FCUBS Process Flow Deployment
Oracle FLEXCUBE Universal Banking

Release 14.3.0.0.0

[May] [2019]

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1. Introduction

1.1 Background

This document provides detailed description on deploying FCUBS BPEL process flows onto a weblogic server configured with soa suite components .This document will cover different approaches for deploying a process.The audience for this document will be the deployment teams of FCUBS BPEL process flows

1.2 Organization of the Document

The first chapter of this document gives an introduction with brief background and organization of the document. Subsequent chapters of this document will give the details of the various deployment options.

1.3 Acronyms and Abbreviations

Acronyms	Description
BPEL	BPEL Process Flow
BAM	Business Activity Monitoring
SOA Application	With Fusion middleware 12c BPEL process flows becomes part of a SOA Composite application.

2. Oracle JDeveloper IDE

2.1 Introduction

Oracle JDeveloper is the IDE used for BPEL process design and development. It’s recommended that the version of JDeveloper used should be in sync with the Oracle SOA suite that is used for BPEL runtime. E.g. (Oracle SOA suite – 12.2.1+ Oracle JDeveloper 12.2.1). Though different versions of Oracle SOA suite and JDeveloper might be compatible it is recommended to go through the releases notes and documentation prior to their usage.

2.2 Obtaining JDeveloper IDE

Oracle JDeveloper IDE can be downloaded from oracle website, the hyperlink provided might have been updated. Please check appropriate location prior to download and refer installation and release notes documentation of Oracle JDeveloper for Installation instructions.

http://www.oracle.com/technetwork/middleware/bpm/downloads/index.html

https://edelivery.oracle.com/osdc/faces/SearchSoftware

Run fmw_12.2.1.2.0_bpm_quickstart.jar to install jdeveloper with bpm enabled.

3. Creating Application server connection

3.1 Introduction

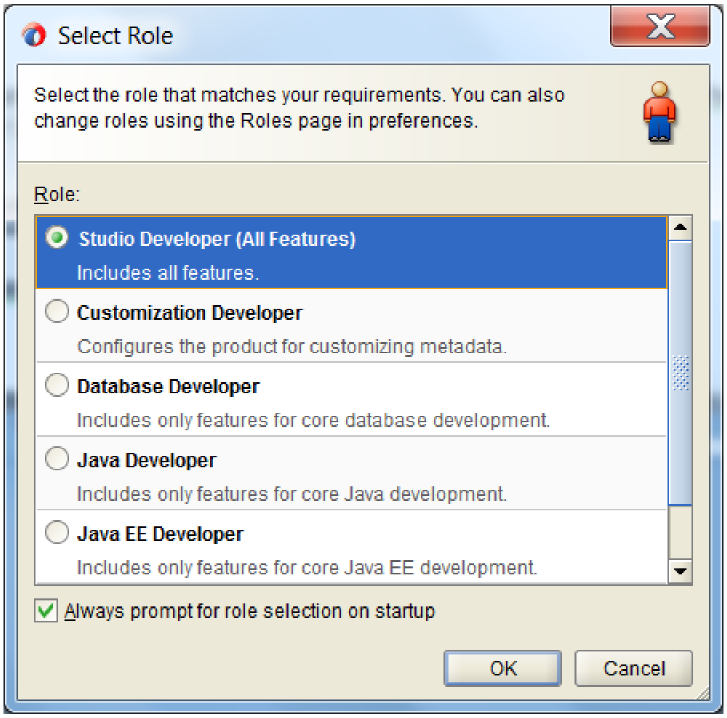
Oracle JDeveloper supports deployment of BPEL process flows to WebLogic application servers via JDeveloper application server connection.

3.2 Application Sever Connection

After JDeveloper has been updated with SOA extension, The IDE can be launched from ‘Programs’ menu or installation location.

Search ‘Oracle JDeveloper Studio’ in All Programs to launch JDeveloper

Select the role as Studio Developer



Select Role

Select the role that matches your requirements. You can also change roles using the Roles page in preferences.

Role:

● **Studio Developer (All Features)**
Includes all features.

○ **Customization Developer**
Configures the product for customizing metadata.

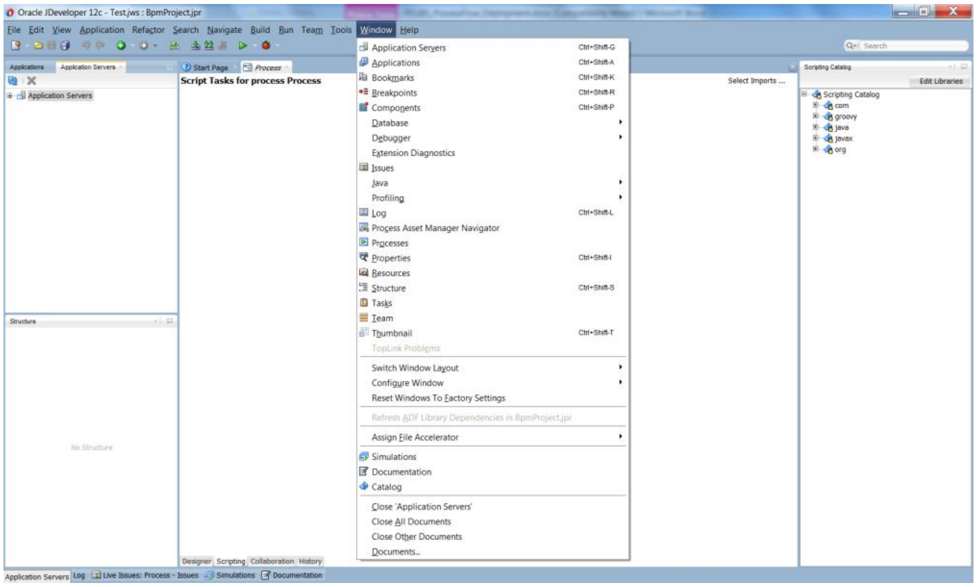
○ **Database Developer**
Includes only features for core database development.

○ **Java Developer**
Includes only features for core Java development.

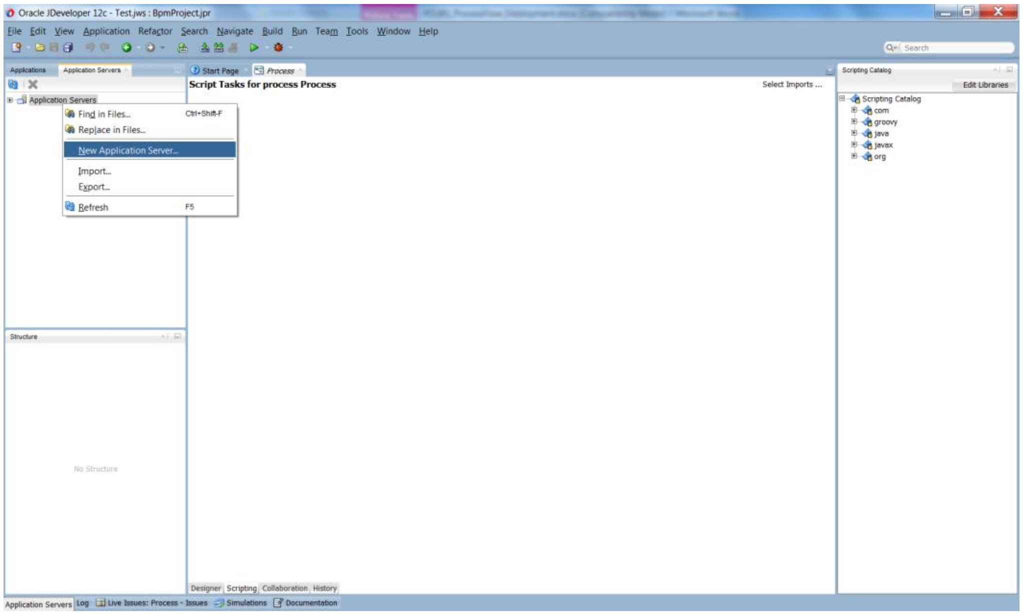
○ **Java EE Developer**
Includes only features for core Java EE development.

☑ Always prompt for role selection on startup

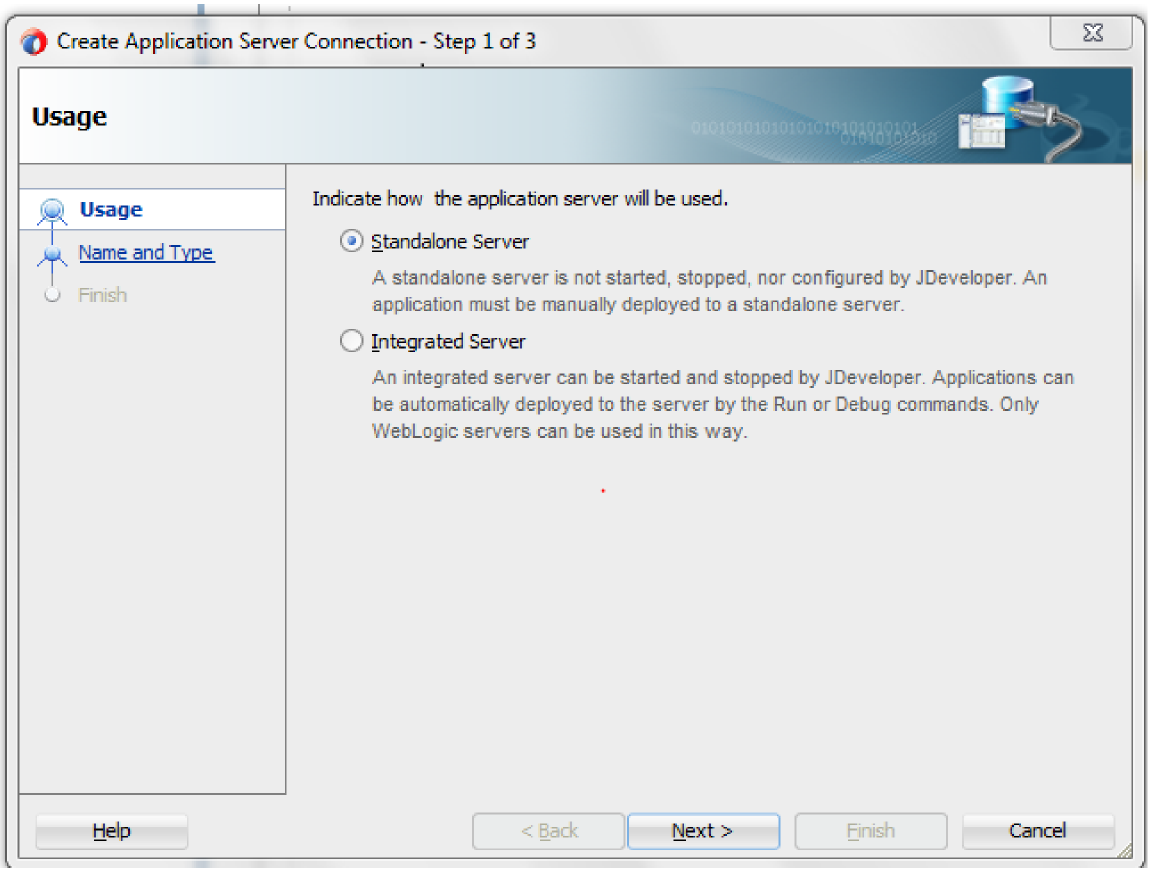
- After JDeveloper is launched
- Click on → windows → Application Servers Navigator


Oracle JDeveloper 12c - Test.jws : BpmProject.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Application Servers Ctrl+Shift-G
Applications Ctrl+Shift-A
Bookmarks Ctrl+Shift-K
Breakpoints Ctrl+Shift-R
Components Ctrl+Shift-P
Database
Debugger
Extension Diagnostics
Issues
Java
Profiling
Log Ctrl+Shift-L
Process Asset Manager Navigator
Processes
Properties Ctrl+Shift-I
Resources
Structure Ctrl+Shift-S
Tasks
Team
Thumbnail Ctrl+Shift-T
TopLink Problems
Switch Window Layout
Configure Window
Reset Windows To Factory Settings
Refresh ADF Library Dependencies in BpmProject.jpr
Assign File Accelerator
Simulations
Documentation
Catalog
Close 'Application Servers'
Close All Documents
Close Other Documents
Documents...
Script Tasks for process Process
Select Imports ...
Scripting Catalog
Edit Libraries
com
groovy
java
javax
org
No Structure

- To create a new WebLogic server connection
- Right click 'Application Servers'
- Click on → New Application Server


Oracle JDeveloper 12c - Test.jws : BpmProject.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Application Servers
Find in Files... Ctrl+Shift-F
Replace in Files...
New Application Server...
Import...
Export...
Refresh F5
Script Tasks for process Process
Select Imports ...
Scripting Catalog
Edit Libraries
com
groovy
java
javax
org
No Structure

- The "Create Application Server Connection" wizard is launched as shown below.
- Select the Radio button "Standalone Server"
- Click "Next" to proceed with the configuration


Create Application Server Connection - Step 1 of 3
Usage
Usage
Name and Type
Finish
Help
< Back
Next >
Finish
Cancel

Indicate how the application server will be used.

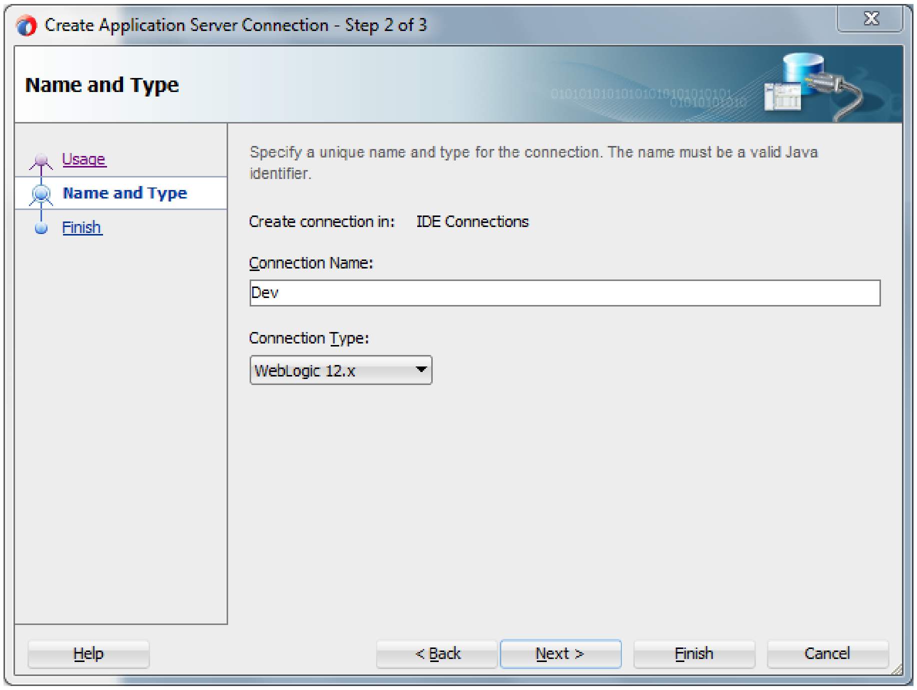
● Standalone Server

A standalone server is not started, stopped, nor configured by JDeveloper. An application must be manually deployed to a standalone server.

○ Integrated Server

An integrated server can be started and stopped by JDeveloper. Applications can be automatically deployed to the server by the Run or Debug commands. Only WebLogic servers can be used in this way.

- Provide a ”Connection Name” to identify the server connection.
- Provide the ”Connection Type ” to identify the server type.
- Select “WebLogic server <version>”
- Click “Next” to proceed with the configuration


Create Application Server Connection - Step 2 of 3
Name and Type
Usage
Name and Type
Finish
Help
< Back
Next >
Finish
Cancel

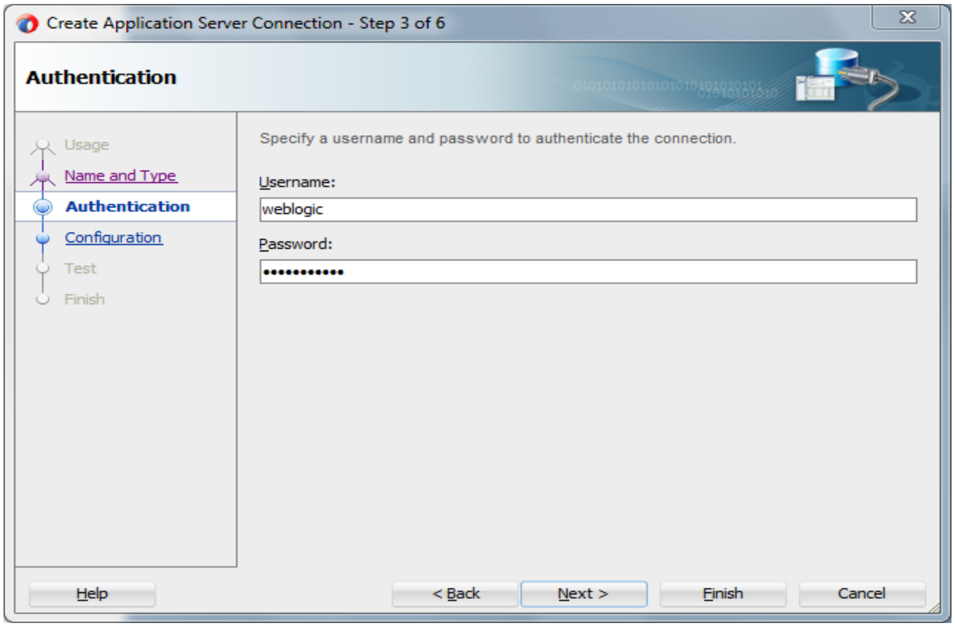
Specify a unique name and type for the connection. The name must be a valid Java identifier.

Create connection in: IDE Connections

Connection Name: Dev

Connection Type: WebLogic 12.x

- Provide username / password to connect to the server
- The same username / password that was used while configuring the server is used.
- Click “Next” to proceed with the configuration

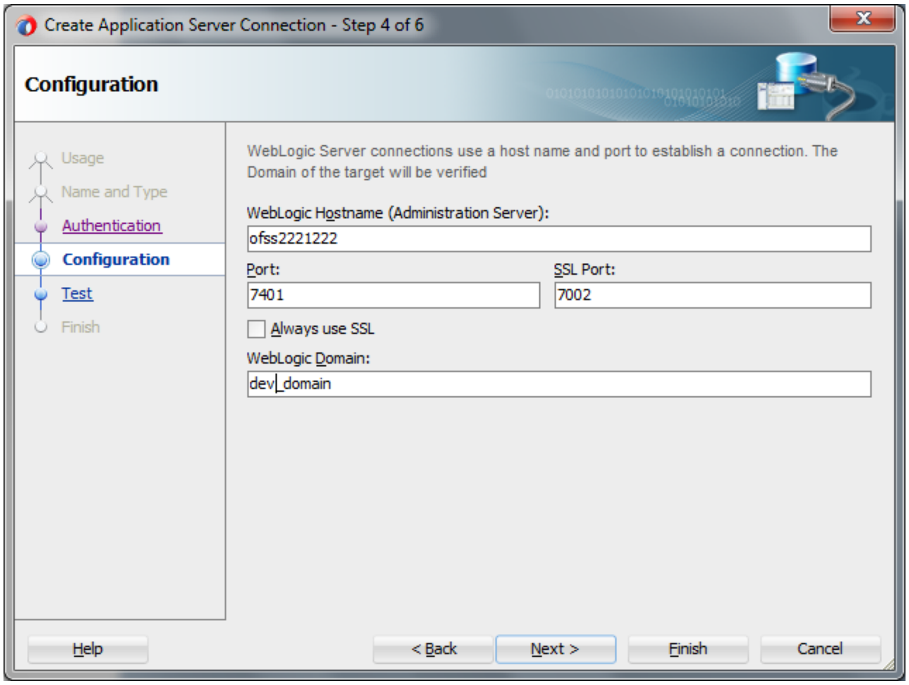

Create Application Server Connection - Step 3 of 6
Authentication
Usage
Name and Type
Authentication
Configuration
Test
Finish
Help
< Back
Next >
Finish
Cancel

Specify a username and password to authenticate the connection.

Username: weblogic

Password: •••••••••••

- Provide the WebLogic server hostname and the port number of the Admin server.
- Provide the domain name under which the server has been configured.
- Click “Next” to proceed with the configuration


Create Application Server Connection - Step 4 of 6
Configuration
Usage
Name and Type
Authentication
Configuration
Test
Finish
Help
< Back
Next >
Finish
Cancel

WebLogic Server connections use a host name and port to establish a connection. The Domain of the target will be verified

WebLogic Hostname (Administration Server): ofss2221222

Port: 7401

SSL Port: 7002

☐ Always use SSL

WebLogic Domain: dev_domain

- Click on the ‘Test Connection’ to ensure the configuration is done correctly.
- All the tests should go thru and indicate “success” as shown below that will indicate a correct configuration
- Click “Finish” to proceed and complete the configuration

4. Loading FCUBS Process flows in Oracle JDeveloper

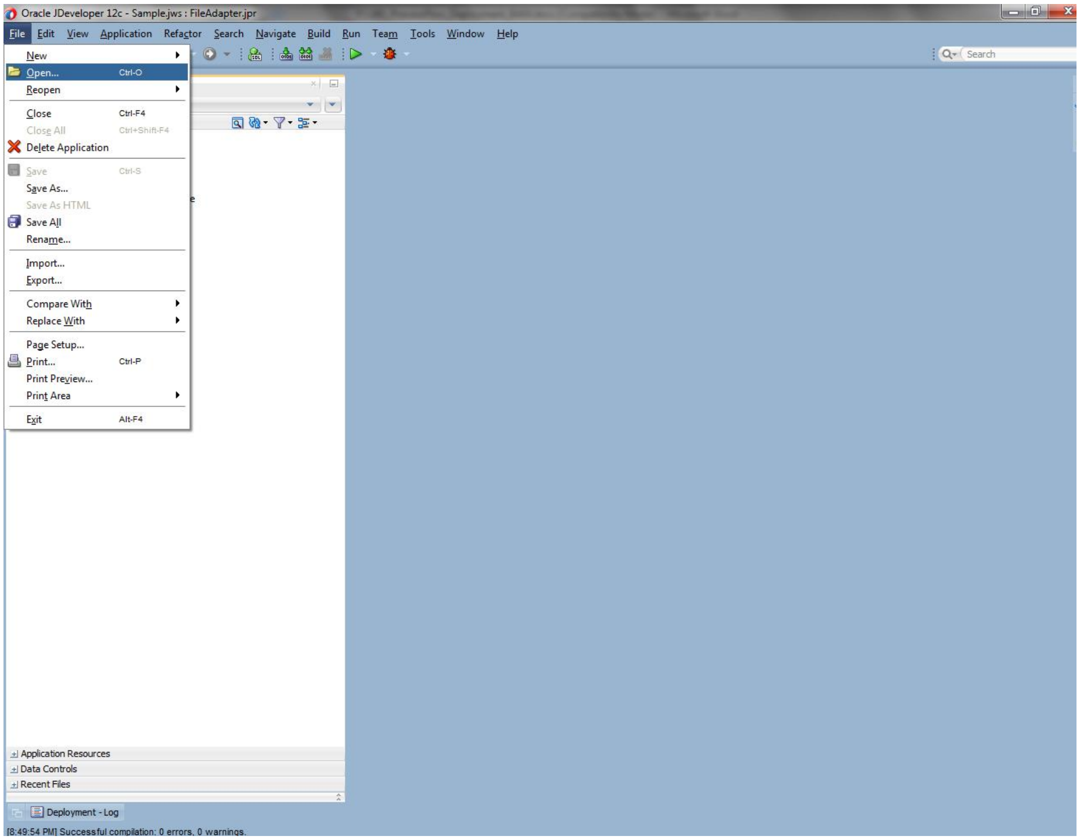
4.1 Introduction

The FCUBS BPEL process flows that are to be deployed needs to be obtained from the release area and unzipped into a folder location.

4.2 Loading the Process

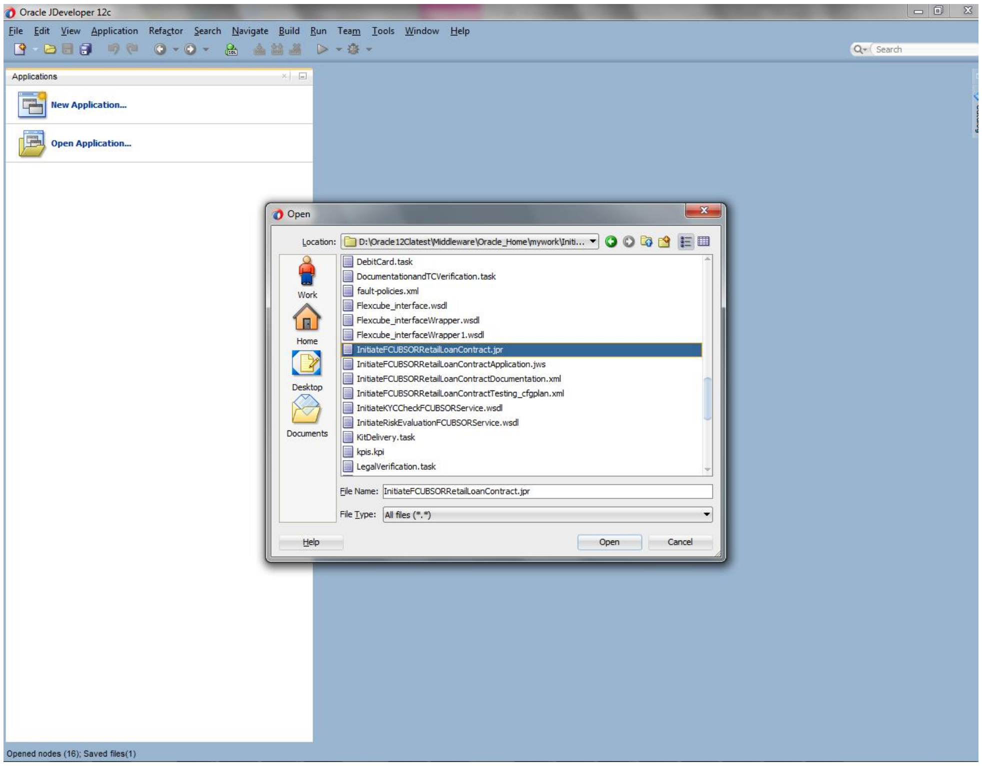
After JDeveloper IDE is launched from ‘Programs’ menu or installation location.

- Click on → File → Open


Oracle JDeveloper 12c - Sample.jws : FileAdapter.jpr
File
Edit
View
Application
Refactor
Search
Navigate
Build
Run
Team
Tools
Window
Help
New
Open... Ctrl-O
Reopen
Close Ctrl-F4
Close All Ctrl+Shift-F4
Delete Application
Save Ctrl-S
Save As...
Save As HTML
Save All
Rename...
Import...
Export...
Compare With
Replace With
Page Setup...
Print... Ctrl-P
Print Preview...
Print Area
Exit Alt-F4
Search
Application Resources
Data Controls
Recent Files
Deployment - Log

```
[8:49:54 PM] Successful compilation: 0 errors, 0 warnings.
```

- Navigate to the folder where process flow is deployed
- Locate and select the “.jpr” file under the folder <process_name>
- Click ‘Open’ to load the process flow in JDeveloper


Oracle JDeveloper 12c
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Search
Applications
New Application...
Open Application...
Open
Work
Home
Desktop
Documents
DebitCard.task
DocumentationandTCVerification.task
fault-policies.xml
Flexcube_interface.wsdl
Flexcube_interfaceWrapper.wsdl
Flexcube_interfaceWrapper1.wsdl
InitiateFCUBSORRetailLoanContract.jpr
InitiateFCUBSORRetailLoanContractApplication.jws
InitiateFCUBSORRetailLoanContractDocumentation.xml
InitiateFCUBSORRetailLoanContractTesting_cfgplan.xml
InitiateKYCCheckFCUBSORService.wsdl
InitiateRiskEvaluationFCUBSORService.wsdl
KitDelivery.task
kpis.kpi
LegalVerification.task
Help
Open
Cancel

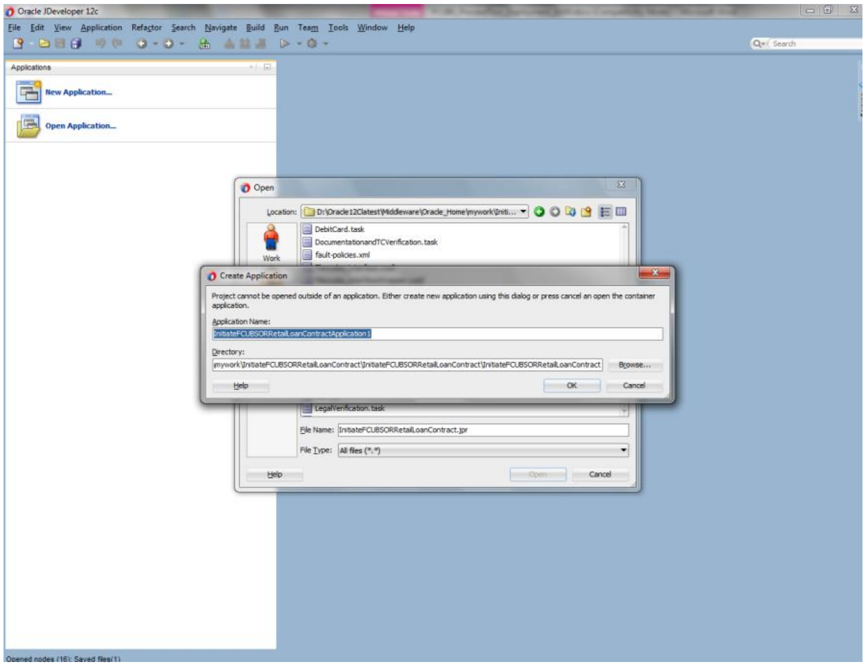
Location: D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\Initi...

File Name: InitiateFCUBSORRetailLoanContract.jpr

File Type: All files (*.*)

Opened nodes (16); Saved files(1)

- If this is the first Process flow that is being loaded JDeveloper will prompt for an Application Name and Location where the application file will be stored
- Provide an application name and folder path for the same.
- Click in “Ok” to proceed with loading of the process flow.


Oracle JDeveloper 12c
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Search
Applications
New Application...
Open Application...
Open
Work
DebitCard.task
DocumentationandTCVerification.task
fault-policies.xml
LegalVerification.task
Create Application
Browse...
Help
OK
Cancel
Open

Project cannot be opened outside of an application. Either create new application using this dialog or press cancel an open the container application.

Application Name: InitiateFCUBSORRetailLoanContractApplication1

Directory: mywork\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract

Location: D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\Initi...

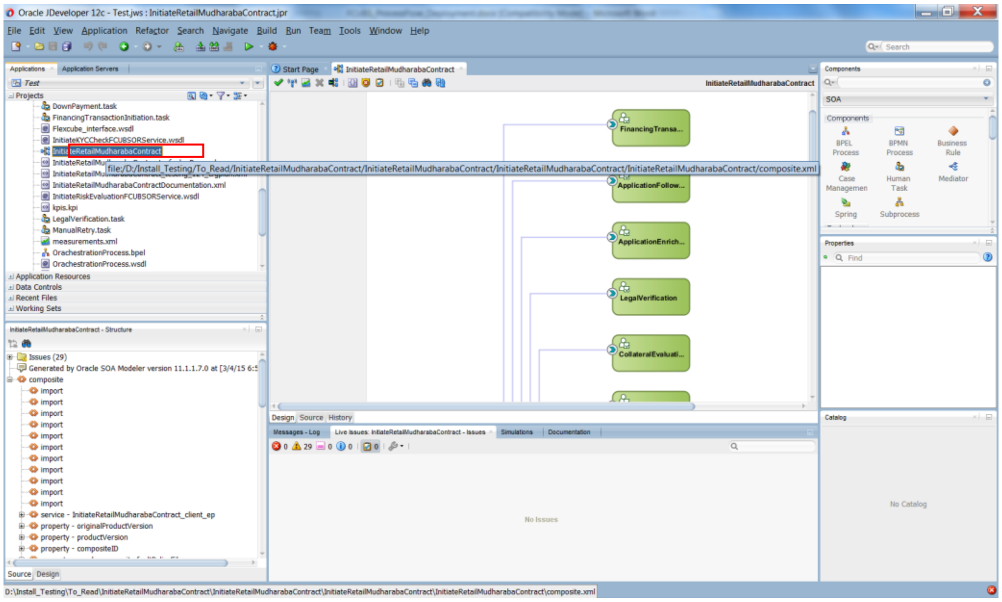
File Name: InitiateFCUBSORRetailLoanContract.jpr

File Type: All files (*.*)

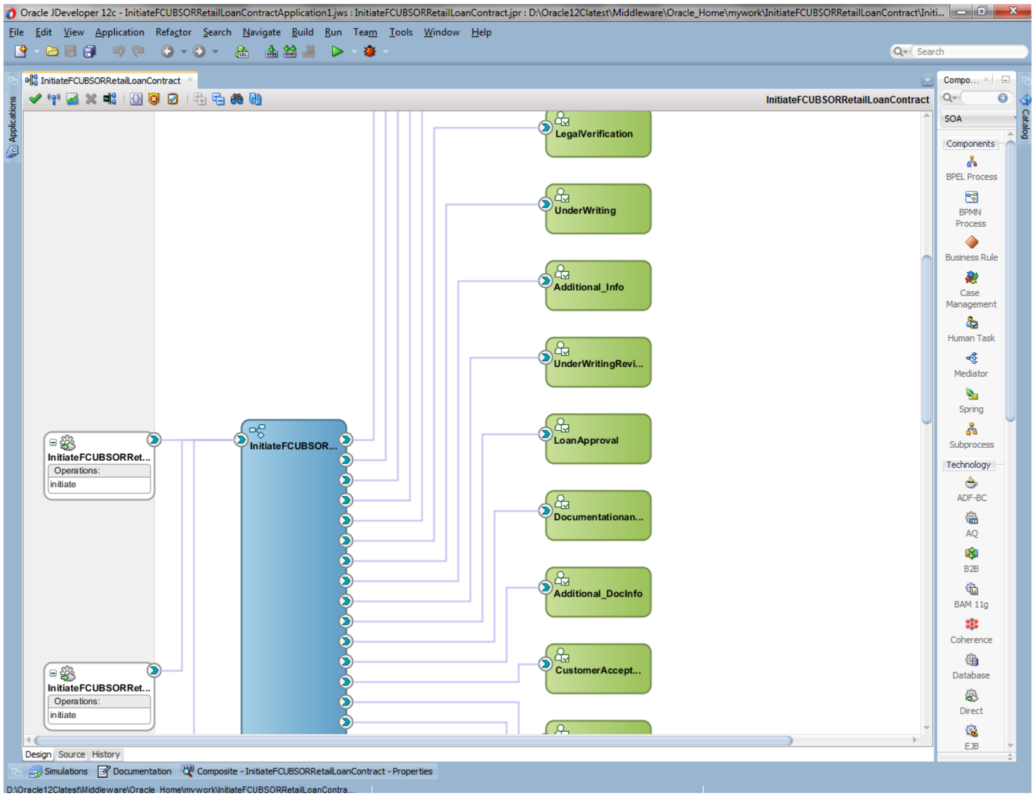
Opened nodes (16); Saved files(1)

- The process flow is loaded into JDeveloper and is displayed as given below

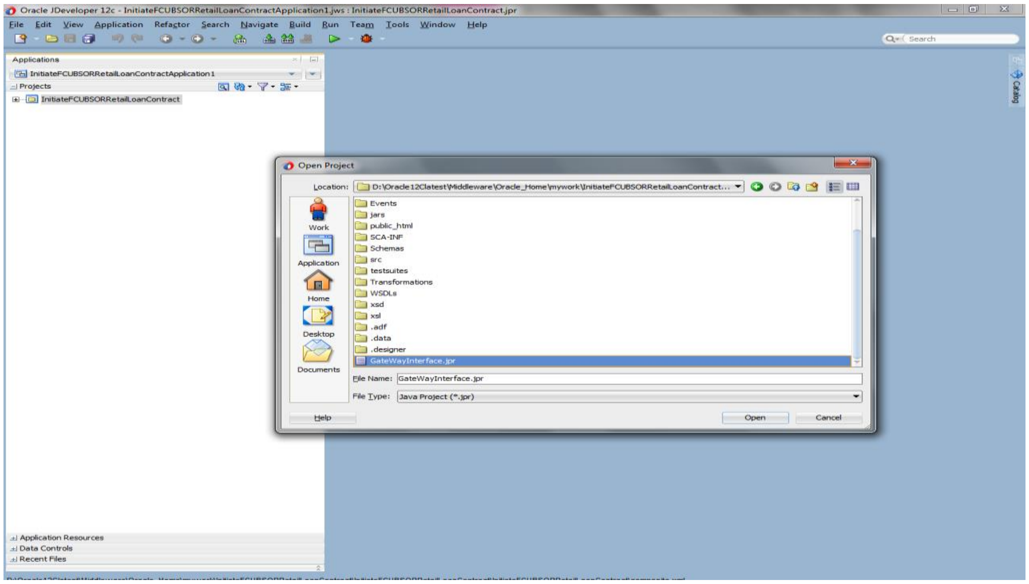
- Expand the project loaded and click on the composite.xml


Oracle JDeveloper 12c - Test.jws : InitiateRetailMudharabaContract.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
Application Servers
Test
Projects
DownPayment.task
FinancingTransactionInitiation.task
Flexcube_interface.wsdl
InitiateKYCCheckFCUBSORService.wsdl
InitiateRetailMudharabaContract
InitiateRetailMudharabaContractDocumentation.xml
InitiateRiskEvaluationFCUBSORService.wsdl
kpis.kpi
LegalVerification.task
ManualRetry.task
measurements.xml
OrachestrationProcess.bpel
OrachestrationProcess.wsdl
Application Resources
Data Controls
Recent Files
Working Sets
file:/D:/Install_Testing/To_Read/InitiateRetailMudharabaContract/InitiateRetailMudharabaContract/InitiateRetailMudharabaContract/InitiateRetailMudharabaContract/composite.xml
InitiateRetailMudharabaContract - Structure
Issues (29)
Generated by Oracle SOA Modeler version 11.1.1.7.0 at [3/4/15 6:5
composite
import
service - InitiateRetailMudharabaContract_client_ep
property - originalProductVersion
property - productVersion
property - compositeID
Start Page
InitiateRetailMudharabaContract
FinancingTransa...
ApplicationFollow...
ApplicationEnrich...
LegalVerification
CollateralEvaluati...
Design Source History
Messages - Log
Live Issues: InitiateRetailMudharabaContract - Issues
Simulations
Documentation
No Issues
Components
SOA
BPEL Process
BPMN Process
Business Rule
Case Managemen
Human Task
Mediator
Spring
Subprocess
Properties
Catalog
No Catalog
D:\Install_Testing\To_Read\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\composite.xml

- Clicking on the “composite.xml” under “SOA” in Design mode will display the process flow as illustrated in the screen shot.


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr : D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\InitiateFCUBSORRetailLoanContract\Initi...
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
InitiateFCUBSORRetailLoanContract
InitiateFCUBSORRet...
Operations:
initiate
InitiateFCUBSOR...
LegalVerification
UnderWriting
Additional_Info
UnderWritingRevi...
LoanApproval
Documentationan...
Additional_DocInfo
CustomerAccept...
Design Source History
Simulations
Documentation
Composite - InitiateFCUBSORRetailLoanContract - Properties
Compo...
SOA
Components
BPEL Process
BPMN Process
Business Rule
Case Management
Human Task
Mediator
Spring
Subprocess
Technology
ADF-BC
AQ
B2B
BAM 11g
Coherence
Database
Direct
EJB
Catalog
D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\InitiateFCUBSORRetailLoanContra...

- All the required process flow can be loaded in the similar fashion from File Menu into the same application.


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
InitiateFCUBSORRetailLoanContractApplication1
Projects
InitiateFCUBSORRetailLoanContract
Application Resources
Data Controls
Recent Files
Open Project
Work
Application
Home
Desktop
Documents
Events
jars
public_html
SCA-INF
Schemas
src
testsuites
Transformations
WSDLs
xsd
xsl
.adf
.data
.designer
GateWayInterface.jpr
Help
Open
Cancel

Location: D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\InitiateFCUBSORRetailLoanContract...

File Name: GateWayInterface.jpr

File Type: Java Project (*.jpr)

- After all the necessary process flows are loaded, all process flows will be displayed in the “Application Navigator” menu as illustrated in the screen shot.

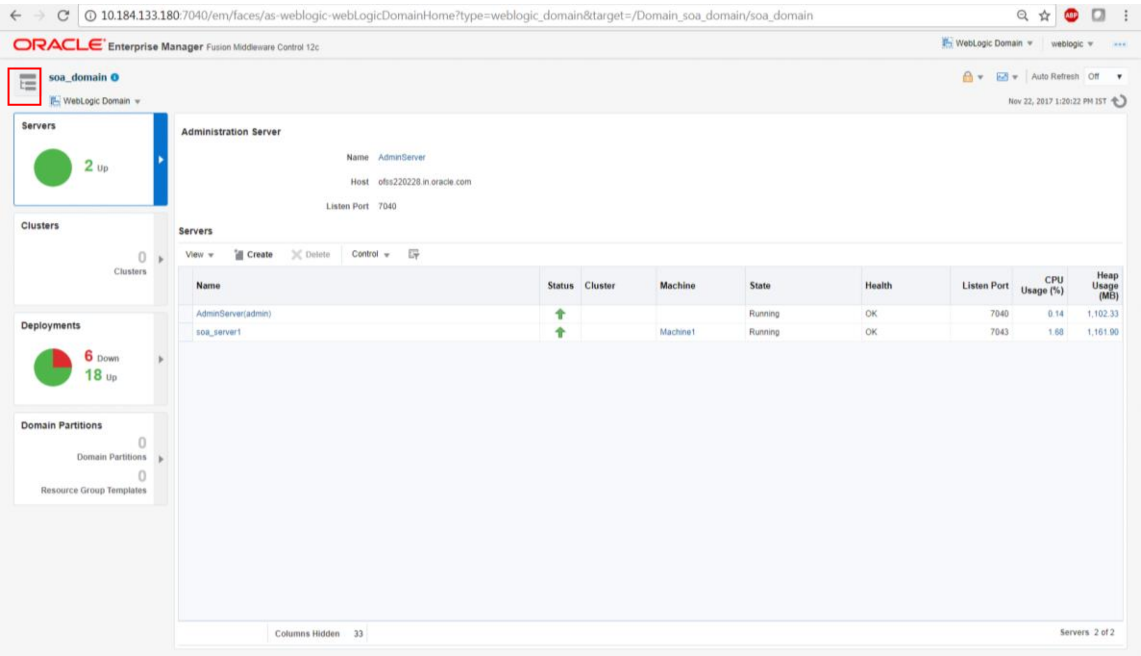
In case of Dependent Process Flows like InitiateFCUBSORRetailLoanContract, having other Process Flows as services and subprocesses the composite.xml file has to be modified with the runtime wsdl location of the subprocess (like BIPUtility).

To obtain the runtime wsdl, em console has to be launched and input the user name and password for the SOA Domain.

The deployed process can be verified by checking if the process is showing up in the SOA Suite enterprise manager console.

Login to http://<hostname>:<port>/em

This opens the application as in the below screenshot. Now, click on Target Navigation (highlighted in the below screenshot)


10.184.133.180:7040/em/faces/as-weblogic-webLogicDomainHome?type=weblogic_domain&target=/Domain_soa_domain/soa_domain
ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
weblogic
soa_domain
WebLogic Domain
Auto Refresh Off
Nov 22, 2017 1:20:22 PM IST
Servers
2 Up
Clusters
0 Clusters
Deployments
6 Down
18 Up
Domain Partitions
0 Domain Partitions
0 Resource Group Templates
View
Create
Delete
Control
Columns Hidden 33
Servers 2 of 2

Administration Server

Name AdminServer

Host ofss220228.in.oracle.com

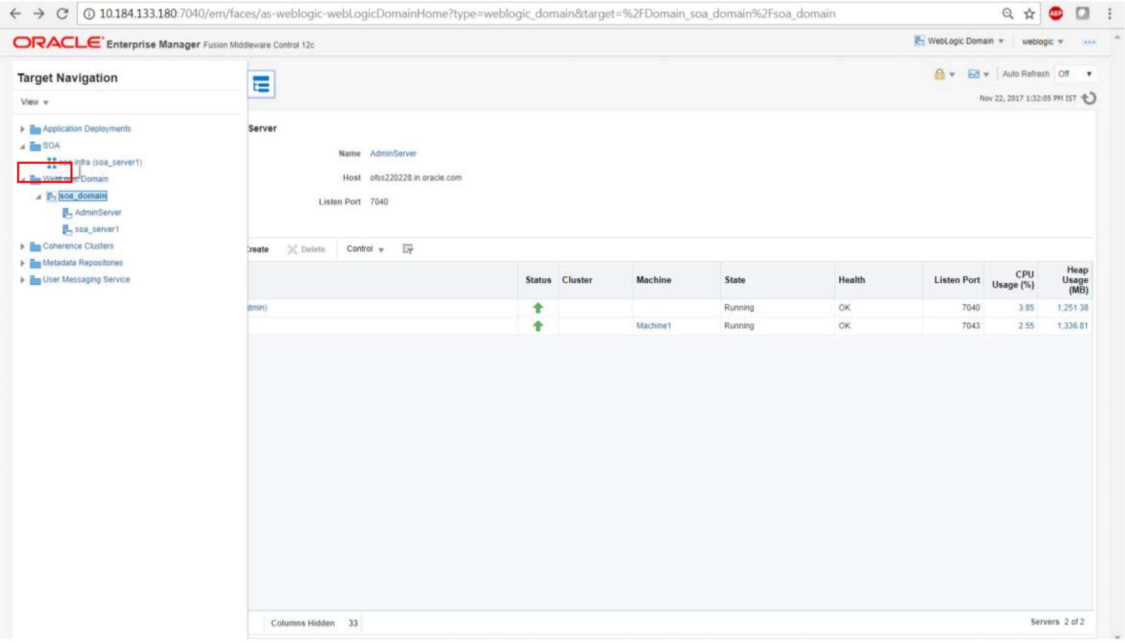
Listen Port 7040

Servers

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Heap Usage (MB)
AdminServer(admin)	↑			Running	OK	7040	0.14	1,102.33
soa_server1	↑		Machine1	Running	OK	7043	1.68	1,161.90

Upon opening the Target Navigation, user is presented with the below set of screens in sequence before getting the WSDL

Click on SOA


10.184.133.180:7040/em/faces/as-weblogic-webLogicDomainHome?type=weblogic_domain&target=%2FDomain_soa_domain%2Fsoa_domain
ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
weblogic
Target Navigation
View
Application Deployments
SOA
soa-infra (soa_server1)
WebLogic Domain
soa_domain
AdminServer
soa_server1
Coherence Clusters
Metadata Repositories
User Messaging Service
Auto Refresh Off
Nov 22, 2017 1:32:05 PM IST
Create
Delete
Control
Columns Hidden 33
Servers 2 of 2

Server

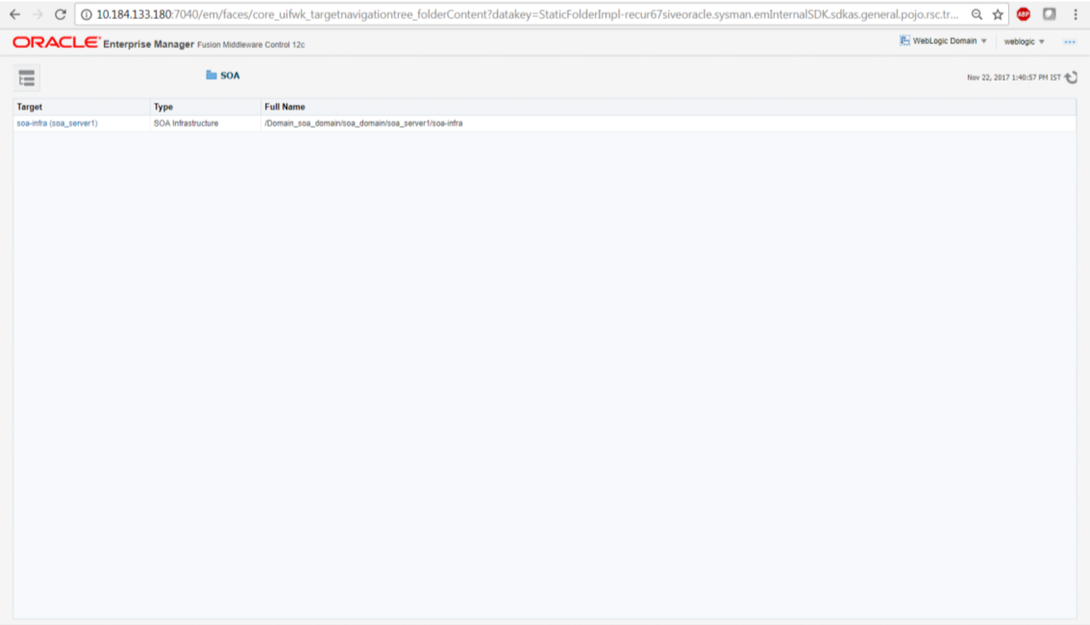
Name AdminServer

Host ofss220228.in.oracle.com

Listen Port 7040

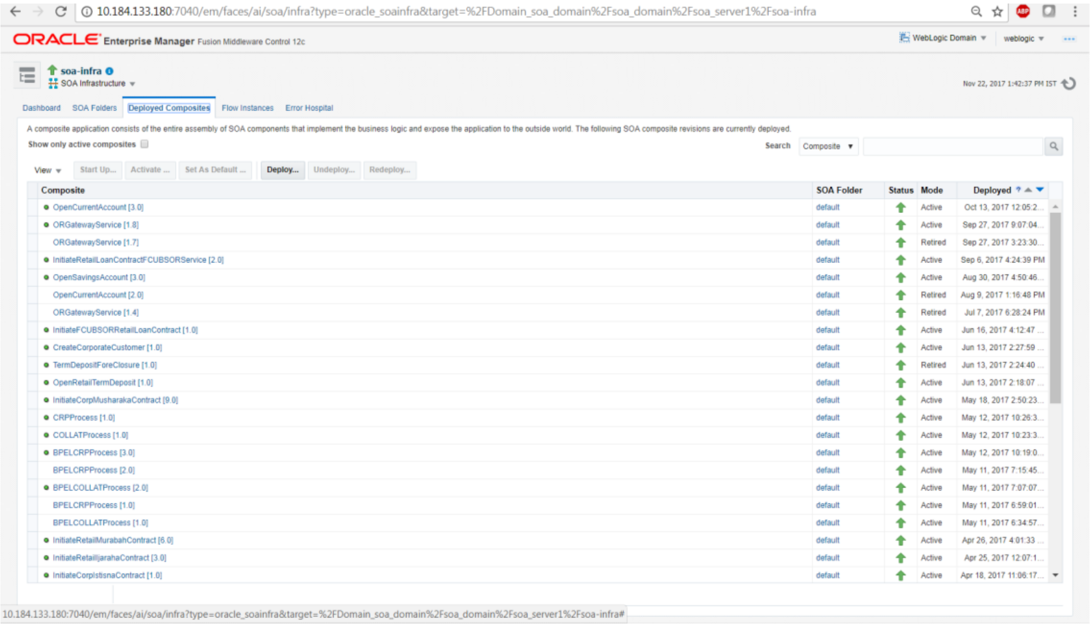
	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Heap Usage (MB)
dmin)	↑			Running	OK	7040	3.85	1,251.38
	↑		Machine1	Running	OK	7043	2.55	1,336.81

Click on the Target SOA server



Target	Type	Full Name
soa-infra (soa_server1)	SOA Infrastructure	/Domain_soa_domain/soa_domain/soa_server1/soa-infra

Move to deployed composites, click on the corresponding utility/ sub process

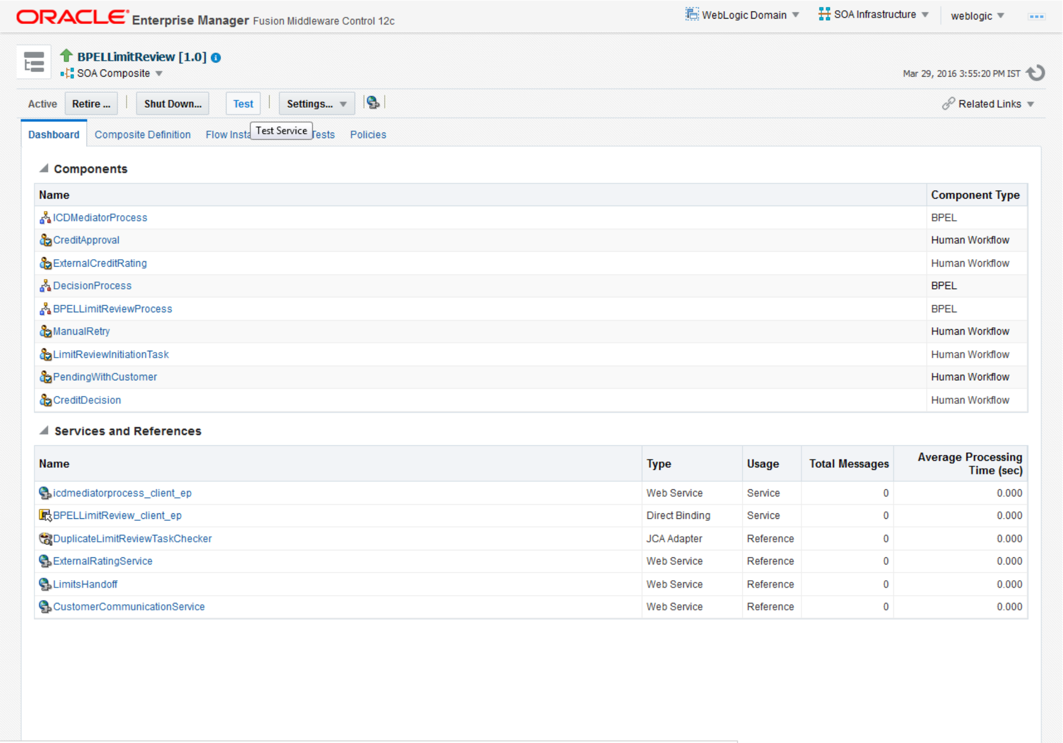


A composite application consists of the entire assembly of SOA components that implement the business logic and expose the application to the outside world. The following SOA composite revisions are currently deployed.

Composite	SOA Folder	Status	Mode	Deployed
● OpenCurrentAccount [3.0]	default	↑	Active	Oct 13, 2017 12:05:2...
● ORGatewayService [1.8]	default	↑	Active	Sep 27, 2017 9:07:04...
ORGatewayService [1.7]	default	↑	Retired	Sep 27, 2017 3:23:30...
● InitiateRetailLoanContractFCUBSORService [2.0]	default	↑	Active	Sep 6, 2017 4:24:39 PM
● OpenSavingsAccount [3.0]	default	↑	Active	Aug 30, 2017 4:50:46...
OpenCurrentAccount [2.0]	default	↑	Retired	Aug 9, 2017 1:16:48 PM
ORGatewayService [1.4]	default	↑	Retired	Jul 7, 2017 6:28:24 PM
● InitiateFCUBSORRetailLoanContract [1.0]	default	↑	Active	Jun 16, 2017 4:12:47 ...
● CreateCorporateCustomer [1.0]	default	↑	Active	Jun 13, 2017 2:27:59 ...
● TermDepositForeClosure [1.0]	default	↑	Retired	Jun 13, 2017 2:24:40 ...
● OpenRetailTermDeposit [1.0]	default	↑	Active	Jun 13, 2017 2:18:07 ...
● InitiateCorpMusharakaContract [9.0]	default	↑	Active	May 18, 2017 2:50:23...
● CRPProcess [1.0]	default	↑	Active	May 12, 2017 10:26:3...
● COLLATProcess [1.0]	default	↑	Active	May 12, 2017 10:23:3...
● BPELCRPProcess [3.0]	default	↑	Active	May 12, 2017 10:19:0...
BPELCRPProcess [2.0]	default	↑	Active	May 11, 2017 7:15:45...
● BPELCOLLATProcess [2.0]	default	↑	Active	May 11, 2017 7:07:07...
BPELCRPProcess [1.0]	default	↑	Active	May 11, 2017 6:59:01...
BPELCOLLATProcess [1.0]	default	↑	Active	May 11, 2017 6:34:57...
● InitiateRetailMurabahContract [6.0]	default	↑	Active	Apr 26, 2017 4:01:33 ...
● InitiateRetailIjarahaContract [3.0]	default	↑	Active	Apr 25, 2017 12:07:1...
● InitiateCorpIstisnaContract [1.0]	default	↑	Active	Apr 18, 2017 11:06:17...

The Runtime wsdl is obtained from the em console as shown in the screen shot.

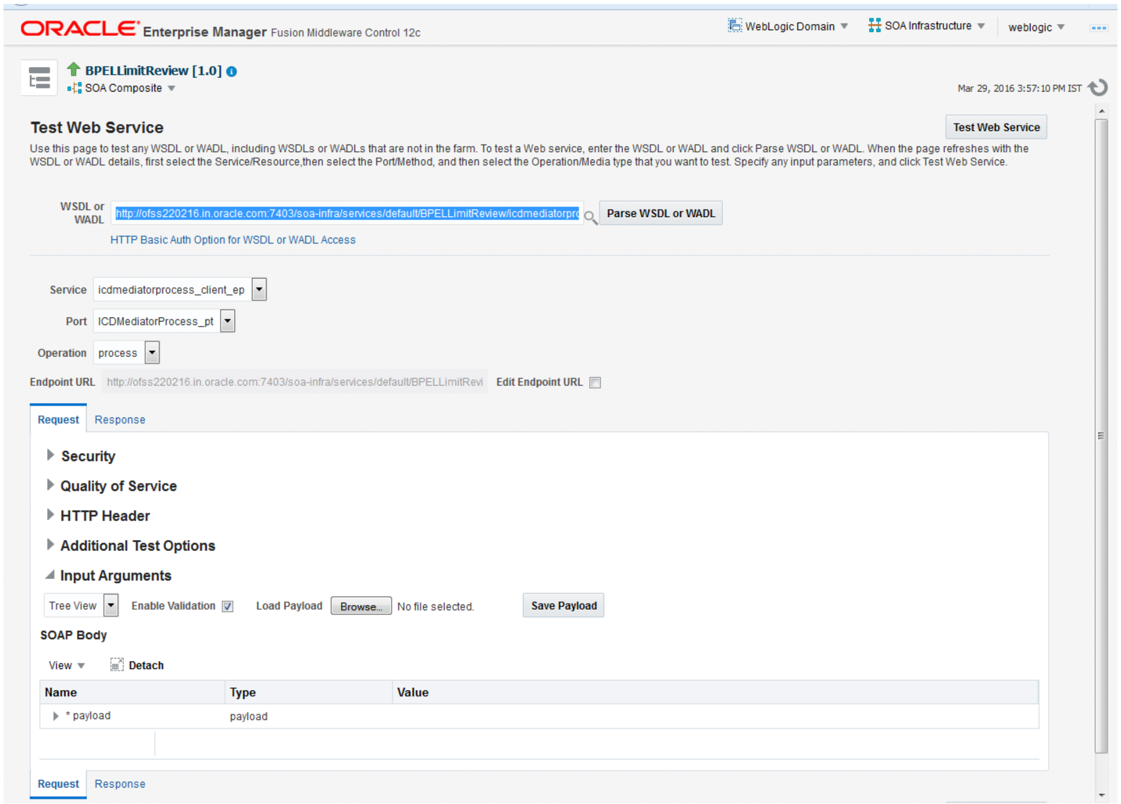
- In the em console, click the process for which runtime wsdl is required and click on Test.


ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
SOA Infrastructure
weblogic
BPELLimitReview [1.0]
SOA Composite
Mar 29, 2016 3:55:20 PM IST
Active
Retire ...
Shut Down...
Test
Settings...
Related Links
Dashboard
Composite Definition
Flow Insta
Test Service
Tests
Policies
Components
Services and References

Name	Component Type
ICDMediatorProcess	BPEL
CreditApproval	Human Workflow
ExternalCreditRating	Human Workflow
DecisionProcess	BPEL
BPELLimitReviewProcess	BPEL
ManualRetry	Human Workflow
LimitReviewInitiationTask	Human Workflow
PendingWithCustomer	Human Workflow
CreditDecision	Human Workflow

Name	Type	Usage	Total Messages	Average Processing Time (sec)
icdmediatorprocess_client_ep	Web Service	Service	0	0.000
BPELLimitReview_client_ep	Direct Binding	Service	0	0.000
DuplicateLimitReviewTaskChecker	JCA Adapter	Reference	0	0.000
ExternalRatingService	Web Service	Reference	0	0.000
LimitsHandoff	Web Service	Reference	0	0.000
CustomerCommunicationService	Web Service	Reference	0	0.000

- We can obtain the runtime wsdl for the process as shown below in the screen shot.


ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
SOA Infrastructure
weblogic
BPELLimitReview [1.0]
SOA Composite
Mar 29, 2016 3:57:10 PM IST
Test Web Service
Test Web Service
Parse WSDL or WADL
HTTP Basic Auth Option for WSDL or WADL Access
Request
Response
Security
Quality of Service
HTTP Header
Additional Test Options
Input Arguments
Save Payload
SOAP Body
View
Detach
Request
Response

Use this page to test any WSDL or WADL, including WSDLs or WADLs that are not in the farm. To test a Web service, enter the WSDL or WADL and click Parse WSDL or WADL. When the page refreshes with the WSDL or WADL details, first select the Service/Resource,then select the Port/Method, and then select the Operation/Media type that you want to test. Specify any input parameters, and click Test Web Service.

WSDL or WADL: http://ofss220216.in.oracle.com:7403/soa-infra/services/default/BPELLimitReview/icdmediatorprc

Service: icdmediatorprocess_client_ep

Port: ICDMediatorProcess_pt

Operation: process

Endpoint URL: http://ofss220216.in.oracle.com:7403/soa-infra/services/default/BPELLimitRevi Edit Endpoint URL ☐

Tree View Enable Validation ☑ Load Payload Browse... No file selected.

Name	Type	Value
* payload	payload	

- Now we replace this runtime wsdl in the composite.xml of the process as shown in the screen shot for that particular subprocess. Click on the source tab(highlighted in the screenshot) to view the xml code of the process

5. Deployment Profile and Configuration Plan

5.1 Introduction

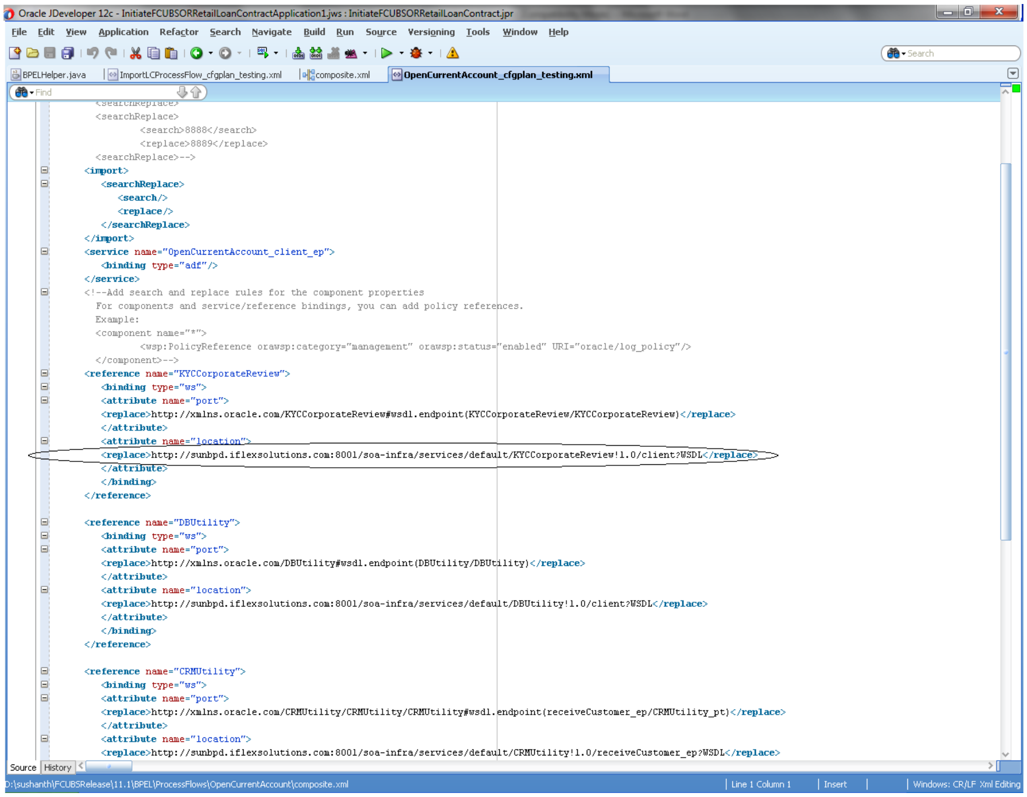
A deployment profile is automatically created for all FCUBS Process flows. The application profile includes the JAR files of SOA projects.

The configuration plan enables us to define the URL and property values to use in different environments. During process deployment, the configuration plan is used to search the SOA project for values that must be replaced to adapt the project to the target environment.

5.2 Updating the configuration plan

All the FCUBS process flows has been developed with three configuration plans with the following naming convention for development, testing & production environments. If there are no configuration plans in any process flow, it simply means that there are no replacement values that needs to be replaced in the project and that project can be deployed without any config plans.

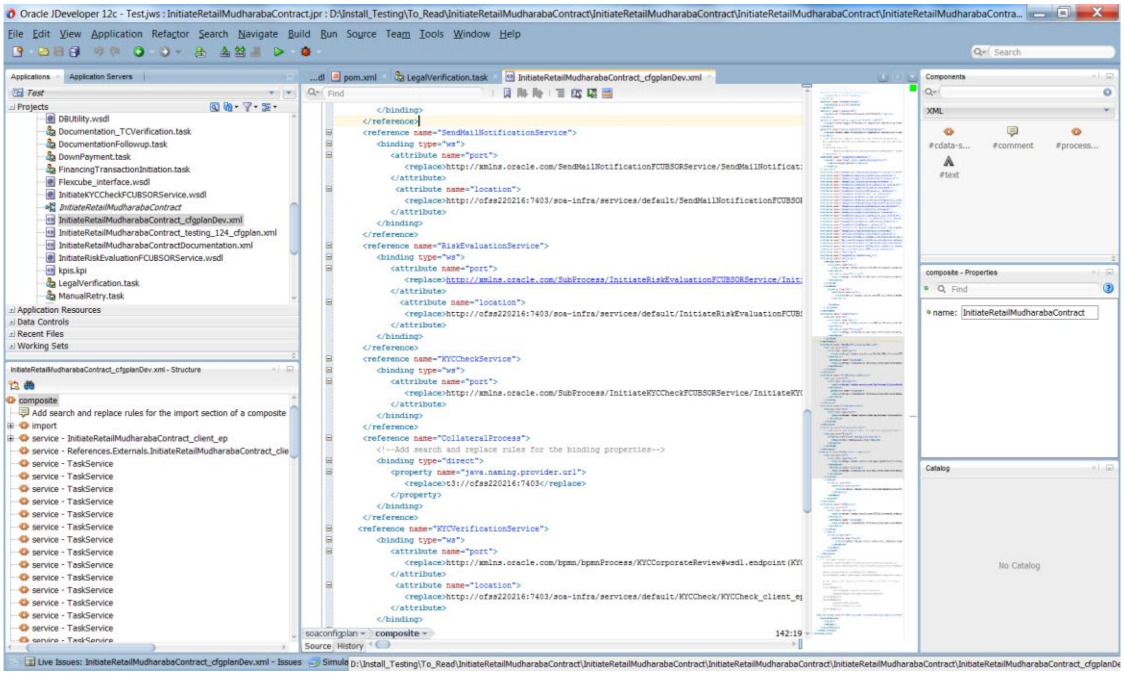
Expand the Application -> SOA -> <processflow_name>_cfgplan_dev.xml


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
File
Edit
View
Application
Refactor
Search
Navigate
Build
Run
Source
Versioning
Tools
Window
Help
Search
BPELHelper.java
ImportLCProcessFlow_cfgplan_testing.xml
composite.xml
OpenCurrentAccount_cfgplan_testing.xml
Find
Source
History
D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\OpenCurrentAccount\composite.xml
Line 1 Column 1
Insert
Windows: CR/LF
Xml Editing

```
    <searchReplace>
            <search>8888</search>
            <replace>8889</replace>
    <searchReplace>-->
  <import>
     <searchReplace>
        <search/>
        <replace/>
     </searchReplace>
  </import>
  <service name="OpenCurrentAccount_client_ep">
     <binding type="adf"/>
  </service>
  <!--Add search and replace rules for the component properties
    For components and service/reference bindings, you can add policy references.
    Example:
    <component name="*">
            <wsp:PolicyReference orawsp:category="management" orawsp:status="enabled" URI="oracle/log_policy"/>
    </component>-->
  <reference name="KYCCorporateReview">
     <binding type="ws">
     <attribute name="port">
     <replace>http://xmlns.oracle.com/KYCCorporateReview#wsdl.endpoint(KYCCorporateReview/KYCCorporateReview)</replace>
     </attribute>
     <attribute name="location">
     <replace>http://sunbpd.iflexsolutions.com:8001/soa-infra/services/default/KYCCorporateReview!1.0/client?WSDL</replace>
     </attribute>
     </binding>
  </reference>

  <reference name="DBUtility">
     <binding type="ws">
     <attribute name="port">
     <replace>http://xmlns.oracle.com/DBUtility#wsdl.endpoint(DBUtility/DBUtility)</replace>
     </attribute>
     <attribute name="location">
     <replace>http://sunbpd.iflexsolutions.com:8001/soa-infra/services/default/DBUtility!1.0/client?WSDL</replace>
     </attribute>
     </binding>
  </reference>

  <reference name="CRMUtility">
     <binding type="ws">
     <attribute name="port">
     <replace>http://xmlns.oracle.com/CRMUtility/CRMUtility/CRMUtility#wsdl.endpoint(receiveCustomer_ep/CRMUtility_pt)</replace>
     </attribute>
     <attribute name="location">
     <replace>http://sunbpd.iflexsolutions.com:8001/soa-infra/services/default/CRMUtility!1.0/receiveCustomer_ep?WSDL</replace>
```

In the configuration plan we need to give the latest runtime wsdl location of the subprocesses if present. The runtime wsdl location is obtained as mentioned earlier from the em console.

⚠	**The soaconfigplan.xml, if present in the project also have to be updated with the runtime wsdl location of the subprocesses since this will be referred by the process in runtime.**



```
        </binding>
    </reference>
    <reference name="SendMailNotificationService">
        <binding type="ws">
            <attribute name="port">
                <replace>http://xmlns.oracle.com/SendMailNotificationFCUBSORService/SendMailNotificat
            </attribute>
             <attribute name="location">
                <replace>http://ofss220216:7403/soa-infra/services/default/SendMailNotificationFCUBSOR
            </attribute>
        </binding>
    </reference>
    <reference name="RiskEvaluationService">
        <binding type="ws">
            <attribute name="port">
                <replace>http://xmlns.oracle.com/SubProcess/InitiateRiskEvaluationFCUBSORService/Init
            </attribute>
              <attribute name="location">
                <replace>http://ofss220216:7403/soa-infra/services/default/InitiateRiskEvaluationFCUB
            </attribute>
        </binding>
    </reference>
    <reference name="KYCCheckService">
        <binding type="ws">
            <attribute name="port">
                <replace>http://xmlns.oracle.com/SubProcess/InitiateKYCCheckFCUBSORService/InitiateKY
            </attribute>
        </binding>
    </reference>
    <reference name="CollateralProcess">
        <!--Add search and replace rules for the binding properties-->
        <binding type="direct">
            <property name="java.naming.provider.url">
                <replace>t3://ofss220216:7403</replace>
            </property>
        </binding>
    </reference>
   <reference name="KYCVerificationService">
        <binding type="ws">
            <attribute name="port">
                <replace>http://xmlns.oracle.com/bpmn/bpmnProcess/KYCCorporateReview#wsdl.endpoint(KY
            </attribute>
             <attribute name="location">
                <replace>http://ofss220216:7403/soa-infra/services/default/KYCCheck/KYCCheck_client_e
            </attribute>
        </binding>
```

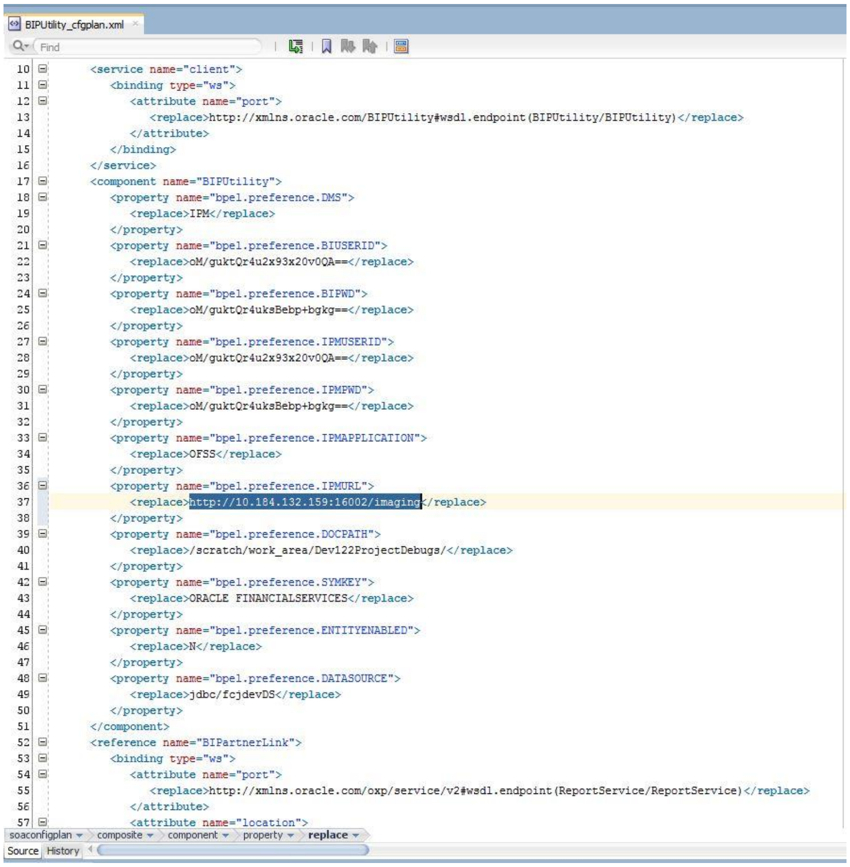
5.3 Config plan changes for BIPUtility process.

Open the BIPUtility_cfgplan.xml and copy corresponding values for the below mentioned properties from fcubs.property file.

Config_plan property	fcubs.properties
bpel.preference.BIUSERID	BI_USER
bpel.preference.BIPWD	BI_PASSWORD
bpel.preference.DOCPATH	BPEL_DOC_PATH
bpel.preference.SYMKEY	SYMMETRIC_KEY
bpel.preference.ENTITYENABLED	'Y' to enable entity OR 'N' to disable entity

bpel.preference.DATASOURCE	Map the Datasource JNDI name which is mapped for entity in the property file.
bpel.preference.IPMUSERID	Enter IPM Login Username
bpel.preference.IPMPWD	Enter IPM Login Password
bpel.preference.IPMAPPLICATION	Please provide IPM application (Which will be created after login to IPM application). Eg: OFSS or FLEXCUBE
bpel.preference.IPMURL	IPM Url upto ‘imaging. Eg: http://10.184.132.159:16002/imaging

Refer sample screen shot.


BIPUtility_cfgplan.xml
Find
soaconfigplan
composite
component
property
replace
Source
History

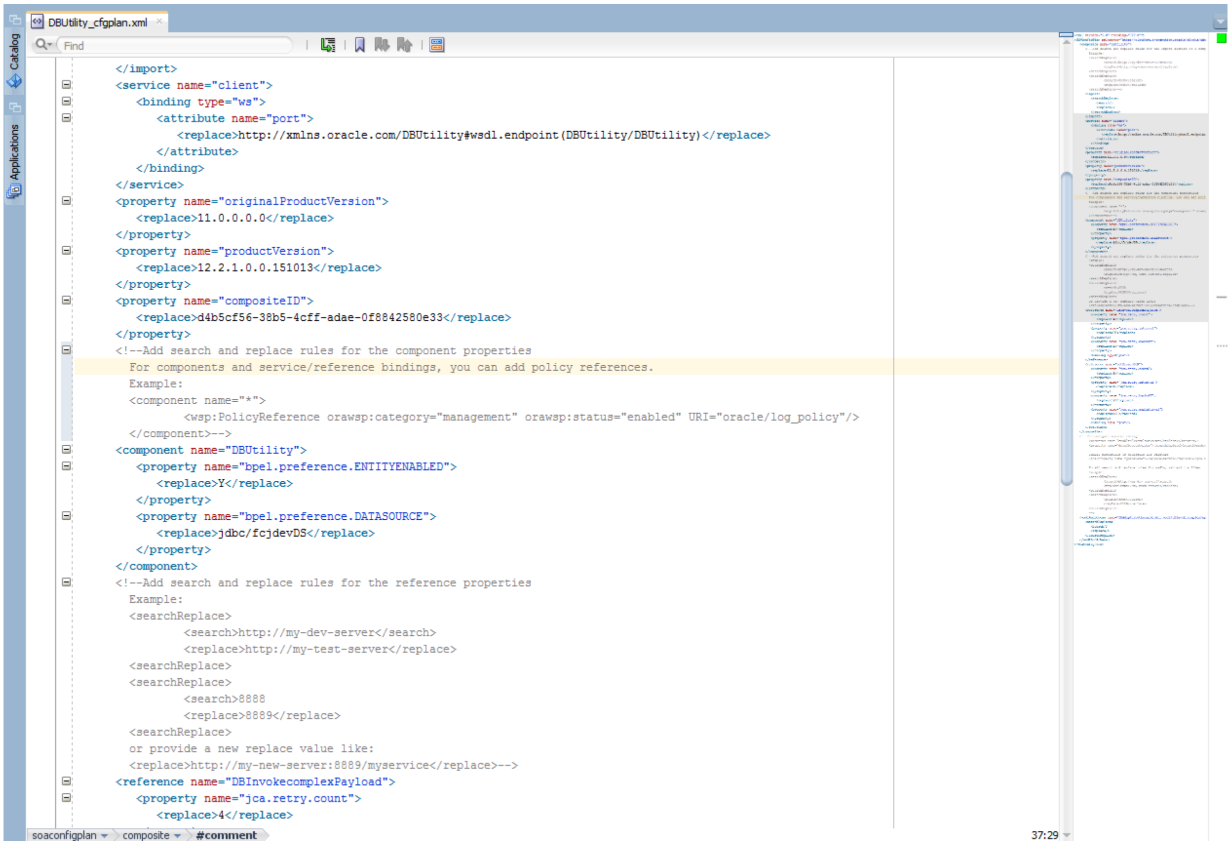
```
    <service name="client">
      <binding type="ws">
        <attribute name="port">
          <replace>http://xmlns.oracle.com/BIPUtility#wsdl.endpoint(BIPUtility/BIPUtility)</replace>
        </attribute>
      </binding>
    </service>
    <component name="BIPUtility">
      <property name="bpel.preference.DMS">
        <replace>IPM</replace>
      </property>
      <property name="bpel.preference.BIUSERID">
        <replace>oM/guktQr4u2x93x20v0QA==</replace>
      </property>
      <property name="bpel.preference.BIPWD">
        <replace>oM/guktQr4uksBebp+bgkg==</replace>
      </property>
      <property name="bpel.preference.IPMUSERID">
        <replace>oM/guktQr4u2x93x20v0QA==</replace>
      </property>
      <property name="bpel.preference.IPMPWD">
        <replace>oM/guktQr4uksBebp+bgkg==</replace>
      </property>
      <property name="bpel.preference.IPMAPPLICATION">
        <replace>OFSS</replace>
      </property>
      <property name="bpel.preference.IPMURL">
        <replace>http://10.184.132.159:16002/imaging</replace>
      </property>
      <property name="bpel.preference.DOCPATH">
        <replace>/scratch/work_area/Dev122ProjectDebugs/</replace>
      </property>
      <property name="bpel.preference.SYMKEY">
        <replace>ORACLE FINANCIALSERVICES</replace>
      </property>
      <property name="bpel.preference.ENTITYENABLED">
        <replace>N</replace>
      </property>
      <property name="bpel.preference.DATASOURCE">
        <replace>jdbc/fcjdevDS</replace>
      </property>
    </component>
    <reference name="BIPartnerLink">
      <binding type="ws">
        <attribute name="port">
          <replace>http://xmlns.oracle.com/oxp/service/v2#wsdl.endpoint(ReportService/ReportService)</replace>
        </attribute>
        <attribute name="location">
```

5.4 Config plan changes for DBUtility process.

Open the DBUtility _cfgplan.xml and copy corresponding values for the below mentioned properties.

Config_plan property	Property Values
bpel.preference.ENTITYENABLED	'Y' to enable entity OR 'N' to disable entity
bpel.preference.DATASOURCE	Map the Datasource JNDI name which is mapped for entity in the property file.

Refer sample screen shot.



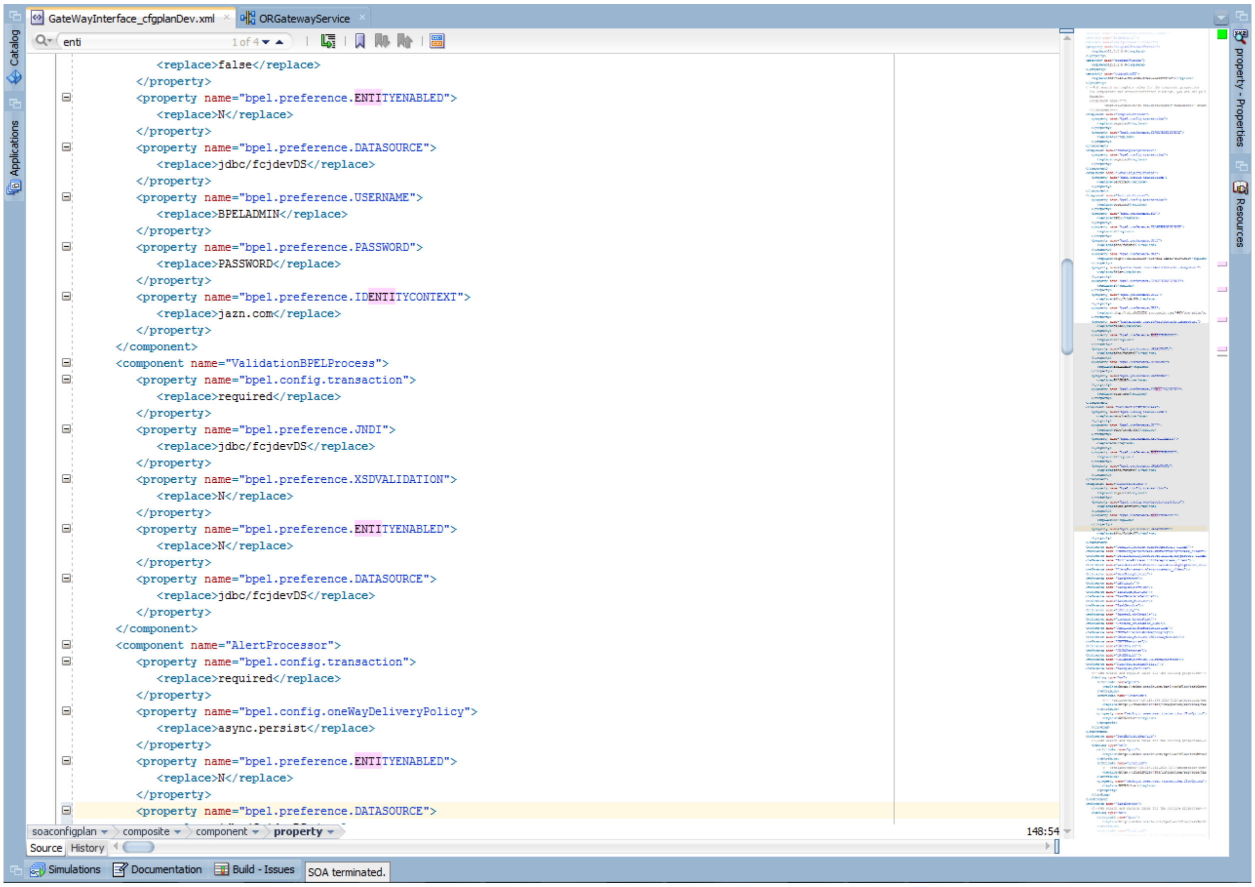
```
    </import>
    <service name="client">
       <binding type="ws">
          <attribute name="port">
             <replace>http://xmlns.oracle.com/DBUtility#wsdl.endpoint(DBUtility/DBUtility)</replace>
          </attribute>
       </binding>
    </service>
    <property name="originalProductVersion">
       <replace>11.0.0.0.0</replace>
    </property>
    <property name="productVersion">
       <replace>12.2.1.0.0.151013</replace>
    </property>
    <property name="compositeID">
       <replace>d4b5cf56-38b5-4cff-adae-0f8842580e33</replace>
    </property>
    <!--Add search and replace rules for the component properties
      For components and service/reference bindings, you can add policy references.
      Example:
      <component name="*">
              <wsp:PolicyReference orawsp:category="management" orawsp:status="enabled" URI="oracle/log_policy"/>
      </component>-->
    <component name="DBUtility">
       <property name="bpel.preference.ENTITYENABLED">
          <replace>Y</replace>
       </property>
       <property name="bpel.preference.DATASOURCE">
          <replace>jdbc/fcjdevDS</replace>
       </property>
    </component>
    <!--Add search and replace rules for the reference properties
      Example:
      <searchReplace>
              <search>http://my-dev-server</search>
              <replace>http://my-test-server</replace>
      <searchReplace>
      <searchReplace>
              <search>8888
              <replace>8889</replace>
      <searchReplace>
      or provide a new replace value like:
      <replace>http://my-new-server:8889/myservice</replace>-->
    <reference name="DBInvokecomplexPayload">
       <property name="jca.retry.count">
          <replace>4</replace>
```

5.5 Config plan changes for Gateway process.

Open the GateWayInterface_cfgplanDev.xml and copy corresponding values for the below mentioned properties.

Config_plan property	**Property Values**
bpel.preference.ENTITYENABLED	'Y' to enable entity OR 'N' to disable entity
bpel.preference.DATASOURCE	Map the Datasource JNDI Name which is mapped for entity in the property file.

Refer sample screen shot.



GateWayInterface_cfgplanDev.xml
ORGatewayService
Catalog
Applications
enti
1 of 4
property - Properties
Resources

```
         <replace>false</replace>
      </property>
      <property name="bpel.preference.ENTITYENABLED">
         <replace>N</replace>
      </property>
      <property name="bpel.preference.DATASOURCE">
         <replace>jdbc/fcjdevDS</replace>
      </property>
      <property name="bpel.preference.USERNAME">
         <replace>BPELADMIN</replace>
      </property>
      <property name="bpel.preference.PASSWORD">
         <replace>PASSWORD</replace>
      </property>
      <property name="bpel.preference.IDENTITYCONTEXT">
         <replace>jazn.com</replace>
      </property>
   </component>
   <component name="ValidationBPELProcess">
      <property name="bpel.config.transaction">
         <replace>required</replace>
      </property>
      <property name="bpel.preference.JNDI">
         <replace>jdbc/fcjdevDS</replace>
      </property>
      <property name="bpel.preference.XSDVALIDATION">
         <replace>N</replace>
      </property>
      <property name="bpel.preference.ENTITYENABLED">
         <replace>N</replace>
      </property>
      <property name="bpel.preference.DATASOURCE">
         <replace>jdbc/fcjdevDS</replace>
      </property>
   </component>
   <component name="AlertProcessor">
      <property name="bpel.config.transaction">
         <replace>required</replace>
      </property>
      <property name="bpel.config.oneWayDeliveryPolicy">
         <replace>async.persist</replace>
      </property>
      <property name="bpel.preference.ENTITYENABLED">
         <replace>N</replace>
      </property>
      <property name="bpel.preference.DATASOURCE">
```

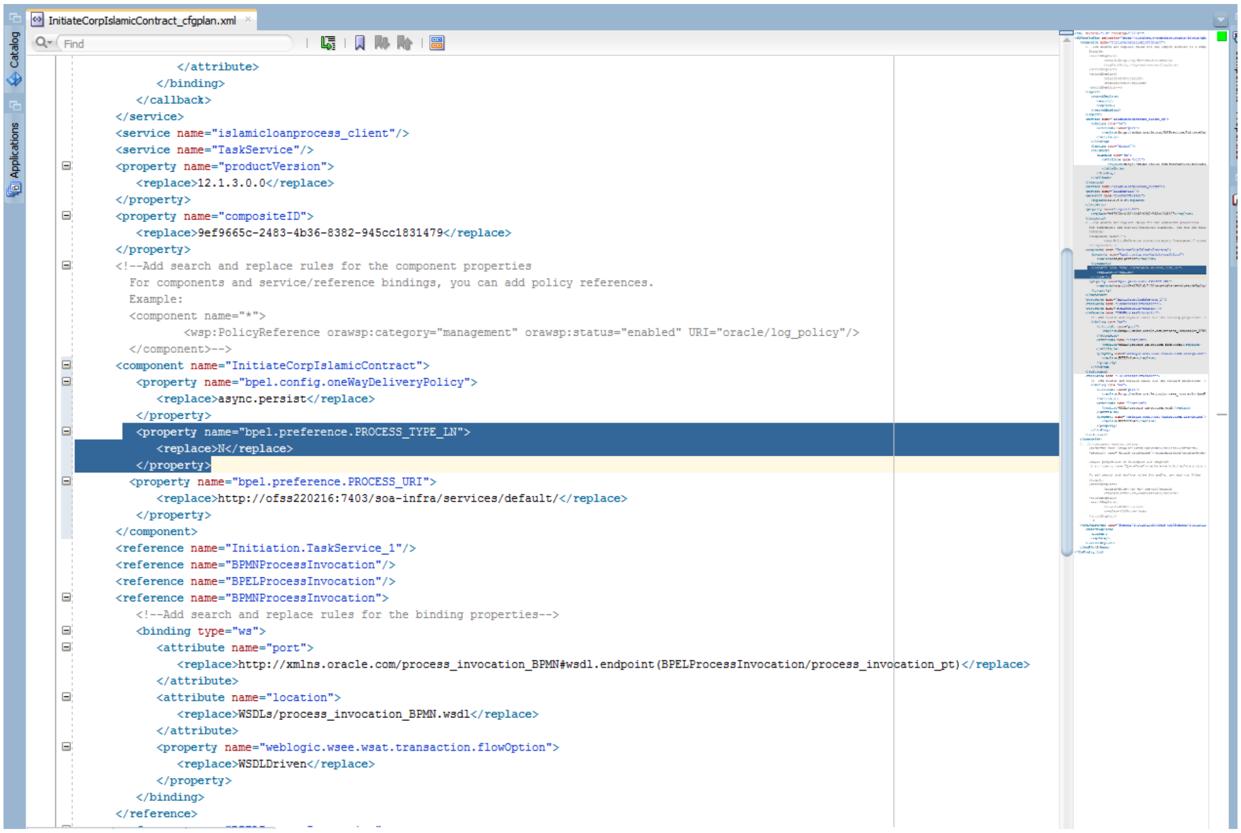
soaconfigplan
composite
component
property
148:54
Source
History
Simulations
Documentation
Build - Issues
SOA terminated.

5.6 Config plan changes for InitiateCorpIslamicContract process

Open the InitiateCorpIslamicContract_cfgplan.xml and copy corresponding values for the below mentioned properties to initiate BPEL or BPMN process from Common process.

Config_plan property	Property Values
bpel.preference.PROCESS_TYPE_LN	Set value as ‘ L’ to initiate BPEL Process from Common Process
bpel.preference.PROCESS_TYPE_LN	Set value as ‘ N’ to initiate BPMN Process from Common Process

Refer sample screen shot.



```
            </attribute>
         </binding>
      </callback>
   </service>
   <service name="islamicloanprocess_client"/>
   <service name="TaskService"/>
   <property name="productVersion">
      <replace>12.1.3.0.0</replace>
   </property>
   <property name="compositeID">
      <replace>9ef9665c-2483-4b36-8382-945cc1831479</replace>
   </property>
   <!--Add search and replace rules for the component properties
     For components and service/reference bindings, you can add policy references.
     Example:
     <component name="*">
             <wsp:PolicyReference orawsp:category="management" orawsp:status="enabled" URI="oracle/log_policy"/>
     </component>-->
   <component name="InitiateCorpIslamicContract">
      <property name="bpel.config.oneWayDeliveryPolicy">
         <replace>async.persist</replace>
      </property>
      <property name="bpel.preference.PROCESS_TYPE_LN">
         <replace>N</replace>
      </property>
     <property name="bpel.preference.PROCESS_URI">
         <replace>http://ofss220216:7403/soa-infra/services/default/</replace>
      </property>
   </component>
   <reference name="Initiation.TaskService_1"/>
   <reference name="BPMNProcessInvocation"/>
   <reference name="BPELProcessInvocation"/>
   <reference name="BPMNProcessInvocation">
      <!--Add search and replace rules for the binding properties-->
      <binding type="ws">
         <attribute name="port">
            <replace>http://xmlns.oracle.com/process_invocation_BPMN#wsdl.endpoint(BPELProcessInvocation/process_invocation_pt)</replace>
         </attribute>
         <attribute name="location">
            <replace>WSDLs/process_invocation_BPMN.wsdl</replace>
         </attribute>
         <property name="weblogic.wsee.wsat.transaction.flowOption">
            <replace>WSDLDriven</replace>
         </property>
      </binding>
   </reference>
```

5.7 Updating the Datasource name

The config.properties file, if present in the project of any of the sub processes, has the encrypted datasource name. This should be same as the one given in the fcubs.properties file while building the EAR .

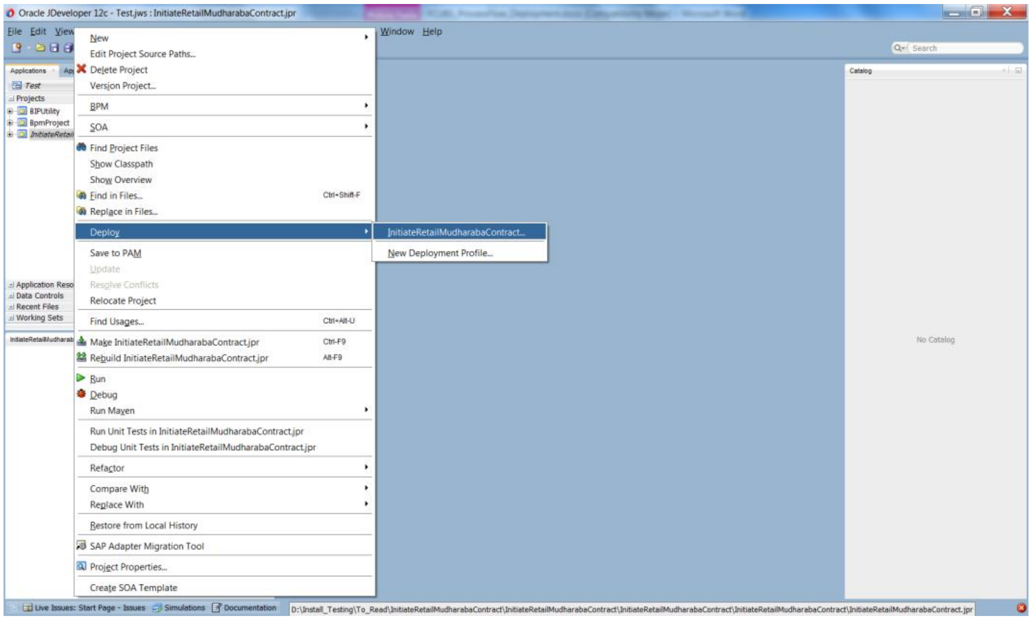
6. Deploying a Single Composite application using JDeveloper

6.1 Introduction

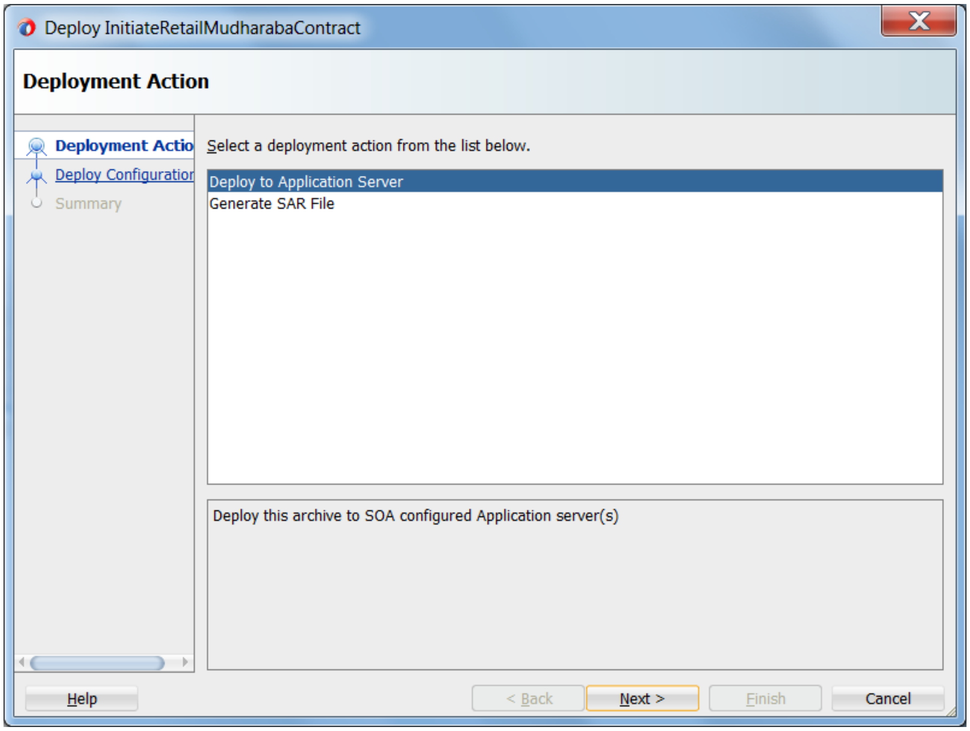
This section describes how to deploy a single SOA composite application with Oracle JDeveloper after completing updating of config plans with respective target environment replacement values.

6.2 Deploying the Application

- Right click on the Application that needs to be deployed.
- Select ‘Deploy’ and then click on the default deployment profile which is the same as the application name.
- This will result in the deployment wizard screen being launched.


Oracle JDeveloper 12c - Test.jws : InitiateRetailMudharabaContract.jpr
File
Edit
View
Window
Help
Search
Applications
Test
Projects
BIPUtility
BpmProject
InitiateRetail
Application Reso
Data Controls
Recent Files
Working Sets
Catalog
No Catalog
New
Edit Project Source Paths...
Delete Project
Version Project...
BPM
SOA
Find Project Files
Show Classpath
Show Overview
Find in Files... Ctrl+Shift-F
Replace in Files...
Deploy
InitiateRetailMudharabaContract...
New Deployment Profile...
Save to PAM
Update
Resolve Conflicts
Relocate Project
Find Usages... Ctrl+Alt-U
Make InitiateRetailMudharabaContract.jpr Ctrl-F9
Rebuild InitiateRetailMudharabaContract.jpr Alt-F9
Run
Debug
Run Maven
Run Unit Tests in InitiateRetailMudharabaContract.jpr
Debug Unit Tests in InitiateRetailMudharabaContract.jpr
Refactor
Compare With
Replace With
Restore from Local History
SAP Adapter Migration Tool
Project Properties...
Create SOA Template
Live Issues: Start Page - Issues
Simulations
Documentation
D:\Install_Testing\To_Read\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract\InitiateRetailMudharabaContract.jpr

- The wizard shows the “Deployment Action” screen .Select ‘Deploy to Application server’ and click ‘Next’

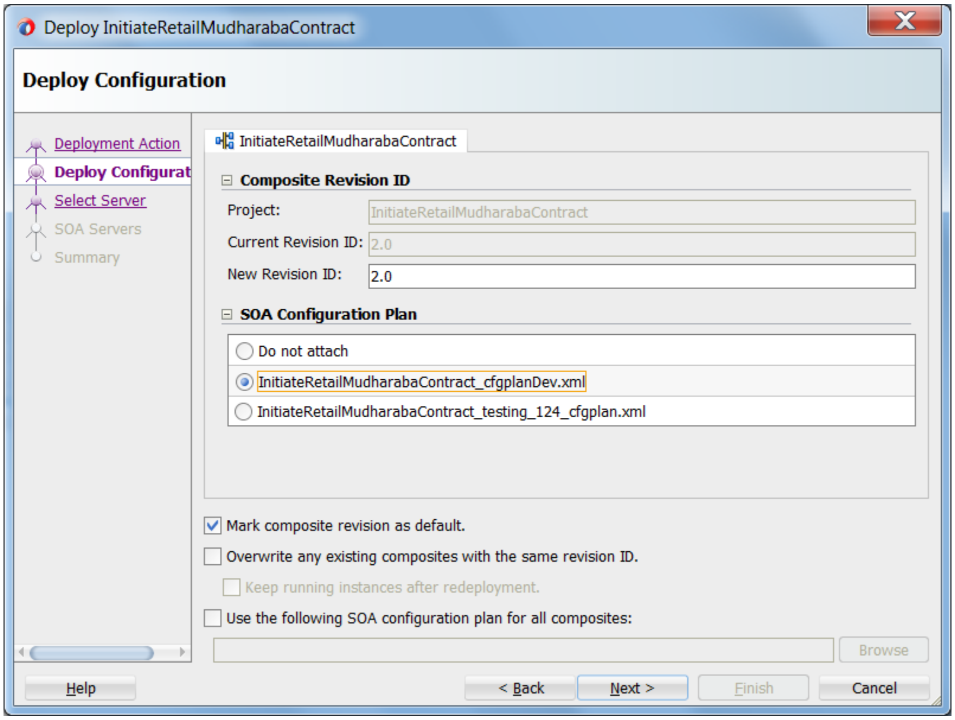

Deploy InitiateRetailMudharabaContract
Deployment Action
Deployment Actio
Deploy Configuration
Summary
Help
< Back
Next >
Finish
Cancel

Select a deployment action from the list below.

Deploy to Application Server
Generate SAR File

Deploy this archive to SOA configured Application server(s)

- Deployment configuration is done as illustrated in the below screen shot
- Select a Revision with which the deployment should happen
- Select a " Configuration Plan" that was updated as given in Section 5
- Provide a new revision ID. It should be always higher than the earlier revision of the process flow like 1.0, 2.0,3.0 etc
- Check the checkbox "Mark composite revision as "default"
- Uncheck the checkbox "Overwrite any existing composites with the same revision ID"
- Click "Next" to proceed with the deployment.


Deploy InitiateRetailMudharabaContract
Deploy Configuration
Deployment Action
Deploy Configurat
Select Server
SOA Servers
Summary
InitiateRetailMudharabaContract
Composite Revision ID
SOA Configuration Plan
Browse
Help
< Back
Next >
Finish
Cancel

Project: InitiateRetailMudharabaContract

Current Revision ID: 2.0

New Revision ID: 2.0

○ Do not attach

● InitiateRetailMudharabaContract_cfgplanDev.xml

○ InitiateRetailMudharabaContract_testing_124_cfgplan.xml

☑ Mark composite revision as default.

☐ Overwrite any existing composites with the same revision ID.

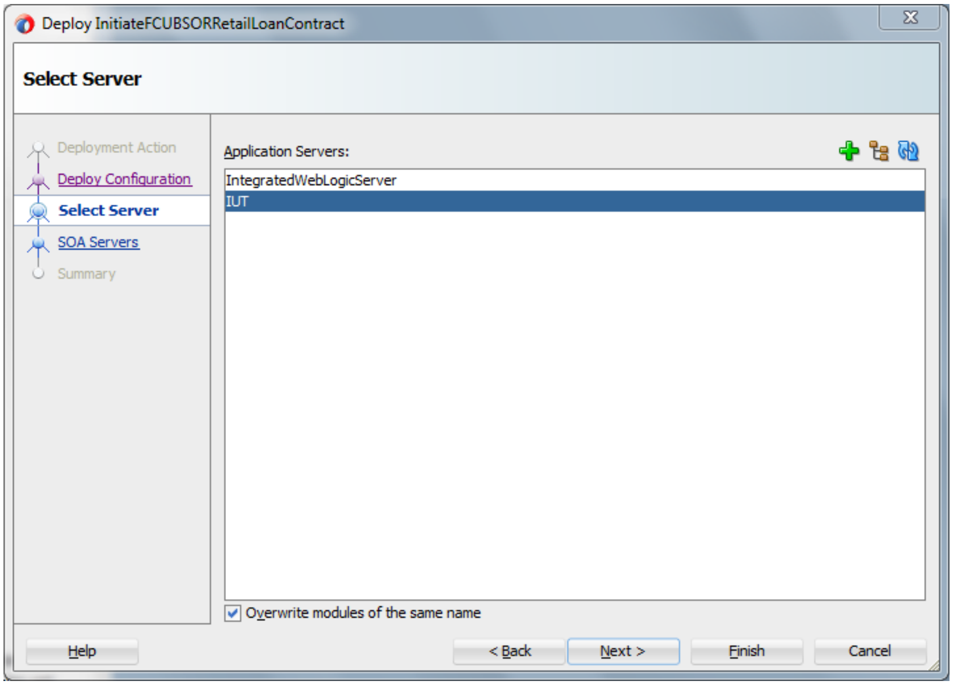
☐ Keep running instances after redeployment.

☐ Use the following SOA configuration plan for all composites:

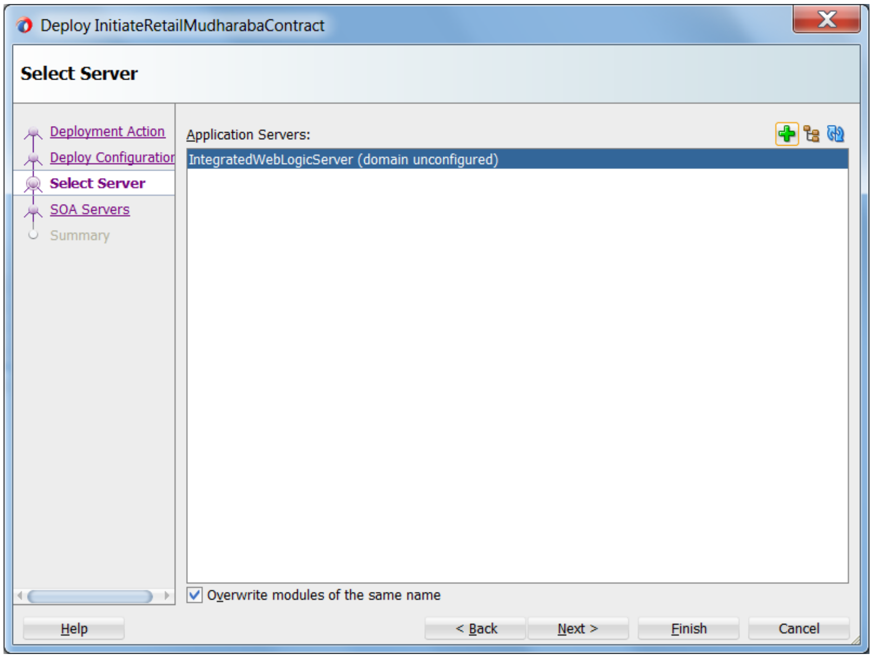
- Select the Application server ‘Server Connection’ configured that was done in Section 3 to which the deployment needs to be done
- Click ‘Next’ to proceed with the deployment.

Note :

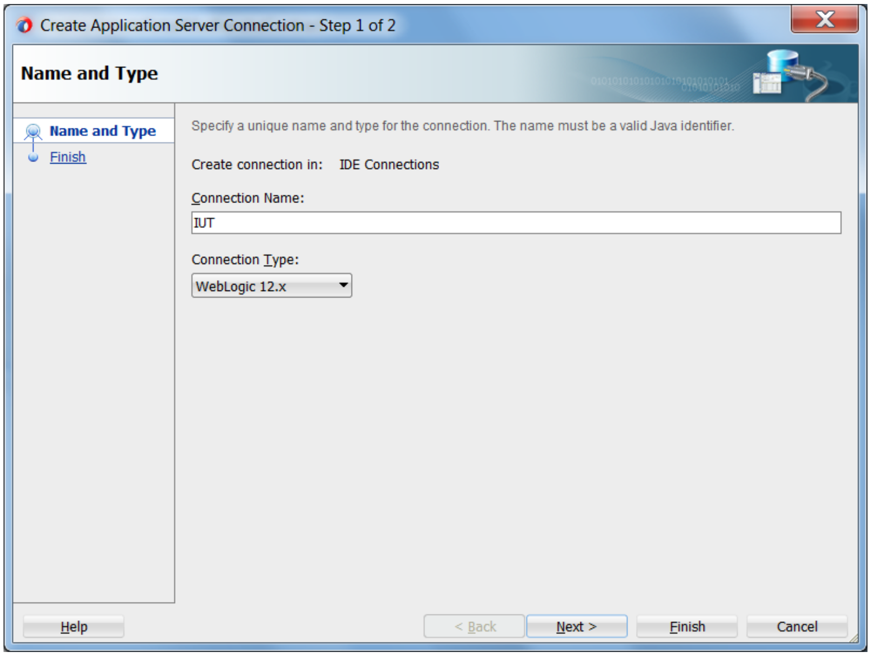
In case “Overwrite any existing composites with the same revision ID” checkbox is checked during the deployment, the active tasks which are currently running on the current revision of the process flow will be moved to “Stale” task status. The tasks which are in “Stale” status will not be displayed in the FLEXCUBE Application (under Task tab). Make sure that, before deploying the process, the “Overwrite any existing composites with the same revision ID” checkbox should be unchecked.


Deploy InitiateFCUBSORRetailLoanContract
Select Server
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Application Servers:
IntegratedWebLogicServer
IUT
☑ Overwrite modules of the same name
Help
< Back
Next >
Finish
Cancel

- Select the Application ‘server’ to which the deployment needs to be done.
- If the application server is not configured, it needs to be added by clicking on the ‘+’ button on the right top corner


Deploy InitiateRetailMudharabaContract
Select Server
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Application Servers:
IntegratedWebLogicServer (domain unconfigured)
☑ Overwrite modules of the same name
Help
< Back
Next >
Finish
Cancel

- Input the connection name and the connection type based on the weblogic console configured before and click next


Create Application Server Connection - Step 1 of 2
Name and Type
Name and Type
Finish
Help
< Back
Next >
Finish
Cancel

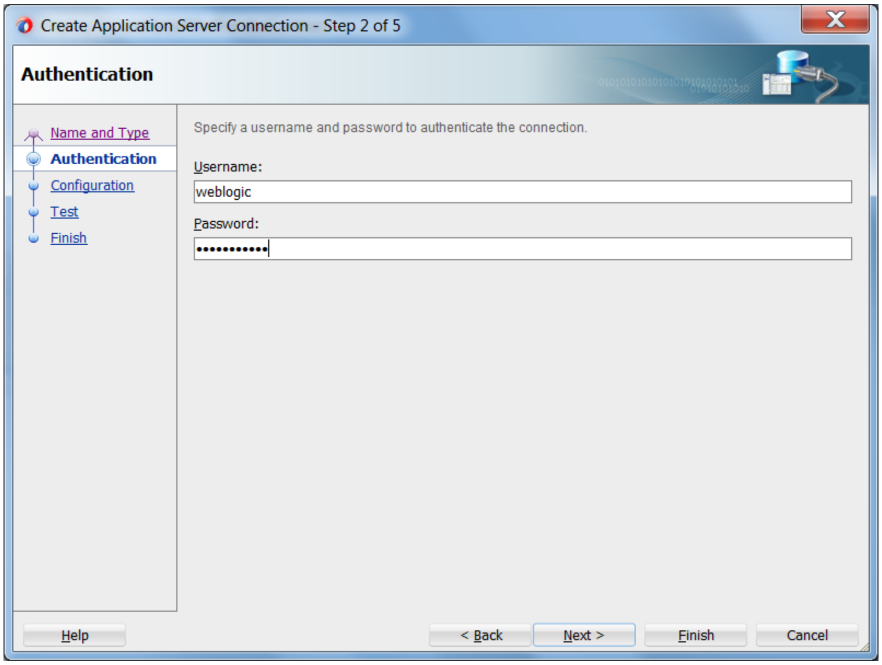
Specify a unique name and type for the connection. The name must be a valid Java identifier.

Create connection in: IDE Connections

Connection Name: IUT

Connection Type: WebLogic 12.x

- System prompts for the weblogic password, proceed with next after inputting

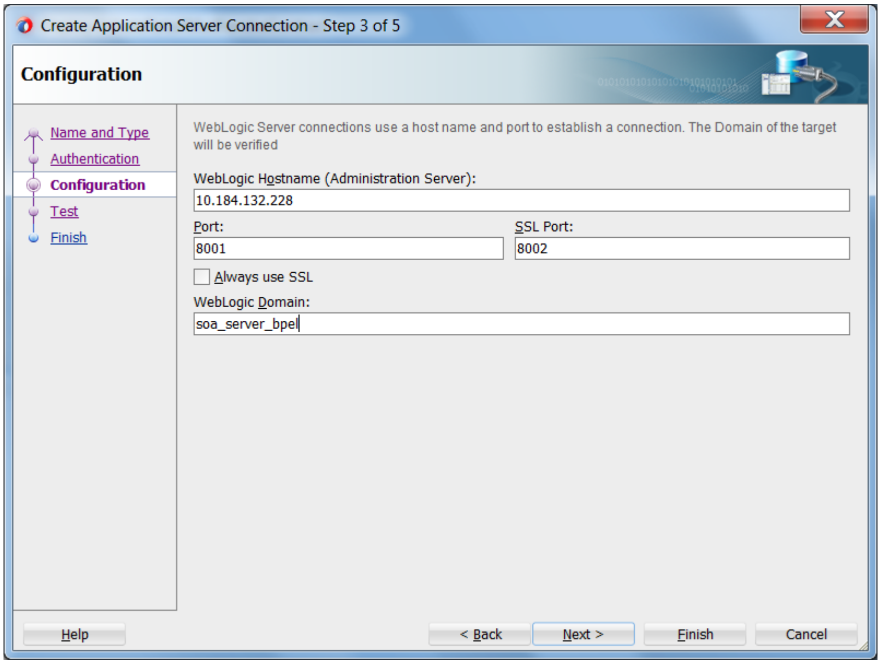

Create Application Server Connection - Step 2 of 5
Authentication
Name and Type
Authentication
Configuration
Test
Finish
Help
< Back
Next >
Finish
Cancel

Specify a username and password to authenticate the connection.

Username: weblogic

Password: •••••••••••

- Enter the Weblogic Hostname of the adminserver, port and domain details and click on next


Name and Type
Authentication
Configuration
Test
Finish
Help
< Back
Next >
Finish
Cancel

Create Application Server Connection - Step 3 of 5

Configuration

WebLogic Server connections use a host name and port to establish a connection. The Domain of the target will be verified

WebLogic Hostname (Administration Server): 10.184.132.228

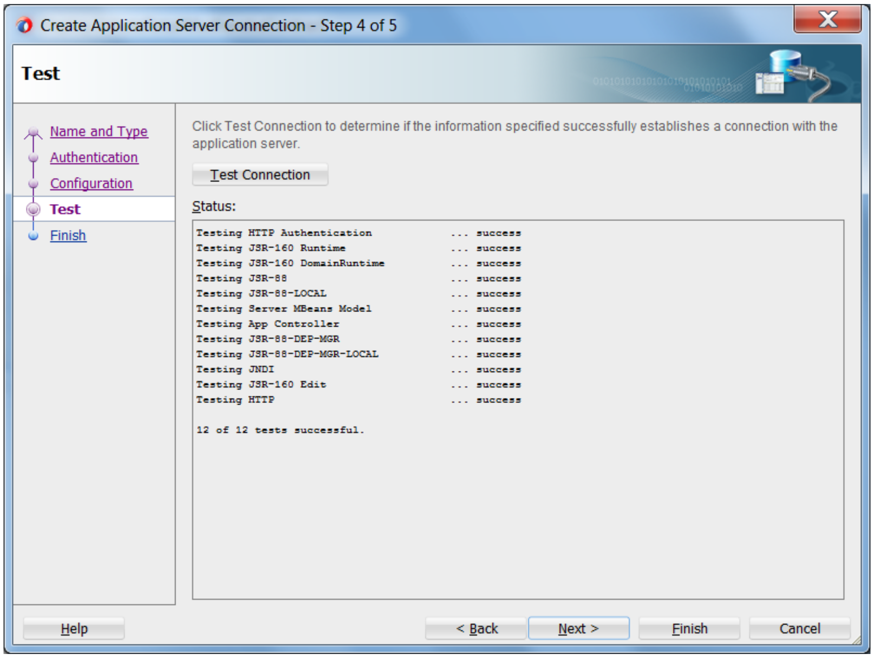
Port: 8001

SSL Port: 8002

☐ Always use SSL

WebLogic Domain: soa_server_bpel

- Click on the Test Connection button to verify whether the details inputted are
- validated for the deployment of process


Name and Type
Authentication
Configuration
Test
Finish
Test Connection
Help
< Back
Next >
Finish
Cancel

Create Application Server Connection - Step 4 of 5

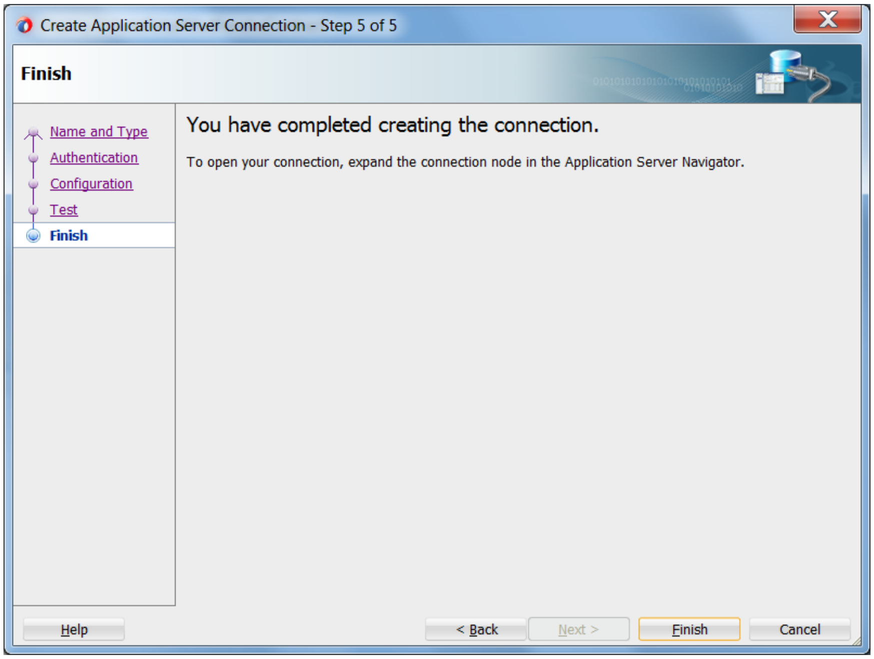
Test

Click Test Connection to determine if the information specified successfully establishes a connection with the application server.

Status:

```
Testing HTTP Authentication              ... success
Testing JSR-160 Runtime                  ... success
Testing JSR-160 DomainRuntime            ... success
Testing JSR-88                           ... success
Testing JSR-88-LOCAL                     ... success
Testing Server MBeans Model              ... success
Testing App Controller                   ... success
Testing JSR-88-DEP-MGR                   ... success
Testing JSR-88-DEP-MGR-LOCAL             ... success
Testing JNDI                             ... success
Testing JSR-160 Edit                     ... success
Testing HTTP                             ... success

12 of 12 tests successful.
```

- And Once the connection is created, click on Finish


Name and Type
Authentication
Configuration
Test
Finish
Help
< Back
Next >
Finish
Cancel

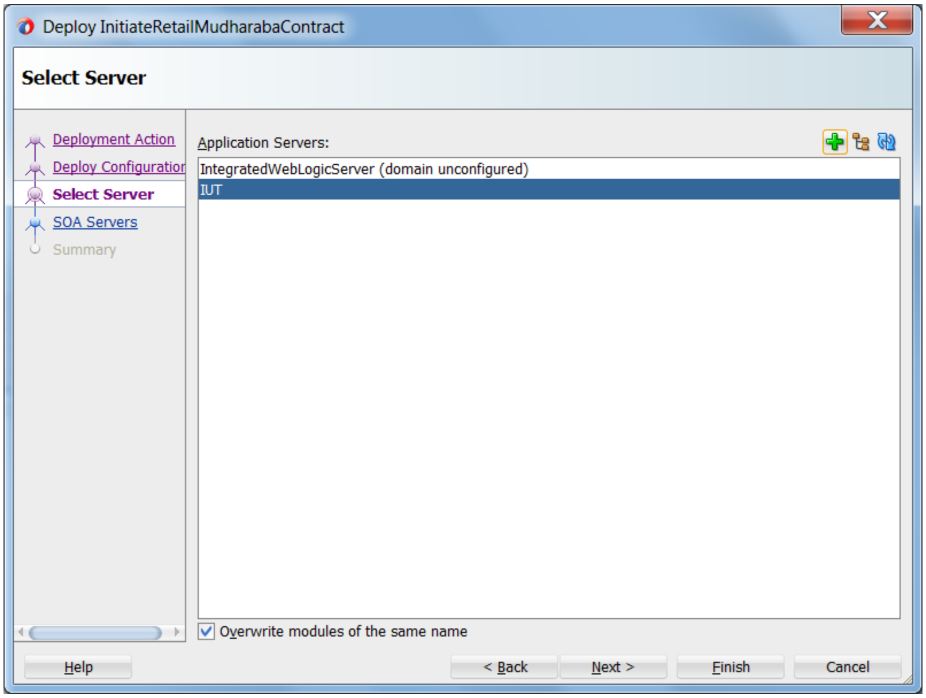
Create Application Server Connection - Step 5 of 5

Finish

You have completed creating the connection.

To open your connection, expand the connection node in the Application Server Navigator.

- Now the step returns to SOA servers so that the newly configured details
- can be added and deployment can be proceeded further


Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Help
< Back
Next >
Finish
Cancel

Deploy InitiateRetailMudharabaContract

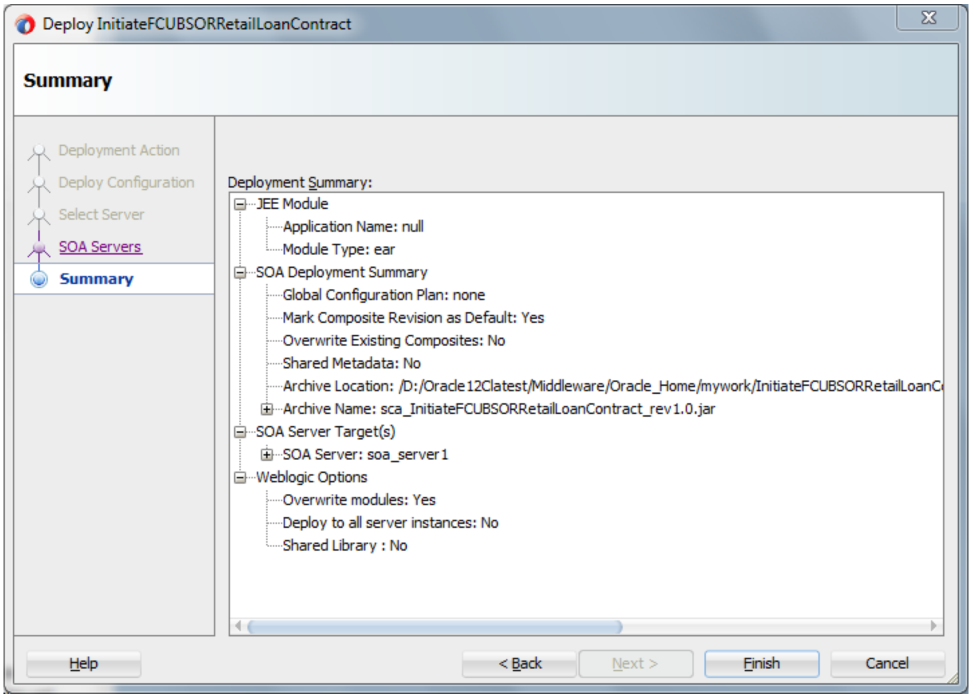
Select Server

Application Servers:

IntegratedWebLogicServer (domain unconfigured)
IUT

☑ Overwrite modules of the same name

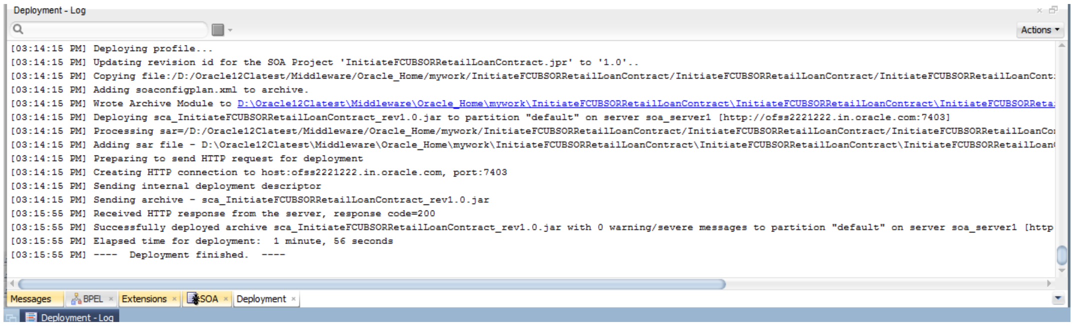
- Click Next after this
- View the summary of the deployment details and click ‘Finish’ to complete the deployment.



Deployment Summary:

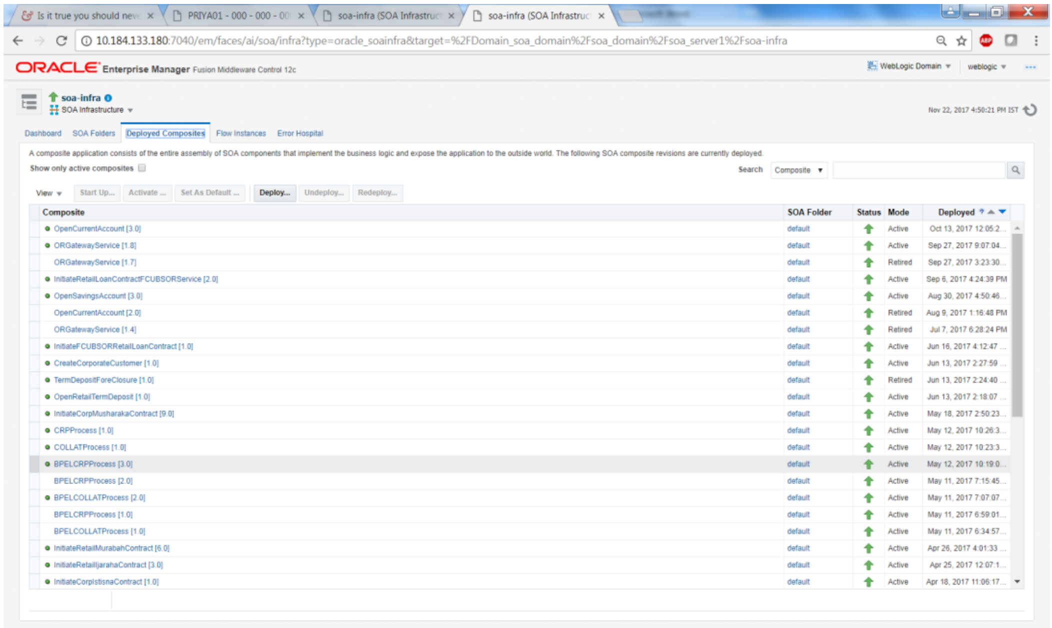
- JEE Module
  - Application Name: null
  - Module Type: ear
- SOA Deployment Summary
  - Global Configuration Plan: none
  - Mark Composite Revision as Default: Yes
  - Overwrite Existing Composites: No
  - Shared Metadata: No
  - Archive Location: /D:/Oracle12Clatest/Middleware/Oracle_Home/mywork/InitiateFCUBSORRetailLoanC
  - Archive Name: sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar
- SOA Server Target(s)
  - SOA Server: soa_server1
- Weblogic Options
  - Overwrite modules: Yes
  - Deploy to all server instances: No
  - Shared Library : No

- The deployment status can be verified in the deployment status Log window.



```
[03:14:15 PM] Deploying profile...
[03:14:15 PM] Updating revision id for the SOA Project 'InitiateFCUBSORRetailLoanContract.jpr' to '1.0'..
[03:14:15 PM] Copying file:/D:/Oracle12Clatest/Middleware/Oracle_Home/mywork/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanCont
[03:14:15 PM] Adding soaconfigplan.xml to archive.
[03:14:15 PM] Wrote Archive Module to D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORReta
[03:14:15 PM] Deploying sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar to partition "default" on server soa_server1 [http://ofss2221222.in.oracle.com:7403]
[03:14:15 PM] Processing sar=/D:/Oracle12Clatest/Middleware/Oracle_Home/mywork/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanCo
[03:14:15 PM] Adding sar file - D:\Oracle12Clatest\Middleware\Oracle_Home\mywork\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoan
[03:14:15 PM] Preparing to send HTTP request for deployment
[03:14:15 PM] Creating HTTP connection to host:ofss2221222.in.oracle.com, port:7403
[03:14:15 PM] Sending internal deployment descriptor
[03:14:15 PM] Sending archive - sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar
[03:15:55 PM] Received HTTP response from the server, response code=200
[03:15:55 PM] Successfully deployed archive sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar with 0 warning/severe messages to partition "default" on server soa_server1 [http
[03:15:55 PM] Elapsed time for deployment:  1 minute, 56 seconds
[03:15:55 PM] ----  Deployment finished.  ----
```

- The deployed process can be verified by checking if the process is showing up in the SOA Suite enterprise manager console.
- Login to http://<hostname>:<port>/em
- Expand SOA - >soa-infra and view all deployed applications


Is it true you should neve
PRIYA01 - 000 - 000 - 00
soa-infra (SOA Infrastruc
soa-infra (SOA Infrastruc
10.184.133.180:7040/em/faces/ai/soa/infra?type=oracle_soainfra&target=%2FDomain_soa_domain%2Fsoa_domain%2Fsoa_server1%2Fsoa-infra
ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
weblogic
soa-infra
SOA Infrastructure
Nov 22, 2017 4:50:21 PM IST
Dashboard
SOA Folders
Deployed Composites
Flow Instances
Error Hospital
Show only active composites
Search
Composite
View
Start Up...
Activate ...
Set As Default ...
Deploy...
Undeploy...
Redeploy...

A composite application consists of the entire assembly of SOA components that implement the business logic and expose the application to the outside world. The following SOA composite revisions are currently deployed.

Composite	SOA Folder	Status	Mode	Deployed
● OpenCurrentAccount [3.0]	default	↑	Active	Oct 13, 2017 12:05:2...
● ORGatewayService [1.8]	default	↑	Active	Sep 27, 2017 9:07:04...
ORGatewayService [1.7]	default	↑	Retired	Sep 27, 2017 3:23:30...
● InitiateRetailLoanContractFCUBSORService [2.0]	default	↑	Active	Sep 6, 2017 4:24:39 PM
● OpenSavingsAccount [3.0]	default	↑	Active	Aug 30, 2017 4:50:46...
OpenCurrentAccount [2.0]	default	↑	Retired	Aug 9, 2017 1:16:48 PM
ORGatewayService [1.4]	default	↑	Retired	Jul 7, 2017 6:28:24 PM
● InitiateFCUBSORRetailLoanContract [1.0]	default	↑	Active	Jun 16, 2017 4:12:47 ...
● CreateCorporateCustomer [1.0]	default	↑	Active	Jun 13, 2017 2:27:59 ...
● TermDepositForeClosure [1.0]	default	↑	Retired	Jun 13, 2017 2:24:40 ...
● OpenRetailTermDeposit [1.0]	default	↑	Active	Jun 13, 2017 2:18:07 ...
● InitiateCorpMusharakaContract [9.0]	default	↑	Active	May 18, 2017 2:50:23...
● CRPProcess [1.0]	default	↑	Active	May 12, 2017 10:26:3...
● COLLATProcess [1.0]	default	↑	Active	May 12, 2017 10:23:3...
● BPELCRPProcess [3.0]	default	↑	Active	May 12, 2017 10:19:0...
BPELCRPProcess [2.0]	default	↑	Active	May 11, 2017 7:15:45...
● BPELCOLLATProcess [2.0]	default	↑	Active	May 11, 2017 7:07:07...
BPELCRPProcess [1.0]	default	↑	Active	May 11, 2017 6:59:01...
BPELCOLLATProcess [1.0]	default	↑	Active	May 11, 2017 6:34:57...
● InitiateRetailMurabahContract [6.0]	default	↑	Active	Apr 26, 2017 4:01:33 ...
● InitiateRetailIjarahaContract [3.0]	default	↑	Active	Apr 25, 2017 12:07:1...
● InitiateCorpIstisnaContract [1.0]	default	↑	Active	Apr 18, 2017 11:06:17...

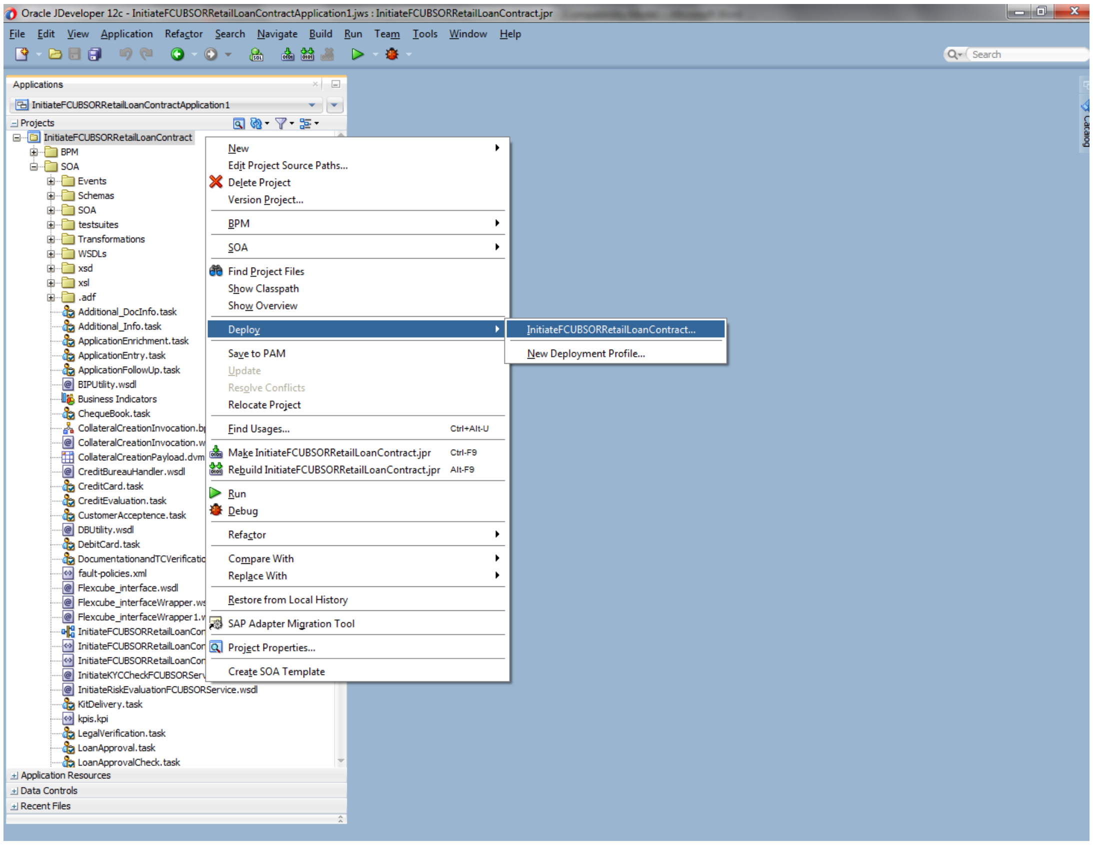
Deploying a Single Composite application via Enterprise manager console.

6.3 Introduction

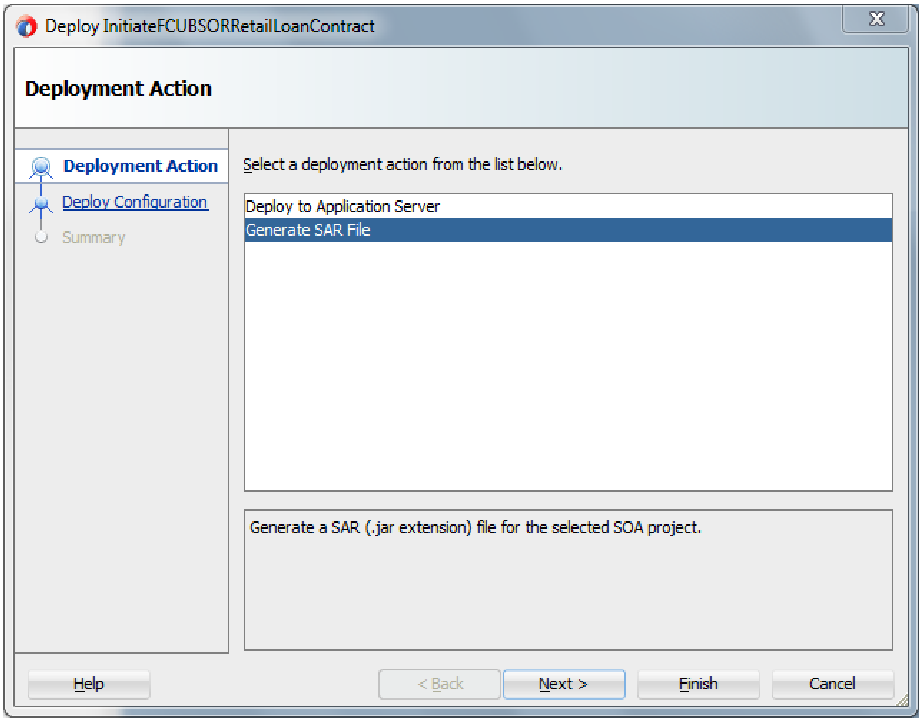
This section describes how to build a SAR file for a single SOA composite application with Oracle JDeveloper and deploy the same via enterprise manager console.

6.4 Deploying the Application

- Right click on the Application that needs to be deployed.
- Select ‘Deploy’ and then click on the default deployment profile which is the same as the application name.
- This will result in the deployment wizard screen being launched.


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
InitiateFCUBSORRetailLoanContractApplication1
Projects
InitiateFCUBSORRetailLoanContract
New
Edit Project Source Paths...
Delete Project
Version Project...
BPM
SOA
Find Project Files
Show Classpath
Show Overview
Deploy
InitiateFCUBSORRetailLoanContract...
New Deployment Profile...
Save to PAM
Update
Resolve Conflicts
Relocate Project
Find Usages... Ctrl+Alt-U
Make InitiateFCUBSORRetailLoanContract.jpr Ctrl-F9
Rebuild InitiateFCUBSORRetailLoanContract.jpr Alt-F9
Run
Debug
Refactor
Compare With
Replace With
Restore from Local History
SAP Adapter Migration Tool
Project Properties...
Create SOA Template
Application Resources
Data Controls
Recent Files

- In deployment action screen choose ‘Deploy to SAR’
- Click ‘Next’ to proceed with the deployment.


Deploy InitiateFCUBSORRetailLoanContract
Deployment Action
Deployment Action
Deploy Configuration
Summary
Help
< Back
Next >
Finish
Cancel

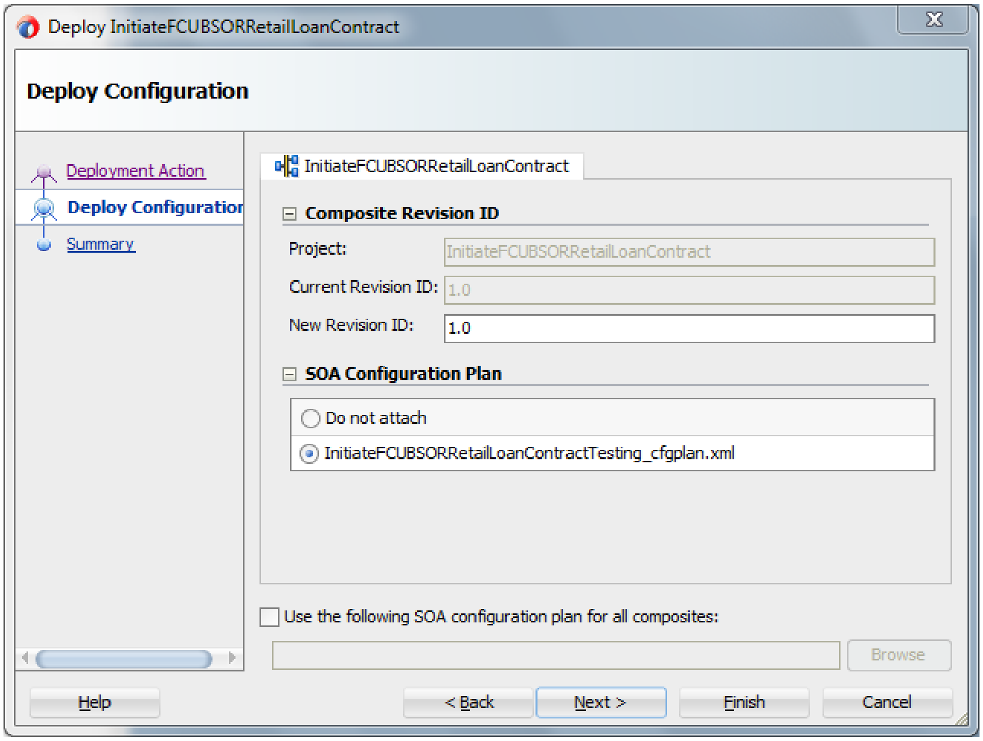
Select a deployment action from the list below.

Deploy to Application Server

Generate SAR File

Generate a SAR (.jar extension) file for the selected SOA project.

- In deployment configuration screen enter the revision
- Select the configuration plan.
- Click “Next” to proceed with the deployment.


Deploy InitiateFCUBSORRetailLoanContract
Deploy Configuration
Deployment Action
Deploy Configuration
Summary
InitiateFCUBSORRetailLoanContract
Composite Revision ID
SOA Configuration Plan
Browse
Help
< Back
Next >
Finish
Cancel

Project: InitiateFCUBSORRetailLoanContract

Current Revision ID: 1.0

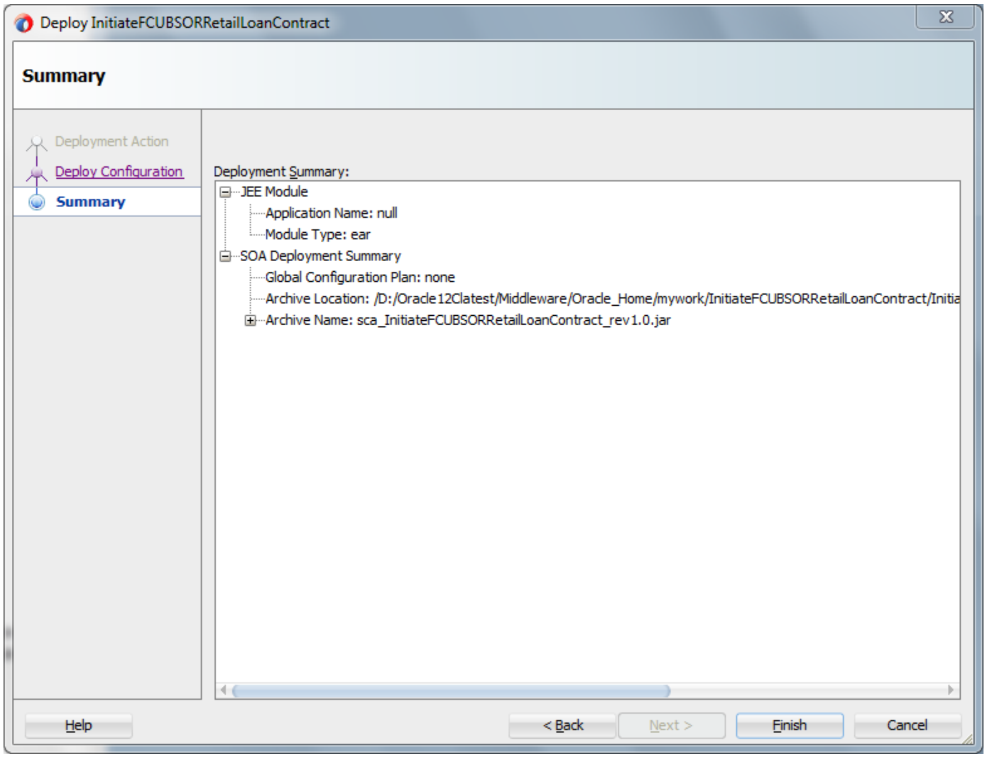
New Revision ID: 1.0

○ Do not attach

● InitiateFCUBSORRetailLoanContractTesting_cfgplan.xml

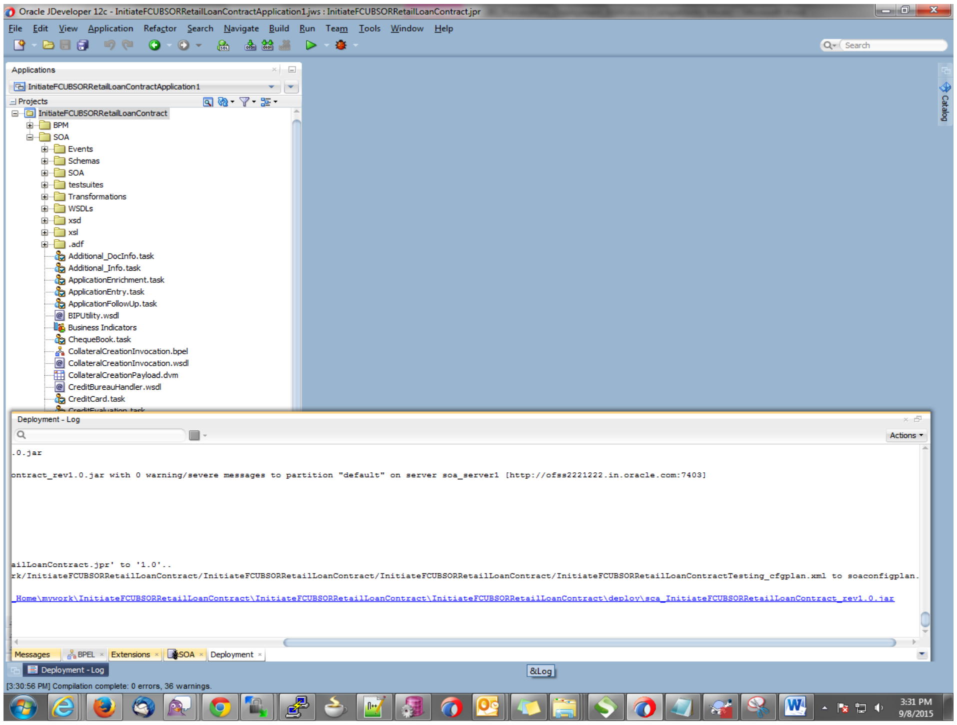
☐ Use the following SOA configuration plan for all composites:

- Review the deployment summary screen
- Click “Finish” to proceed with the deployment.


Deploy InitiateFCUBSORRetailLoanContract
Summary
Deployment Action
Deploy Configuration
Summary
Help
< Back
Next >
Finish
Cancel

```
Deployment Summary:
JEE Module
    Application Name: null
    Module Type: ear
SOA Deployment Summary
    Global Configuration Plan: none
    Archive Location: /D:/Oracle12Clatest/Middleware/Oracle_Home/mywork/InitiateFCUBSORRetailLoanContract/Initia
    Archive Name: sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar
```

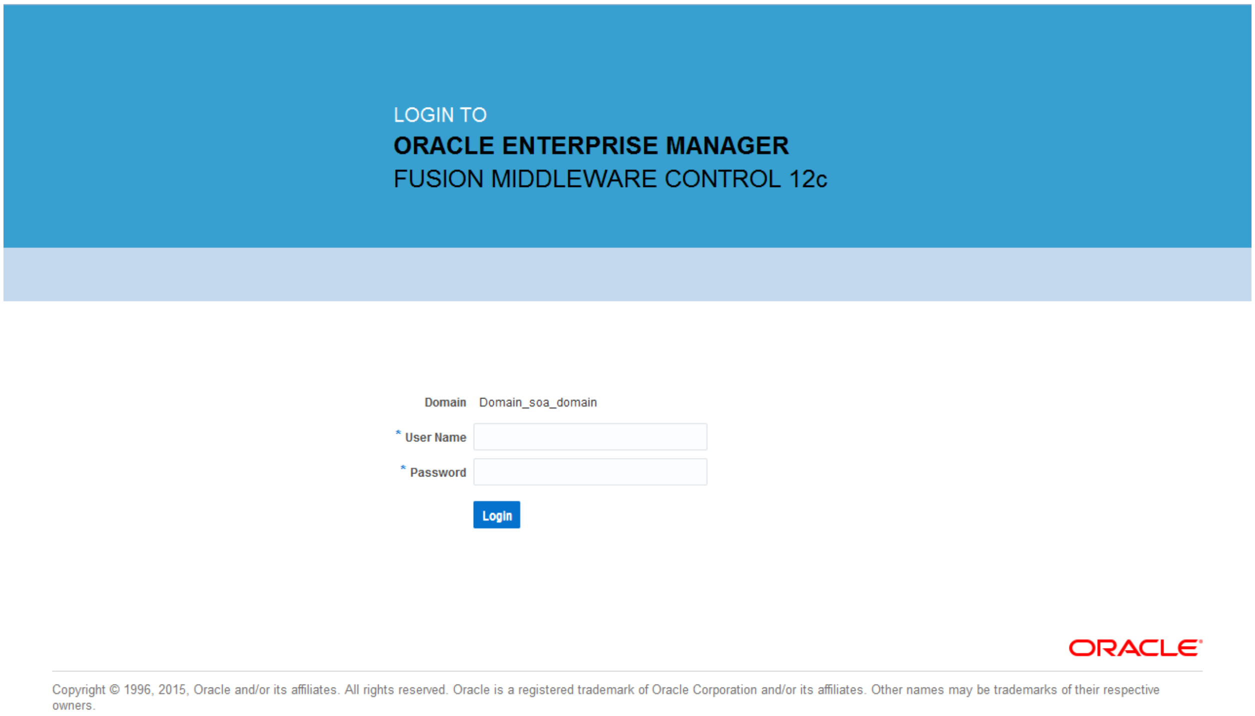
- Review the deployment log
- It shows the folder onto which the SAR file is written.


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
File
Edit
View
Application
Refactor
Search
Navigate
Build
Run
Team
Tools
Window
Help
Search
Applications
InitiateFCUBSORRetailLoanContractApplication1
Projects
InitiateFCUBSORRetailLoanContract
BPM
SOA
Events
Schemas
SOA
testsuites
Transformations
WSDLs
xsd
xsl
.adf
Additional_DocInfo.task
Additional_Info.task
ApplicationEnrichment.task
ApplicationEntry.task
ApplicationFollowUp.task
BIPUtility.wsdl
Business Indicators
ChequeBook.task
CollateralCreationInvocation.bpel
CollateralCreationInvocation.wsdl
CollateralCreationPayload.dvm
CreditBureauHandler.wsdl
CreditCard.task
Deployment - Log
Actions
Messages
BPEL
Extensions
SOA
Deployment
Deployment - Log
&Log
3:31 PM
9/8/2015

```
.0.jar

ontract_rev1.0.jar with 0 warning/severe messages to partition "default" on server soa_server1 [http://ofss2221222.in.oracle.com:7403]




ailLoanContract.jpr' to '1.0'..
rk/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanContract/InitiateFCUBSORRetailLoanContractTesting_cfgplan.xml to soaconfigplan.

_Home\mywork\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContract\deploy\sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar
```

```
[3:30:56 PM] Compilation complete: 0 errors, 36 warnings.
```

- Login to the enterprise manager console.
- Login to http://<hostname>:<port>/em



LOGIN TO

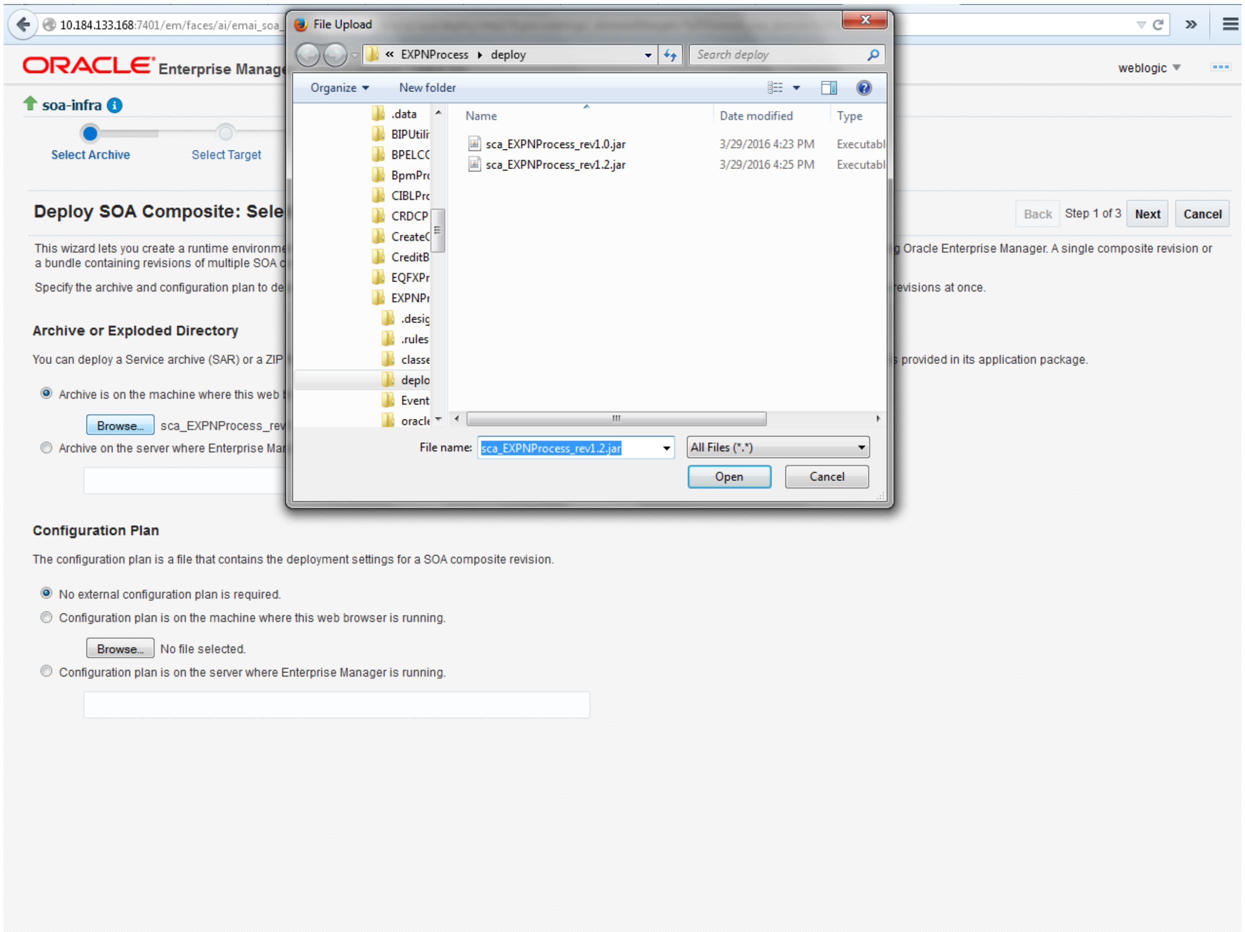
ORACLE ENTERPRISE MANAGER

FUSION MIDDLEWARE CONTROL 12c

Domain Domain_soa_domain

Copyright © 1996, 2015, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

- After logging in from the left pane - Expand ‘SOA’
- Right click on soa-infra
- Choose SOA Deployment -> and click “Deploy” option.
- Select the ‘SAR’ archive
- Select the deployment plan with which the application needs to be deployed as illustrated in the screen shot.


10.184.133.168:7401/em/faces/ai/emai_soa_
ORACLE Enterprise Manag
weblogic
soa-infra
Select Archive
Select Target
Back
Step 1 of 3
Next
Cancel
File Upload
EXPNProcess ▸ deploy
Search deploy
Organize
New folder
.data
BIPUtili
BPELCC
BpmPrc
CIBLPrc
CRDCP
CreateC
CreditB
EQFXPr
EXPNPr
.desig
.rules
classe
deplo
Event
oracle
Open
Cancel

Deploy SOA Composite: Sele

This wizard lets you create a runtime environme … g Oracle Enterprise Manager. A single composite revision or a bundle containing revisions of multiple SOA c

Specify the archive and configuration plan to de … revisions at once.

Archive or Exploded Directory

You can deploy a Service archive (SAR) or a ZIP … s provided in its application package.

● Archive is on the machine where this web

Browse... sca_EXPNProcess_rev

○ Archive on the server where Enterprise Ma

Name	Date modified	Type
sca_EXPNProcess_rev1.0.jar	3/29/2016 4:23 PM	Executabl
sca_EXPNProcess_rev1.2.jar	3/29/2016 4:25 PM	Executabl

File name: sca_EXPNProcess_rev1.2.jar

All Files (*.*)

Configuration Plan

The configuration plan is a file that contains the deployment settings for a SOA composite revision.

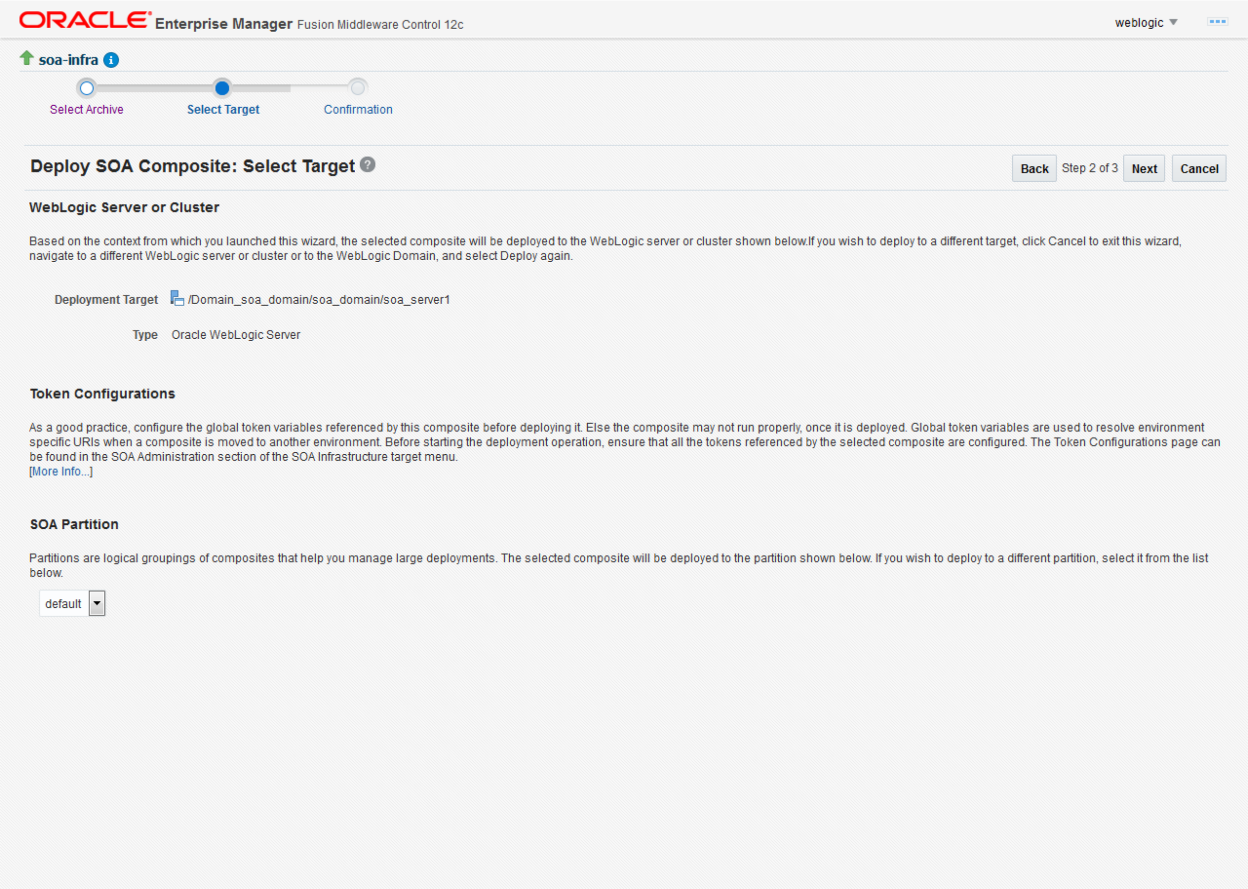
● No external configuration plan is required.

○ Configuration plan is on the machine where this web browser is running.

Browse... No file selected.

○ Configuration plan is on the server where Enterprise Manager is running.

- Click on ‘Next’ to proceed with the deployment.


ORACLE Enterprise Manager Fusion Middleware Control 12c
weblogic
soa-infra
Select Archive
Select Target
Confirmation
Back
Step 2 of 3
Next
Cancel

Deploy SOA Composite: Select Target

WebLogic Server or Cluster

Based on the context from which you launched this wizard, the selected composite will be deployed to the WebLogic server or cluster shown below.If you wish to deploy to a different target, click Cancel to exit this wizard, navigate to a different WebLogic server or cluster or to the WebLogic Domain, and select Deploy again.

Deployment Target /Domain_soa_domain/soa_domain/soa_server1

Type Oracle WebLogic Server

Token Configurations

As a good practice, configure the global token variables referenced by this composite before deploying it. Else the composite may not run properly, once it is deployed. Global token variables are used to resolve environment specific URIs when a composite is moved to another environment. Before starting the deployment operation, ensure that all the tokens referenced by the selected composite are configured. The Token Configurations page can be found in the SOA Administration section of the SOA Infrastructure target menu.
[More Info...]

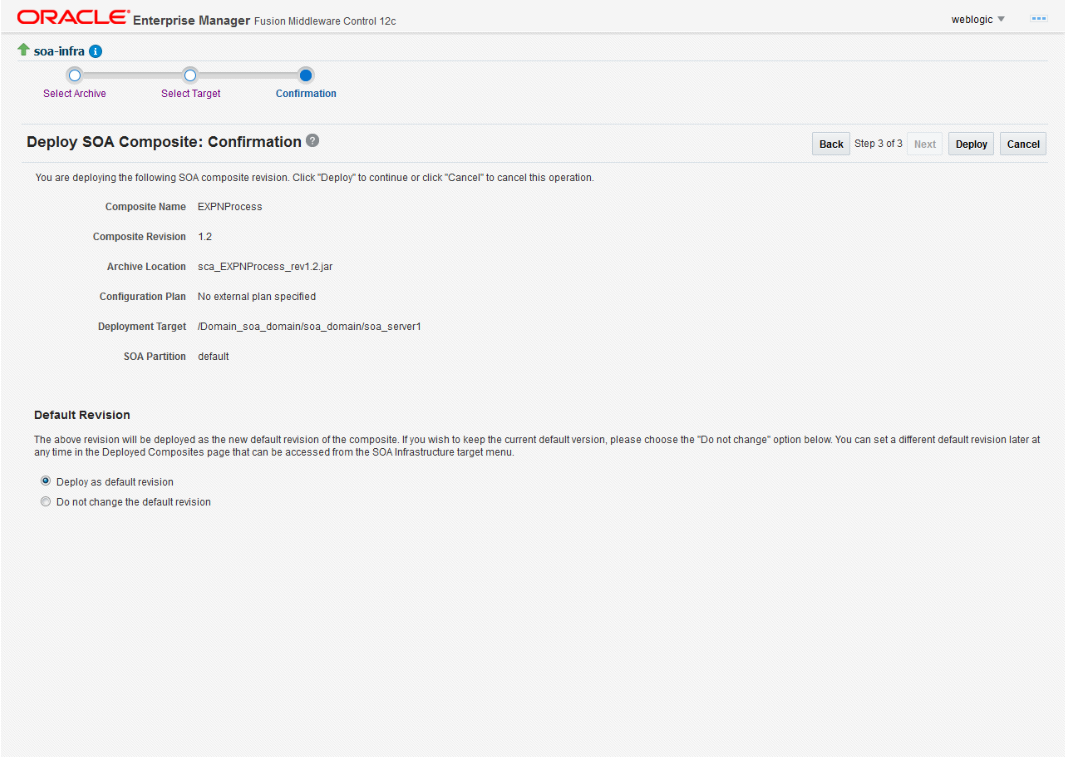
SOA Partition

Partitions are logical groupings of composites that help you manage large deployments. The selected composite will be deployed to the partition shown below. If you wish to deploy to a different partition, select it from the list below.

default

- Select default partition.

- Select the default revision option if this deployment needs to be the default one


ORACLE Enterprise Manager Fusion Middleware Control 12c
weblogic
soa-infra
Select Archive
Select Target
Confirmation
Back
Step 3 of 3
Next
Deploy
Cancel

Deploy SOA Composite: Confirmation

You are deploying the following SOA composite revision. Click "Deploy" to continue or click "Cancel" to cancel this operation.

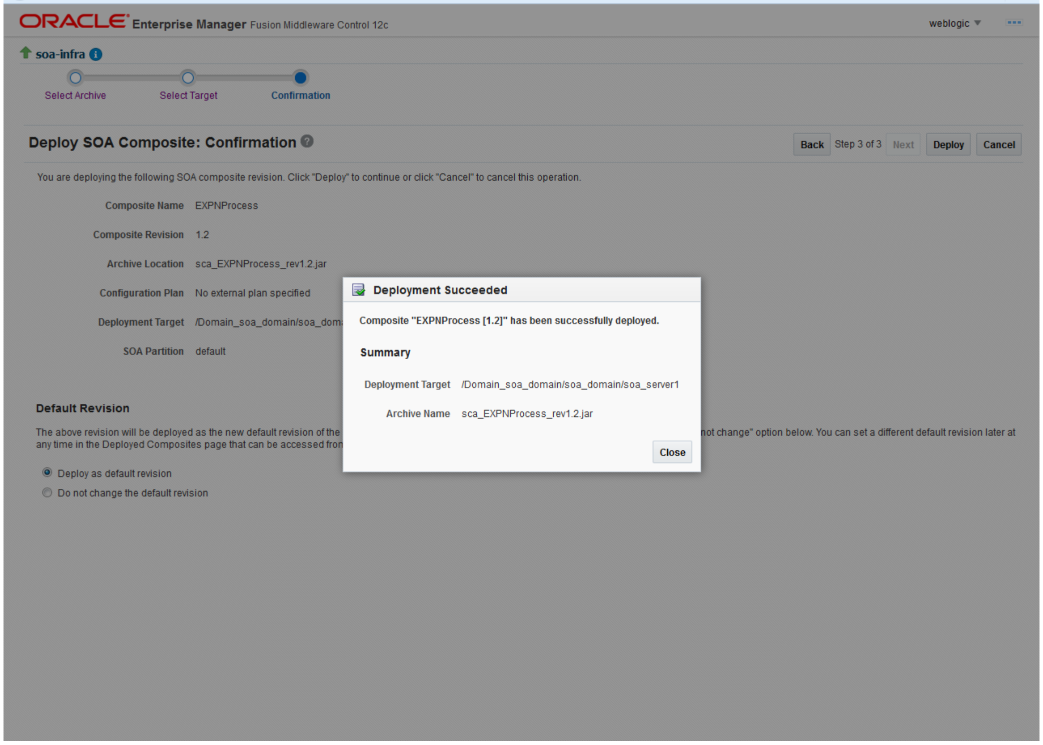
Composite Name	EXPNProcess
Composite Revision	1.2
Archive Location	sca_EXPNProcess_rev1.2.jar
Configuration Plan	No external plan specified
Deployment Target	/Domain_soa_domain/soa_domain/soa_server1
SOA Partition	default

Default Revision

The above revision will be deployed as the new default revision of the composite. If you wish to keep the current default version, please choose the "Do not change" option below. You can set a different default revision later at any time in the Deployed Composites page that can be accessed from the SOA Infrastructure target menu.

● Deploy as default revision
○ Do not change the default revision

- Click on “Deploy” to complete the deployment.


ORACLE Enterprise Manager Fusion Middleware Control 12c
weblogic
soa-infra
Select Archive
Select Target
Confirmation
Back
Step 3 of 3
Next
Deploy
Cancel
Close

Deploy SOA Composite: Confirmation

You are deploying the following SOA composite revision. Click "Deploy" to continue or click "Cancel" to cancel this operation.

Composite Name	EXPNProcess
Composite Revision	1.2
Archive Location	sca_EXPNProcess_rev1.2.jar
Configuration Plan	No external plan specified
Deployment Target	/Domain_soa_domain/soa_dom
SOA Partition	default

Deployment Succeeded

Composite "EXPNProcess [1.2]" has been successfully deployed.

Summary

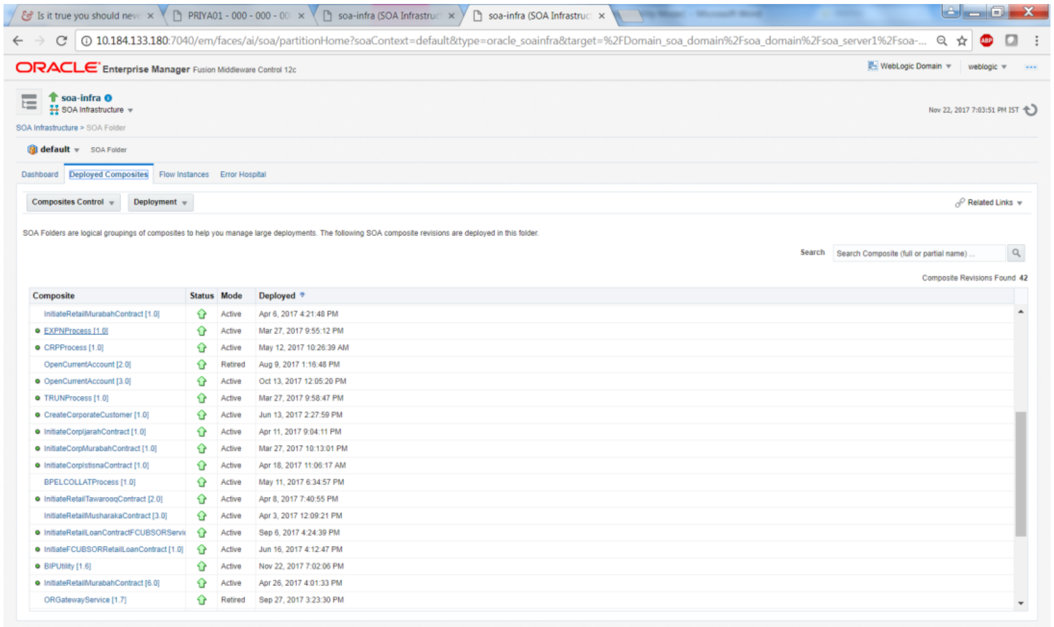
Deployment Target	/Domain_soa_domain/soa_domain/soa_server1
Archive Name	sca_EXPNProcess_rev1.2.jar

Default Revision

The above revision will be deployed as the new default revision of the
any time in the Deployed Composites page that can be accessed fron

not change" option below. You can set a different default revision later at

● Deploy as default revision
○ Do not change the default revision


Is it true you should neve
PRIYA01 - 000 - 000 - 00
soa-infra (SOA Infrastruc
soa-infra (SOA Infrastruc
10.184.133.180:7040/em/faces/ai/soa/partitionHome?soaContext=default&type=oracle_soainfra&target=%2FDomain_soa_domain%2Fsoa_domain%2Fsoa_server1%2Fsoa-...
ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
weblogic
soa-infra
SOA Infrastructure
Nov 22, 2017 7:03:51 PM IST
SOA Infrastructure > SOA Folder
default
SOA Folder
Dashboard
Deployed Composites
Flow Instances
Error Hospital
Composites Control
Deployment
Related Links
Search
Search Composite (full or partial name) ...

SOA Folders are logical groupings of composites to help you manage large deployments. The following SOA composite revisions are deployed in this folder.

Composite Revisions Found **42**

Composite	Status	Mode	Deployed
InitiateRetailMurabahContract [1.0]	⇧	Active	Apr 6, 2017 4:21:48 PM
● EXPNProcess [1.0]	⇧	Active	Mar 27, 2017 9:55:12 PM
● CRPProcess [1.0]	⇧	Active	May 12, 2017 10:26:39 AM
OpenCurrentAccount [2.0]	⇧	Retired	Aug 9, 2017 1:16:48 PM
● OpenCurrentAccount [3.0]	⇧	Active	Oct 13, 2017 12:05:20 PM
● TRUNProcess [1.0]	⇧	Active	Mar 27, 2017 9:58:47 PM
● CreateCorporateCustomer [1.0]	⇧	Active	Jun 13, 2017 2:27:59 PM
● InitiateCorpIjarahContract [1.0]	⇧	Active	Apr 11, 2017 9:04:11 PM
● InitiateCorpMurabahContract [1.0]	⇧	Active	Mar 27, 2017 10:13:01 PM
● InitiateCorpIstisnaContract [1.0]	⇧	Active	Apr 18, 2017 11:06:17 AM
BPELCOLLATProcess [1.0]	⇧	Active	May 11, 2017 6:34:57 PM
● InitiateRetailTawarooqContract [2.0]	⇧	Active	Apr 8, 2017 7:40:55 PM
InitiateRetailMusharakaContract [3.0]	⇧	Active	Apr 3, 2017 12:09:21 PM
● InitiateRetailLoanContractFCUBSORServi	⇧	Active	Sep 6, 2017 4:24:39 PM
● InitiateFCUBSORRetailLoanContract [1.0]	⇧	Active	Jun 16, 2017 4:12:47 PM
● BIPUtility [1.6]	⇧	Active	Nov 22, 2017 7:02:06 PM
● InitiateRetailMurabahContract [6.0]	⇧	Active	Apr 26, 2017 4:01:33 PM
ORGatewayService [1.7]	⇧	Retired	Sep 27, 2017 3:23:30 PM

- Check the deployed process from the enterprise manager console.

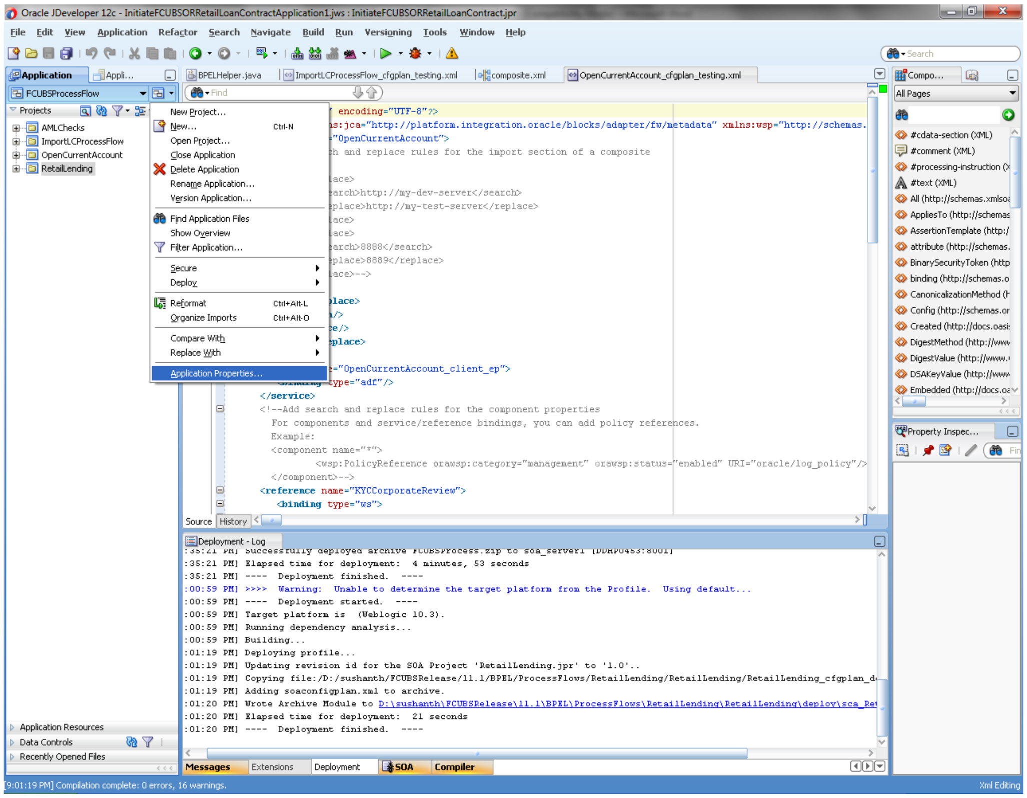
7. Deploying Multiple Composite application using JDeveloper

7.1 Introduction

This section describes how to deploy a multiple SOA composite application with Oracle JDeveloper after completing updating of config plans with respective target environment replacement values.

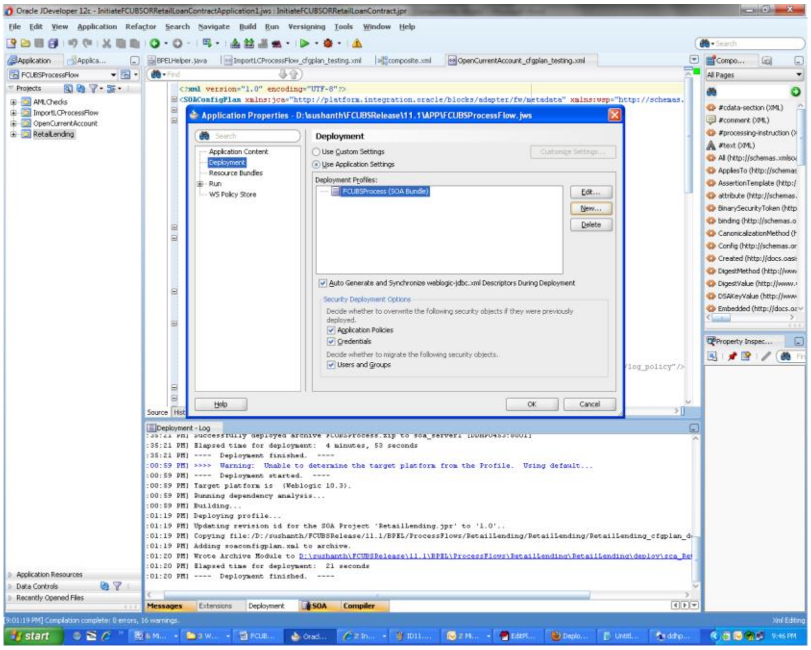
7.2 Creating the Deployment Profile

- From the application menu select ‘Application Properties’ as illustrated in the screen shot.


Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
File Edit View Application Refactor Search Navigate Build Run Versioning Tools Window Help
FCUBSProcessFlow
Projects
AMLChecks
ImportLCProcessFlow
OpenCurrentAccount
RetailLending
New Project...
New... Ctrl-N
Open Project...
Close Application
Delete Application
Rename Application...
Version Application...
Find Application Files
Show Overview
Filter Application...
Secure
Deploy
Reformat Ctrl+Alt-L
Organize Imports Ctrl+Alt-O
Compare With
Replace With
Application Properties...
BPELHelper.java
ImportLCProcessFlow_cfgplan_testing.xml
composite.xml
OpenCurrentAccount_cfgplan_testing.xml
Source
History
Deployment - Log
Messages
Extensions
Deployment
SOA
Compiler
Application Resources
Data Controls
Recently Opened Files
All Pages
Property Inspec...
[9:01:19 PM] Compilation complete: 0 errors, 16 warnings.
Xml Editing

```
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- In the Application Properties dialog, click Deployment.
- Click New.



Application Properties - D:\sushanth\FCUBSRelease\11.1\APP\FCUBSProcessFlow.jws

Deployment

○ Use Custom Settings

● Use Application Settings

Deployment Profiles: FCUBSProcess (SOA Bundle)

☑ Auto Generate and Synchronize weblogic-jdbc.xml Descriptors During Deployment

Security Deployment Options

Decide whether to overwrite the following security objects if they were previously deployed.

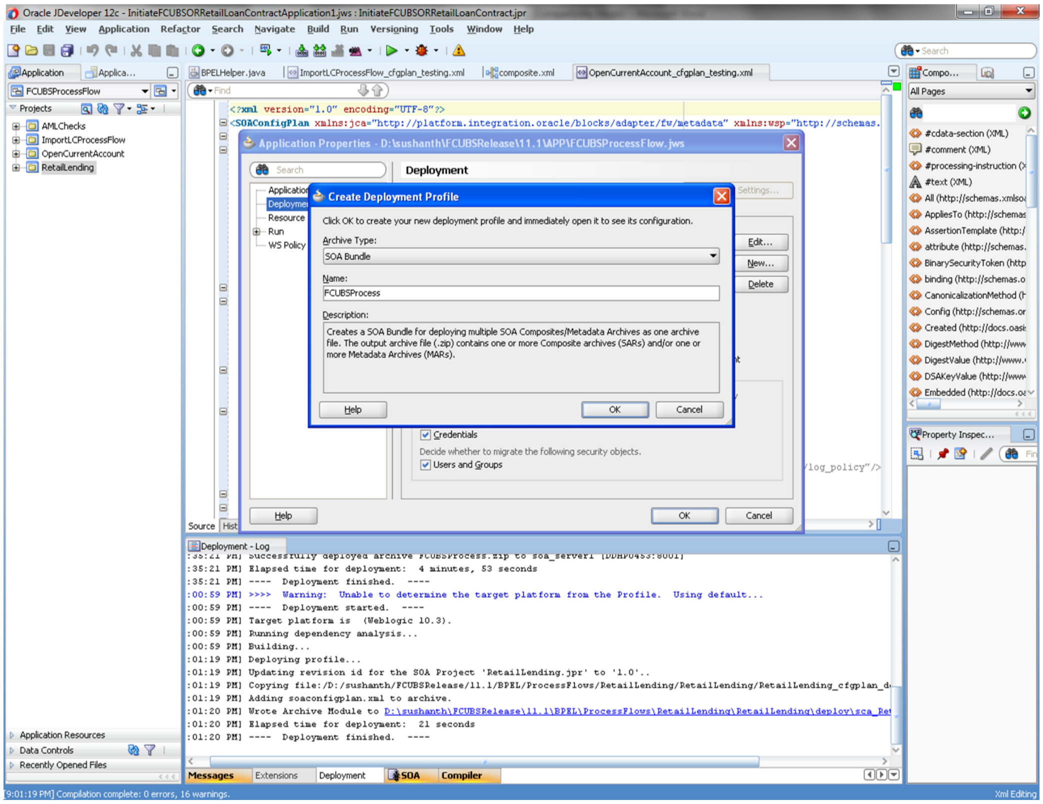
☑ Application Policies

☑ Credentials

Decide whether to migrate the following security objects.

☑ Users and Groups

- The Create Deployment Profile dialog appears.
- In the Archive Type list, select SOA Bundle.
- In the Name field, enter a name and click ‘OK’.



Create Deployment Profile

Click OK to create your new deployment profile and immediately open it to see its configuration.

Archive Type: SOA Bundle

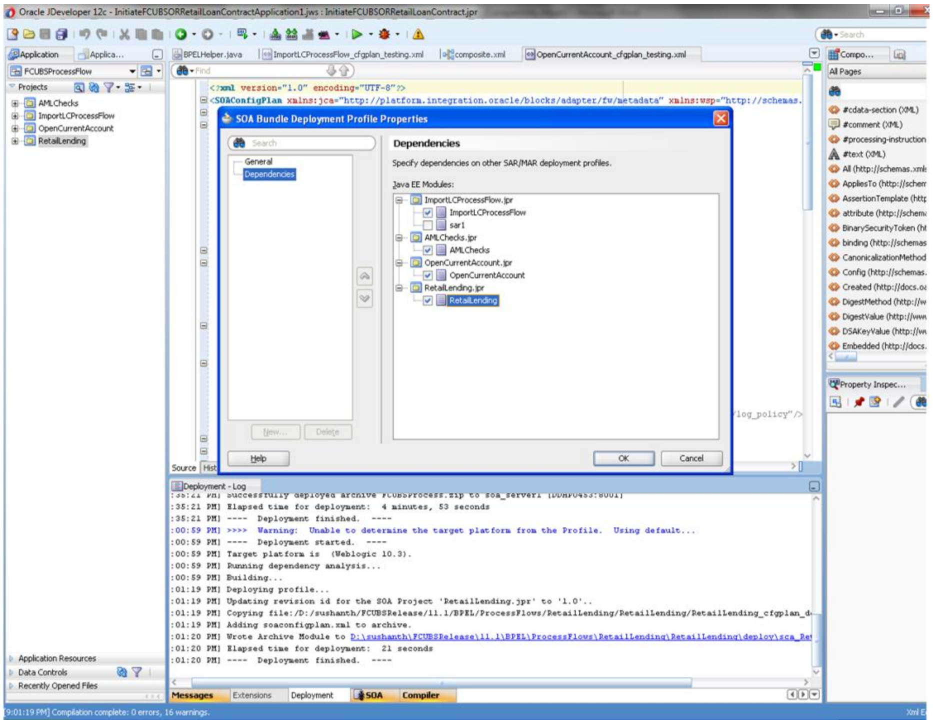
Name: FCUBSProcess

Description: Creates a SOA Bundle for deploying multiple SOA Composites/Metadata Archives as one archive file. The output archive file (.zip) contains one or more Composite archives (SARs) and/or one or more Metadata Archives (MARs).

```
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- In the navigator on the left, select the Dependencies node.
- Select the SARs you want to include in this bundle, as illustrated in the screen shot

- Click OK.



SOA Bundle Deployment Profile Properties

Dependencies

Specify dependencies on other SAR/MAR deployment profiles.

Java EE Modules:

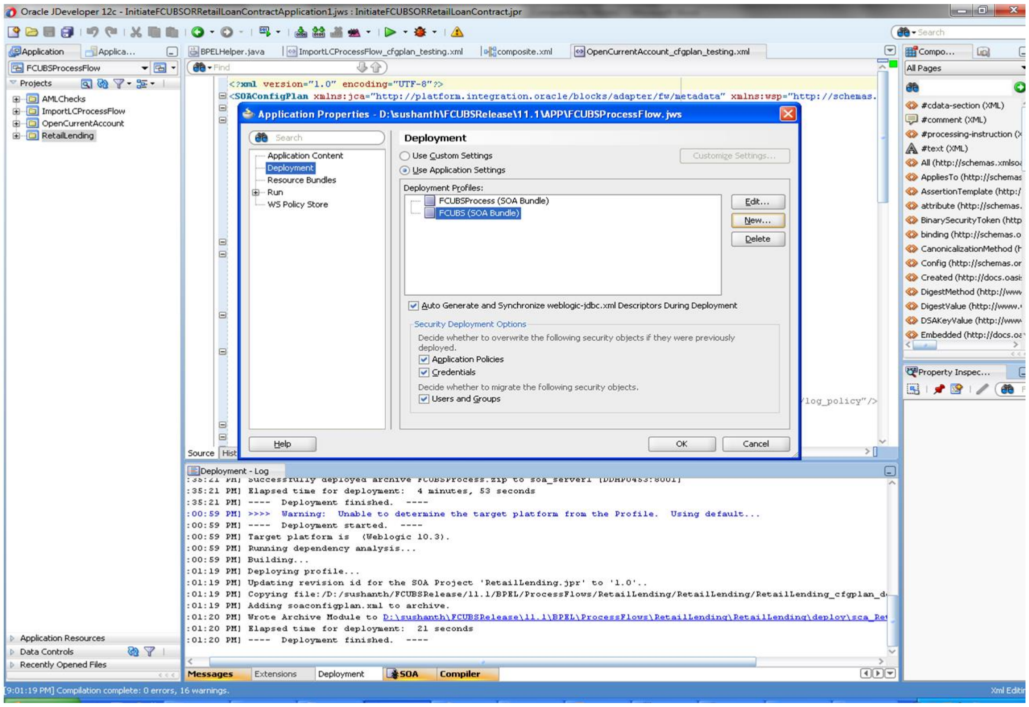
- ImportLCProcessFlow.jpr
  - ☑ ImportLCProcessFlow
  - ☐ sar1
- AMLChecks.jpr
  - ☑ AMLChecks
- OpenCurrentAccount.jpr
  - ☑ OpenCurrentAccount
- RetailLending.jpr
  - ☑ RetailLending

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAConfigPlan xmlns:jca="http://platform.integration.oracle/blocks/adapter/fw/metadata" xmlns:wsp="http://schemas.
```

```
:35:21 PM] Successfully deployed archive FCUBSProcess.zip to soa_server1 [DDHP0453:8001]
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr
Application
FCUBSProcessFlow
Projects
AMLChecks
ImportLCProcessFlow
OpenCurrentAccount
RetailLending
BPELHelper.java
ImportLCProcessFlow_cfgplan_testing.xml
composite.xml
OpenCurrentAccount_cfgplan_testing.xml
General
Dependencies
New...
Delete
Help
OK
Cancel
Deployment - Log
Messages
Extensions
Deployment
SOA
Compiler
Application Resources
Data Controls
Recently Opened Files
[9:01:19 PM] Compilation complete: 0 errors, 16 warnings.

- Click OK to close the Application Properties dialog.



Application Properties - D:\sushanth\FCUBSRelease\11.1\APP\FCUBSProcessFlow.jws

Deployment

○ Use Custom Settings

● Use Application Settings

Deployment Profiles:

- FCUBSProcess (SOA Bundle)
- FCUBS (SOA Bundle)

☑ Auto Generate and Synchronize weblogic-jdbc.xml Descriptors During Deployment

Security Deployment Options

Decide whether to overwrite the following security objects if they were previously deployed.

☑ Application Policies

☑ Credentials

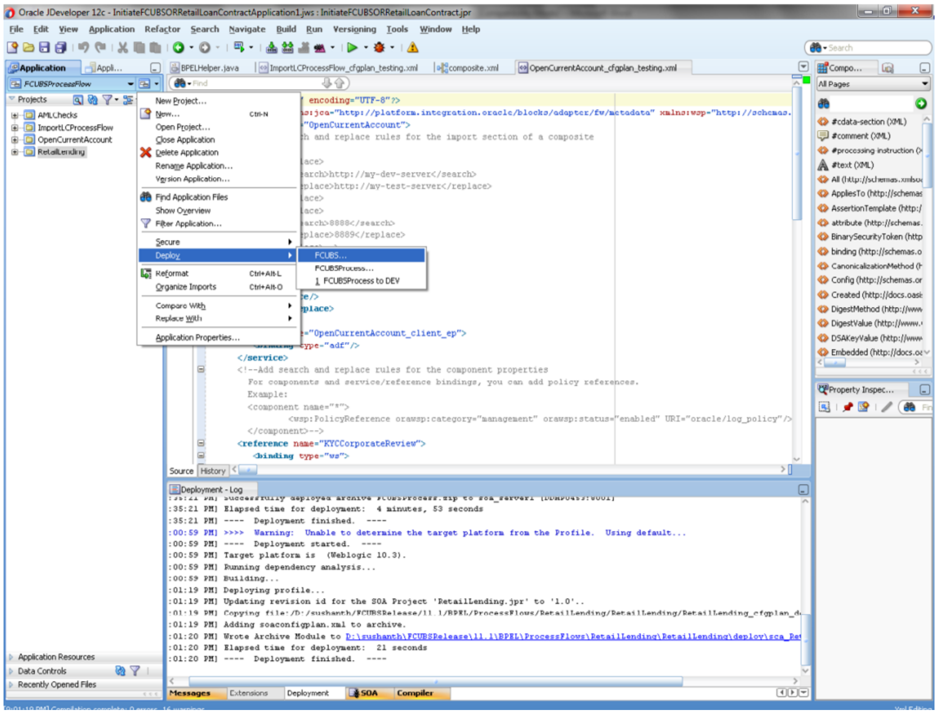
Decide whether to migrate the following security objects.

☑ Users and Groups

```
:35:21 PM] Successfully deployed archive FCUBSProcess.zip to soa_server1 [DDHP0453:8001]
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

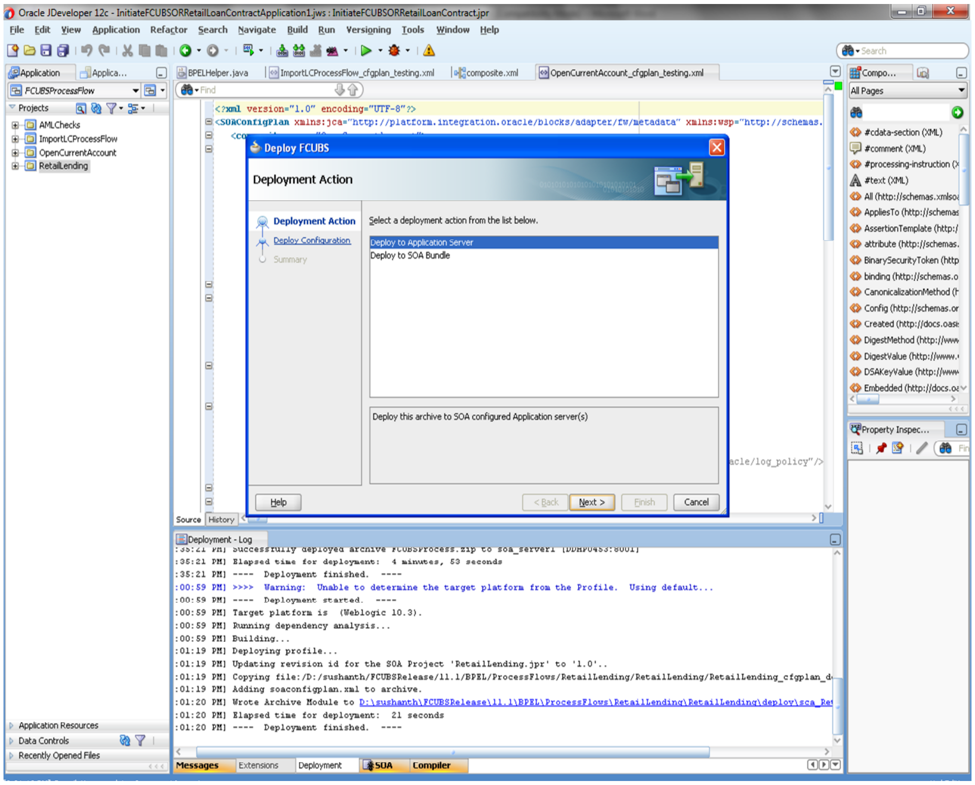
Application Content
Deployment
Resource Bundles
Run
WS Policy Store
Customize Settings...
Edit...
New...
Delete
Help
OK
Cancel

- Select the Application menu again, then select Deploy > SOA_bundle_name


Deploy
FCUBS...
FCUBSProcess...
1 FCUBSProcess to DEV

```
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- Deployment screen is launched , Select ‘Deploy to Application Server’


Deploy FCUBS
Deployment Action
Deployment Action
Deploy Configuration
Summary
Help
< Back
Next >
Finish
Cancel

Select a deployment action from the list below.

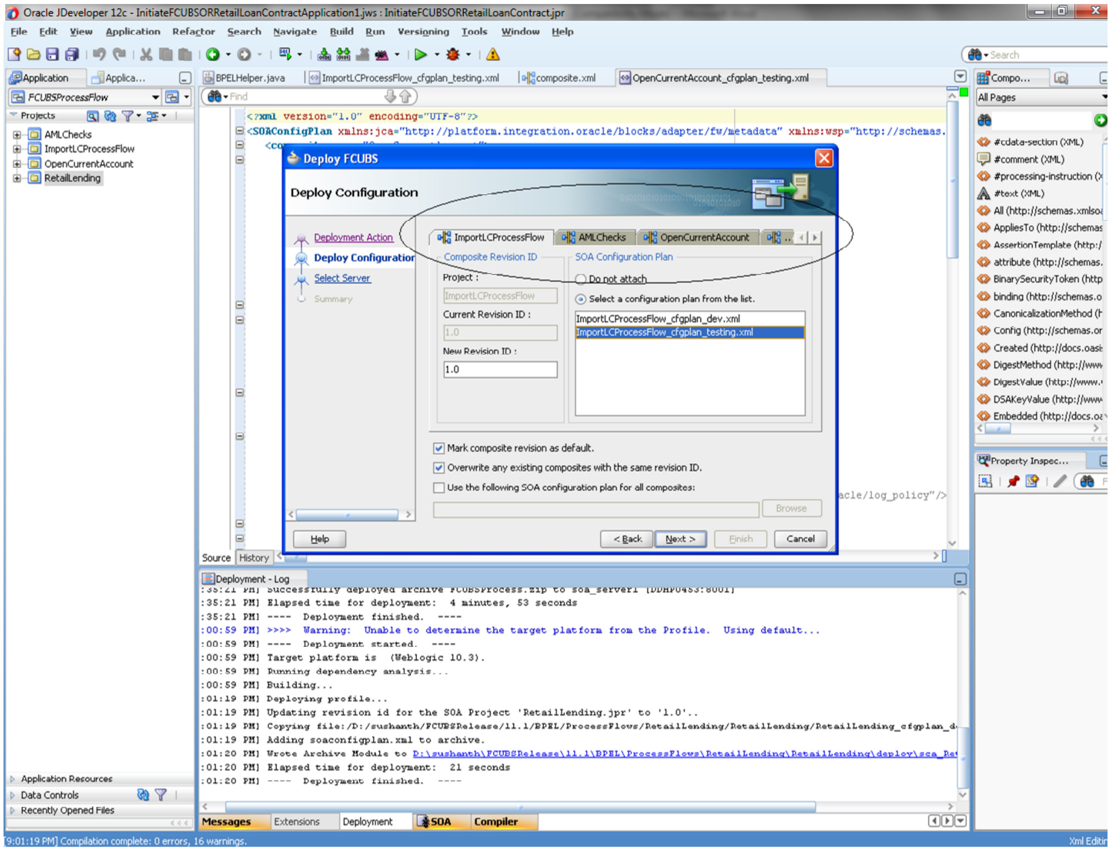
Deploy to Application Server

Deploy to SOA Bundle

Deploy this archive to SOA configured Application server(s)

- Deployment configuration is done as illustrated in the below screen shot for each application which is displayed in the tab, application navigation can be done using the pointer provided at the end of the tab.
- Select a Revision with which the deployment should happen

- Select a ” Configuration Plan” that was updated as given in Section 5
- Remember to check both the checkboxes
- “Mark composite revision as ‘default”
- “Overwrite any existing composites with the same revision ID”
- After all the applications are configured Click “Next” to proceed with the deployment.



Deploy FCUBS
Deployment Action
Deploy Configuration
Select Server
Summary
ImportLCProcessFlow
AMLChecks
OpenCurrentAccount
Help
< Back
Next >
Finish
Cancel
Browse
Messages
Extensions
Deployment
SOA
Compiler

Deploy Configuration

Composite Revision ID

Project : ImportLCProcessFlow

Current Revision ID : 1.0

New Revision ID : 1.0

SOA Configuration Plan

○ Do not attach

● Select a configuration plan from the list.

ImportLCProcessFlow_cfgplan_dev.xml
ImportLCProcessFlow_cfgplan_testing.xml

☑ Mark composite revision as default.

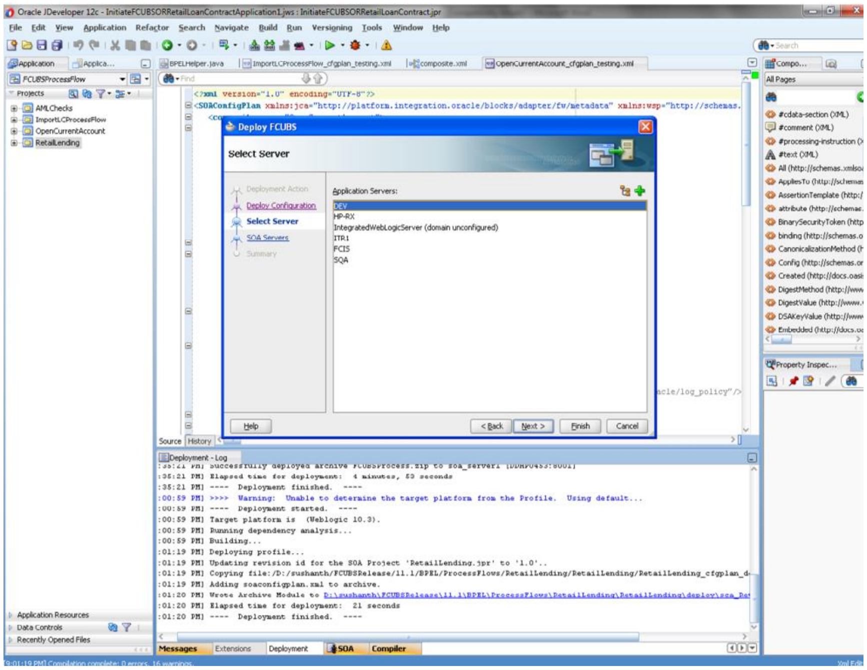
☑ Overwrite any existing composites with the same revision ID.

☐ Use the following SOA configuration plan for all composites:

Deployment - Log

```
:35:21 PM] Successfully deployed archive FCUBSProcess.zip to soa_server1 [DDHP0453:8001]
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- Select the Application server ‘Server Connection’ configured that was done in Section 3 to which the deployment needs to be done
- Click ‘Next’ to proceed with the deployment.



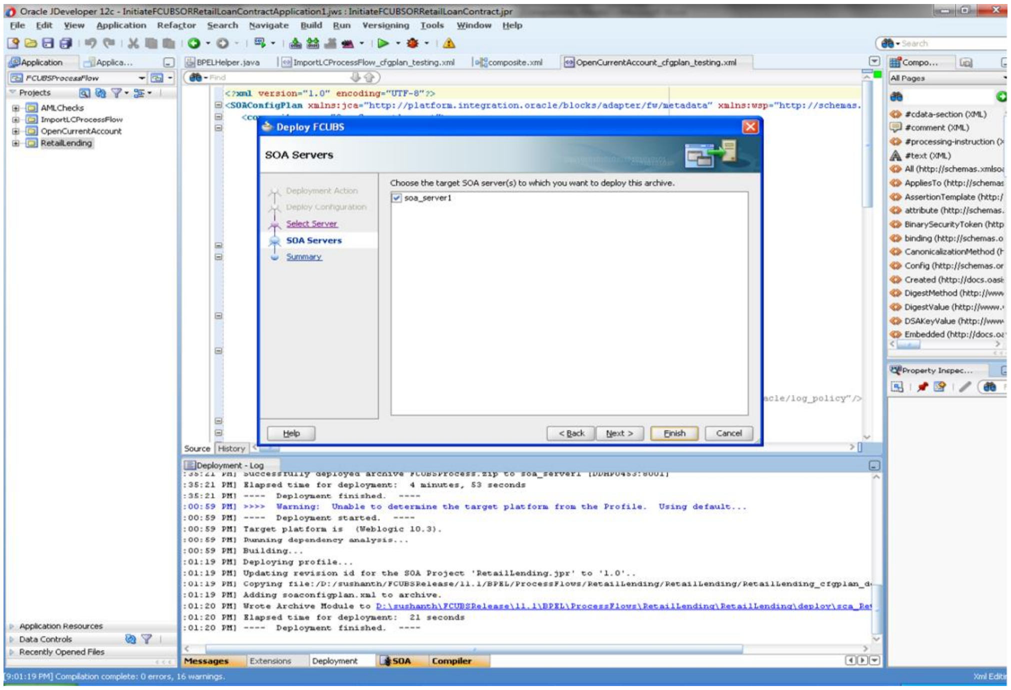
Deploy FCUBS
Select Server
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Help
< Back
Next >
Finish
Cancel

Application Servers:

DEV
HP-RX
IntegratedWebLogicServer (domain unconfigured)
ITR1
FCIS
SQA

```
:35:21 PM] Successfully deployed archive FCUBSProcess.zip to soa_server1 [DDHP0453:8001]
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Re
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- Select the Application ‘server’ to which the deployment needs to be done.



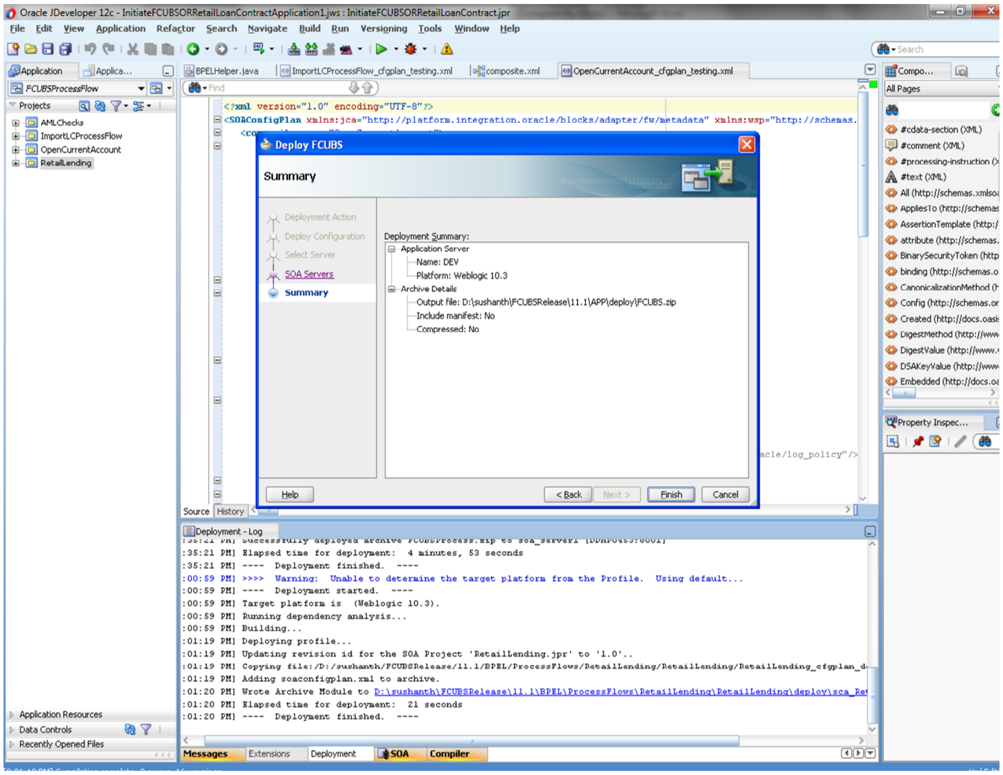
Deploy FCUBS
SOA Servers
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Help
< Back
Next >
Finish
Cancel

Choose the target SOA server(s) to which you want to deploy this archive.

☑ soa_server1

```
:35:21 PM] Successfully deployed archive FCUBSProcess.zip to soa_server1 [DDHP0453:8001]
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Re
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

- View the summary of the deployment details and click ‘Finish’ to complete the deployment.



Deploy FCUBS

Summary

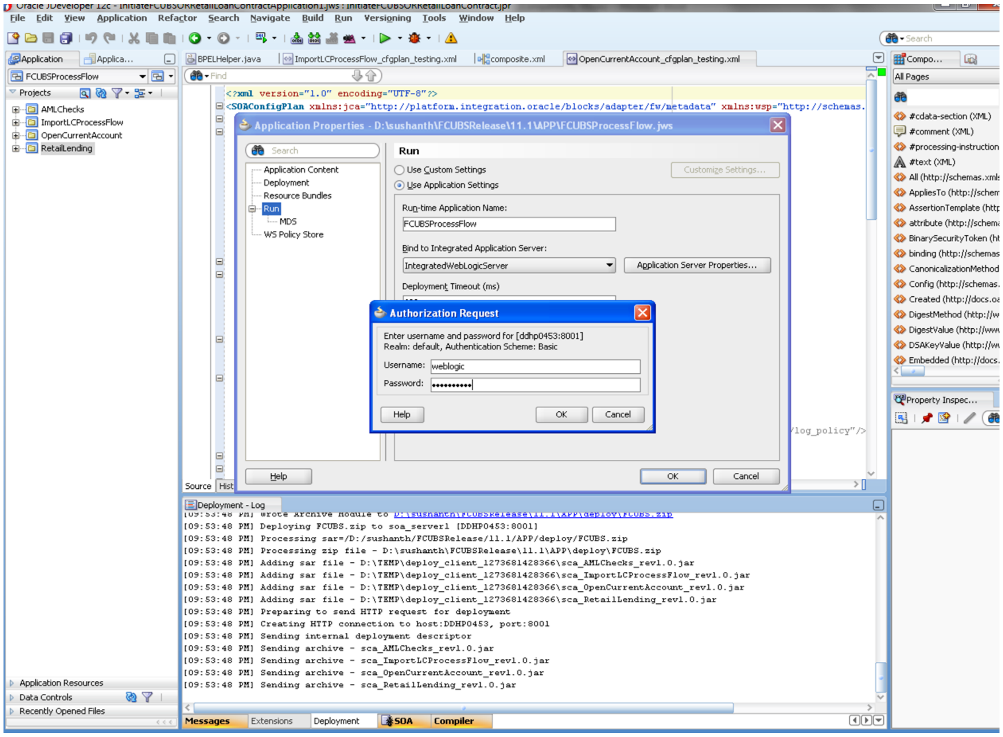
Deployment Summary:

- Application Server
  - Name: DEV
  - Platform: Weblogic 10.3
- Archive Details
  - Output file: D:\sushanth\FCUBSRelease\11.1\APP\deploy\FCUBS.zip
  - Include manifest: No
  - Compressed: No

```
:35:21 PM] Elapsed time for deployment:  4 minutes, 53 seconds
:35:21 PM] ----  Deployment finished.  ----
:00:59 PM] >>>>  Warning:  Unable to determine the target platform from the Profile.  Using default...
:00:59 PM] ----  Deployment started.  ----
:00:59 PM] Target platform is  (Weblogic 10.3).
:00:59 PM] Running dependency analysis...
:00:59 PM] Building...
:01:19 PM] Deploying profile...
:01:19 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'..
:01:19 PM] Copying file:/D:/sushanth/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLending_cfgplan_d
:01:19 PM] Adding soaconfigplan.xml to archive.
:01:20 PM] Wrote Archive Module to D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret
:01:20 PM] Elapsed time for deployment:  21 seconds
:01:20 PM] ----  Deployment finished.  ----
```

Deployment Action
Deploy Configuration
Select Server
SOA Servers
Help
< Back
Next >
Finish
Cancel
Deployment - Log
Messages
Extensions
Deployment
SOA
Compiler

- If the server prompts for username / password provide the credentials for the server.



Authorization Request

Enter username and password for [ddhp0453:8001]
Realm: default, Authentication Scheme: Basic

Username: weblogic
Password: ••••••••••

Application Properties - D:\sushanth\FCUBSRelease\11.1\APP\FCUBSProcessFlow.jws

Run

○ Use Custom Settings
● Use Application Settings

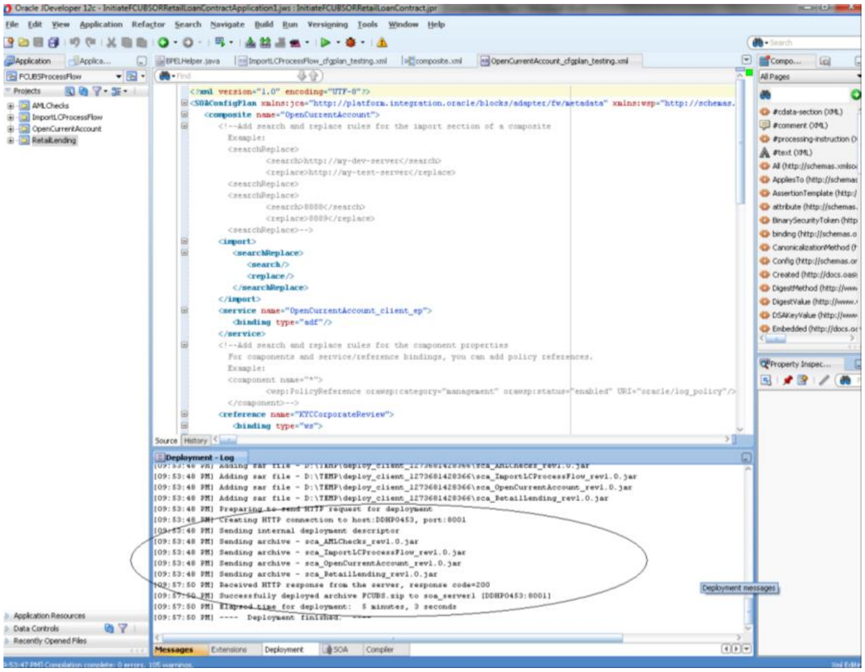
Run-time Application Name: FCUBSProcessFlow

Bind to Integrated Application Server: IntegratedWebLogicServer

```
[09:53:48 PM] Deploying FCUBS.zip to soa_server1 [DDHP0453:8001]
[09:53:48 PM] Processing sar=/D:/sushanth/FCUBSRelease/11.1/APP/deploy/FCUBS.zip
[09:53:48 PM] Processing zip file - D:\sushanth\FCUBSRelease\11.1\APP\deploy\FCUBS.zip
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_AMLChecks_rev1.0.jar
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_ImportLCProcessFlow_rev1.0.jar
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_OpenCurrentAccount_rev1.0.jar
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_RetailLending_rev1.0.jar
[09:53:48 PM] Preparing to send HTTP request for deployment
[09:53:48 PM] Creating HTTP connection to host:DDHP0453, port:8001
[09:53:48 PM] Sending internal deployment descriptor
[09:53:48 PM] Sending archive - sca_AMLChecks_rev1.0.jar
[09:53:48 PM] Sending archive - sca_ImportLCProcessFlow_rev1.0.jar
[09:53:48 PM] Sending archive - sca_OpenCurrentAccount_rev1.0.jar
[09:53:48 PM] Sending archive - sca_RetailLending_rev1.0.jar
```

Application Content
Deployment
Resource Bundles
Run
MDS
WS Policy Store
Customize Settings...
Deployment Timeout (ms)
Application Server Properties...
Help
OK
Cancel
Deployment - Log
Messages
Extensions
Deployment
SOA
Compiler

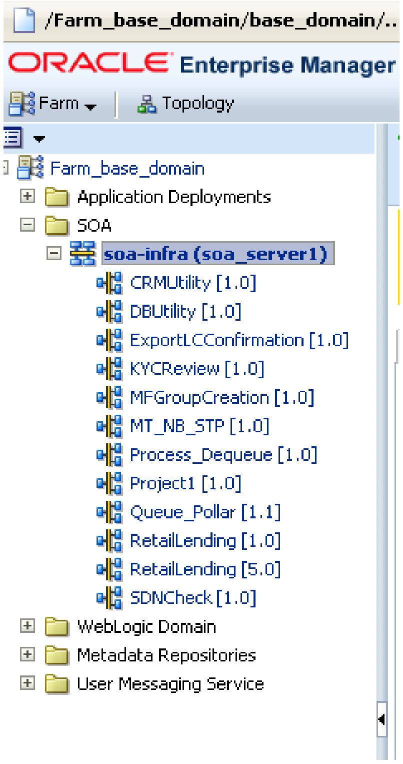
- The deployment status can be verified in the deployment status Log window.



```
<?xml version="1.0" encoding="UTF-8"?>
<SOAConfigPlan xmlns:jca="http://platform.integration.oracle/blocks/adapter/fw/metadata" xmlns:wsp="http://schemas.
  <composite name="OpenCurrentAccount">
    <!--Add search and replace rules for the import section of a composite
      Example:
      <searchReplace>
              <search>http://my-dev-server</search>
              <replace>http://my-test-server</replace>
      <searchReplace>
      <searchReplace>
              <search>8888</search>
              <replace>8889</replace>
      <searchReplace>-->
    <import>
      <searchReplace>
        <search/>
        <replace/>
      </searchReplace>
    </import>
    <service name="OpenCurrentAccount_client_ep">
      <binding type="adf"/>
    </service>
    <!--Add search and replace rules for the component properties
      For components and service/reference bindings, you can add policy references.
      Example:
      <component name="*">
              <wsp:PolicyReference orawsp:category="management" orawsp:status="enabled" URI="oracle/log_policy"/>
      </component>-->
    <reference name="KYCCorporateReview">
      <binding type="ws">
```

```
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_ImportLCProcessFlow_rev1.0.jar
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_OpenCurrentAccount_rev1.0.jar
[09:53:48 PM] Adding sar file - D:\TEMP\deploy_client_1273681428366\sca_RetailLending_rev1.0.jar
[09:53:48 PM] Preparing to send HTTP request for deployment
[09:53:48 PM] Creating HTTP connection to host:DDHP0453, port:8001
[09:53:48 PM] Sending internal deployment descriptor
[09:53:48 PM] Sending archive - sca_AMLChecks_rev1.0.jar
[09:53:48 PM] Sending archive - sca_ImportLCProcessFlow_rev1.0.jar
[09:53:48 PM] Sending archive - sca_OpenCurrentAccount_rev1.0.jar
[09:53:48 PM] Sending archive - sca_RetailLending_rev1.0.jar
[09:57:50 PM] Received HTTP response from the server, response code=200
[09:57:50 PM] Successfully deployed archive FCUBS.zip to soa_server1 [DDHP0453:8001]
[09:57:50 PM] Elapsed time for deployment:  5 minutes, 3 seconds
[09:57:50 PM] ----  Deployment finished.  ----
```

- The deployed process can be verified by checking if the process is showing up in the SOA Suite enterprise manager console.
- Login to http://<hostname>:<port>/em
- Expand SOA - >soa-infra and view all deployed applications



/Farm_base_domain/base_domain/..

ORACLE Enterprise Manager

Farm | Topology

- Farm_base_domain
  - Application Deployments
  - SOA
    - **soa-infra (soa_server1)**
      - CRMUtility [1.0]
      - DBUtility [1.0]
      - ExportLCConfirmation [1.0]
      - KYCReview [1.0]
      - MFGroupCreation [1.0]
      - MT_NB_STP [1.0]
      - Process_Dequeue [1.0]
      - Project1 [1.0]
      - Queue_Pollar [1.1]
      - RetailLending [1.0]
      - RetailLending [5.0]
      - SDNCheck [1.0]
  - WebLogic Domain
  - Metadata Repositories
  - User Messaging Service

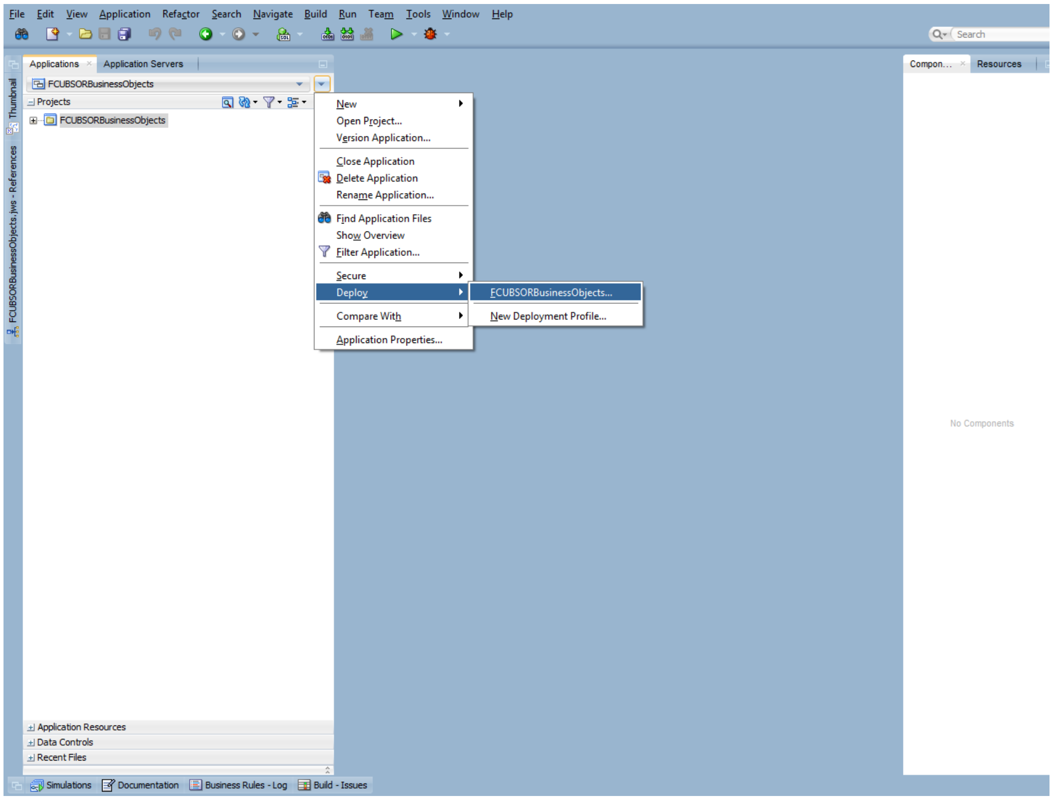
8. Deploying MDS application using JDeveloper

8.1 Introduction

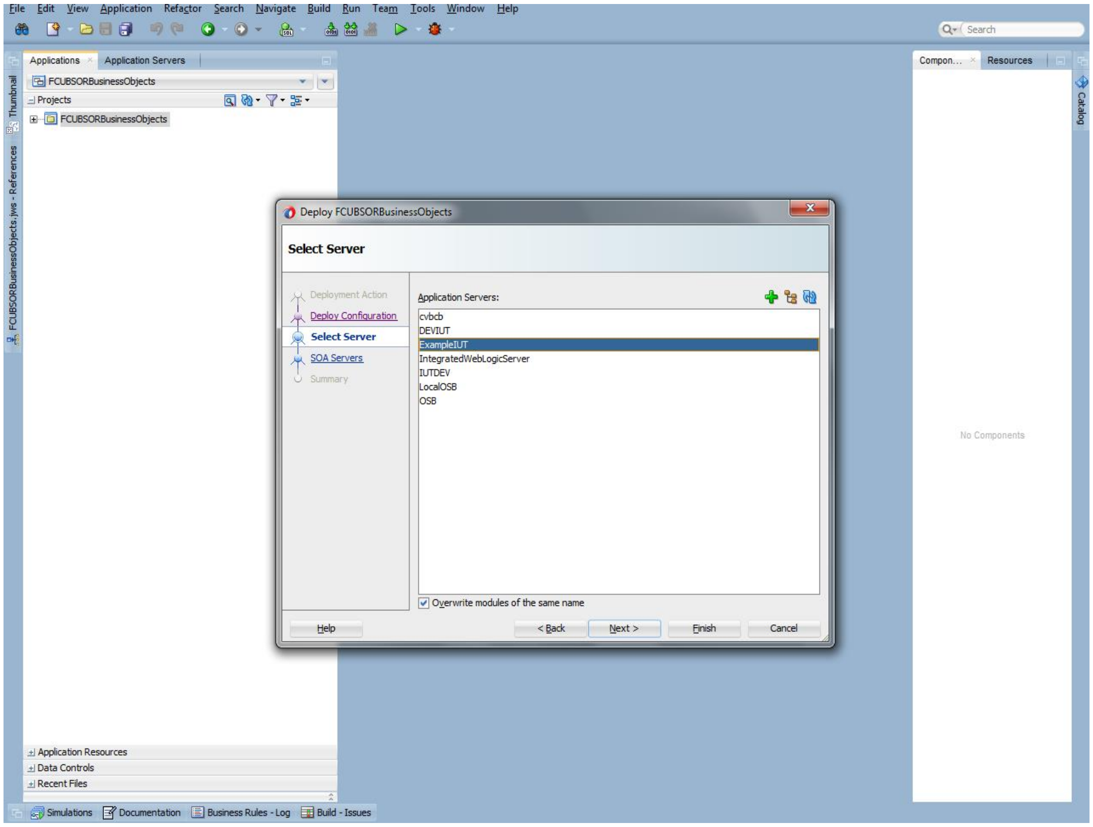
This section describes how to deploy a MDS application with Oracle JDeveloper with respective target environment.

8.2 Deploying the Application

- Load the MDS Application(FCUBSORBusinessObjects,FCUBSORServiceObjects) in Jdeveloper
- Right click on the “Application” tab in the Jdeveloper
- Select ‘Deploy’ and then click on the default deployment profile which is the same as the application name.
- This will result in the deployment wizard screen being launched.


File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
Application Servers
FCUBSORBusinessObjects
Projects
FCUBSORBusinessObjects
New
Open Project...
Version Application...
Close Application
Delete Application
Rename Application...
Find Application Files
Show Overview
Filter Application...
Secure
Deploy
FCUBSORBusinessObjects...
New Deployment Profile...
Compare With
Application Properties...
Compon...
Resources
No Components
Application Resources
Data Controls
Recent Files
Simulations
Documentation
Business Rules - Log
Build - Issues

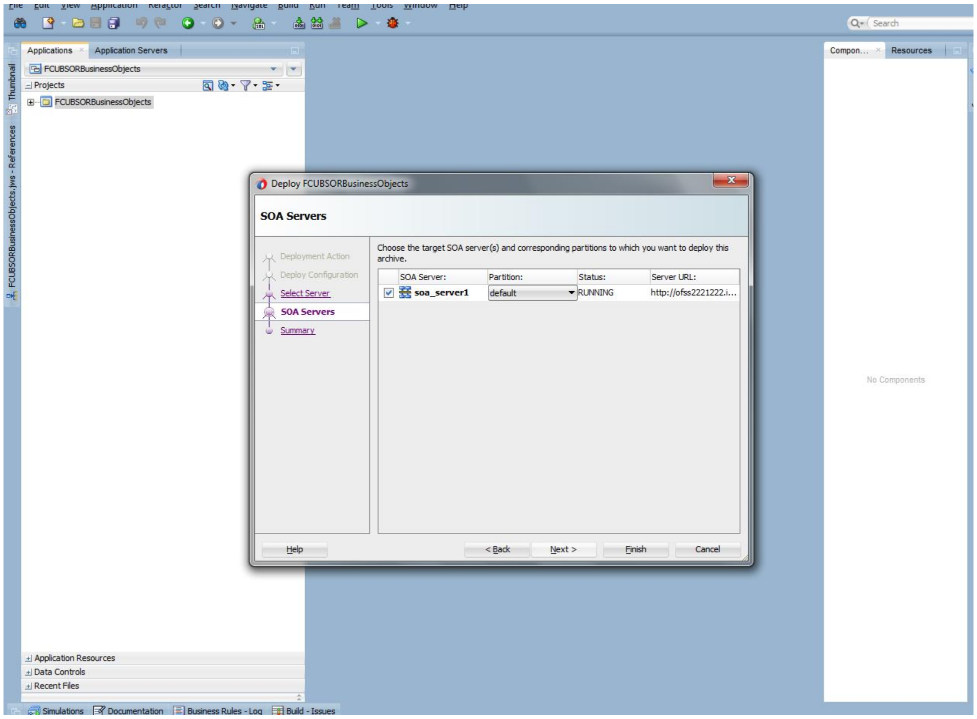
- In deployment action screen choose Deploy to Application Server.
- Click Next→Next to proceed with deployment.
- Select the Application Server to which the MDS Application Needs to Deploy.


File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
Application Servers
FCUBSORBusinessObjects
Projects
Application Resources
Data Controls
Recent Files
Simulations
Documentation
Business Rules - Log
Build - Issues
Compon...
Resources
No Components
Deploy FCUBSORBusinessObjects
Select Server
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Application Servers:
Help
< Back
Next >
Finish
Cancel

cvbcb
DEVIUT
ExampleIUT
IntegratedWebLogicServer
IUTDEV
LocalOSB
OSB

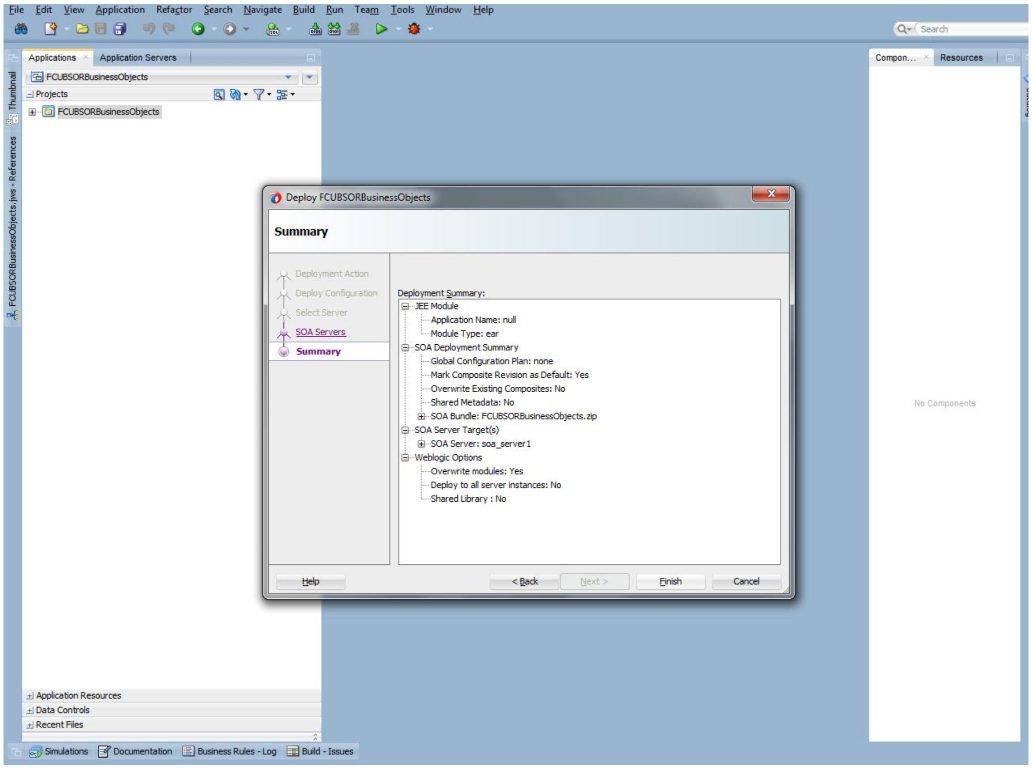
☑ Overwrite modules of the same name

- Click Next and Finish buttons on the deployment wizard after selecting application server.


File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
Application Servers
FCUBSORBusinessObjects
Projects
Application Resources
Data Controls
Recent Files
Simulations
Documentation
Business Rules - Log
Build - Issues
Compon...
Resources
No Components
Deploy FCUBSORBusinessObjects
SOA Servers
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Help
< Back
Next >
Finish
Cancel

Choose the target SOA server(s) and corresponding partitions to which you want to deploy this archive.

	SOA Server:	Partition:	Status:	Server URL:
☑	soa_server1	default	RUNNING	http://ofss2221222.i...


File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Search
Applications
Application Servers
FCUBSORBusinessObjects
Projects
FCUBSORBusinessObjects
Compon...
Resources
No Components
Deploy FCUBSORBusinessObjects
Summary
Deployment Action
Deploy Configuration
Select Server
SOA Servers
Summary
Help
< Back
Next >
Finish
Cancel
Application Resources
Data Controls
Recent Files
Simulations
Documentation
Business Rules - Log
Build - Issues

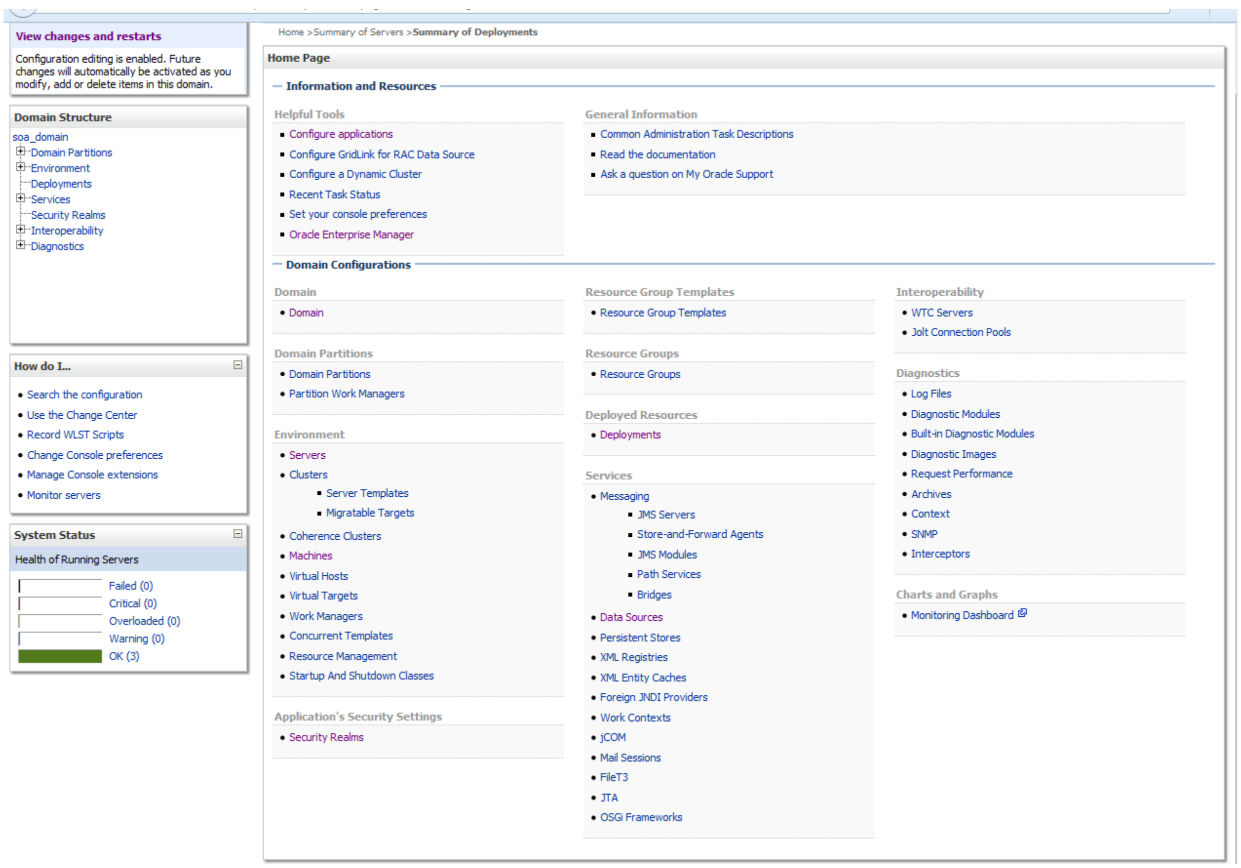
Deployment Summary:

- JEE Module
  - Application Name: null
  - Module Type: ear
- SOA Deployment Summary
  - Global Configuration Plan: none
  - Mark Composite Revision as Default: Yes
  - Overwrite Existing Composites: No
  - Shared Metadata: No
  - SOA Bundle: FCUBSORBusinessObjects.zip
- SOA Server Target(s)
  - SOA Server: soa_server1
- Weblogic Options
  - Overwrite modules: Yes
  - Deploy to all server instances: No
  - Shared Library : No

- Review the deployment log to see successfully deployed message as below

9. Deployment and configuration of Oracle BAM Reports

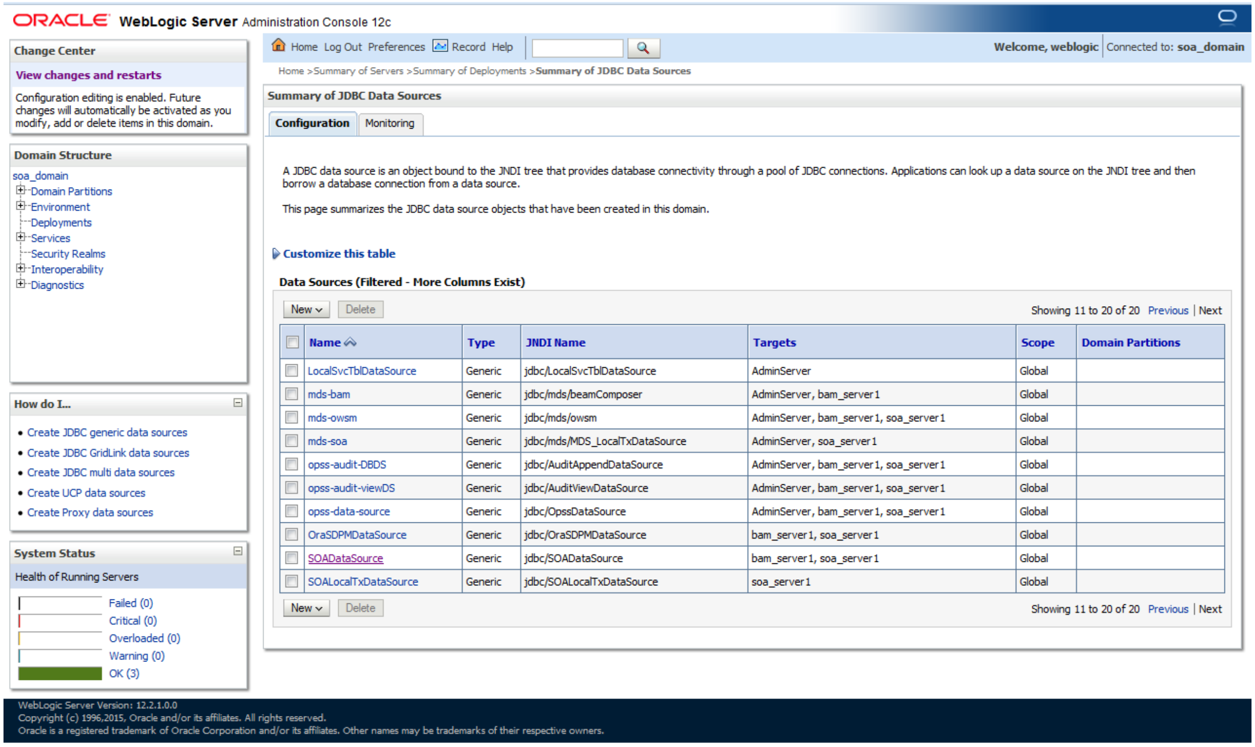
1) Login to console http://hostname:port/console
2) Click on Data sources.



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

View changes and restarts
Home >Summary of Servers >Summary of Deployments
Home Page
Information and Resources
Helpful Tools
Configure applications
Configure GridLink for RAC Data Source
Configure a Dynamic Cluster
Recent Task Status
Set your console preferences
Oracle Enterprise Manager
General Information
Common Administration Task Descriptions
Read the documentation
Ask a question on My Oracle Support
Domain Structure
soa_domain
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics
Domain Configurations
Domain
Domain
Domain Partitions
Domain Partitions
Partition Work Managers
Environment
Servers
Clusters
Server Templates
Migratable Targets
Coherence Clusters
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
Resource Management
Startup And Shutdown Classes
Application's Security Settings
Security Realms
Resource Group Templates
Resource Group Templates
Resource Groups
Resource Groups
Deployed Resources
Deployments
Services
Messaging
JMS Servers
Store-and-Forward Agents
JMS Modules
Path Services
Bridges
Data Sources
Persistent Stores
XML Registries
XML Entity Caches
Foreign JNDI Providers
Work Contexts
jCOM
Mail Sessions
FileT3
JTA
OSGi Frameworks
Interoperability
WTC Servers
Jolt Connection Pools
Diagnostics
Log Files
Diagnostic Modules
Built-in Diagnostic Modules
Diagnostic Images
Request Performance
Archives
Context
SNMP
Interceptors
Charts and Graphs
Monitoring Dashboard
How do I...
Search the configuration
Use the Change Center
Record WLST Scripts
Change Console preferences
Manage Console extensions
Monitor servers
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)

3) Click on the SOAData source.



ORACLE WebLogic Server Administration Console 12c
Home Log Out Preferences Record Help

Welcome, weblogic | Connected to: **soa_domain**

Home >Summary of Servers >Summary of Deployments >**Summary of JDBC Data Sources**

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

- soa_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 (3)

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.

Data Sources (Filtered - More Columns Exist)

Showing 11 to 20 of 20 Previous | Next

☐	Name	Type	JNDI Name	Targets	Scope	Domain Partitions
☐	LocalSvcTblDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
☐	mds-bam	Generic	jdbc/mds/beamComposer	AdminServer, bam_server1	Global	
☐	mds-owsm	Generic	jdbc/mds/owsm	AdminServer, bam_server1, soa_server1	Global	
☐	mds-soa	Generic	jdbc/mds/MDS_LocalTxDataSource	AdminServer, soa_server1	Global	
☐	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bam_server1, soa_server1	Global	
☐	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bam_server1, soa_server1	Global	
☐	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bam_server1, soa_server1	Global	
☐	OraSDPMDataSource	Generic	jdbc/OraSDPMDataSource	bam_server1, soa_server1	Global	
☐	SOADataSource	Generic	jdbc/SOADataSource	bam_server1, soa_server1	Global	
☐	SOALocalTxDataSource	Generic	jdbc/SOALocalTxDataSource	soa_server1	Global	

Showing 11 to 20 of 20 Previous | Next

WebLogic Server Version: 12.2.1.0.0
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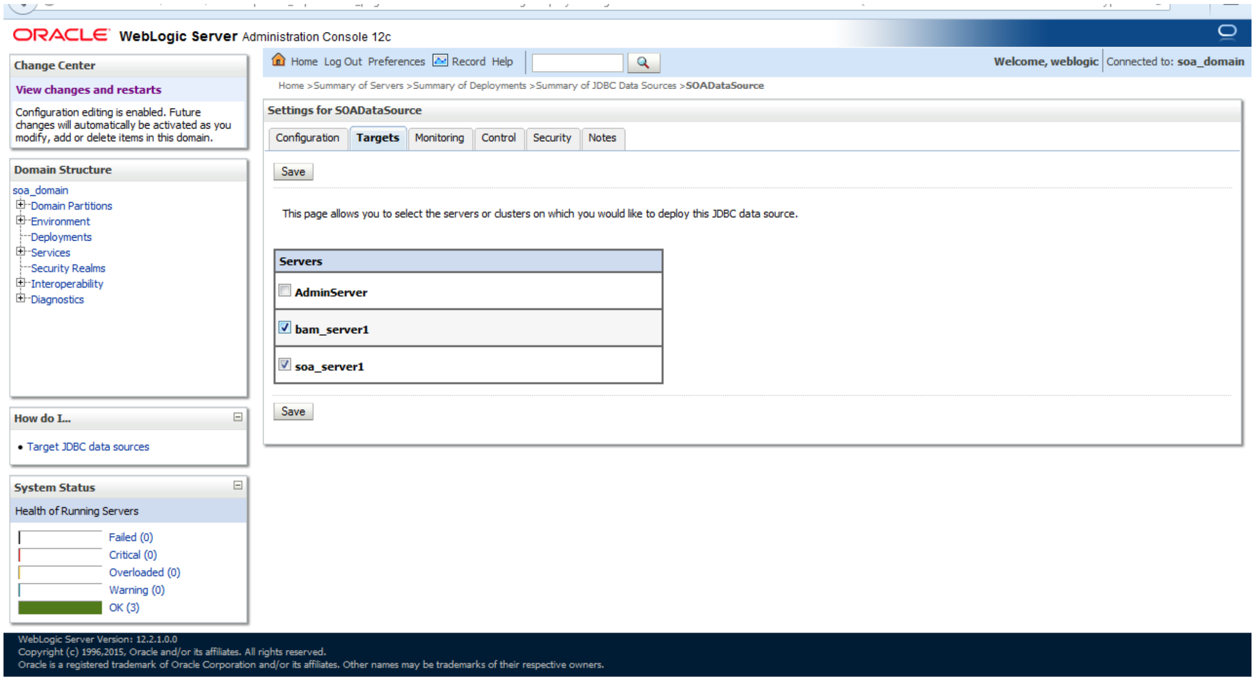
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

4) Click on Target tabs→Select bam_server check box→Click Save


ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Home Log Out Preferences Record Help
Welcome, weblogic | Connected to: soa_domain
Home >Summary of Servers >Summary of Deployments >Summary of JDBC Data Sources >SOADataSource
Domain Structure
soa_domain
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics
How do I...
Target JDBC data sources
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)
Configuration
Targets
Monitoring
Control
Security
Notes
Save

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

Settings for SOADataSource

This page allows you to select the servers or clusters on which you would like to deploy this JDBC data source.

Servers
☐ AdminServer
☑ bam_server1
☑ soa_server1

WebLogic Server Version: 12.2.1.0.0
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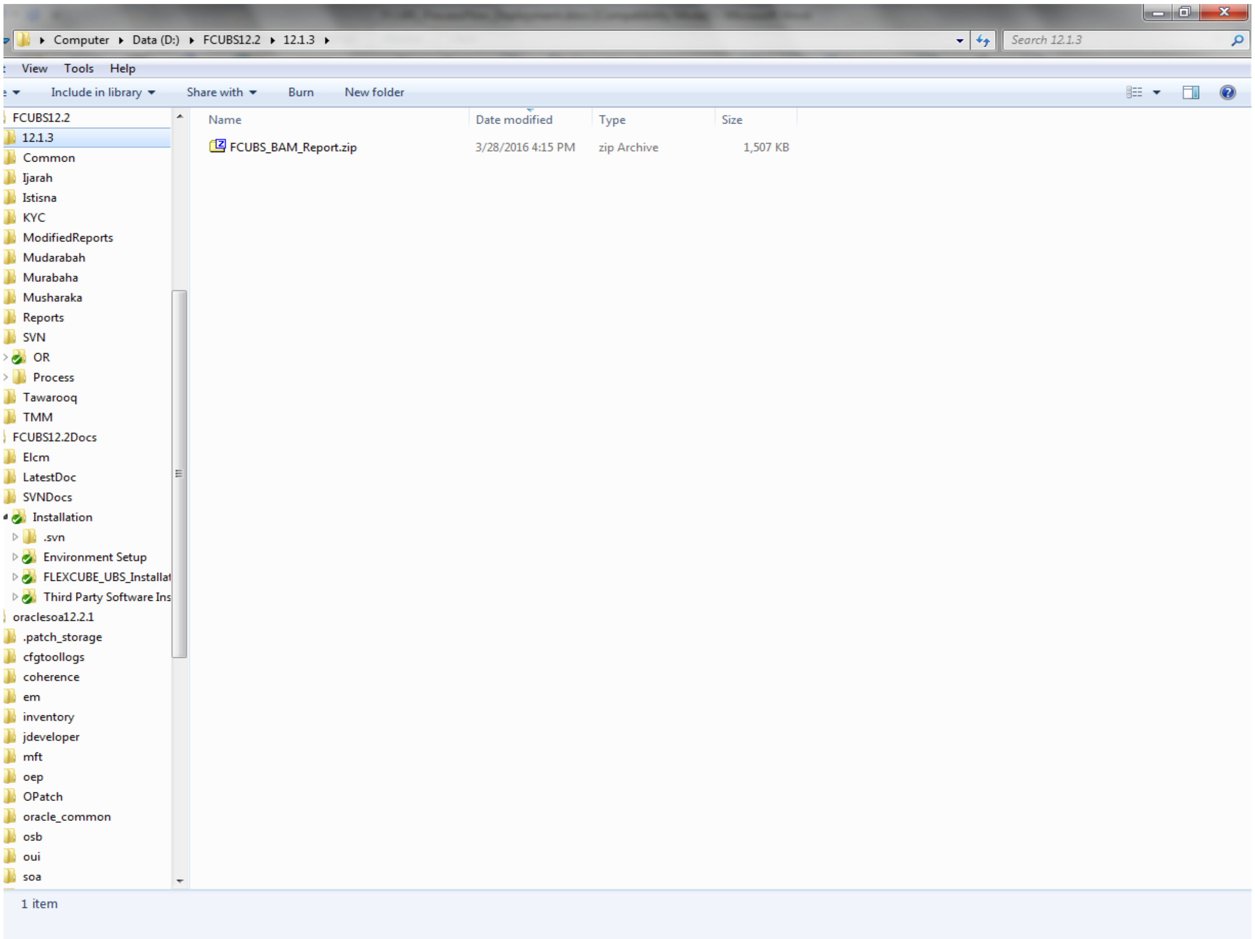
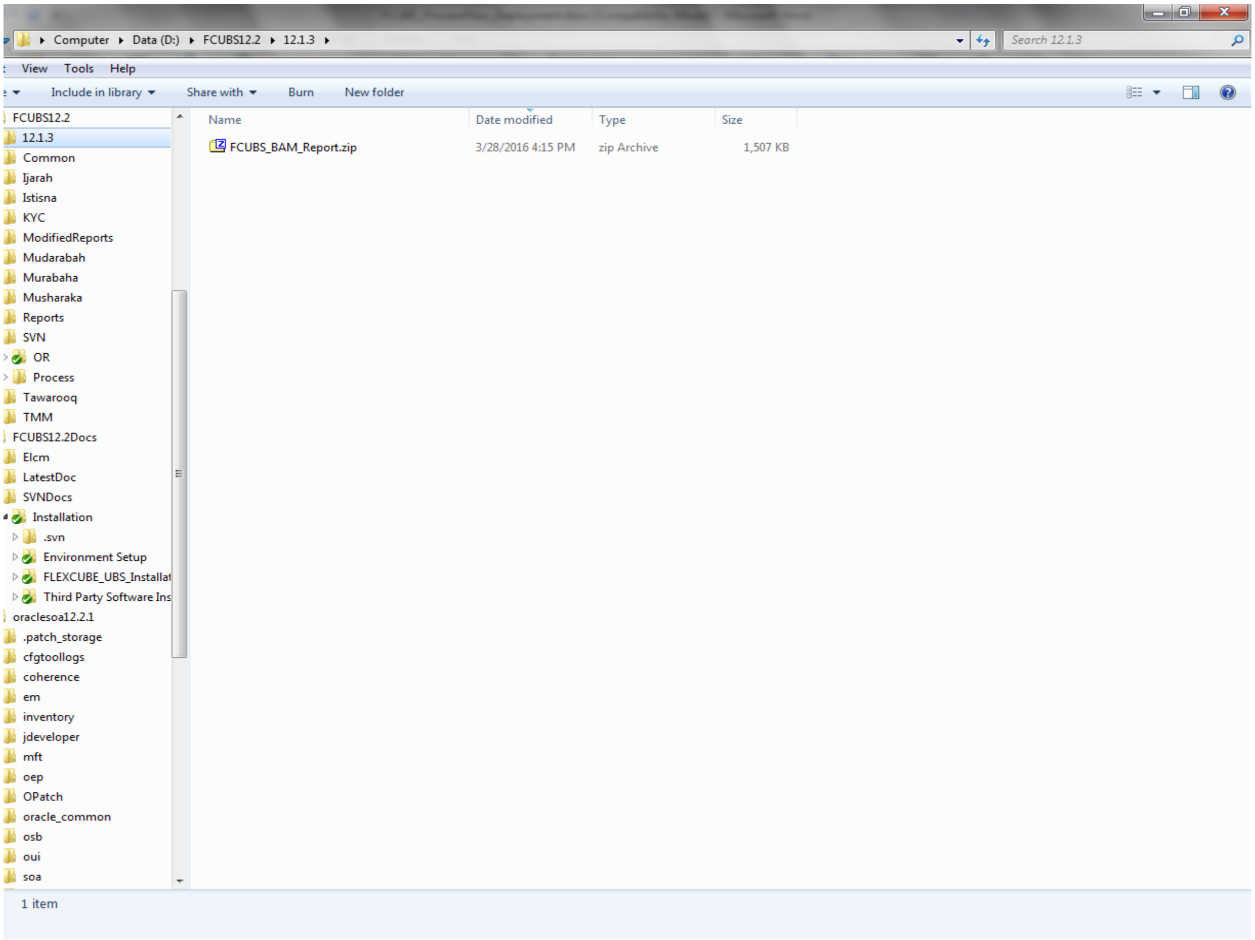
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

5) Copy the FCUBS_BAM_Report.zip project from SVN **(/SOFT/MAIN/OR/Process_infra/Reports/BAM**) to your local system.


Computer ▸ Data (D:) ▸ FCUBS12.2 ▸ 12.1.3 ▸
Search 12.1.3
View
Tools
Help
Include in library ▾
Share with ▾
Burn
New folder
FCUBS12.2
12.1.3
Common
Ijarah
Istisna
KYC
ModifiedReports
Mudarabah
Murabaha
Musharaka
Reports
SVN
OR
Process
Tawarooq
TMM
FCUBS12.2Docs
Elcm
LatestDoc
SVNDocs
Installation
.svn
Environment Setup
FLEXCUBE_UBS_Installat
Third Party Software Ins
oraclesoa12.2.1
.patch_storage
cfgtoollogs
coherence
em
inventory
jdeveloper
mft
oep
OPatch
oracle_common
osb
oui
soa
1 item

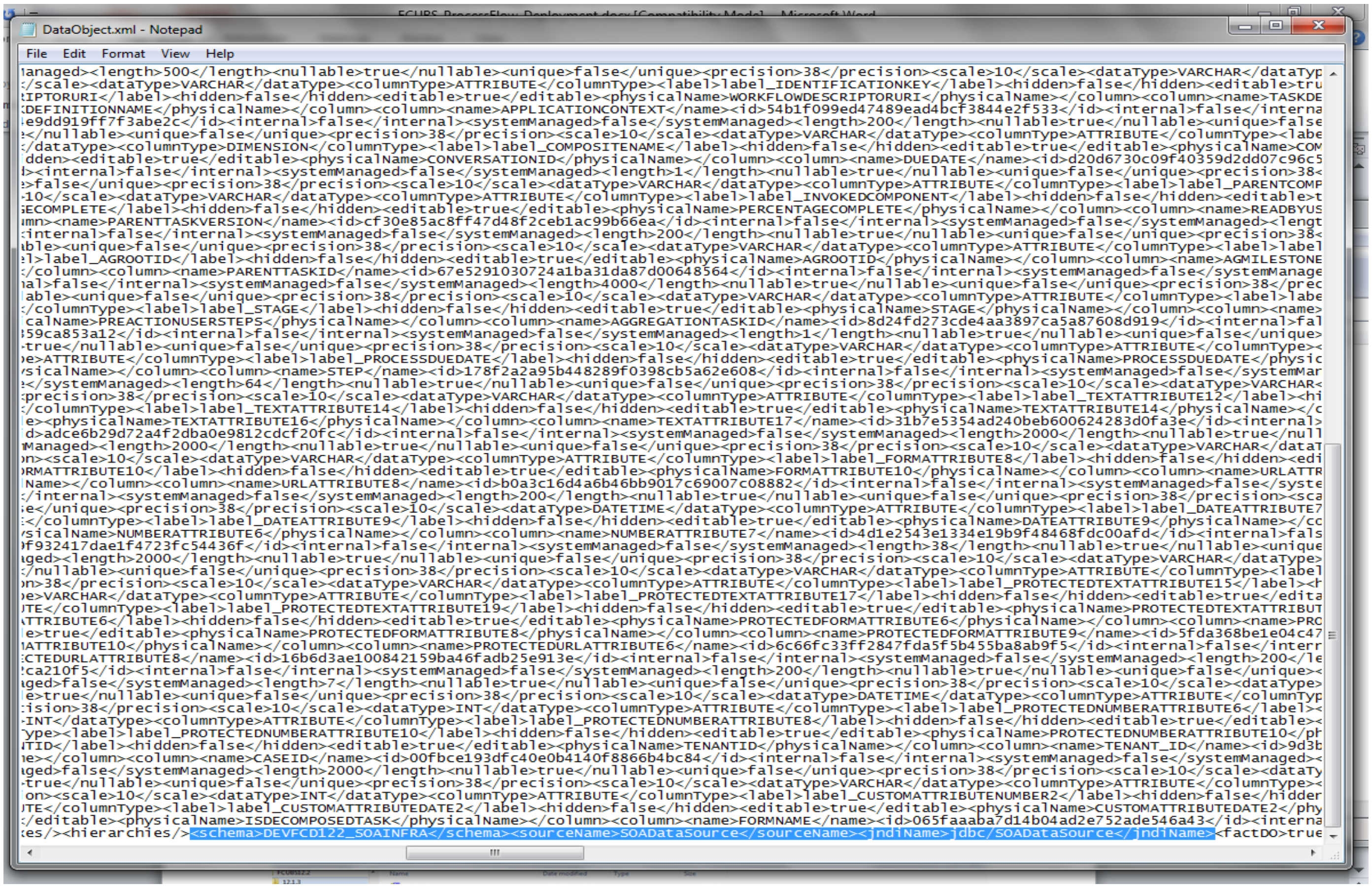
Name	Date modified	Type	Size
FCUBS_BAM_Report.zip	3/28/2016 4:15 PM	zip Archive	1,507 KB

6) Open the FCUBS_BAM_Report.zip →Dataobject →Update the Schema element with the SOA_INFRA schema name for Wftask_Different_Stages.xml, CUBE_INSTANCE.xml,FCUBSDATAOBJECTS.xml files .



Computer ▸ Data (D:) ▸ FCUBS12.2 ▸ 12.1.3 ▸
Search 12.1.3
View
Tools
Help
Include in library
Share with
Burn
New folder
FCUBS12.2
12.1.3
Common
Ijarah
Istisna
KYC
ModifiedReports
Mudarabah
Murabaha
Musharaka
Reports
SVN
OR
Process
Tawarooq
TMM
FCUBS12.2Docs
Elcm
LatestDoc
SVNDocs
Installation
.svn
Environment Setup
FLEXCUBE_UBS_Installat
Third Party Software Ins
oraclesoa12.2.1
.patch_storage
cfgtoollogs
coherence
em
inventory
jdeveloper
mft
oep
OPatch
oracle_common
osb
oui
soa
1 item

Name	Date modified	Type	Size
FCUBS_BAM_Report.zip	3/28/2016 4:15 PM	zip Archive	1,507 KB



```
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mn><name>PARENTTASKVERSION</name><id>cf30e85ac8ff47d48f2ceb1ac99b66ea</id><internal>false</internal><systemManaged>false</systemManaged><lengt
internal>false</internal><systemManaged>false</systemManaged><length>200</length><nullable>true</nullable><unique>false</unique><precision>38<
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able><unique>false</unique><precision>38</precision><scale>10</scale><dataType>VARCHAR</dataType><columnType>ATTRIBUTE</columnType><label>labe
/columnType><label>label_STAGE</label><hidden>false</hidden><editable>true</editable><physicalName>STAGE</physicalName></column><column><name>
calName>PREACTIONUSERSTEPS</physicalName></column><column><name>AGGREGATIONTASKID</name><id>8d24fd273cde4aa3897ca5a87608d919</id><internal>fal
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RMATTRIBUTE10</label><hidden>false</hidden><editable>true</editable><physicalName>FORMATTRIBUTE10</physicalName></column><column><name>URLATTR
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TTRIBUTE6</label><hidden>false</hidden><editable>true</editable><physicalName>PROTECTEDFORMATTRIBUTE6</physicalName></column><column><name>PRO
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ATTRIBUTE10</physicalName></column><column><name>PROTECTEDURLATTRIBUTE6</name><id>6c66fc33ff2847fda5f5b455ba8ab9f5</id><internal>false</inter
CTEDURLATTRIBUTE8</name><id>16b6d3ae100842159ba46fadb25e913e</id><internal>false</internal><systemManaged>false</systemManaged><length>200</le
ca210f5</id><internal>false</internal><systemManaged>false</systemManaged><length>200</length><nullable>true</nullable><unique>false</unique><
ged>false</systemManaged><length>7</length><nullable>true</nullable><unique>false</unique><precision>38</precision><scale>10</scale><dataType>
e>true</nullable><unique>false</unique><precision>38</precision><scale>10</scale><dataType>DATETIME</dataType><columnType>ATTRIBUTE</columnTyp
ision>38</precision><scale>10</scale><dataType>INT</dataType><columnType>ATTRIBUTE</columnType><label>label_PROTECTEDNUMBERATTRIBUTE6</label><
INT</dataType><columnType>ATTRIBUTE</columnType><label>label_PROTECTEDNUMBERATTRIBUTE8</label><hidden>false</hidden><editable>true</editable><
ype><label>label_PROTECTEDNUMBERATTRIBUTE10</label><hidden>false</hidden><editable>true</editable><physicalName>PROTECTEDNUMBERATTRIBUTE10</ph
TID</label><hidden>false</hidden><editable>true</editable><physicalName>TENANTID</physicalName></column><column><name>TENANT_ID</name><id>9d3b
e></column><column><name>CASEID</name><id>00fbce193dfc40e0b4140f8866b4bc84</id><internal>false</internal><systemManaged>false</systemManaged><
ged>false</systemManaged><length>2000</length><nullable>true</nullable><unique>false</unique><precision>38</precision><scale>10</scale><dataTy
true</nullable><unique>false</unique><precision>38</precision><scale>10</scale><dataType>VARCHAR</dataType><columnType>ATTRIBUTE</columnType><
on><scale>10</scale><dataType>INT</dataType><columnType>ATTRIBUTE</columnType><label>label_CUSTOMATTRIBUTENUMBER2</label><hidden>false</hidden
TE</columnType><label>label_CUSTOMATTRIBUTEDATE2</label><hidden>false</hidden><editable>true</editable><physicalName>CUSTOMATTRIBUTEDATE2</phy
/editable><physicalName>ISDECOMPOSEDTASK</physicalName></column><column><name>FORMNAME</name><id>065faaaba7d14b04ad2e752ade546a43</id><interna
es/><hierarchies/><schema>DEVFCD122_SOAINFRA</schema><sourceName>SOADataSource</sourceName><jndiName>jdbc/SOADataSource</jndiName><factDO>true
```
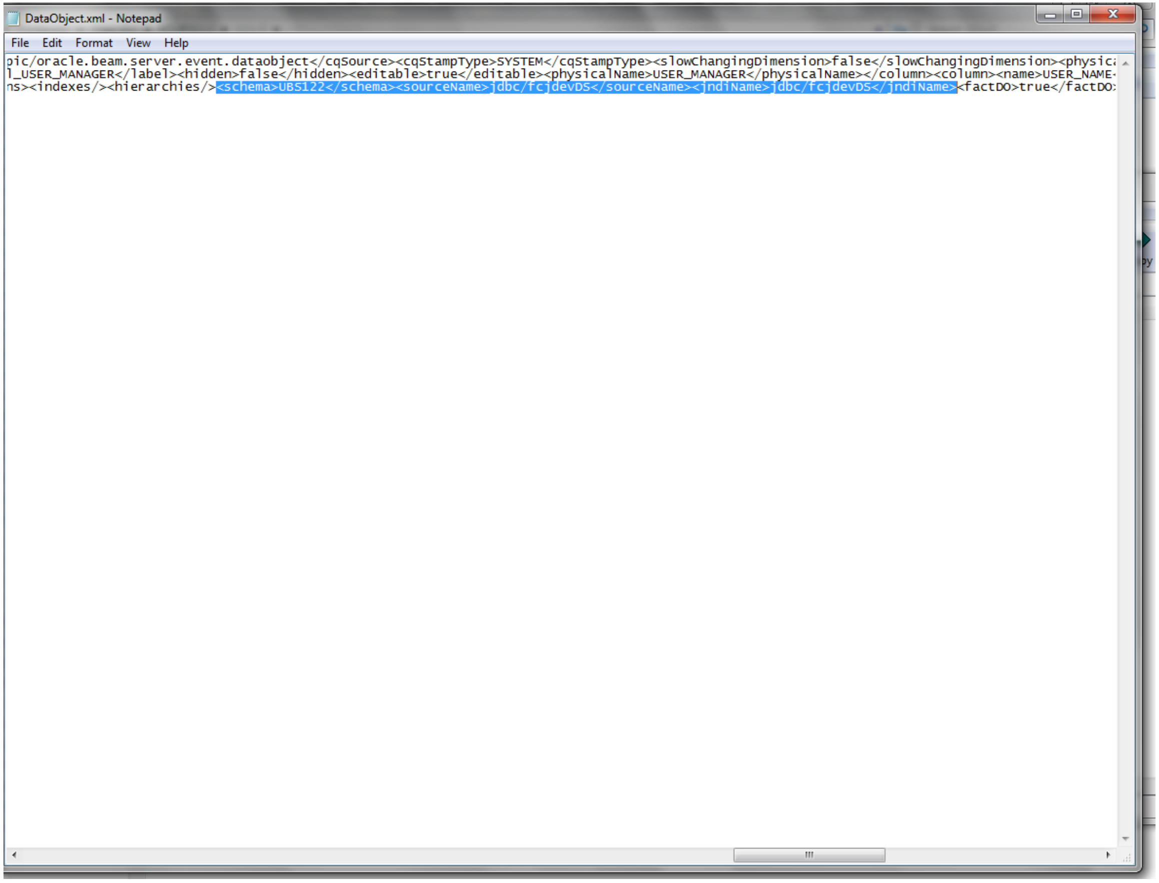
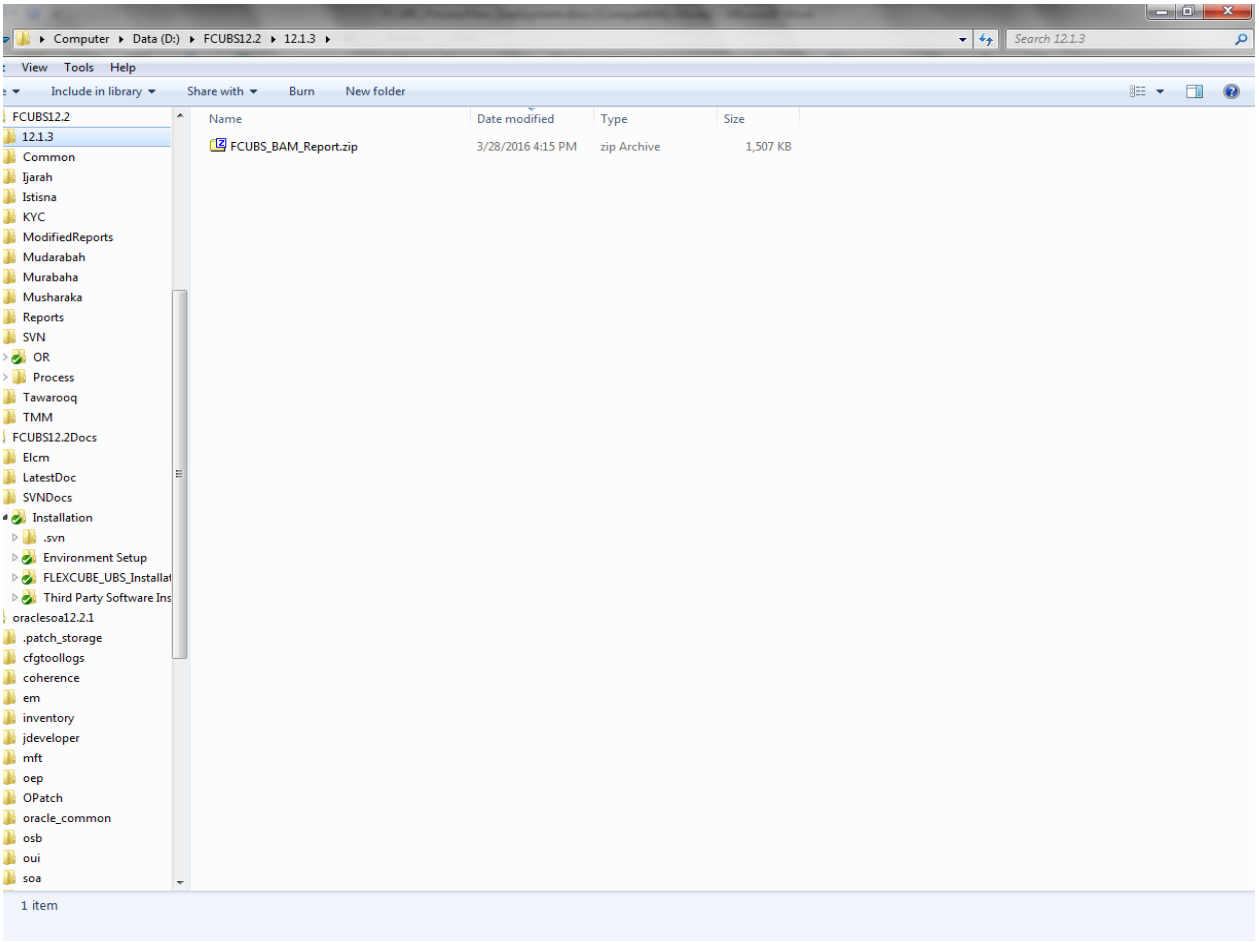

7) Open the FCUBS_BAM_Report.zip →Dataobject →Update the Schema element with the FCUBS schema name for SMTB_USER_TYPE_CONVERSION_VIEW.xml, ORVW_TRACK_EXPOSURE.xml, ORVW_FACILITY_EXPOSURE.xml, GetUtilsDB.xml files.



DataObject.xml - Notepad
File Edit Format View Help

```
pic/oracle.beam.server.event.dataobject</cqSource><cqStampType>SYSTEM</cqStampType><slowChangingDimension>false</slowChangingDimension><physica
l_USER_MANAGER</label><hidden>false</hidden><editable>true</editable><physicalName>USER_MANAGER</physicalName></column><column><name>USER_NAME
ns><indexes/><hierarchies/><schema>UBS122</schema><sourceName>jdbc/fcjdevDS</sourceName><jndiName>jdbc/fcjdevDS</jndiName><factDO>true</factDO
```

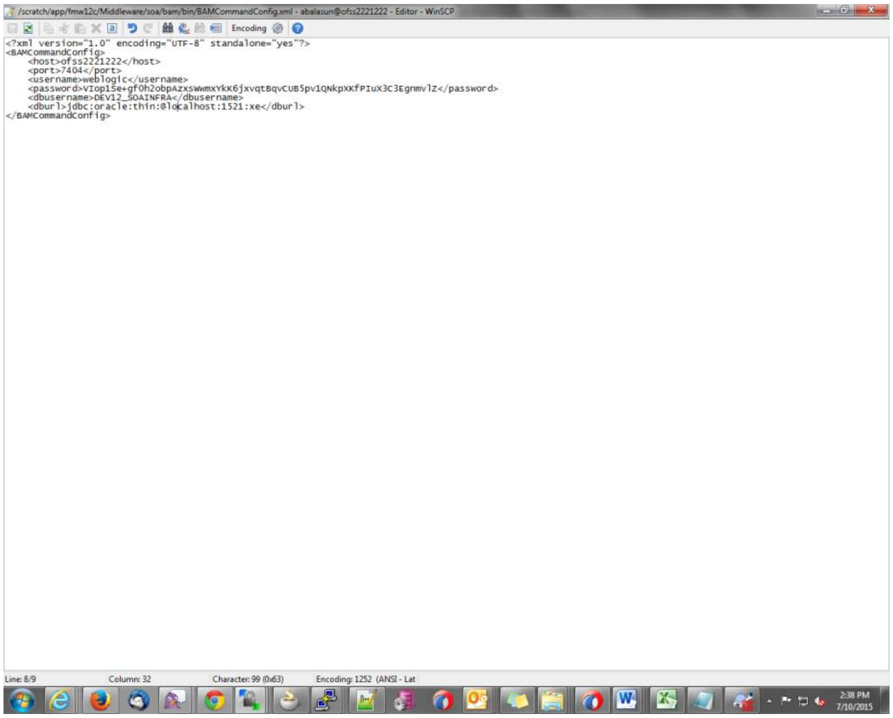
8) Move the BAM Project Unit (.Zip) Local to server location.


Computer ▸ Data (D:) ▸ FCUBS12.2 ▸ 12.1.3 ▸
Search 12.1.3
View Tools Help
Include in library ▾ Share with ▾ Burn New folder
FCUBS12.2
12.1.3
Common
Ijarah
Istisna
KYC
ModifiedReports
Mudarabah
Murabaha
Musharaka
Reports
SVN
OR
Process
Tawarooq
TMM
FCUBS12.2Docs
Elcm
LatestDoc
SVNDocs
Installation
.svn
Environment Setup
FLEXCUBE_UBS_Installat
Third Party Software Ins
oraclesoa12.2.1
.patch_storage
cfgtoollogs
coherence
em
inventory
jdeveloper
mft
oep
OPatch
oracle_common
osb
oui
soa
1 item

Name	Date modified	Type	Size
FCUBS_BAM_Report.zip	3/28/2016 4:15 PM	zip Archive	1,507 KB

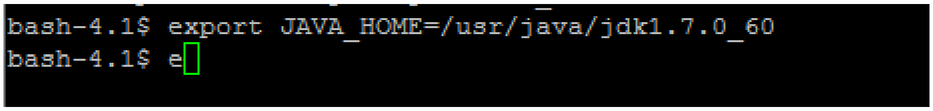
9) Configure the BAM server location ,port username and password in BAMCommandConfig.xml. It is available in MIDDLEWARE_HOME\soa\bam\bin\BAMCommandConfig.xml

EX:


/scratch/app/fmw12c/Middleware/soa/bam/bin/BAMCommandConfig.xml - abalasun@ofss2221222 - Editor - WinSCP
Encoding
Line: 8/9
Column: 32
Character: 99 (0x63)
Encoding: 1252 (ANSI - Lat
2:38 PM
7/10/2015

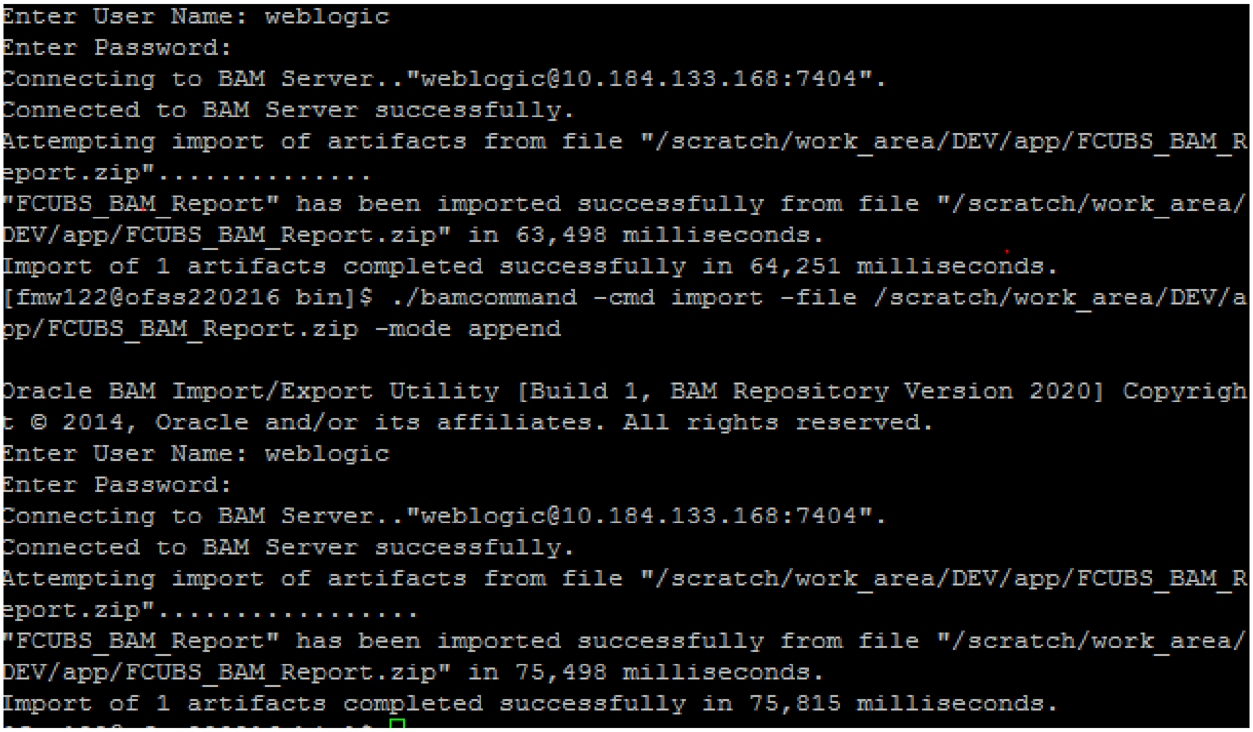
```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<BAMCommandConfig>
    <host>ofss2221222</host>
    <port>7404</port>
    <username>weblogic</username>
    <password>VIop15e+gf0h2obpAzxsWwmxYkK6jxvqtBqvCUB5pv1QNkpXKfPIuX3C3Egnmvlz</password>
    <dbusername>DEV12_SOAINFRA</dbusername>
    <dburl>jdbc:oracle:thin:@localhost:1521:xe</dburl>
</BAMCommandConfig>
```

10) Set proper JAVA_HOME.



```
bash-4.1$ export JAVA_HOME=/usr/java/jdk1.7.0_60
bash-4.1$ e
```

11) Execute the Below BAM Command to import the Dash Board in to the server.
./bamcommand -cmd import -file /scratch/work_area/DEV/app/FCUBS_BAM_Report.zip -mode append
from the below path MIDDLEWARE_HOME\soa\bam\bin.



```
Enter User Name: weblogic
Enter Password:
Connecting to BAM Server.."weblogic@10.184.133.168:7404".
Connected to BAM Server successfully.
Attempting import of artifacts from file "/scratch/work_area/DEV/app/FCUBS_BAM_R
eport.zip"..............
"FCUBS_BAM_Report" has been imported successfully from file "/scratch/work_area/
DEV/app/FCUBS_BAM_Report.zip" in 63,498 milliseconds.
Import of 1 artifacts completed successfully in 64,251 milliseconds.
[fmw122@ofss220216 bin]$ ./bamcommand -cmd import -file /scratch/work_area/DEV/a
pp/FCUBS_BAM_Report.zip -mode append

Oracle BAM Import/Export Utility [Build 1, BAM Repository Version 2020] Copyrigh
t © 2014, Oracle and/or its affiliates. All rights reserved.
Enter User Name: weblogic
Enter Password:
Connecting to BAM Server.."weblogic@10.184.133.168:7404".
Connected to BAM Server successfully.
Attempting import of artifacts from file "/scratch/work_area/DEV/app/FCUBS_BAM_R
eport.zip".................
"FCUBS_BAM_Report" has been imported successfully from file "/scratch/work_area/
DEV/app/FCUBS_BAM_Report.zip" in 75,498 milliseconds.
Import of 1 artifacts completed successfully in 75,815 milliseconds.
```

FCUBS Process Flow Deployment
[May] [2019]
Version 14.3.0.0.0

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