

Web Services Installation Guide
Oracle Financial Services Lending and Leasing
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1. Preface

For recommendations on security configuration, refer Security Configuration Guide.

This document contains notes and installation steps needed to install Web Services. 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 Web Services 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.

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

This guide covers the following processes.

1. [Installing Web Services Database Objects](#)
2. [Deploying Application Interface Web Services](#)
3. [Configuring Weblogic Policy on Web Services](#)

1.1 **Prerequisites**

1. Download and Install the Oracle WebLogic Server 11gR1 Version 10.3.5 from <http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html>
2. It is assumed that the Oracle Financial Services Lending and Leasing DB is installed and configured, before running the Web Services 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 Web Services Database Objects

Download and unzip the the Webservices database - OFSLLXWS.zip.

Run \$./installofsllxwsdb.sh

```
[pthaker@ofss220059 /tmp]$ ./installofsllxwsdb.sh
```

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

```
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.

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

```
What is the Oracle Financial Services Lending and Leasing  
Home Path? (usually /home/ofssl): /scratch/work_area/DEV/QA126
```

```
OFSSLHOME=/scratch/work_area/DEV/QA126  
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 \$OFSSL_HOME. Enter 'y' when prompted for.

```
What is the Oracle DB Home Path? /scratch/db/db1123/product/11.2.0.3/dbhome_1
```

```
ORAHOME=/scratch/db/db1123/product/11.2.0.3/dbhome_1  
Okay? [y/n]: y
```

```
What is the Oracle SID? OFSLLT
```

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=/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin:/usr/local/bin:/usr/X11R6/bin:/usr/local/ade/bin:/scratch/db/db1123/product/11.2.0.3/dbhome_1/bin
ORACLE_HOME=/scratch/db/db1123/product/11.2.0.3/dbhome_1
ORACLE_SID=OFSLLT
OFSLT_HOME=/scratch/work_area/DEV/QA126

With the above environment, you should be able start SQLPlus and connect
to the database. Do not continue if you cannot. Correct the environment
and restart this script when it is correct

```

The script lists and sets the CRITICAL environment variables

```

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

The following items are available for installation:

 1. database types          (134)
 2. database tables         (1075)
 3. database views          (269)
 4. database trigger         (4)
 5. database package specs  (3010)
 6. database package bodies (3006)
 7. System Seed Data        (67666)

Continue with Installation? [y/n] : 

```

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

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

Log files will be located in /scratch/work_area/DEV/QA126/logs/ofsll_xws_install_log
s
Press Enter to Continue...

What is the Oracle userid (schema name) that will own the Oracle Financial Services
Lending and Leasing
objects? (usually ofsllprd): QA126

What is the password for this userid:

Installing Type objects...\C
./xws_evw.sql
```

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.

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
plete.
```

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

3. Deploying Application Interface Web Services

3.1 Prerequisites

Data Sources

The data sources must be created on the application database with following JNDI names.

- "jdbc/dbk105nlEJBDS
- "jdbc/dbkwsDS
- "jdbc/IN1HukWznG0b4esj

Unzip the ear to folder

- Unzip dbkls-xws-app.ear/dbkls-xws-web.war to the folder dbkls-xws-app
- Unzip dbkls-xws-app-ds.ear/dbkls-xws-web-ds.war to the folder dbkls-xws-app-ds
- Unzip dbkls-xws-app-dt.ear/dbkls-xws-web-dt.war to the folder dbkls-xws-app-dt
- Unzip dbkls-xws-app-ro.ear/dbkls-xws-web-ro.war to the folder dbkls-xws-app-ro

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

dbkls-xws-app/ dbkls-xws-app-ds/ dbkls-xws-app-dt/ dbkls-xws-app-ro

WEB-INF (directory)

- classes (directory)
 - config
 - class files (in package folders)
- lib (directory)
 - commons-logging-1.0.4.jar
 - jdom.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

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
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

Modifying Configuration Files

Route One Configuration

Property Name	Property Value	Description	Remarks
Configuration File: ro_servlet_init.conf			
LOSApplicationRequestServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationRequestService	URL for OFSLL New application web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://hostname:port/dbcls-xws-app-ro/LOSApplicationRequestService
LOSApplicationUpdateServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationUpdateService	URL for OFSLL application update web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://hostname:port/dbcls-xws-app-ro/LOSApplicationUpdateService
keystoreLocation	config/dls_cacerts	Parameter to set key-store 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.
roKeyAlias	routeone_pub	RouteOne's public key alias name. The public key is needed to verify the xml signature of the request.	You may import the route one public key with alias "routeone_pub" else modify the property value to alias used while importing the public key into keystore.
sscrokKeyAlias	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.
sscrokKeyPassword	demotestSSCR1	OFSLL's private key password	demotestSSCR1 is a sample value

Property Name	Property Value	Description	Remarks
postURL	https://messag-ing.itl.routeone.net/IF1_ITL/CASSB-MessagingRe-ceiver	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.
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
dealerEle-mentName	DEALER_DE-TAILS	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	Needed only for RouteOne
jndiLookupDataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the application 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 default password is "changeit". Modify the property in case the password is different for the keystore.
sscrokKeyAlias	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.
sscrokKeyPassword	demotestSSCR1	OFSSL'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.	

Property Name	Property Value	Description	Remarks
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
fileLocation	/tmp		The directory for temporary files. Make sure that such directory exists on the deployment server
fileDelimiter	,	Delimiter used in dealer header file	
jndiLookupDataSource	jdbc/dbk105nIE-JBDS	Parameter that defines the JNDI look up for the application 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 default password is "changeit". Modify the property in case the password is different for the keystore.
sscKeyAlias	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.

Property Name	Property Value	Description	Remarks
sscroKeyPass-word	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		
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			
LOSApplicationRequestServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationRequestService	URL for OFSLL New application web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-appdt/LOSApplicationRequestService
LOSApplicationUpdateServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationUpdateService	URL for OFSLL application update web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbkls-xws-appdt/LOSApplicationUpdateService
postTime-out	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_xae_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
application-Source	DEALERTRACK	Parameter to set application source	Don't modify this value

Property Name	Property Value	Description	Remarks
dealerElement-Name	DEALER_DE-TAILS	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 applicaton 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 deafult password is "changeit". Modify the property in case the password is different for the keystore.
postTime-out	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_DE-TAILS	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/dbk105nIE-JBDS	Parameter that defines the JNDI look up for the applicaton 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 deafult password is "changeit". Modify the property in case the password is different for the keystore.
sscrokKey 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.
sscrokKey-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/dbcls_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.fl.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 web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbcls-xws-apps/LOSeApplicationRequestService
LOSApplication-CommentUpdate-ServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationCommentUpdateService	URL for OFSLL eDocs comment update web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbcls-xws-apps/LOSApplicationCommentUpdateService
LOSApplication-LocationUpdate-ServiceURL	http://<HOST NAME>:<PORT>/<CONTEXT ROOT>/LOSApplicationLocationUpdateService	URL for OFSLL eDocs location update web service	Refer the recommended context root table for CONTEXT ROOT. Sample URL: http://host-name:port/dbcls-xws-apps/LOSApplicationLocationUpdateService
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
jndiLookupDataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the applicaton 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 deafult 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	
jndiLookupDataSource	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.
sscrokKeyAlias	ofss_routeone	OFSL'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.
sscrokKeyPassword	demotestSSCR1	OFSL'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/dbcls_x-ws_%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.fil.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_lookup_init.conf			
jndiLookup-DataSource	jdbc/dbk-wsDS	Parameter that defines the JNDI look up for the application 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
keystore-Password	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
jndiLookup-DataSource	jdbc/IN1Huk-WznG0b4esj	Parameter that defines the JNDI look up for the application 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 default password is "changeit". Modify the property in case the password is different for the keystore.

Property Name	Property Value	Description	Remarks
sscroKeyAlias	ofss_route-one	OFSL'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_route-one" else modify the property value to alias used while importing the private key into keystore.
sscroKey-Password	demotestSS-CR1	OFSL'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
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/dbk105nIE-JBDS	Parameter that defines the JNDI look up for the applicaton datasource	

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.
sscrokKeyAlias	ofss_route-one	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_route-one" else modify the property value to alias used while importing the private key into keystore.
sscrokKey-Password	demotestSS-CR1	OFSSL'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 application 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 default 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
application-Source	DBKTST	Application source	DBKTST is a sample value. Set it to appropriate value
Configuration File: Logging properties			
handlers	java.util.logging.FileHandler, java.util.logging.ConsoleHandler		

Property Name	Property Value	Description	Remarks
java.util.logging.FileHandler.level	ALL		
java.util.logging.FileHandler.pattern	/somewhere/logs/dbkls_x-ws_%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.flx.ws.level	FINER	set the logging level for the application	Other Level values -- FINEST,FINE,CONFIG and INFO

Others

- Verify that latest XWS SQL Types, Views and Packages are installed.
- Basic Java permissions have been granted in
- UTL permissions have been granted.
- Verify that System parameters for Web Services 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:

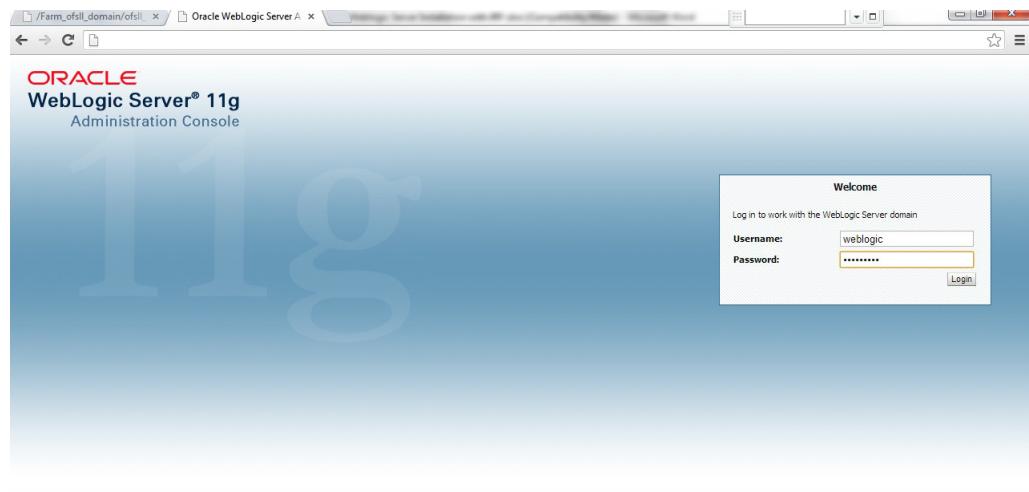
System Parameter Name	System Parameter Desc
XWS_XAE_DL-R_TRACK_RESP_PWD	XAE DEALERTRACK RESPONSE BASIC AUTH PASSWORD
XWS_XAE_DL-R_TRACK_RESP_URL	XAE DEALERTRACK RESPONSE URL
XWS_XAE_DL-R_TRACK_RESP_USER	XAE DEALERTRACK RESPONSE BASIC AUTH USER
XWS_XAE_DL_R_TRACK_WS_URL	XAE DEALERTRACK WEBSERVICE URL
XWS_XAE_ROUTE-ONE_RESP_PWD	XAE ROUTEONE RESPONSE BASIC AUTH PASSWORD
XWS_XAE_ROUTE-ONE_RESP_URL	XAE ROUTEONE RESPONSE URL
XWS_XAE_ROUTE-ONE_RESP_USER	XAE ROUTEONE RESPONSE BASIC AUTH USER
XWS_XAE_ROUTEONE_WS_URL	XAE ROUTEONE WEBSERVICE URL
XWS_XAE_WEB_RESP_PWD	XAE WEB RESPONSE BASIC AUTH PASS-WORD
XWS_XAE_WEB_RESP_URL	XAE WEB RESPONSE URL
XWS_XAE_WEB_RESP_USER	XAE WEB RESPONSE BASIC AUTH USER
XWS_XAE_WEB_WS_URL	XAE WEB WEBSERVICE URL
XWS_XPR_DL-R_TRACK_RESP_PWD	DEALER TRACK DEALER LOAD PASSWORD
XWS_XPR_DL-R_TRACK_RESP_URL	POST DEALER TRACK DEALER LOAD RESPONSE URL
XWS_XPR_DL-R_TRACK_RESP_USER	DEALER TRACK DEALER LOAD USER ID
XWS_XPR_DL_R_TRACK_WS_URL	DEALER LOAD WEBSERVICE URL
XWS_XPR_INCLUDE_TEMP	INCLUDE TEMP PRODUCERS
XWS_XPR_ROUTE-ONE_RESP_PWD	XAE ROUTEONE DEALER LOAD RESPONSE BASIC AUTH PASSWORD
XWS_XPR_ROUTE-ONE_RESP_URL	XAE ROUTEONE DEALER LOAD RESPONSE URL
XWS_XPR_ROUTE-ONE_RESP_USER	XAE ROUTEONE DEALER LOAD RESPONSE BASIC AUTH USER
XWS_XPR_ROUTEONE_WS_URL	XAE ROUTEONE DEALER LOAD WEBSER-VICE URL

XWS_XAE_DL TRACK LENDER ID	XAE DEALERTRACK LENDER ID
XWS_XAE_ROUTEONE_LENDER_ID	XAE ROUTEONE LENDER ID
XWS_XAE_DL- R_TRACK_LENDER_NAME	XAE DEALERTRACK LENDER NAME
XWS_XAE_ROUTE- ONE_LENDER_NAME	XAE ROUTEONE LENDER NAME
XWS_XAE_EDOC_RESP_URL	XAE EDOCS RESPONSE URL
XWS_XAE_EDOC_WS_URL	XAE EDOCS WEBSERVICE URL
XWS_XAE_EDOC_RESP_USER	XAE EDOCS RESPONSE BASIC AUTH USER
XWS_XAE_EDOC_RESP_PWD	XAE EDOCS RESPONSE BASIC AUTH PASS- WORD

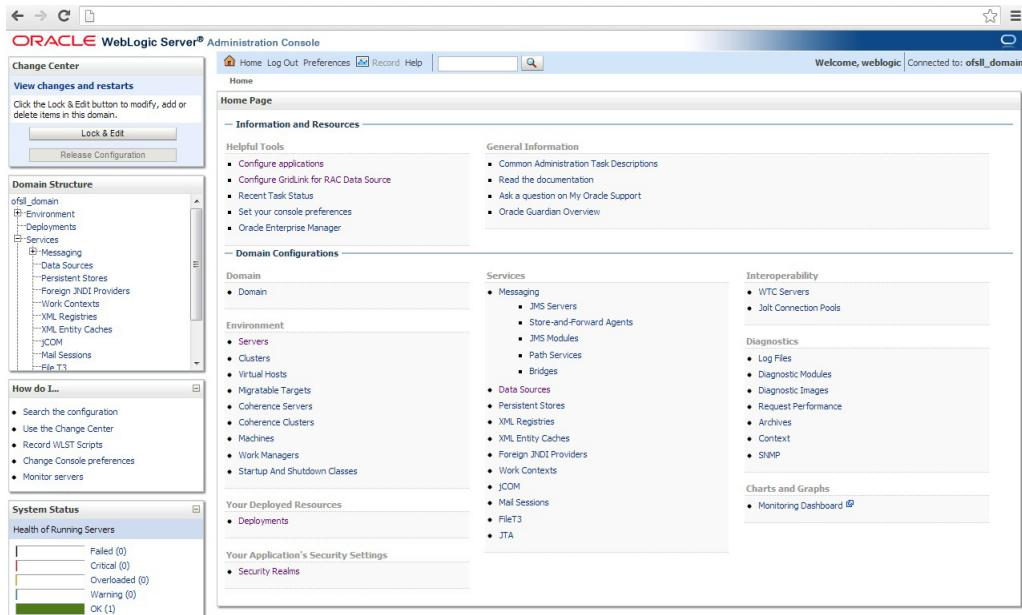
3.2 Deploying Webservices

After installing the WebLogic Server and completing the prerequisites mention above, deploy application interface Web Services.

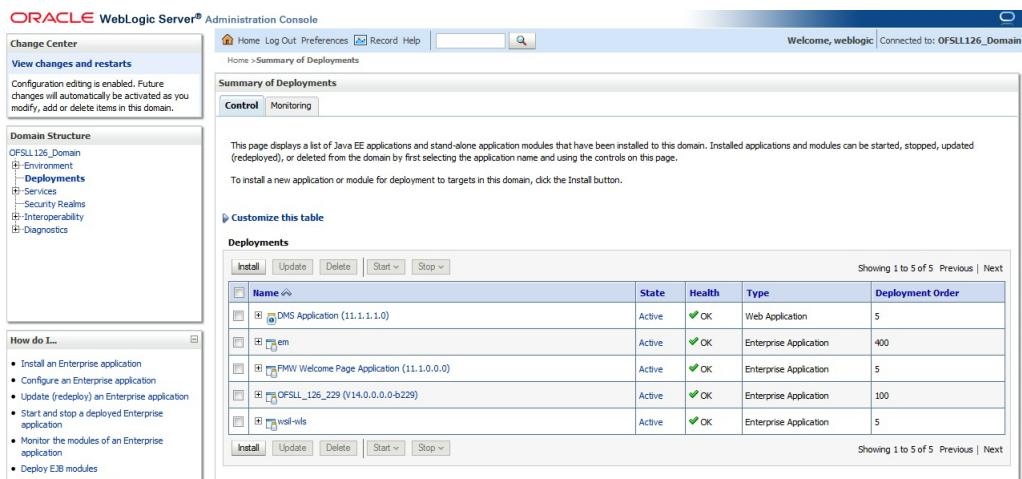
5. Login to WebLogic application server console (e.g.: <http://hostname:port/console>)



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

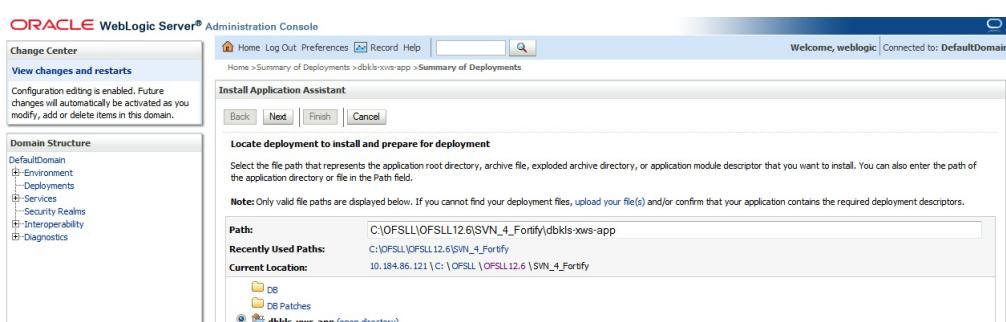


7. Click **Deployments** on the left pane. The following window is displayed.

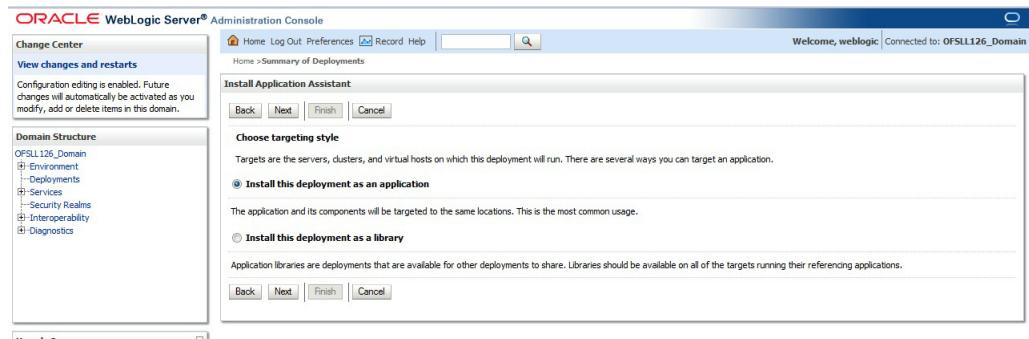


8. Click **Install**.

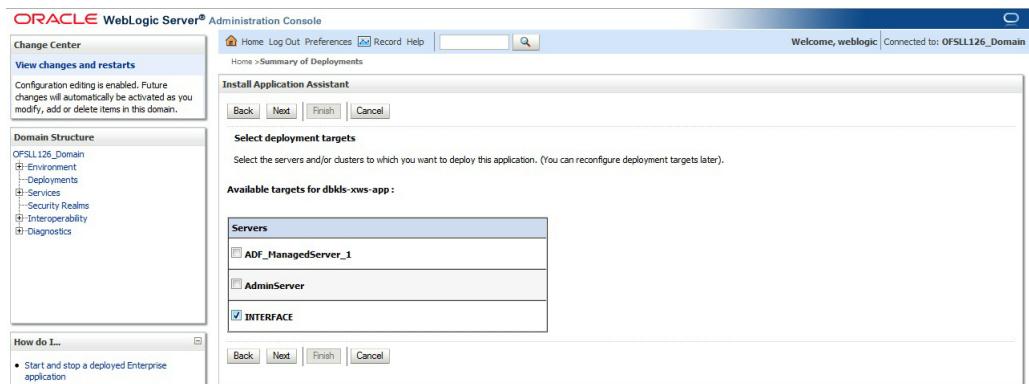
9. Browse to the location where you have unzipped the ear files to open directory (mentioned in Unzip the ear to folder section of Pre-requisites). The following window is displayed.



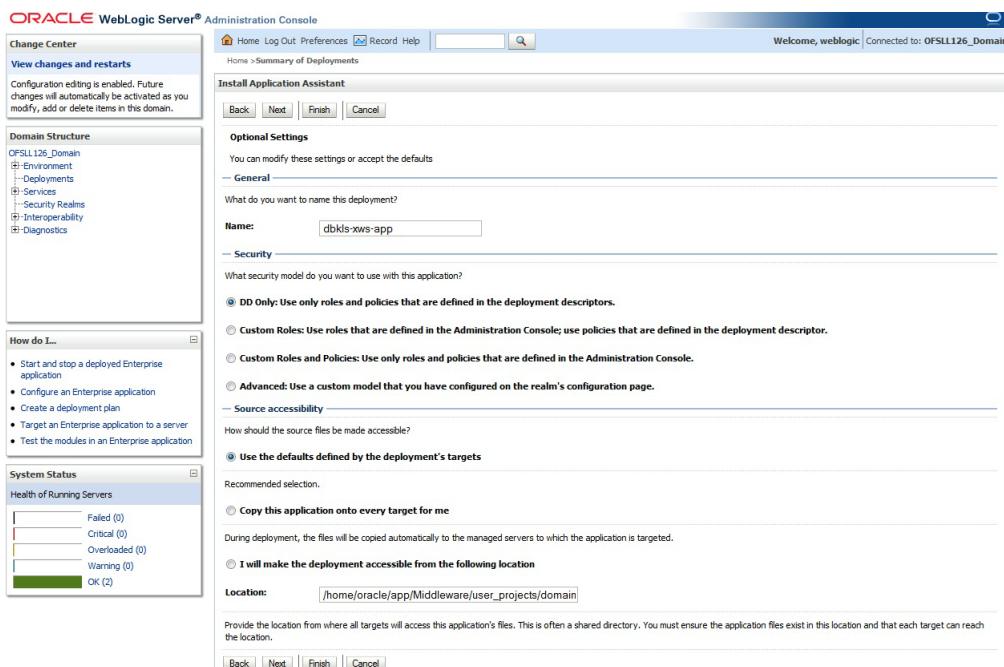
10. Click **Next**. The following window is displayed.



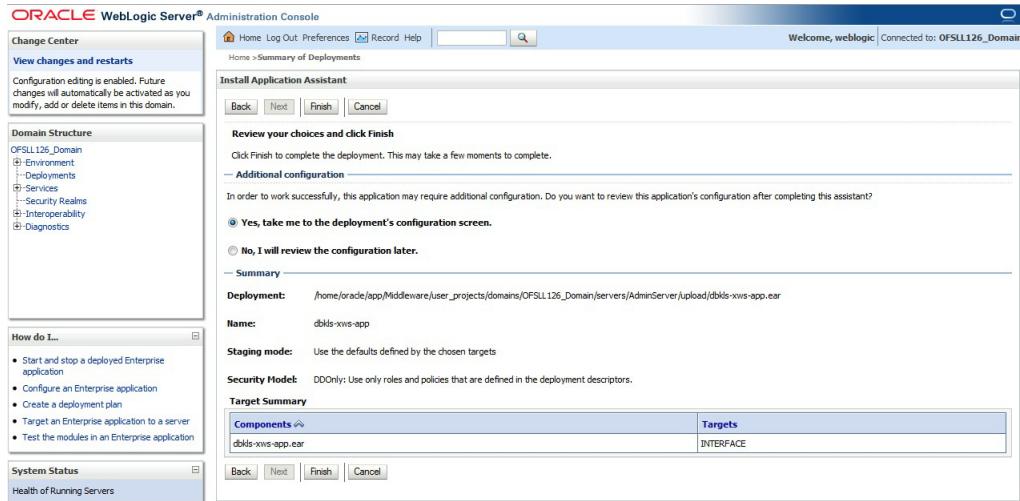
11. Click **Next**. The following window is displayed.



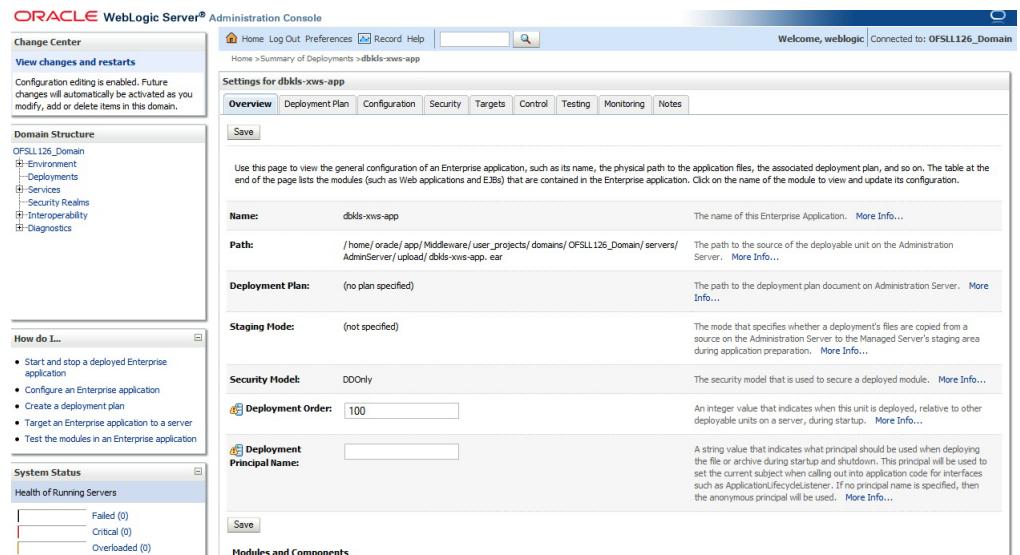
12. Select any target server on which you deploy the web services. Click **Next**. The following window is displayed.



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



14. Click **Finish**. The following window is displayed.



15. Click **Save**.

16. Modify the context root to the recommended name as follows:

Service	Service EAR	Recommended Context	Remark
Webservices	dbkls-xws-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-xws-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-xws-app-dt.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

Service	Service EAR	Recommended Context	Remark
Route One Interface	dbkls-xws-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

17. Go to Deployments → <select the service deployment> → Configuration → General

Settings for DMS Application(11.1.1.1.0)

General Logging Workload Instrumentation

In this page, you define the configuration of the application deployment descriptor file that is associated with this Web application module.

Session cookies max age (in seconds): The life span of the session cookie (in seconds) after which it expires on the client. This value can be set as any integer; the default value is -1 (unlimited). [More Info...](#)

Session Invalidations Interval (in seconds): The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. [More Info...](#)

Session Timeout (in seconds): The amount of time (in seconds) that a session can remain inactive before it is invalidated. [More Info...](#)

Debug Enabled Specifies whether to add JSP line numbers to generated class files to aid in debugging. [More Info...](#)

Maximum in-memory Sessions: The maximum number of sessions to retain in memory. The default is -1 (unlimited); any negative value works the same as -1. [More Info...](#)

Monitoring Attribute Name: The monitoring attribute. [More Info...](#)

Index Directory Enabled Specifies whether the target automatically generates an HTML directory listing if no suitable index file is found. [More Info...](#)

Index Directory Sort By: Specifies the way in which index directories are sorted. Legal values are NAME, LAST_MODIFIED, SIZE. [More Info...](#)

Servlet Reload Check (in seconds): The amount of time (in seconds) that WebLogic Server waits to check if a servlet was modified and needs to be reloaded. [More Info...](#)

Resource Reload Check (in seconds): The amount of time (in seconds) that WebLogic Server waits to check if a resource was modified and needs to be reloaded. [More Info...](#)

Session Monitoring Enabled Specifies whether runtime beans will be created for session monitoring. [More Info...](#)

Minimum Native File Size: The minimum file size in Bytes for using native I/O. [More Info...](#)

JSP Page Check (in seconds): The interval (in seconds) at which WebLogic Server checks to see if JSP files have changed and need recompiling. The value 0 means never check the pages. This is the default value in a production environment. The value 0 means always check the pages. The value 1 means check the pages every second. This is the default value in a development environment. [More Info...](#)

JSP Keep Generated Specifies whether to save the Java files that are generated as an intermediary step in the JSP compilation process. [More Info...](#)

JSP Verbose Specifies whether to print debugging info to the browser during compilation. [More Info...](#)

Context Root: Specifies context root to override the default value/name of exploded directory or name of the WAR file minus the ".war" extension. [More Info...](#)

18. Click Save.

19. The following window is displayed.

ORACLE WebLogic Server® Administration Console

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- OFSL126_Domain
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Install an Enterprise application
- Configure an Enterprise application
- Update (redeploy) an Enterprise application
- Start and stop a deployed Enterprise application
- Monitor the modules of an Enterprise application
- Deploy EJB modules
- Install a Web application

Summary of Deployments

Control Monitoring

The page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

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

Customize this table

Deployments

Name	State	Health	Type	Deployment Order
dbkls-xws-app	Active	✓ OK	Enterprise Application	100
DMS Application (11.1.1.1.0)	Active	✓ OK	Web Application	5
em	Active	✓ OK	Enterprise Application	400
FMW Welcome Page Application (11.1.0.0.0)	Active	✓ OK	Enterprise Application	5
OFSL_126_229 (V14.0.0.0.0-0229)	Active	✓ OK	Enterprise Application	100
wail-wls	Active	✓ OK	Enterprise Application	5

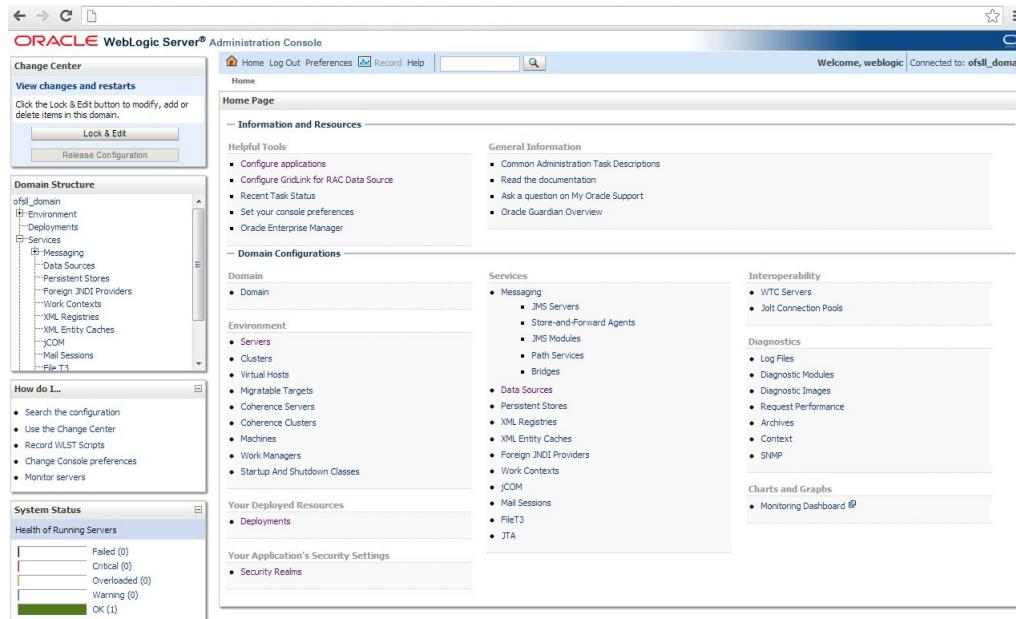
20. Ensure that the application status is Active.

4. Configuring Weblogic Policy on Web Services

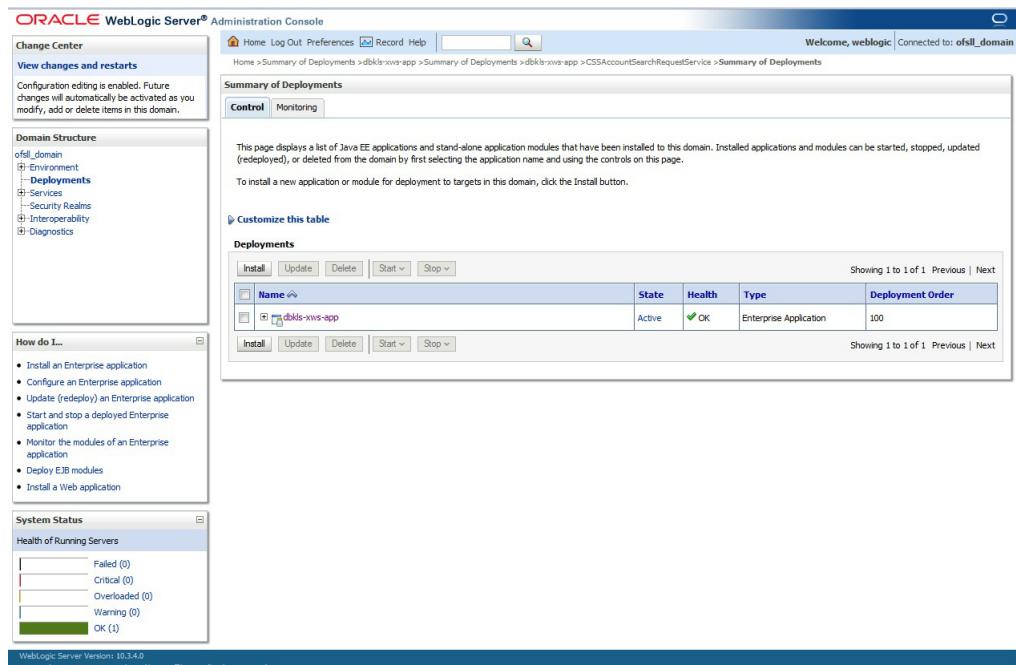
After deploying Web Services, you must configure Weblogic Policy on Web Services.

To configure:

1. Login to WebLogic application server console (<http://hostname:port/console>)
2. Following screen will be shown.



3. Click Deployments which is available on both side panels as marked above.
4. Following screen will be shown.



5. Click on application name dbkls-xws-app on right side panel.

6. Following screen appears.

ORACLE WebLogic Server® Administration Console

Welcome, weblogic | Connected to: ofsl_domain

Home Log Out Preference Record Help

Home > Summary of Deployments > dbcls-xws-app > Summary of Deployments > dbcls-xws-app > CSSAccountSearchRequestService > Summary of Deployments > dbcls-xws-app

Settings for dbcls-xws-app

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

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: dbcls-xws-app The name of this Enterprise Application. [More Info...](#)

Path: C:\Oracle\Middleware\1034\user_projects\domains\ofsl_domain\servers\AdminServer\upload\dbcls-xws-app.ear The path to the source of the deployable unit on the Administration Server. [More Info...](#)

Deployment Plan: C:\Oracle\Middleware\1034\user_projects\domains\ofsl_domain\servers\AdminServer\Plan.xml The path to the deployment plan document on Administration Server. [More Info...](#)

Staging Mode: (not specified) The mode that 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...](#)

Security Model: DDOOnly 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 what principal 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...](#)

Save

Modules and Components

Showing 1 to 1 of 1 Previous | Next

Name	Type
dbcls-xws-app	Enterprise Application
EJBs	

7. Scroll down the page.

application

- Configure an Enterprise application
- Create a deployment plan
- Target an Enterprise application to a server
- Test the modules in an Enterprise application

System Status

Health of Running Servers

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

Security Model: DDOOnly 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 what principal 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...](#)

Save

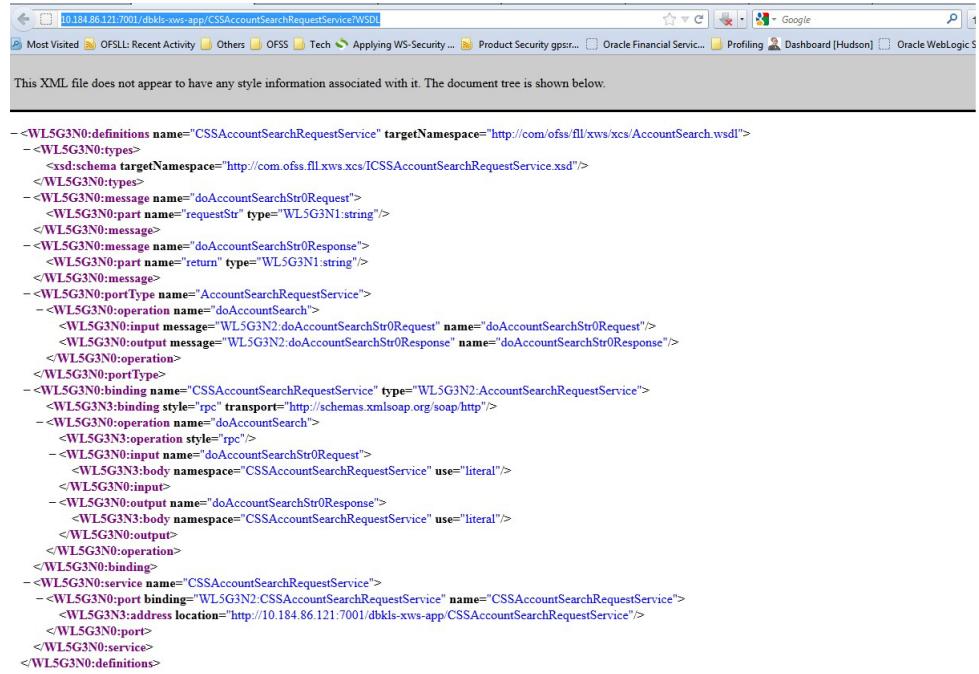
Modules and Components

Showing 1 to 1 of 1 Previous | Next

Name	Type
dbcls-xws-app	Enterprise Application
EJBs	
None to display	
Modules	
dbcls-xws-app	Web Application
Web Services	
CSSAccountSearchRequestService	Web Service
CSSAccountPayOffQuoteRequestService	Web Service
CSSPostTransactionsRequestService	Web Service
LOSPostDealerDetailsService	Web Service
LookUpRequestService	Web Service
LOSApplicationCommentUpdateService	Web Service
LOSApplicationLocationUpdateService	Web Service
LOSApplicationRequestService	Web Service

8. Click on WebServices CSSAccountSearchRequestService.

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

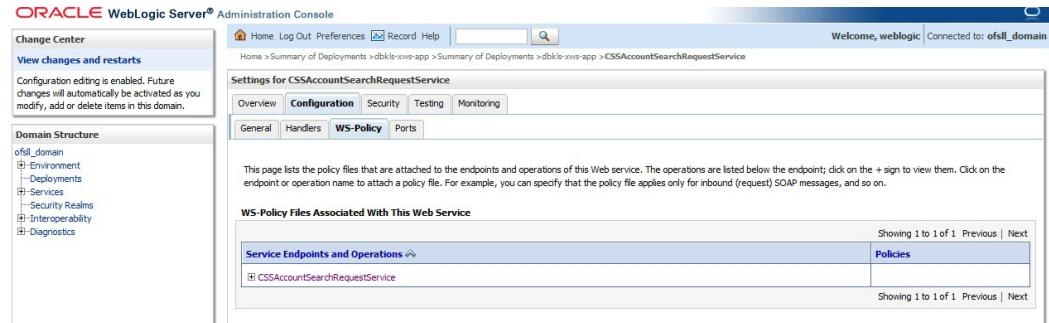


```

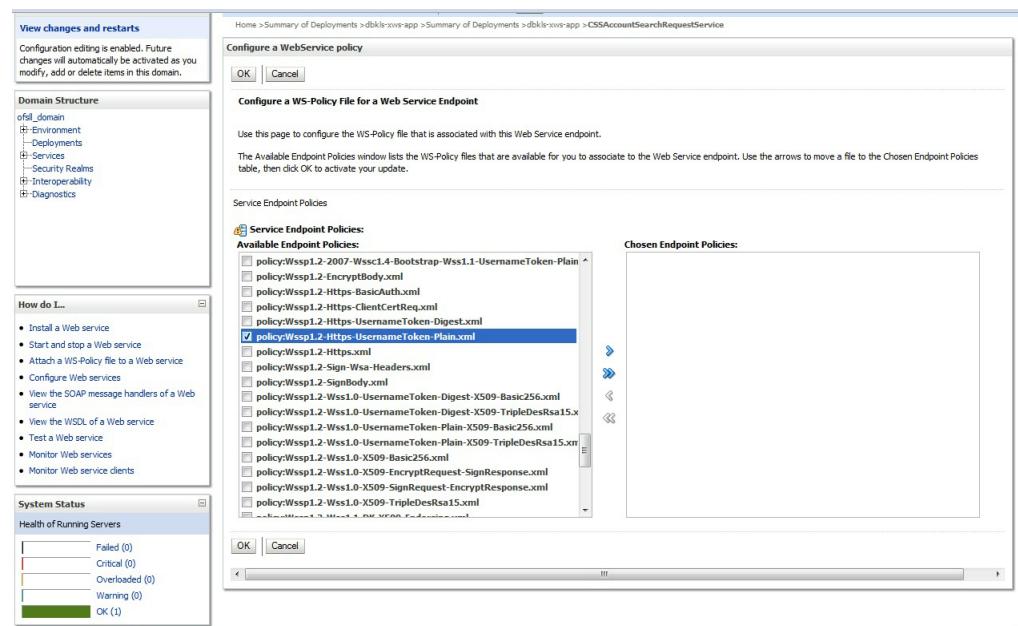
<?xml version="1.0" encoding="UTF-8"?>
<WSDL3.0:definitions name="CSSAccountSearchRequestService" targetNamespace="http://com/ofss/fl/xws/xcs/AccountSearch.wsdl">
  <WSDL3.0:types>
    <xsd:schema targetNamespace="http://com.ofss.fl.xws.xcs/CSSAccountSearchRequestService.xsd">
      <WSDL3.0:types>
        <WSDL3.0:message name="doAccountSearchStr0Request">
          <WSDL3.0:part name="requestStr" type="WL5G3N1:string"/>
        <WSDL3.0:message>
        <WSDL3.0:message name="doAccountSearchStr0Response">
          <WSDL3.0:part name="return" type="WL5G3N1:string"/>
        <WSDL3.0:message>
      <WSDL3.0:types>
      <WSDL3.0:portType name="AccountSearchRequestService">
        <WSDL3.0:operation name="doAccountSearch">
          <WSDL3.0:input message="WL5G3N2:doAccountSearchStr0Request" name="doAccountSearchStr0Request"/>
          <WSDL3.0:output message="WL5G3N2:doAccountSearchStr0Response" name="doAccountSearchStr0Response"/>
        <WSDL3.0:operation>
        <WSDL3.0:portType>
      <WSDL3.0:binding name="CSSAccountSearchRequestService" type="WL5G3N2:AccountSearchRequestService">
        <WSDL3.0:binding style="rpc" transport="http://schemas.xmlsoap.org/soap/http"/>
        <WSDL3.0:operation name="doAccountSearch">
          <WSDL3.0:operation style="rpc"/>
          <WSDL3.0:input name="doAccountSearchStr0Request">
            <WSDL3.0:body namespace="CSSAccountSearchRequestService" use="literal"/>
          <WSDL3.0:input>
          <WSDL3.0:output name="doAccountSearchStr0Response">
            <WSDL3.0:body namespace="CSSAccountSearchRequestService" use="literal"/>
          <WSDL3.0:output>
        <WSDL3.0:operation>
      <WSDL3.0:binding>
      <WSDL3.0:service name="CSSAccountSearchRequestService">
        <WSDL3.0:port binding="WL5G3N2:CSSAccountSearchRequestService" name="CSSAccountSearchRequestService">
          <WSDL3.0:address location="http://10.184.86.121:7001/dbkls-xws-app/CSSAccountSearchRequestService"/>
        <WSDL3.0:port>
      <WSDL3.0:service>
    <WSDL3.0:types>
  <WSDL3.0:definitions>

```

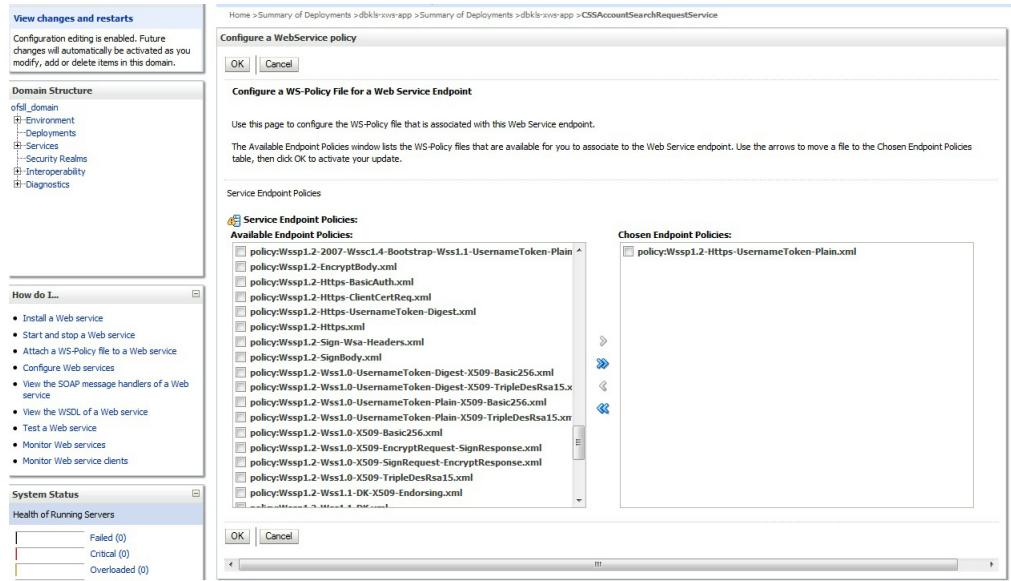
10. Browse to Configuration ' WS-Policy



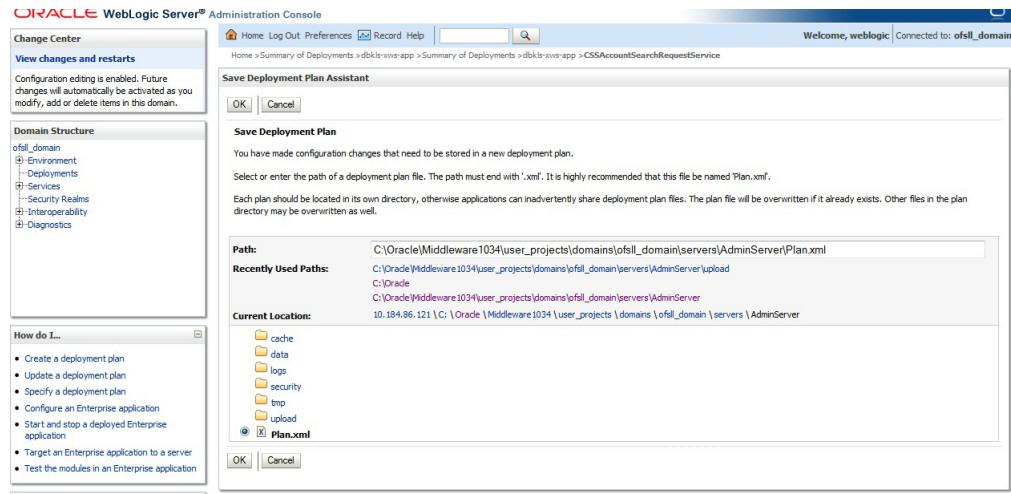
11. Click on CSSAccountSearchRequestService.



12. Select policy:Wssp1.2-Https-UsernameToken-Plain.xml and click arrow button as shown above.

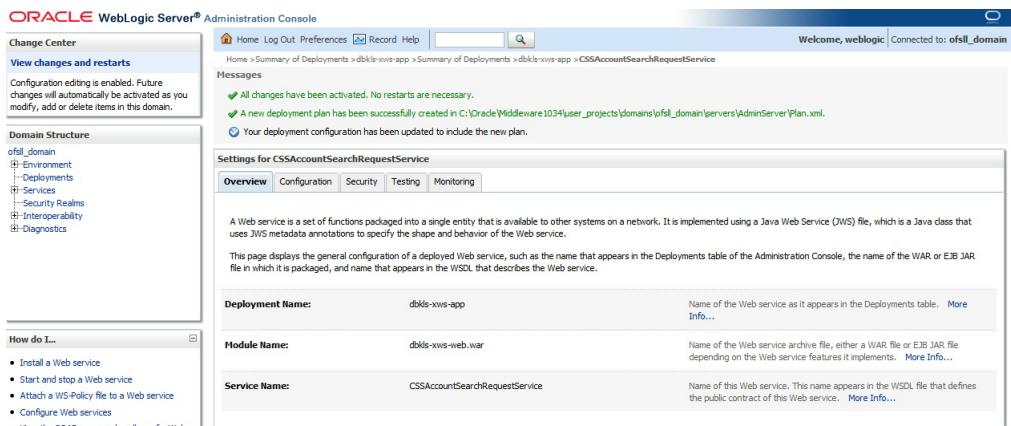


13. Click OK.



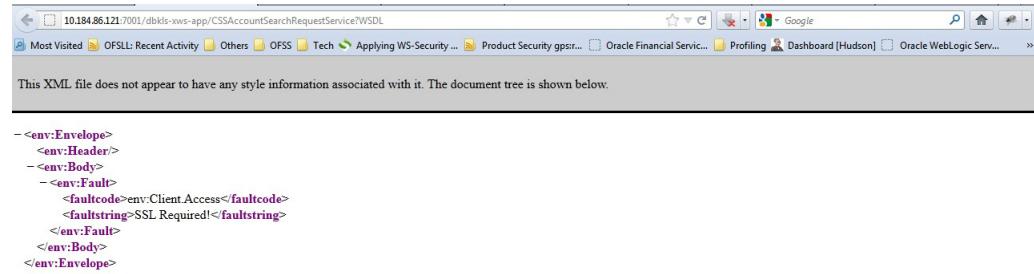
14. Browse to any folder to save Deployment Plan.

15. Then Click OK.



16. Now you will be not able to access the WSDL on http port.

17. Following message will be shown when you access with http URL.



```

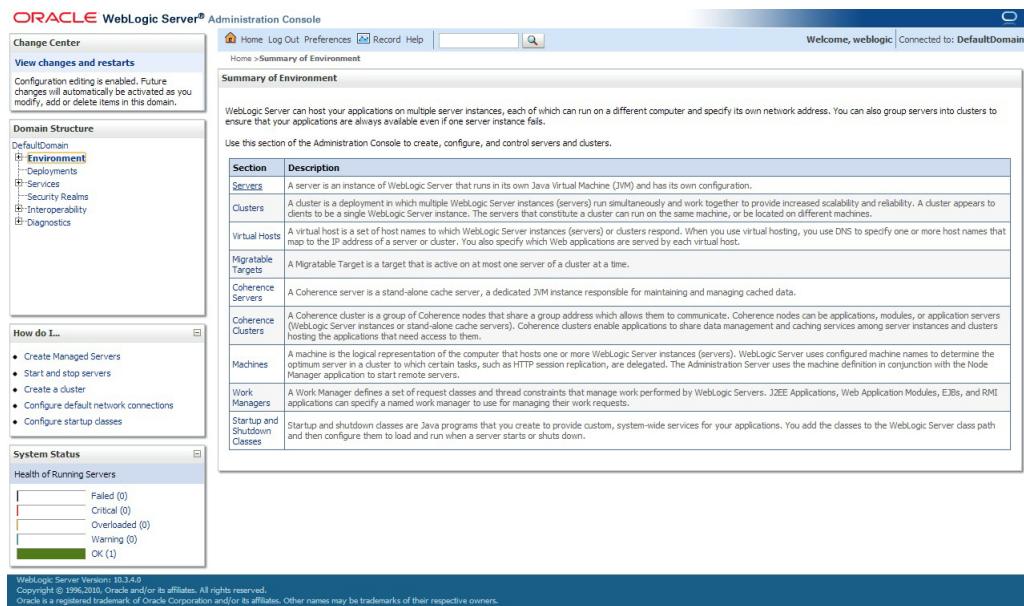
<env:Envelope>
  <env:Header>
  <env:Body>
    <env:Fault>
      <faultcode>env:Client Access</faultcode>
      <faultstring>SSL Required!</faultstring>
    </env:Fault>
  </env:Body>
</env:Envelope>

```

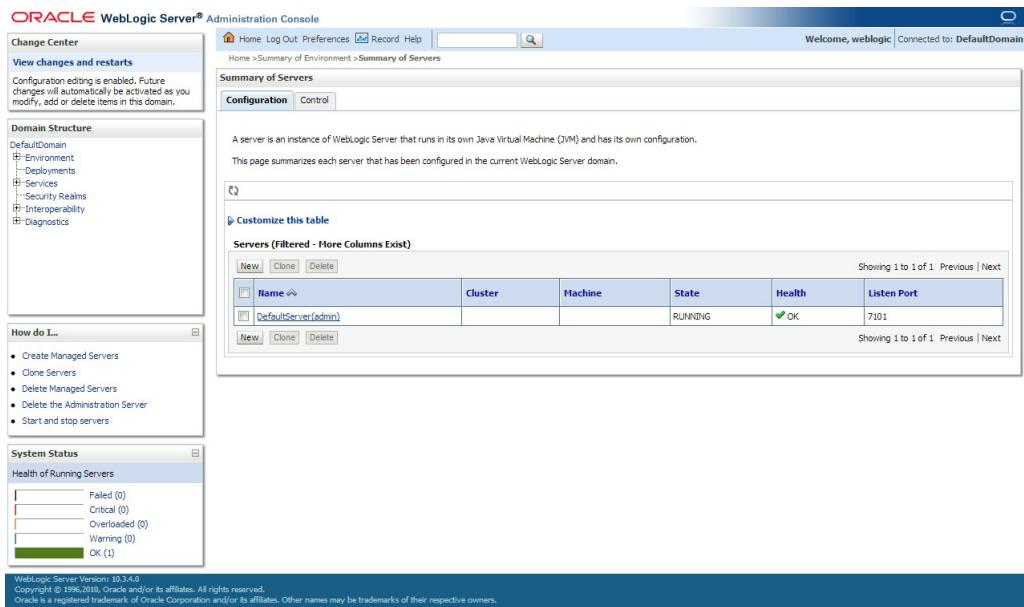
For SSL communication, the vendor servers seek public certificates. Hence, you need to download the certificates from vendor website and import into your java keystore.

You then need to configure Weblogic to present the certificates to vendor servers for successful handshake.

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



19. Click Servers



20. Select the Server into which the webservices are deployed.

ORACLE WebLogic Server® Administration Console

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

DefaultDomain

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

How do I... Configure default network connections
Create and configure machines
Configure clusters
Start and stop servers
Configure WLDF diagnostic volume

System Status

Health of Running Servers

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

Settings for DefaultServer

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

Save Configuration - Keystores- Tab

Use this page to configure general features of this server such as default network communications.

View JNDI Tree View JNDI Tree

Name: DefaultServer An alphanumeric name for this server instance. [More Info...](#)

Machine: (None) The WebLogic Server host computer (machine) on which this server is meant to run. [More Info...](#)

Cluster: (Standalone) The cluster, or group of WebLogic Server instances, to which this server belongs. [More Info...](#)

Listen Address:

Listen Port Enabled Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. [More Info...](#)

Listen Port: 7101 The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. [More Info...](#)

SSL Listen Port Enabled Indicates whether the server can be reached through the default SSL listen port. [More Info...](#)

SSL Listen Port: 7002 The TCP/IP port at which this server listens for SSL connection requests. [More Info...](#)

Client Cert Proxy Enabled Specifies whether the `HttpClusterServlet` proxies the client certificate in a special header. [More Info...](#)

Java Compiler: javac The Java compiler to use for all applications hosted on this server that need to compile Java code. [More Info...](#)

Diagnostic Volume: Low Specifies the volume of diagnostic data that is automatically produced by WebLogic Server at run time. Note that the WLDF diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, this controls the volume of files generated for JRockit Flight Recorder. [More Info...](#)

Advanced Save

21. Select Keystores.

ORACLE WebLogic Server® Administration Console

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

DefaultDomain

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

How do I... Configure identity and trust
Configure keystores
Set up SSL

System Status

Health of Running Servers

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

Settings for DefaultServer

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

Save Cancel

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: Custom Identity and Custom Trust

Which configuration rules should be used for finding the server's identity and trust keystores? [More Info...](#)

Custom Identity and Command Line Trust

Custom Identity and Java Standard Trust

Demo Identity and Demo Trust

WebLogic Server Version: 10.3.4.0
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22. 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

23. Click **Save**.

24. The WSDL can be accessed on https port as below.

25. The WS-Policy will be shown in WSDL.

```

<WL5G3N1:definitions name="CSSAccountSearchRequestService" targetNamespace="http://com/ofss/fil/xws/xcs/AccountSearch.wsdl">
  <wsp:UsingPolicy WL5G3N1:Required="true"/>
  <wsp:Policy WL5G3N0:Id="Wssp1.2-Https-UsernameToken-Plain.xml">
    <sp:TransportBinding>
      <sp:TransportBinding>
        <sp:TransportToken>
          <sp:HttpsToken/>
        <sp:TransportToken>
      <sp:AlgorithmSuite>
        <sp:Basic256>
        <sp:AlgorithmSuite>
        <sp:AlgorithmSuite>
      <sp:Layout>
        <sp:Lax/>
      <sp:Layout>
      <sp:IncludeTimestamp/>
    <sp:Policy>
    <sp:TransportBinding>
      <sp:SupportingTokens>
        <sp:Policy>
          <sp:UsernameToken sp:IncludeToken="http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200512/IncludeToken/AlwaysToRecipient">
            <sp:Policy>
              <sp:WssUsernameToken10/>
            <sp:Policy>
            <sp:UsernameToken>
            <sp:Policy>
          <sp:SupportingTokens>
        <sp:Policy>
      <WL5G3N1:types>
        <xsd:schema targetNamespace="http://com.ofss.fil.xws.xcs/ICSSAccountSearchRequestService.xsd"/>
      <WL5G3N1:types>
    <WL5G3N1:messages name="doAccountSearchStr0Request">
  
```

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

1. CSSAccountDetailsService
2. CSSAccountPayOffQuoteRequestService
3. CSSAccountSearchRequestService
4. CSSPostTransactionsRequestService

Follow the below steps and 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>/CSSAccountDetailsService?WSDL` and receiving error: "No valid XML found"

Follow the below steps and verify Successful Interface (Route One/Dealer Track) 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`



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