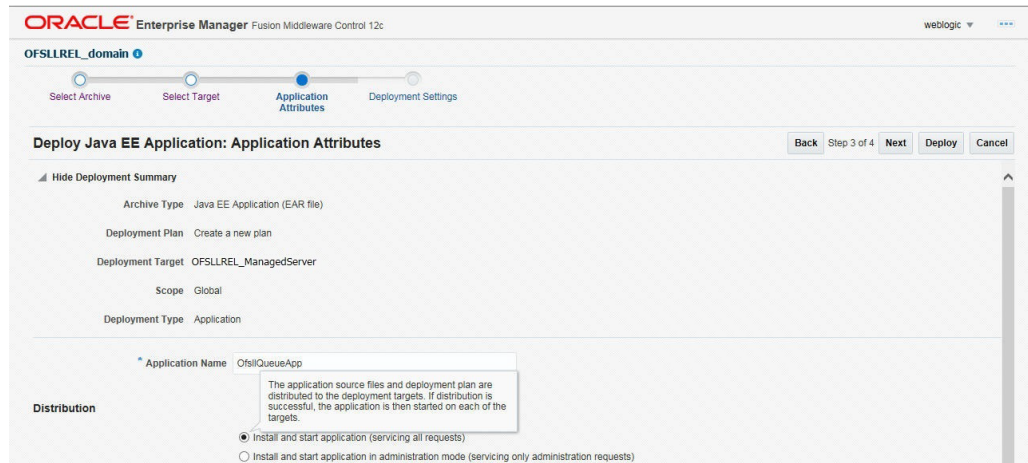


7. Browse to the folder containing the MDB EJB. Eg: C:/OfsllQueueApp.ear
8. Click 'Next'. The following window is displayed.



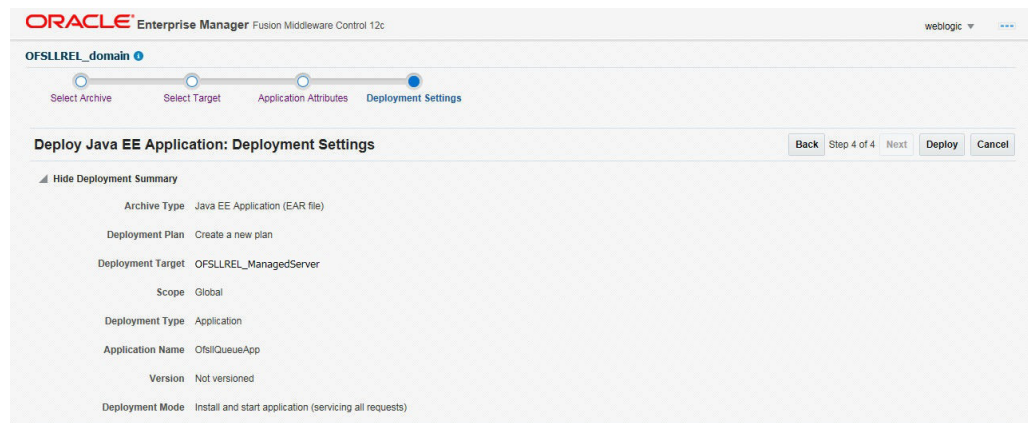
9. Select the server on which the MDB EJB needs to be deployed.

10. Click 'Next'. The following window is displayed.

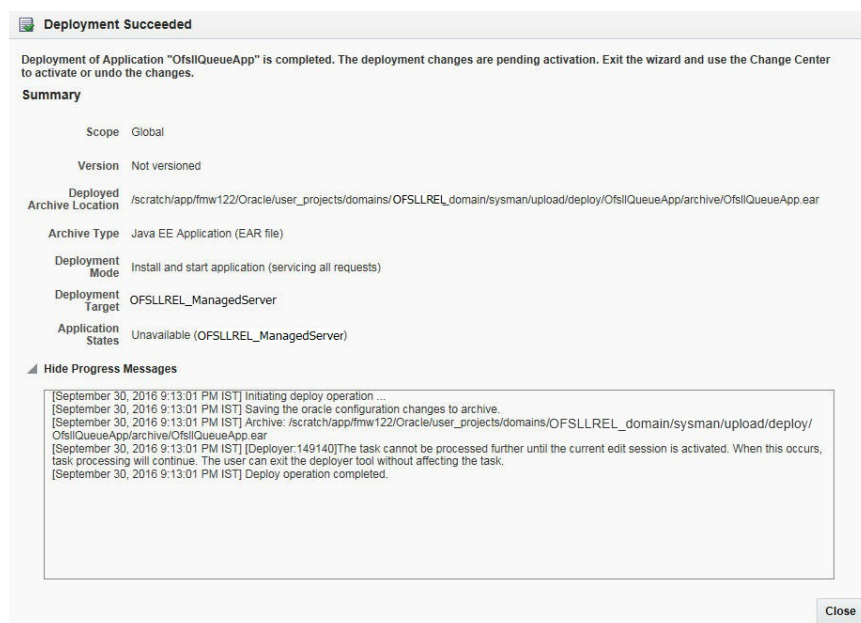


11. Select the option 'Install and start application (servicing all requests)'.

12. Check the context root and click 'Next'. The following window is displayed.



13. Click 'Deploy'. On successful deployment, the following window is displayed.



14. Click 'Close'. Post deployment, you need to activate the changes by selecting 'Active Changes' option from 'Edit Session' drop-down list as indicated in step 4 above.

Note

While starting the 'OFSLLREL_ManagedServer', always start with option '-DUseSun-HttpHandler=true' to enforce the weblogic server to uses SUN SSL implementation.

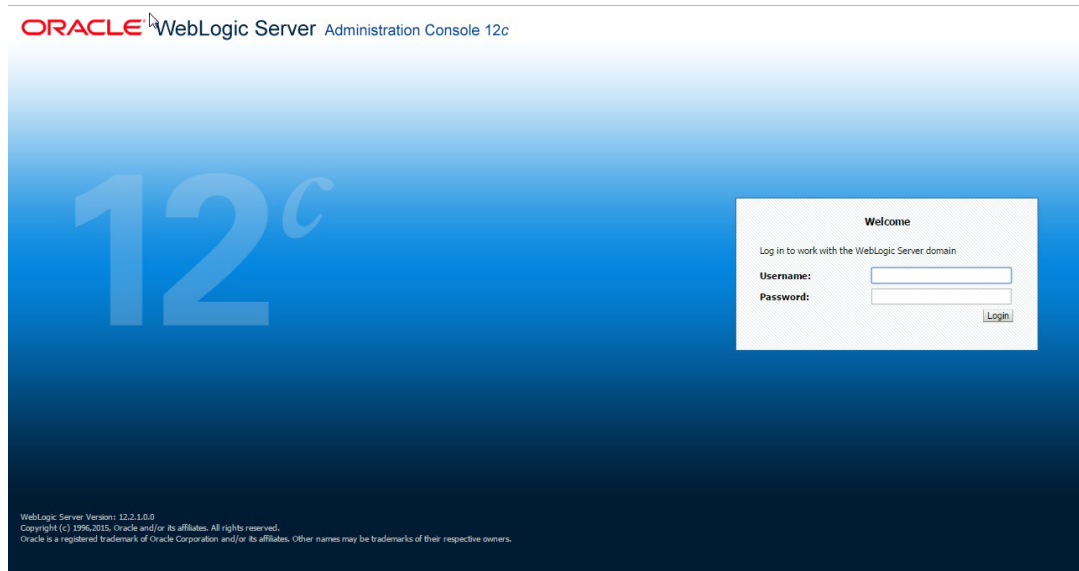
8. Configuring RESTful WebService

Follow the below steps to configure RESTful WebService.

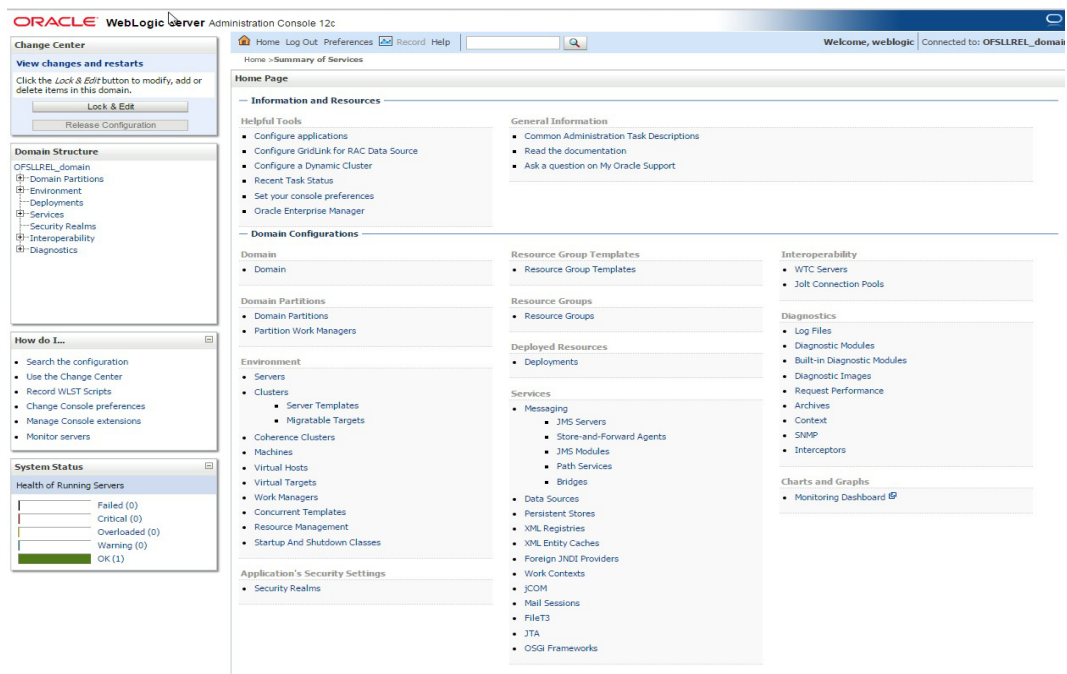
- Create Data Source for RESTful WebService
- Deploy RESTful WebService

8.1 Create Data Sources for RESTful WebService

1. Login to Oracle Weblogic 12c console (<http://hostname:port/console>).



2. On successful login, the following window is displayed.



3. Click Domain Name > Services > Data Sources. The following window is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console at the URL `ofss2221038.in.oracle.com:7001/console/console.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourceTablePage`. The page title is "Summary of JDBC Data Sources". The left sidebar contains a "Domain Structure" tree with "OFSSLREL_domain" selected, and a "Change Center" panel with "Lock & Edit" and "Release Configuration" buttons. The main content area shows a table of JDBC data sources. The table has columns: Name, Type, JNDI Name, Targets, Scope, and Domain Partitions. The table lists five data sources: LocalSvcTbDataSource, OFSSL, opss-audit-DBDS, opss-audit-viewDS, and opss-data-source. The "New" button in the top left of the table is highlighted.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
LocalSvcTbDataSource	Generic	jdbc/LocalSvcTbDataSource	AdminServer	Global	
OFSSL	Generic	jdbc/ofallDBConnDS	AdminServer, OFSSLREL_ManagedServer	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, OFSSLREL_ManagedServer	Global	
opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, OFSSLREL_ManagedServer	Global	
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, OFSSLREL_ManagedServer	Global	

4. Click 'Lock & Edit' button on the left panel. Click 'New' on right panel and select 'Generic Data Source'.

The screenshot shows the Oracle WebLogic Server Administration Console at the URL `ofss2221038.in.oracle.com:7001/console/console.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourceTablePage`. The page title is "Summary of JDBC Data Sources". The left sidebar contains a "Domain Structure" tree with "OFSSLREL_domain" selected, and a "Change Center" panel with "Lock & Edit" and "Release Configuration" buttons. The main content area shows a table of JDBC data sources. The table has columns: Name, Type, JNDI Name, Targets, Scope, and Domain Partitions. The table lists five data sources: LocalSvcTbDataSource, OFSSL, opss-audit-DBDS, opss-audit-viewDS, and opss-data-source. The "New" button in the top left of the table is highlighted.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
LocalSvcTbDataSource	Generic	jdbc/LocalSvcTbDataSource	AdminServer	Global	
OFSSL	Generic	jdbc/ofallDBConnDS	AdminServer, OFSSLREL_ManagedServer	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, OFSSLREL_ManagedServer	Global	
opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, OFSSLREL_ManagedServer	Global	
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, OFSSLREL_ManagedServer	Global	

5. The following window is displayed.

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: OfslRest

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: jdbc/OfslWSDS

What database type would you like to select?

Database Type: Oracle

Back Next Finish Cancel

6. Specify the following details:

- Enter Data source Name
- Enter the JNDI Name as 'jdbc/ofslWSDS'.
- Select 'Oracle' as Database Type.

7. Click 'Next'. The following window is displayed.

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 Service connections; Versions:Any

Back Next Finish Cancel

8. Select the Database Driver 'Oracle's Driver(Thin) for Services connections;Versions:Any'.

9. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window with the 'Transaction Options' tab selected. At the top, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. The main content area is titled 'Transaction Options' and contains the following text: 'You have selected non-XA JDBC driver to create database connection in your new data source.' Below this, a question asks: 'Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.' There are three radio button options: 'Supports Global Transactions' (which is selected), 'Logging Last Resource', and 'Emulate Two-Phase Commit'. Each option has a descriptive paragraph below it. The 'Supports Global Transactions' option states: '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.' The 'Logging Last Resource' option states: '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.' The 'Emulate Two-Phase Commit' option states: '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.' At the bottom, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

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

10. Click 'Next'. The following window is displayed.

The screenshot shows the 'Create a New JDBC Data Source' window with the 'Connection Properties' tab selected. At the top, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. The main content area is titled 'Connection Properties' and contains the following text: 'Define Connection Properties.' Below this, a question asks: 'What is the name of the database you would like to connect to?'. There is a text input field labeled 'Database Name:' with the value 'OFSLLDDB' and a close button 'x'. Below this, another question asks: 'What is the name or IP address of the database server?'. There is a text input field labeled 'Host Name:' with the value 'ofsl.oracle.com'. Below this, a third question asks: 'What is the port on the database server used to connect to the database?'. There is a text input field labeled 'Port:' with the value '1521'. Below this, a fourth question asks: 'What database account user name do you want to use to create database connections?'. There is a text input field labeled 'Database User Name:' with the value 'OFSLREL'. Below this, a fifth question asks: 'What is the database account password to use to create database connections?'. There are two text input fields labeled 'Password:' and 'Confirm Password:', both containing masked characters (dots). At the bottom, there is a section titled 'Additional Connection Properties:' with a text input field labeled 'oracle.jdbc.DRCPConnectionClass:'. At the very bottom, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

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: OFSLLDDB x

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

Host Name: ofsl.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: OFSLREL

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

Password:

Confirm Password:

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

Back Next Finish Cancel

11. Enter the Database details.

12. Click 'Next'. The following window is displayed.

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:

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

URL:

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

Database User Name:

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:

What are the properties to pass to the JDBC driver when creating database connections?

Properties:

↑
↓

13. Click 'Test Configuration'. On completion, displays a confirmation message as 'Connection test succeeded'.

14. Click 'Next'. The following window is displayed.

Create a New JDBC Data Source

Back | Next | Finish | Cancel

Select Targets

You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time.

Servers
<input type="checkbox"/> AdminServer
<input type="checkbox"/> OFSLREL_ManagedServer
<input checked="" type="checkbox"/> WebService_ManagedServer

Back | Next | Finish | Cancel

15. Select target Server as 'WebService_ManagedServer'.

16. Click 'Finish' to activate the changes.

8.2 Deploy RESTful WebService

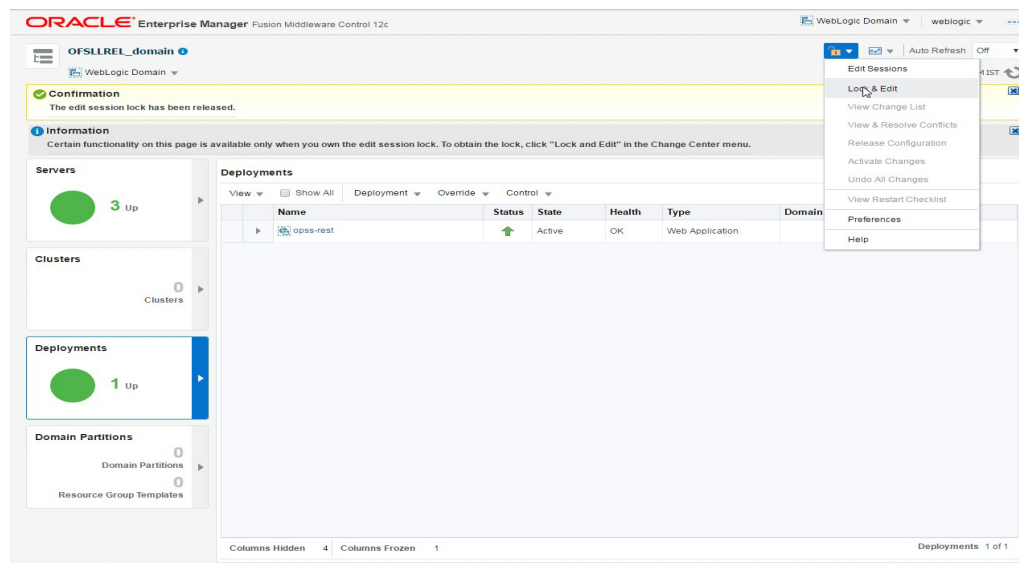
1. Login to Web Logic application server enterprise manager (e.g.:<http://hostname:port/em>)

2. Enter valid login credentials. The following window is displayed.

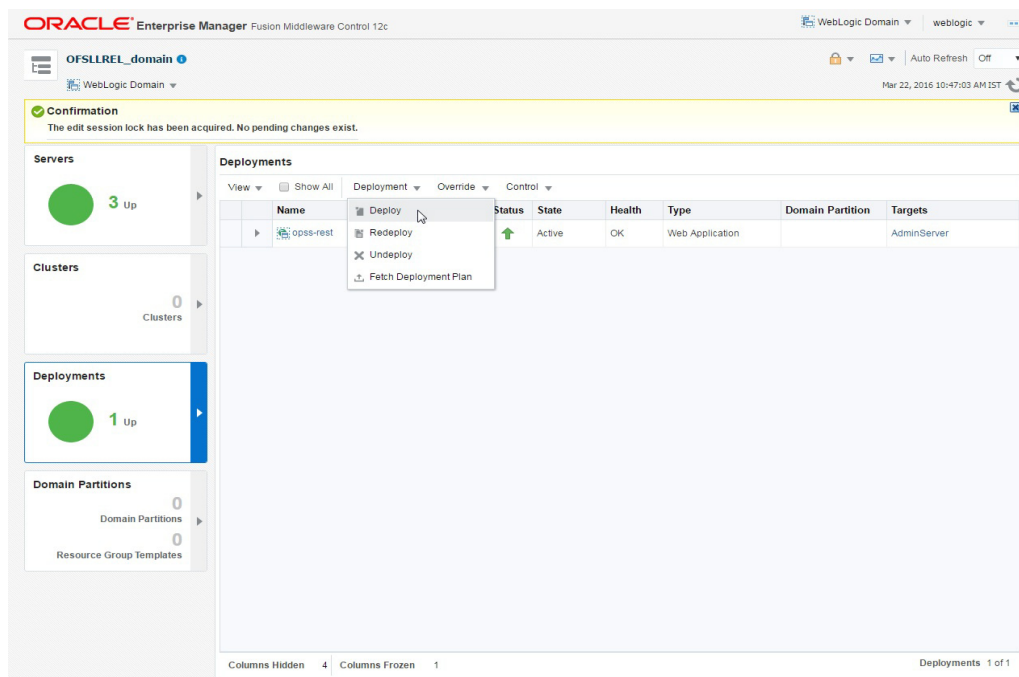
Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage
AdminServer(admin)	Up			Running	OK	7001	0.0
OFSSLREL_ManagedServer	Up		ofss1	Running	OK	7003	0.0
WebService_ManagedServer	Up		ofss1	Running	OK	7005	0.0

3. Click 'Deployment' in the left panel.

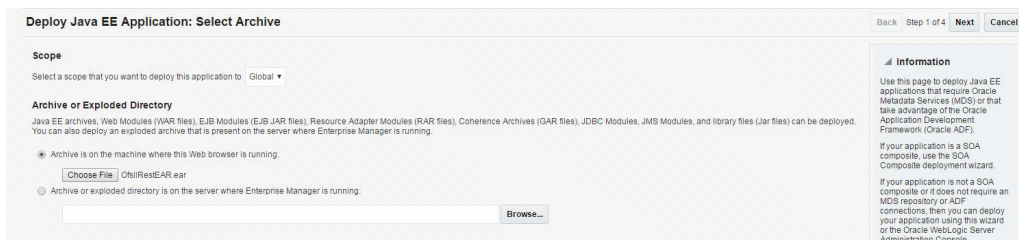
4. Select 'Lock & Edit' option in the lock drop-down list available in the header. The following window is displayed.



5. Select 'Deploy' from the Deployment drop-down list. The following window is displayed.



6. The following window is displayed.



7. Browse to the folder containing the WebService. Eg: C:/OfsIIRestEAR.ear

8. Click 'Next'. The following window is displayed.

ORACLE Enterprise Manager Fusion Middleware Control 12c

OFSSLREL_domain

Select Archive Select Target Application Attributes Deployment Settings

Deploy Java EE Application: Select Target

Back Step 2 of 4 Next Cancel

Select the WebLogic server or cluster that you want this application to be deployed to.

Select	Name	Type	Deployed Applications
<input type="checkbox"/>	AdminServer	Oracle WebLogic Server	oo
<input type="checkbox"/>	OFSSLREL_ManagedServer	Oracle WebLogic Server	oo
<input checked="" type="checkbox"/>	WebService_ManagedServer	Oracle WebLogic Server	oo

9. Select the server on which the WebService needs to be deployed.

10. Click 'Next'. The following window is displayed.

Deploy Java EE Application: Application Attributes

Back Step 3 of 4 Next Deploy Cancel

Hide Deployment Summary

Archive Type Java EE Application (EAR file)

Deployment Plan Create a new plan

Deployment Target WebService_ManagedServer

Scope Global

Deployment Type Application

* Application Name OfsIIRestEAR

Context Root of Web Modules

Web Module	Context Root
OfsIIRestWAR.war	OfsIIRestWS

Distribution

☒ Install and start application (servicing all requests)

☐ Install and start application in administration mode (servicing only administration requests)

☐ Install only. Do not start.

11. Select the option 'Install and start application (servicing all requests)'.

12. Check the context root and click 'Next'. The following window is displayed.

Deploy Java EE Application: Deployment Settings

Back Step 4 of 4 Next Deploy Cancel

Hide Deployment Summary

Archive Type Java EE Application (EAR file)

Deployment Plan Create a new plan

Deployment Target WebService_ManagedServer

Scope Global

Deployment Type Application

Application Name OfsIIRestEAR

Version Not versioned

Context Root OfsIIRestWS

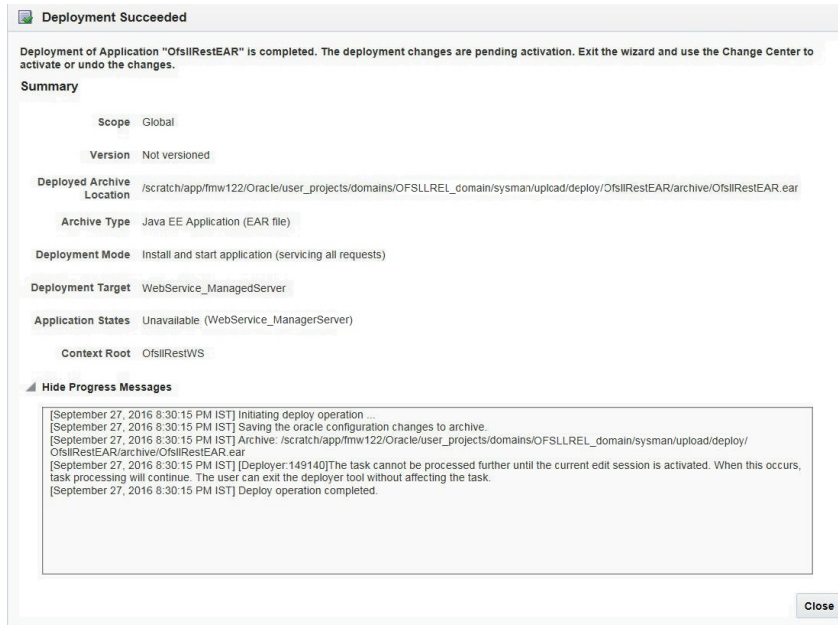
Deployment Mode Install and start application (servicing all requests)

Deployment Tasks

The table below lists common tasks that you may wish to do before deploying the application.

Name	Go To Task	Description
Configure Web Modules		Configure the Web modules in your application.
Configure Application Security		Configure application policy migration, credential migration and other security behavior.

13. Click 'Deploy'. On successful deployment, the following window is displayed.



14. Click 'Close'. Post deployment, you need to activate the changes by selecting 'Active Changes' option from 'Edit Session' drop-down list as indicated in step 4 above.

To Identify the RESTful Webservice URL

1. Login to WebLogic Server 12c console (<http://hostname:port/console>).
2. Click 'Deployments' Under Configuration tab and select 'OfsllRestEAR' services. The following window is displayed.

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

To install a new application or module for deployment to targets in this domain, click **Install**.

[Customize this table](#)

Deployments

Install Update Delete

Showing 31 to 40 of 61 Previous Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	odl.clickhistory (1.0,12.2.1)	Active		Library	AdminServer, OFSSLREL_ManagedServer, WebService_ManagedServer	Global		100
<input type="checkbox"/>	odl.clickhistory.webapp (1.0,12.2.1)	Active		Library	AdminServer, OFSSLREL_ManagedServer, WebService_ManagedServer	Global		100
<input type="checkbox"/>	Ofsll143 (V14.3.0.0.4-b125)	Prepared		Enterprise Application	OFSSLREL_ManagedServer,	Global		100
<input type="checkbox"/>	Ofsll143 (V14.3.0.0.4-b126)	Active	OK	Enterprise Application	OFSSLREL_ManagedServer,	Global		100
<input type="checkbox"/>	OfsllQueueMDB	Active	OK	EJB	OFSSLREL_ManagedServer,	Global		100
<input type="checkbox"/>	OfsllRestEAR	Active	OK	Enterprise Application	WebService_ManagedServer	Global		100

3. Click 'Testing' tab and expand 'OfsllRestWS'. The following window is displayed.

Settings for OfsllRestEAR

Overview Deployment Plan Configuration Security Targets Control **Testing** Monitoring Notes

Some deployment types support test points you can use to verify that a deployment was successful and that the module is ready for use.

The following table includes all of the test points available for this application or module.

Deployment Tests

Showing 1 to 1 of 1 Previous | Next

Name	Test Point	Comments
OfsllRestEAR		
OfsllRestWS		
/OfsllRestWS/rest	/application.wadl	WADL page on server WebService_ManagedServer
/OfsllRestWS/service/api/resources	/application.wadl	WADL page on server WebService_ManagedServer
default	http://10.184.132.155:8315/OfsllRestWS	Default url on server WebService_ManagedServer

Showing 1 to 1 of 1 Previous | Next

4. You can view the 'OfsllRestful' Services URL as shown.

A. Appendix - Configuration parameters

Refer to the following section for details on configuration parameters.

Modifying Configuration Files

Route One Configuration

Property Name	Property Value	Description	Remarks
Configuration File: ro_servlet_init.conf			
LOApplicationRequestServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOApplicationRequestService	URL for OFSLL New application WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-app-ro/LOApplicationRequestService
LOApplicationUpdateServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOApplicationUpdateService	URL for OFSLL application update WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-app-ro/LOApplicationUpdateService
LOSEContractWebServiceURL	http://<local-host>:<port>/dbkls-xws-app-ro/LOSEContractService	URL to validate and receive the contract information	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-app-ro/LOSEContractService
keystoreLocation	config/dls_cacerts	Parameter to set keystore location	The keystore location should not be changed and keystore should be available in this location
postURL	https://messaging.itl.routeone.net/IF1_ITL/CASSB-MessagingReceiver	URL for posting acknowledgement message to Route one	Verify the URL with Route One
fileLocation	/tmp	temporary file directory	The directory for temporary files. Make sure that such directory exists on the deployment server
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.

Property Name	Property Value	Description	Remarks
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xae_init.conf			
lenderId	SOME-LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
application-Source	ROUTEONE	Parameter to set application source	Don't modify this value
dealerElementName	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	Needed only for Route-One
jndiLookupDataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location

Property Name	Property Value	Description	Remarks
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xec_init.conf			
jndiLookupDataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value
Configuration File: dbkws_xcl_init.conf			
lenderId	SOME-LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
dealerElementName	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	

Property Name	Property Value	Description	Remarks
jndiLookupDataSource	jdbc/dbk105nIE-JBDS	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystorePassword	changeit	The keystore password	The deafult password is "changeit". Modify the property in case the password is different for the keystore.
sscroKeyAlias	ofss_routetone	OFSLL's private key alias name. The private key is used to sign xml response to RouteOne	You may import the private key with alias "ofss_routetone" else modify the property value to alias used while importing the private key into keystore.
sscroKeyPassword	demotestSSCR1	OFSLL's private key password	demotestSSCR1 is a sample value
Configuration File: Logging.properties			
handlers	java.util.logging.FileHandler, java.util.logging.ConsoleHandler		
java.util.logging.FileHandler.level	ALL		
java.util.logging.FileHandler.pattern	/somewhere/logs/dbkls_xws_%g.log		
java.util.logging.FileHandler.limit	1000000		
java.util.logging.FileHandler.count	4		

Property Name	Property Value	Description	Remarks
java.util.logging.FileHandler.append	true		
java.util.logging.FileHandler.formatter	java.util.logging.SimpleFormatter		
java.util.logging.ConsoleHandler.level	WARNING		
java.util.logging.ConsoleHandler.formatter	java.util.logging.SimpleFormatter		
com.ofss.fl.xws.level	FINER	set the logging level for the application	Other Level values -- FINEST,FINE,CONFIG and INFO

Dealer Track

Property Name	Property Value	Description	Remarks
Configuration File: dt_servlet_init.conf			
LOSAppli- cationRe- questServ iceURL	http://<HOST NAME>:<PORT>/ <CONTEXT ROOT>/LOSAppli- cationRequestSer- vice	URL for OFSLL New application WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host- name:port/dbkls-xws-app- dt/LOSAplicationRe- questService
LOSAppli- cationUp- dateServi- ceURL	http://<HOST NAME>:<PORT>/ <CONTEXT ROOT>/LOSAppli- cationUpdateSer- vice	URL for OFSLL applica- tion update WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host- name:port/dbkls-xws-app- dt/LOSAplicationUp- dateService
postTime- out	10	Parameter to set timeout value to post XML mes- sage to third party.	Timeout value should be specified in number of seconds.
useProxy	0	Parameter to switch on/ off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xae_init.conf			
lenderId	SOME- LENDER_ID	The finance source iden- tifier used in the dealer file	SOMELENDER_ID is a sample value
lender- Name	SOME_LENDER_ NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
applica- tion- Source	DEALERTRACK	Parameter to set applica- tion source	Don't modify this value

Property Name	Property Value	Description	Remarks
dealerElement-Name	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
jndi-Lookup-DataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the application datasource	Don't modify the value
keystore-Location	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystore-Password	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xcl_init.conf			
lenderId	SOME_LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lender-Name	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value

Property Name	Property Value	Description	Remarks
dealerElement-Name	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	Needed only for RouteOne
jndi-Lookup-DataSource	jdbc/dbk105nE-JBDS	Parameter that defines the JNDI look up for the application datasource	Don't modify the value
keystore-Location	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystore-Password	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
sscroKey Alias	ofss_routeone	OFSSL's private key alias name. The private key is used to sign xml response to RouteOne	You may import the private key with alias "ofss_routeone" else modify the property value to alias used while importing the private key into keystore.
sscroKey-Password	demotestSSCR1	OFSSL's private key password	demotestSSCR1 is a sample value
Configuration File: Logging.properties			
handlers	java.util.logging.FileHandler, java.util.logging.ConsoleHandler		
java.util.logging.FileHandler.level	ALL		

Property Name	Property Value	Description	Remarks
java.util.logging.FileHandler.pattern	/somewhere/logs/dbkls_xws_%g.log		
java.util.logging.FileHandler.limit	1000000		
java.util.logging.FileHandler.count	4		
java.util.logging.FileHandler.append	true		
java.util.logging.FileHandler.formatter	java.util.logging.SimpleFormatter		
java.util.logging.ConsoleHandler.level	WARNING		
java.util.logging.ConsoleHandler.formatter	java.util.logging.SimpleFormatter		
com.ofss.fll.xws.level	FINER	set the logging level for the application	Other Level values -- FINEST, FINE, CONFIG and INFO

EDOCS

Property Name	Property Value	Description	Remarks
Configuration File: ds_servlet_init.conf			
LOSeApplication-RequestServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSeApplicationRequestService	URL for OFSLL eDocs Create/update application WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-apps/LOSeApplicationRequestService
LOSeApplication-CommentUpdateServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSeApplicationCommentUpdateService	URL for OFSLL eDocs comment update WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-apps/LOSeApplicationCommentUpdateService
LOSeApplication-LocationUpdateServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSeApplicationLocationUpdateService	URL for OFSLL eDocs location update WebService	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-apps/LOSeApplicationLocationUpdateService
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	

Property Name	Property Value	Description	Remarks
Configuration File: dbkws_xae_init.conf			
lenderId	SOME-LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
applicationSource	EDOCS	Parameter to set application source	Don't modify this value
dealerElement-Name	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
jndiLookupData-Source	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the application data-source	Don't modify the value
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystorePassword	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.

Property Name	Property Value	Description	Remarks
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xcl_init.conf			
lenderId	SOME-LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
dealerElement-Name	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	
jndiLookupData-Source	jdbc/dbk105nIE-JBDS	Parameter that defines the JNDI look up for the applicaton data-source	Don't modify the value

Property Name	Property Value	Description	Remarks
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystorePassword	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
sscroKeyAlias	ofss_routeone	OFSLL's private key alias name. The private key is used to sign xml response to RouteOne	You may import the private key with alias "ofss_routeone" else modify the property value to alias used while importing the private key into keystore.
sscroKeyPassword	demotestSSCR1	OFSLL's private key password	demotestSSCR1 is a sample value
Configuration File: Logging.properties			
handlers	java.util.logging.FileHandler, java.util.logging.ConsoleHandler		
java.util.logging.FileHandler.level	ALL		
java.util.logging.FileHandler.pattern	/somewhere/logs/dbkls_xws_%g.log		
java.util.logging.FileHandler.limit	1000000		
java.util.logging.FileHandler.count	4		
java.util.logging.FileHandler.append	true		
java.util.logging.FileHandler.formatter	java.util.logging.SimpleFormatter		

Property Name	Property Value	Description	Remarks
java.util.logging.ConsoleHandler.level	WARNING		
java.util.logging.ConsoleHandler.formatter	java.util.logging.SimpleFormatter		
com.ofss.fl.xws.level	FINER	set the logging level for the application	Other Level values -- FINEST,FINE,CONFIG and INFO

Webservices

Property Name	Property Value	Description	Remarks
Configuration File: dbkws_lookups_init.conf			
jndiLookupDataSource	jdbc/dbkwsDS	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value
keystoreLocation	config/dls_cacerts	Parameter to set keystore location	The keystore location should not be changed and keystore should be available in this location
keystorePassword	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
Configuration File: dbkws_xae_init.conf			
lenderId	SOME_LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
dealerElementName	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
jndiLookupDataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value

Property Name	Property Value	Description	Remarks
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystore-Password	changeit	The keystore password	The default password is "changeit". Modify the property in case the password is different for the keystore.
sscroKeyAliases	ofss_routeone	OFSLL's private key alias name. The private key is used to sign xml response to RouteOne	You may import the private key with alias "ofss_routeone" else modify the property value to alias used while importing the private key into keystore.
sscroKey-Password	demotestSS-CR1	OFSLL's private key password	demotestSSCR1 is a sample value
postTimeout	10	Parameter to set timeout value to post XML message to third party.	Timeout value should be specified in number of seconds.
useProxy	0	Parameter to switch on/off proxy use. By default use of proxy is switched off. To use proxy setup value to "1", else setup value as "0"	
proxyHost	abc.com	Parameter to set proxy host. This is required if useProxy is set to 1.	
proxyPort	80	Parameter to set proxy port. This is required if useProxy is set to 1.	
Configuration File: dbkws_xcl_init.conf			
lenderId	SOME-LENDER_ID	The finance source identifier used in the dealer file	SOMELENDER_ID is a sample value
lenderName	SOME_LENDER_NAME	The finance source name used in the dealer file	SOME_LENDER_NAME is a sample value
dealerElementName	DEALER_DETAILS	Name of XML element used for the dealer details used in the dealer file	DEALER_DETAILS is a sample value

Property Name	Property Value	Description	Remarks
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	
jndiLookup-DataSource	jdbc/dbk105nE-JBDS	Parameter that defines the JNDI look up for the applicaton datasource	
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystore-Password	changeit	The keystore password	The deafult password is "changeit". Modify the property in case the password is different for the keystore.
sscroKeyAliases	ofss_routeone	OFSLL's private key alias name. The private key is used to sign xml response to RouteOne	You may import the private key with alias "ofss_routeone" else modify the property value to alias used while importing the private key into keystore.
sscroKey-Password	demotestSS-CR1	OFSLL's private key password	demotestSSCR1 is a sample value
Configuration File: dbkws_xcs_init.conf			
jndiLookup-DataSource	jdbc/dbkwsDS	Parameter that defines the JNDI look up for the applicaton datasource	Don't modify the value
keystoreLocation	config/dls_cacerts	Parameter to set location for public/private key store for HTTPS posting and for XML Digital Signature	The keystore location should not be changed and keystore should be available in this location
keystore-Password	changeit	The keystore password	The deafult password is "changeit". Modify the property in case the password is different for the keystore.
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server

Property Name	Property Value	Description	Remarks
application-Source	DBKTST	Application source	DBKTST is a sample value. Set it to appropriate value
Configuration File: Logging properties			
handlers	java.util.logging.File-Handler, java.util.logging.ConsoleHandler		
java.util.logging.File-Handler.level	ALL		
java.util.logging.File-Handler.pattern	/somewhere/ logs/dbkls_x- ws_%g.log		
java.util.logging.File-Handler.limit	1000000		
java.util.logging.File-Handler.count	4		
java.util.logging.File-Handler.append	true		
java.util.logging.File-Handler.formatter	java.util.logging.SimpleFormatter		
java.util.logging.Console-Handler.level	WARNING		
java.util.logging.Console-Handler.formatter	java.util.logging.SimpleFormatter		
com.ofss.flxws.level	FINER	set the logging level for the application	Other Level values -- FIN-EST,FINE,CONFIG and INFO

Others

- Verify that latest XWS SQL Types, Views and Packages are installed.
- Required Java permissions have been granted

- Verify that System parameters for WebServices URLs as well as Post Response URLs are set. Please see the table below for details
- System parameter CMN_WALLET_PATH and CMN_WALLET_PASSWORD is setup
- Verify lenderId, lendername in config(dbkws_xae_init.conf) file and also set lenderId in all response xsl in element "A:TargetId".
- For DealerTrack access, user name/pwd should be setup in file ".htpasswd" under config dir

System Parameters to be configured:

System Parameter Name	System Parameter Desc
XWS_XAE_DLR_TRACK_RESP_PWD	DEALERTRACK APPLICATION RESPONSE BASIC AUTH PASSWORD
XWS_XAE_DLR_TRACK_RESP_URL	DEALERTRACK APPLICATION RESPONSE URL
XWS_XAE_DLR_TRACK_RESP_USER	DEALERTRACK APPLICATION RESPONSE BASIC AUTH USER
XWS_XAE_DLR_TRACK_WS_URL	OFSLL WEBSERVICE URL TO POST APPLICATION RESPONSE TO DEALER-TRACK
XWS_XAE_ROUTEONE_RESP_PWD	ROUTE ONE APPLICATION RESPONSE BASIC AUTH PASSWORD
XWS_XAE_ROUTEONE_RESP_URL	ROUTE ONE APPLICATION RESPONSE URL
XWS_XAE_ROUTEONE_RESP_USER	ROUTE ONE APPLICATION RESPONSE BASIC AUTH USER
XWS_XAE_ROUTEONE_WS_URL	OFSLL WEBSERVICE URL TO POST APPLICATION RESPONSE TO ROUTE ONE
XWS_XAE_EDOC_RESP_URL	EDOCS APPLICATION RESPONSE BASIC AUTH PASSWORD
XWS_XAE_EDOC_WS_URL	EDOCS APPLICATION RESPONSE URL
XWS_XAE_EDOC_RESP_USER	EDOCS APPLICATION RESPONSE BASIC AUTH USER
XWS_XAE_EDOC_RESP_PWD	OFSLL WEBSERVICE URL TO POST APPLICATION RESPONSE TO EDOCS
XWS_XPR_DLR_TRACK_RESP_PWD	DEALER TRACK DEALER LOAD PASS-WORD
XWS_XPR_DLR_TRACK_RESP_URL	DEALER TRACK DEALER LOAD RESPONSE URL
XWS_XPR_DLR_TRACK_RESP_USER	DEALER TRACK DEALER LOAD USER ID
XWS_XPR_DLR_TRACK_WS_URL	OFSLL WEBSERVICE URL TO POST DEALER DETAILS TO DEALER TRACK

System Parameter Name	System Parameter Desc
XWS_XPR_INCLUDE_TEMP	INCLUDE TEMP PRODUCERS
XWS_XPR_ROUTEONE_RESP_PWD	ROUTE ONE DEALER LOAD PASS-WORD
XWS_XPR_ROUTEONE_RESP_URL	ROUTE ONE DEALER LOAD RESPONSE URL
XWS_XPR_ROUTEONE_RESP_USER	ROUTE ONE DEALER LOAD USER ID
XWS_XPR_ROUTEONE_WS_URL	OFSLL WEBSERVICE URL TO POST DEALER DETAILS TO ROUTE ONE
XWS_XAE_DLR_TRACK_LENDERID	DEALERTRACK LENDER ID
XWS_XAE_ROUTEONE_LENDERID	ROUTEONE LENDER ID
XWS_XAE_DLR_TRACK_LENDER_NAME	DEALERTRACK LENDER NAME
XWS_XAE_ROUTEONE_LENDER_NAME	ROUTEONE LENDER NAME
XWS_XAE_ECON_ROUTEONE_RESP_URL	Route One E-contract response URL