

FCIS Process Flow Deployment Prerequisites for Oracle  
FLEXCUBE Installer  
Oracle FLEXCUBE Investor Servicing  
Release 14.6.0.0.0  
[May] [2022]



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# 1. Introduction

## 1.1 Background

This document provides detailed description on deploying FCIS 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 FCIS 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

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

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## 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. For instance, Oracle SOA suite – 12.1.3 + Oracle JDeveloper 12.1.3. 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>

## 3. Creating Application Server Connection

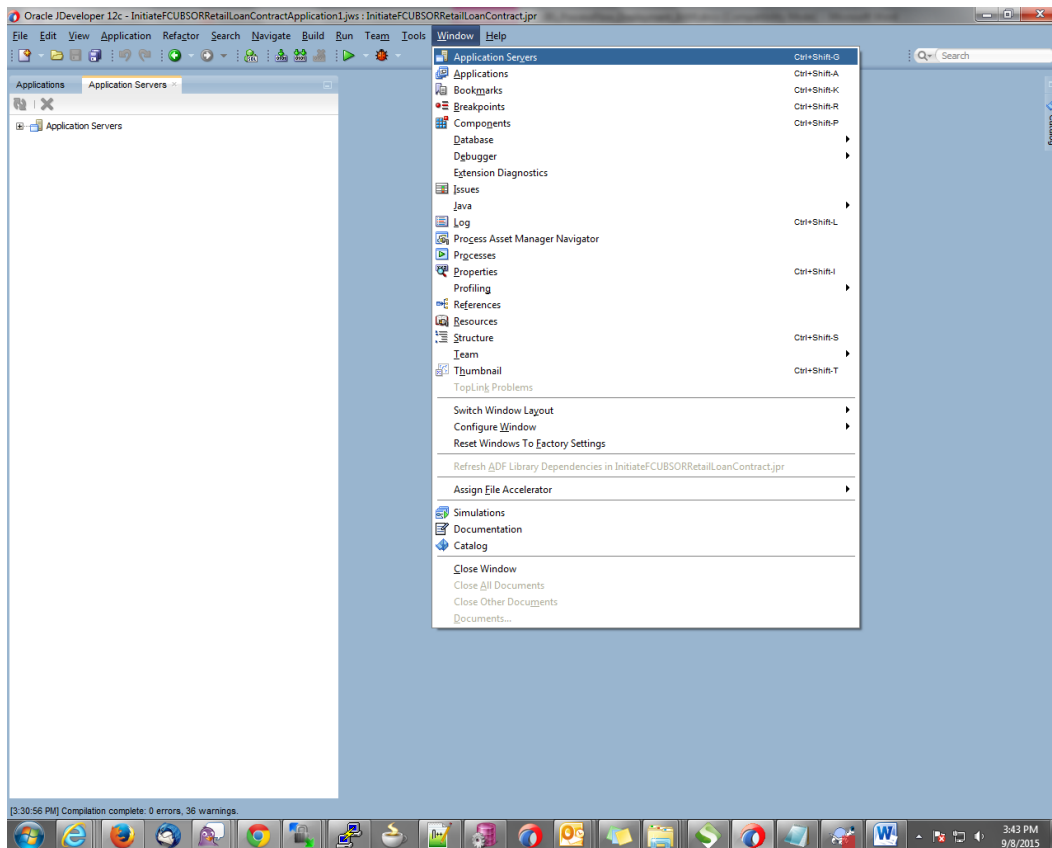
### 3.1 Introduction

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

### 3.2 Application Server Connection

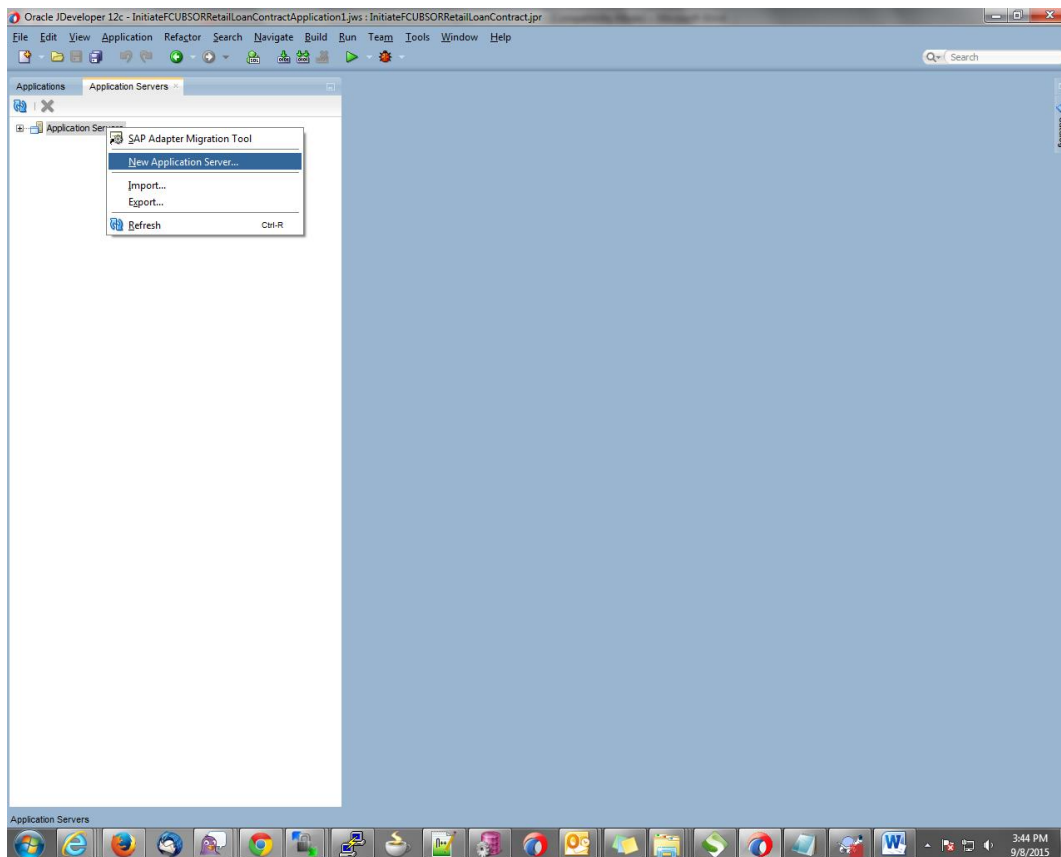
After JDeveloper has been updated with SOA extension, The IDE can be launched from 'Programs' menu or installation location.

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



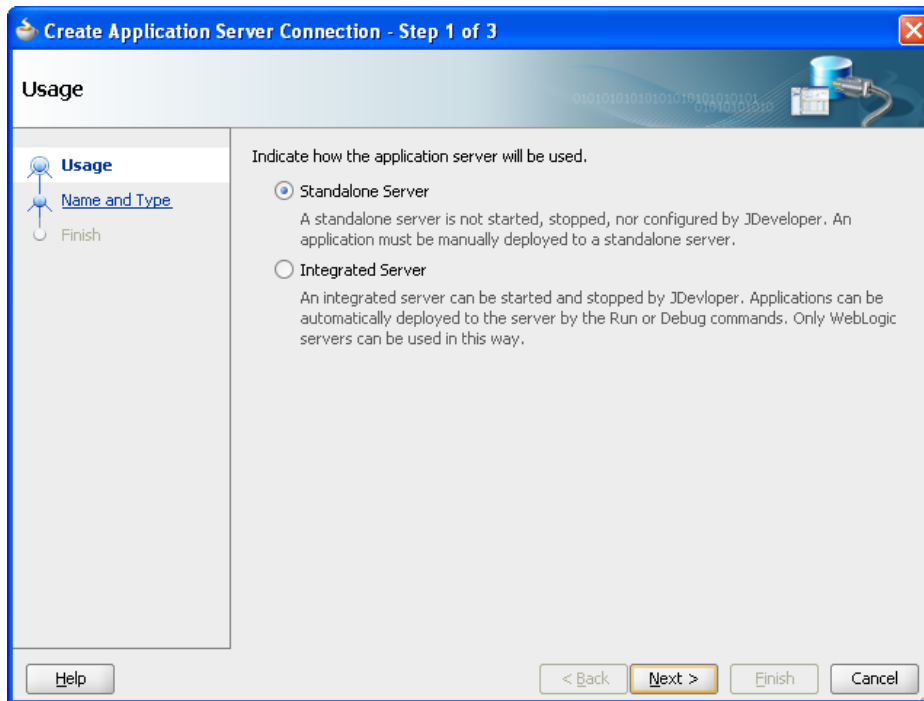
- To create a new WebLogic server connection
- Right click 'Application Servers'

- Click on → New Application Server

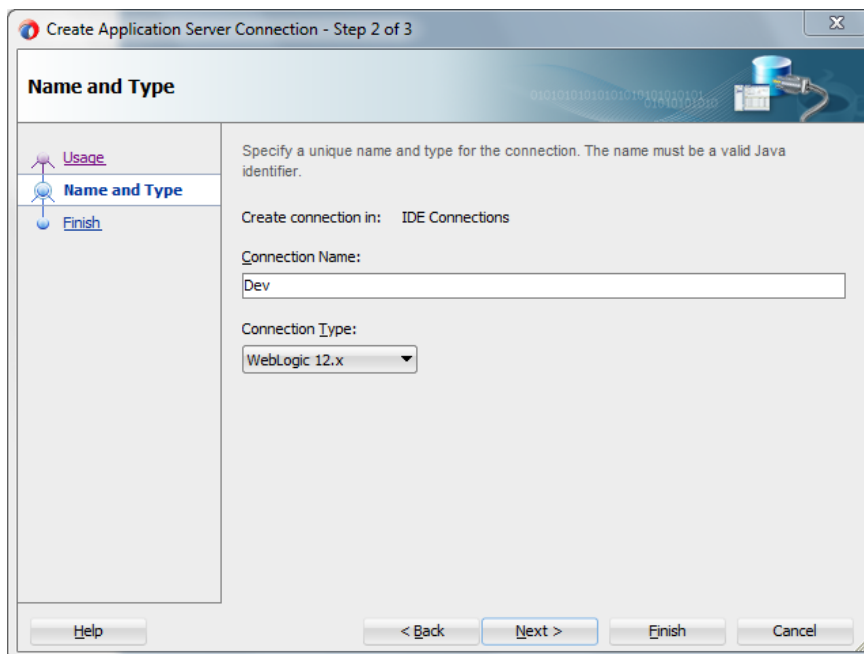


- The “Create Application Server Connection” wizard is launched as shown below.
- Select the Radio button “Standalone Server”

- Click “Next” to proceed with the configuration



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



- 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

Specify a username and password to authenticate the connection.

Username: weblogic

Password: .....

< Back Next > Finish Cancel

Help



- 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

The screenshot shows a Windows-style dialog box titled "Create Application Server Connection - Step 4 of 6". The main area is titled "Configuration". On the left, a vertical navigation pane shows steps: Usage, Name and Type, Authentication, Configuration (highlighted), Test, and Finish. The main content area contains the following text and fields:

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

WebLogic H<sub>o</sub>stname (Administration Server):

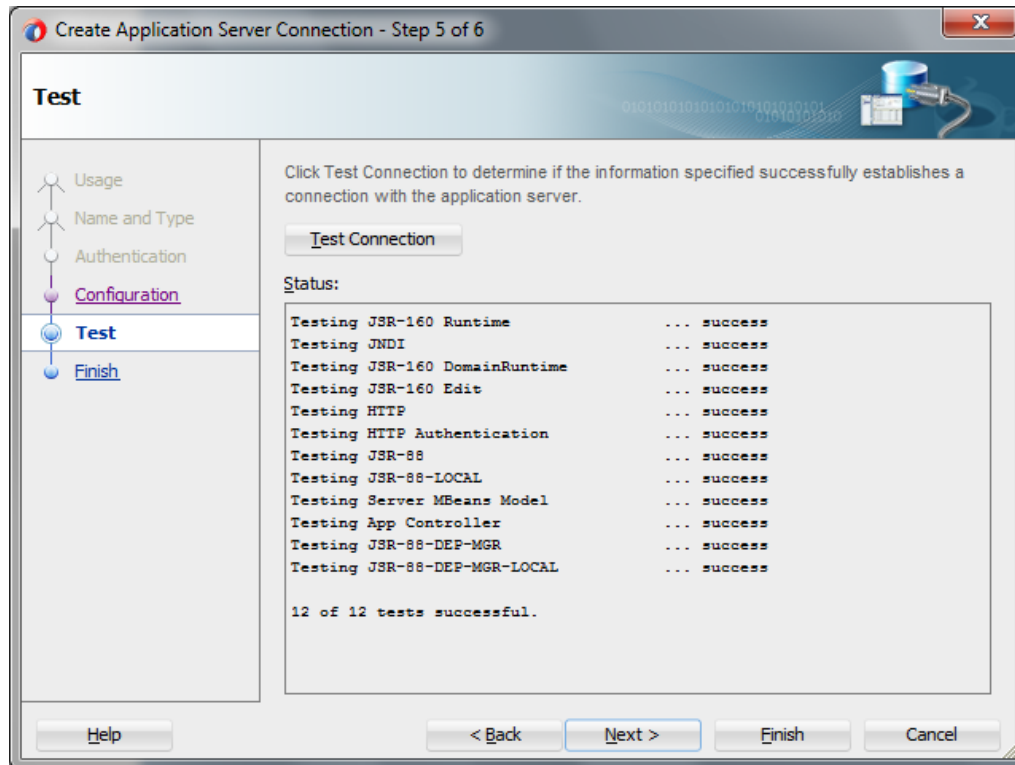
Port:  SSL Port:

☐ Always use SSL

WebLogic D<sub>o</sub>main:

At the bottom, there are four buttons: Help, < Back, Next > (highlighted), and Finish. A Cancel button is also present on the far right.

- 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



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## 4. Loading FCIS Process flows in Oracle JDeveloper

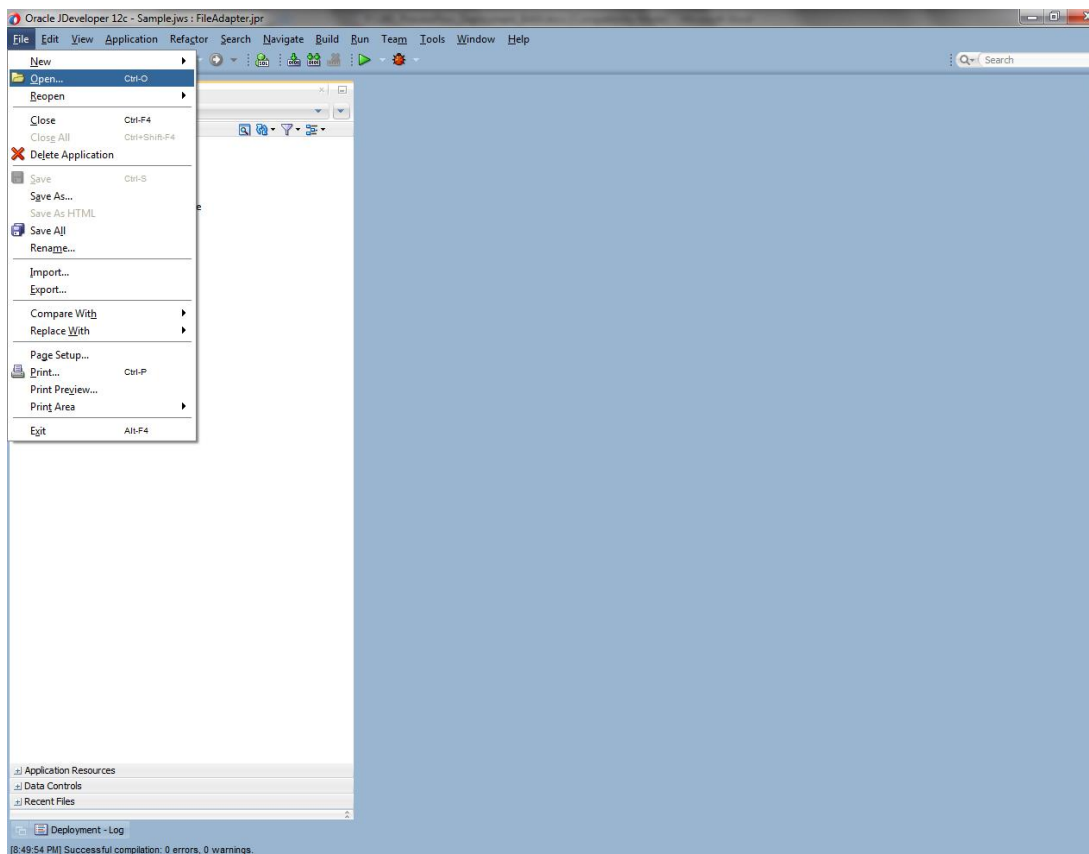
### 4.1 Introduction

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

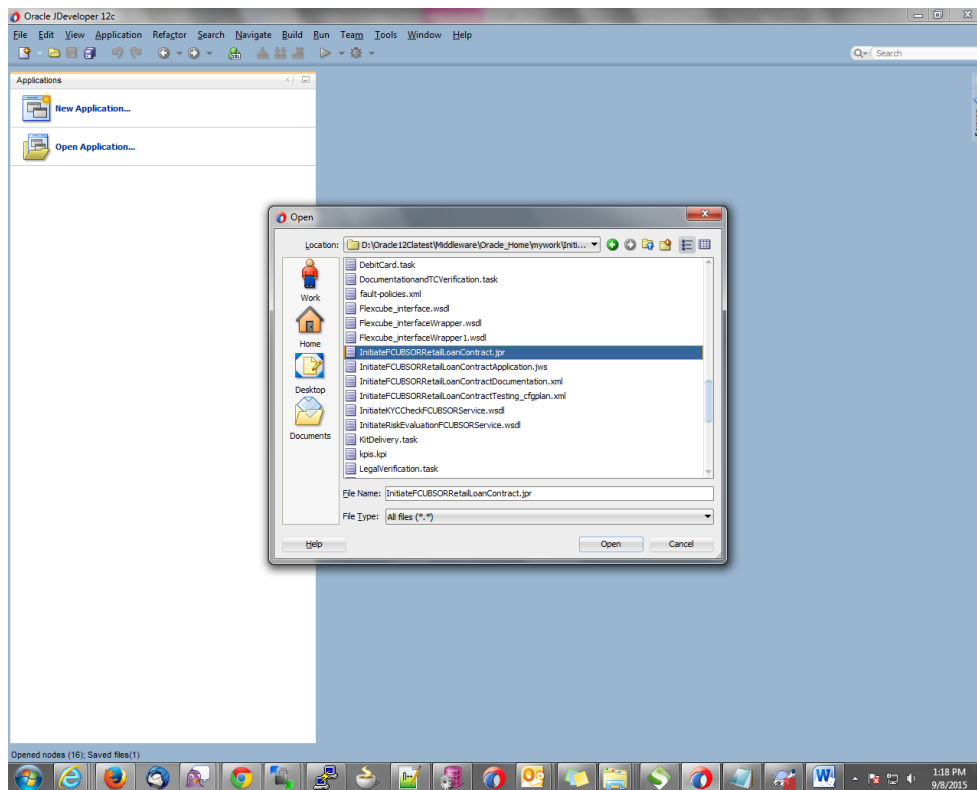
### 4.2 Loading the Process

After JDeveloper IDE is launched from 'Programs' menu or installation location

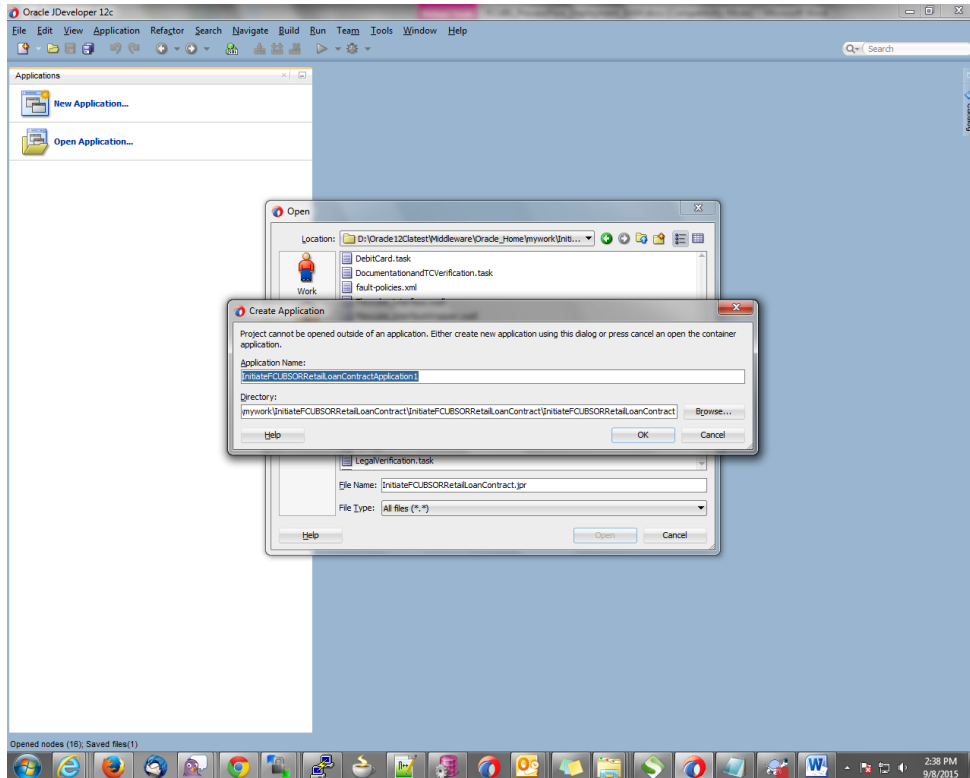
- Click on → File → Open



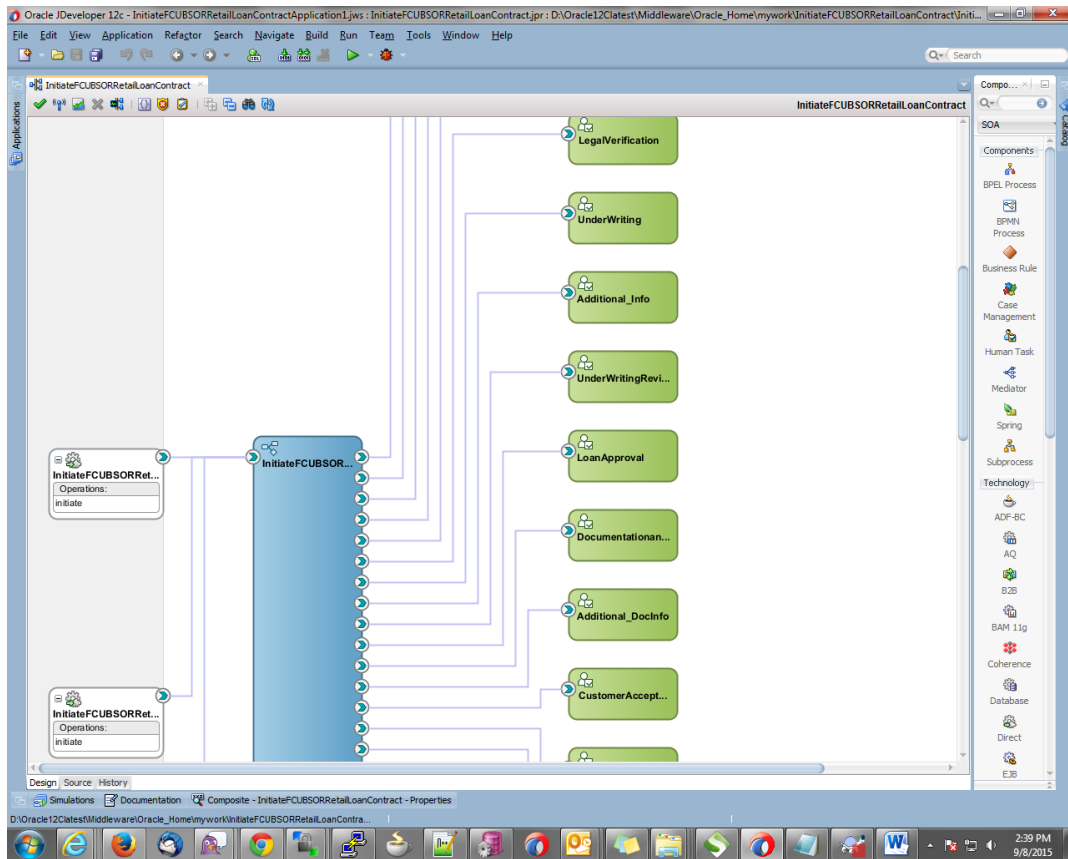
- Navigate to the folder where process flow is deployed
- Locate and select the “.jpr” file under the folder <process\_name>
- Click ‘Open’ to load the process flow in JDeveloper



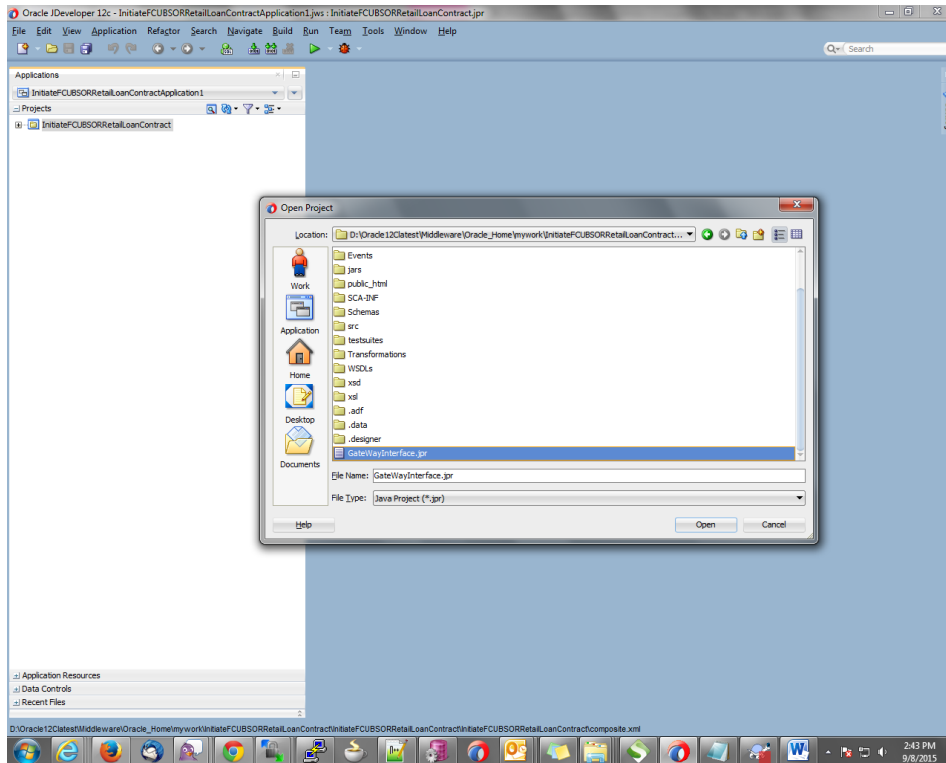
- If this is the first Process flow that is being loaded JDeveloper will prompt for an Application Name and Location where the application file will be stored
- Provide an application name and folder path for the same.
- Click in “Ok” to proceed with loading of the process flow.



- The process flow is loaded into JDeveloper and is displayed as given below
- Clicking on the “composite.xml” under “SOA Content” in Design mode will display the process flow as illustrated in the screen shot.



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



- 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). 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 wsd is required and click on Test.

The screenshot displays the Oracle Enterprise Manager Fusion Middleware Control interface. The left pane shows the 'Target Navigation' tree with 'soa-infra (soa\_server1)' expanded, listing various BPEL processes. The right pane shows the configuration for 'BIPUtility [1.0]'. The 'Test' button is highlighted in the top navigation bar. Below the 'Components' section, the 'Services and References' table is visible.

Name	Type	Usage	Total Messages	Average Processing Time (sec)
client	Web Service	Service	1	0.000
GetReportDetails	JCA Adapter	Reference	1	0.472
InsertReportDetails	JCA Adapter	Reference	0	0.000
FCDSmsService	Web Service	Reference	0	0.000



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

The screenshot displays the Oracle Enterprise Manager Fusion Middleware Control 12c interface. On the left, the 'Target Navigation' pane shows a tree view of SOA components, with 'BIPUtility [1.0]' selected. The main pane shows the 'Test Web Service' configuration for 'BIPUtility [1.0]'. The 'WSDL or WADL' field contains the URL 'http://ofss221222.in.oracle.com:7403/soa-infra/services/default/BIPUtility/client?WSDL'. The 'Service' is 'BIPUtility' and the 'Port' is 'BIPUtility'. The 'Operation' is set to 'initiate'. The 'Endpoint URL' is 'http://ofss221222.in.oracle.com:7403/soa-infra/services/default/BIPUtility/c'. The 'Security' section shows 'None' selected. The 'Quality of Service' section shows 'HTTP Header' and 'Additional Test Options'. The 'Input Arguments' section shows 'Tree View' selected, 'Enable Validation' checked, and 'Load Payload' button. The 'SOAP Body' section shows a table with columns 'Name', 'Type', and 'Value', containing a single row with 'payload' in the 'Name' column and 'payload' in the 'Value' column.

- [illegible]

## 5. Deployment Profile and Configuration Plan

### 5.1 Introduction

A deployment profile is automatically created for all FCIS 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.

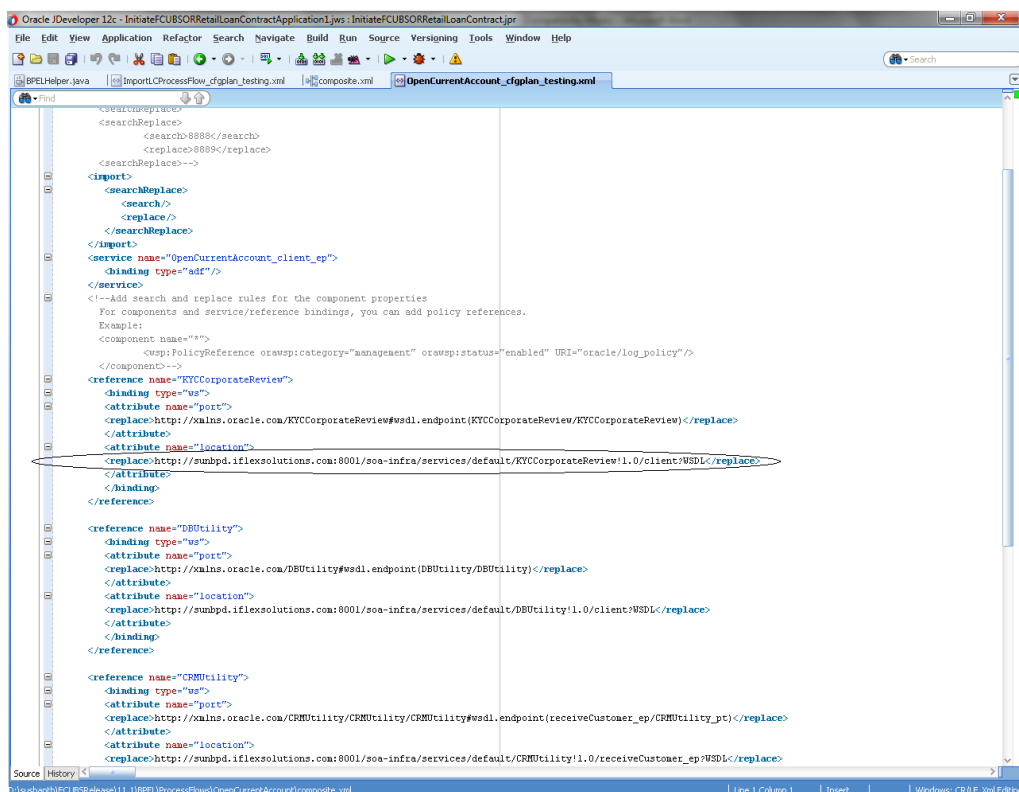
### 5.2 Updating Configuration Plan

All the FCIS 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 there are no replacement values that needs to be replaced in the project and that project can be deployed without any config plans.

<processflow\_name>\_cfgplan\_dev.xml

<processflow\_name>\_cfgplan\_testing.xml

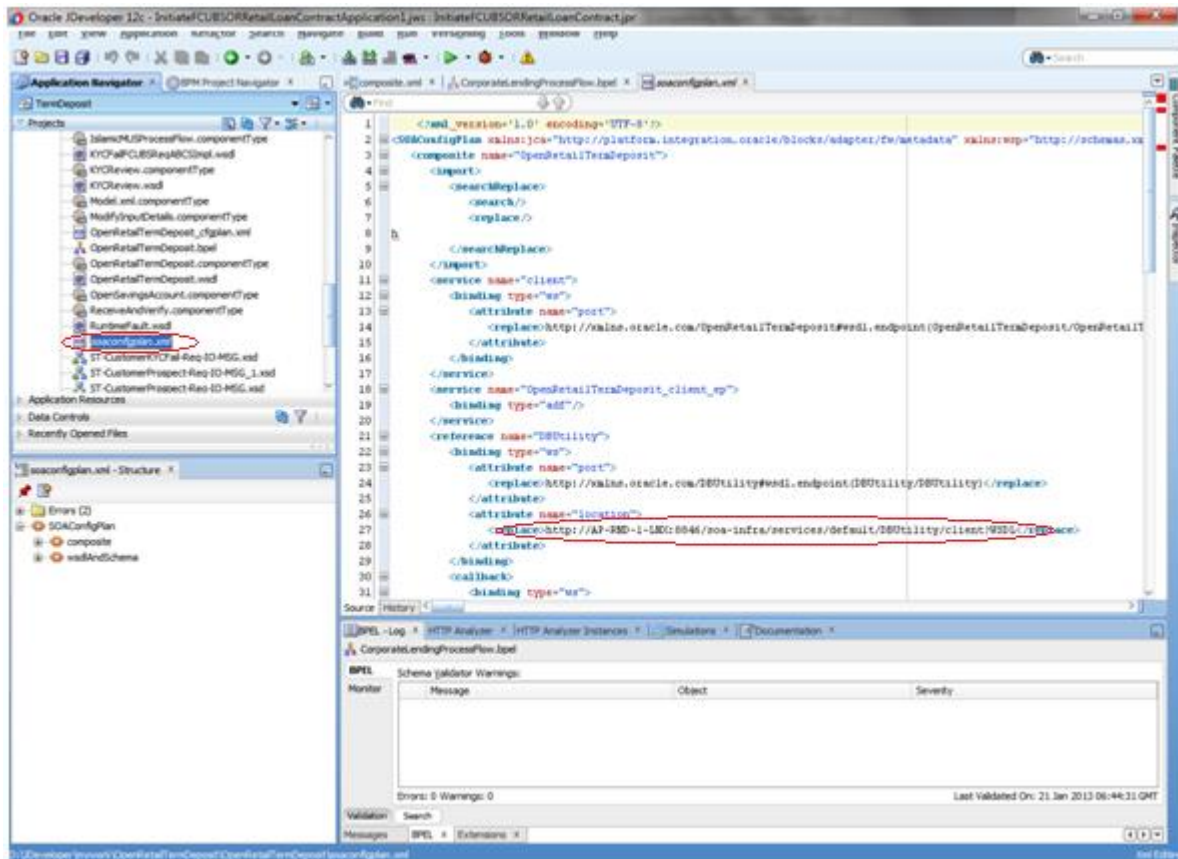
<processflow\_name>\_cfgplan\_production.xml



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

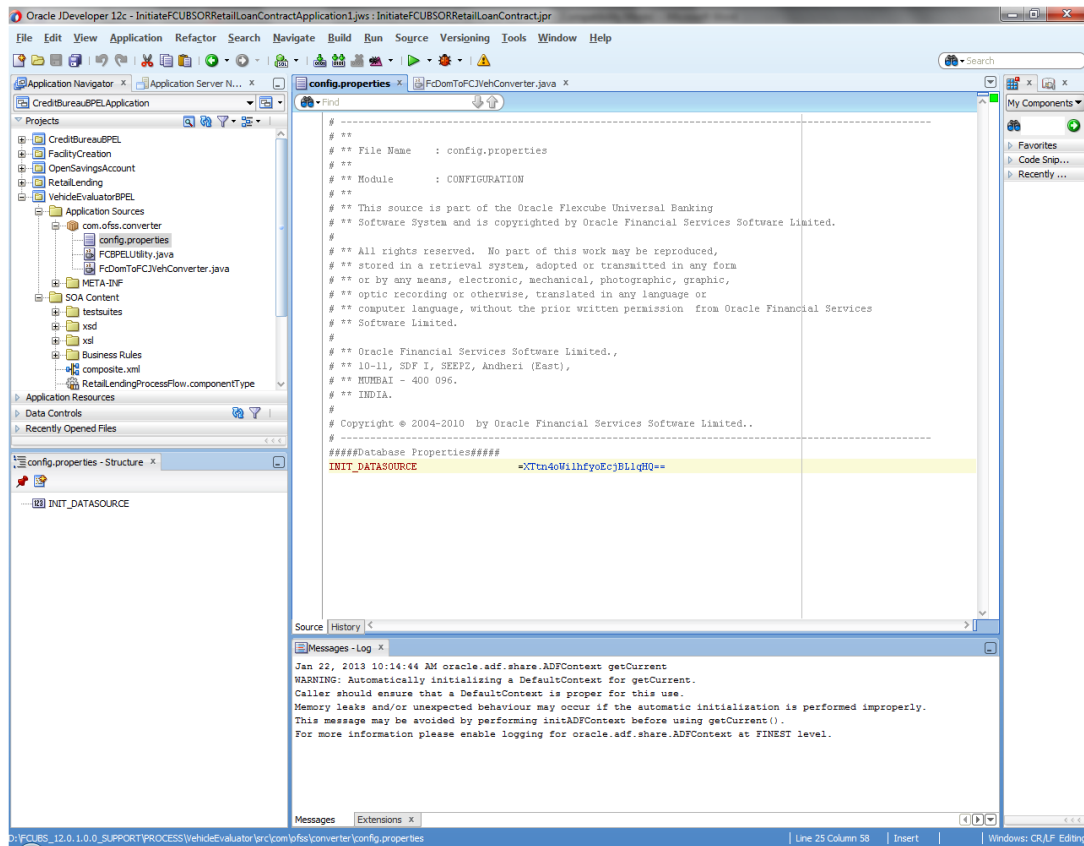


**The soaconfigplan.xml, if present in the project also have to be updated with the runtime wsdl location of the subprocesses since this will be referred by the process in runtime.**



## 5.3 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.



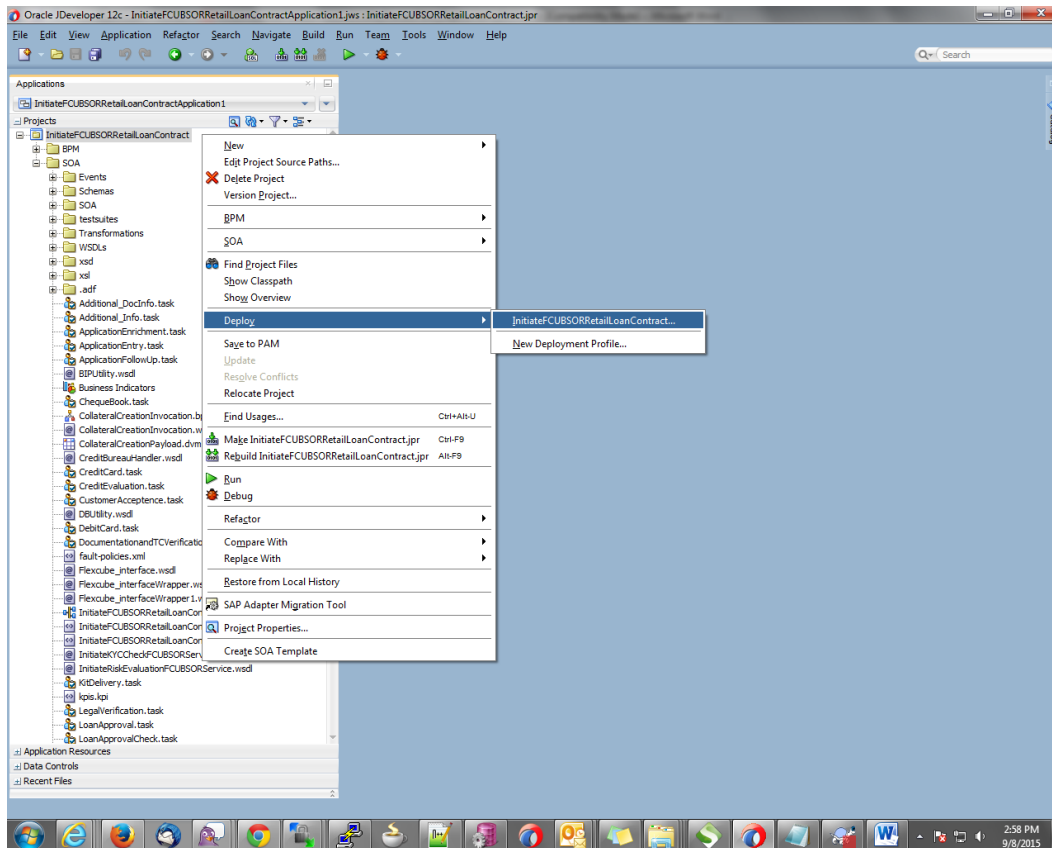
## 6. Deploying a Single Composite application using JDeveloper

### 6.1 Introduction

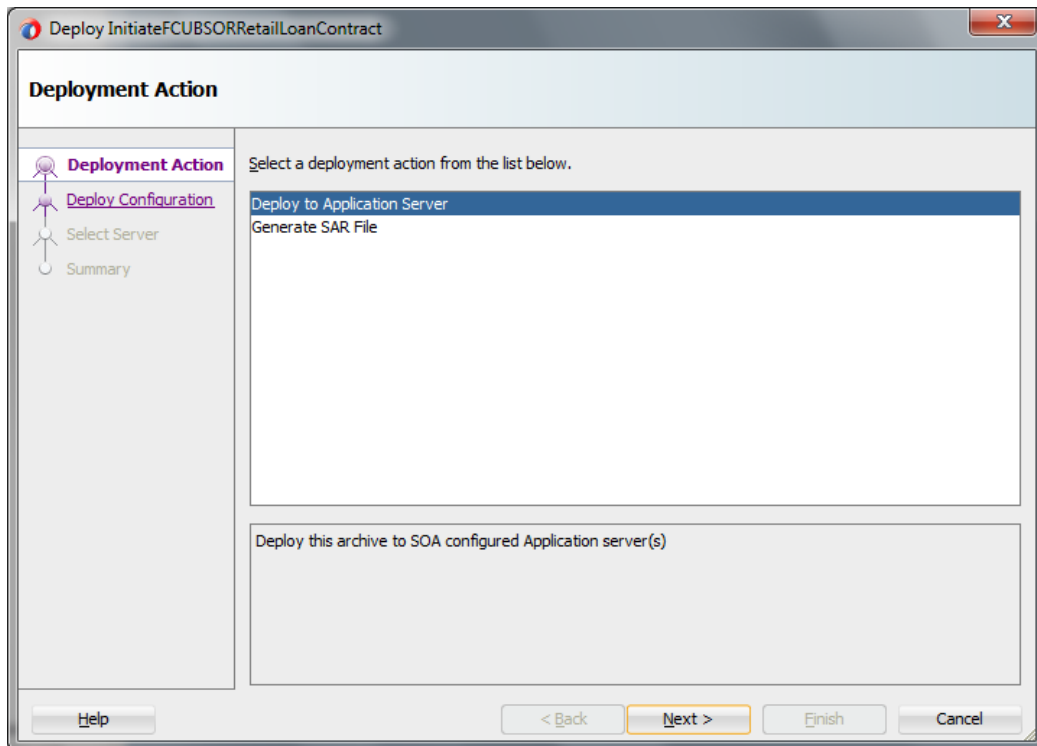
This section describes how to deploy a single SOA composite application with Oracle JDeveloper after completing updating of config plans with respective target environment replacement values.

### 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.



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



- 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 InitiateFCUBSORRetailLoanContract**

**Deploy Configuration**

Deployment Action  
**Deploy Configuration**  
 Select Server  
 Summary

InitiateFCUBSORRetailLoanContract

**Composite Revision ID**

Project: InitiateFCUBSORRetailLoanContract

Current Revision ID: 1.0

New Revision ID: 2.0

**SOA Configuration Plan**

☐ Do not attach

☒ InitiateFCUBSORRetailLoanContractTesting\_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:

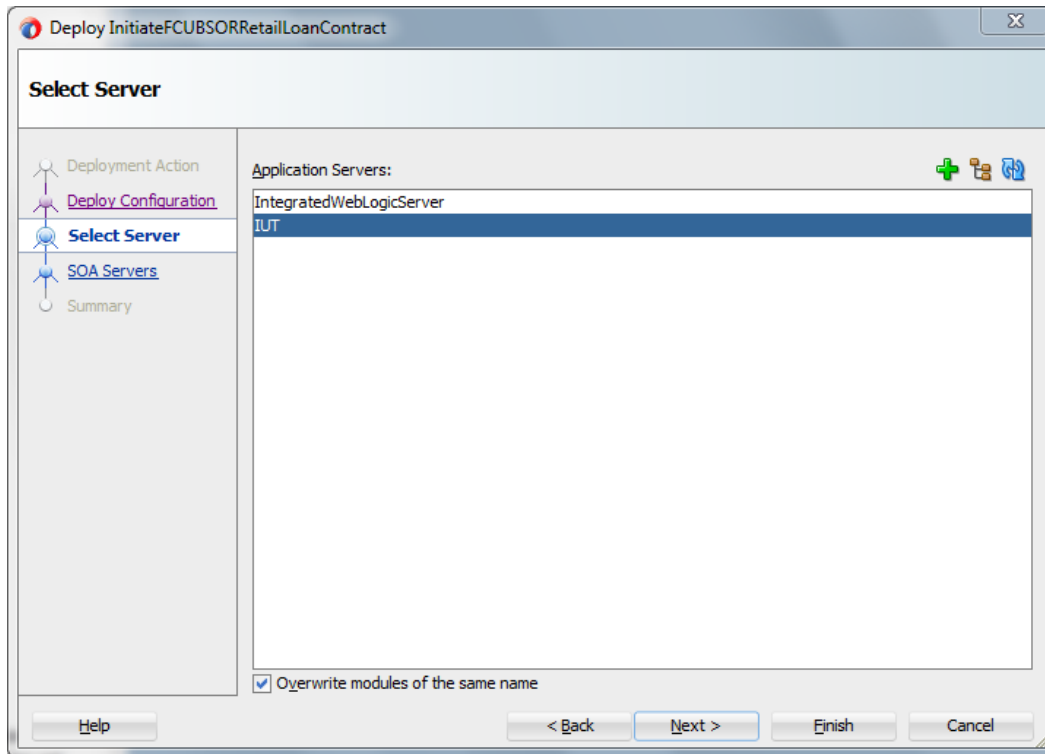
Browse

Help < Back Next > Finish Cancel

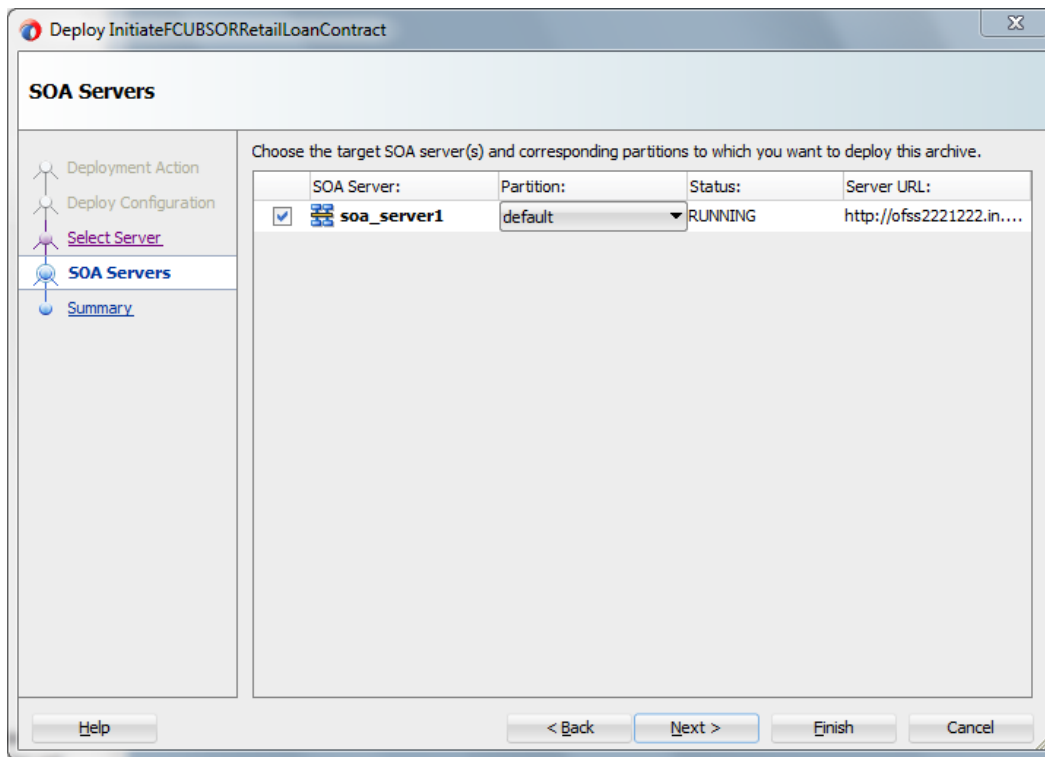
- Select the Application server ‘Server Connection’ configured that was done in Section 3 to which the deployment needs to be done
- Click ‘Next’ to proceed with the deployment.



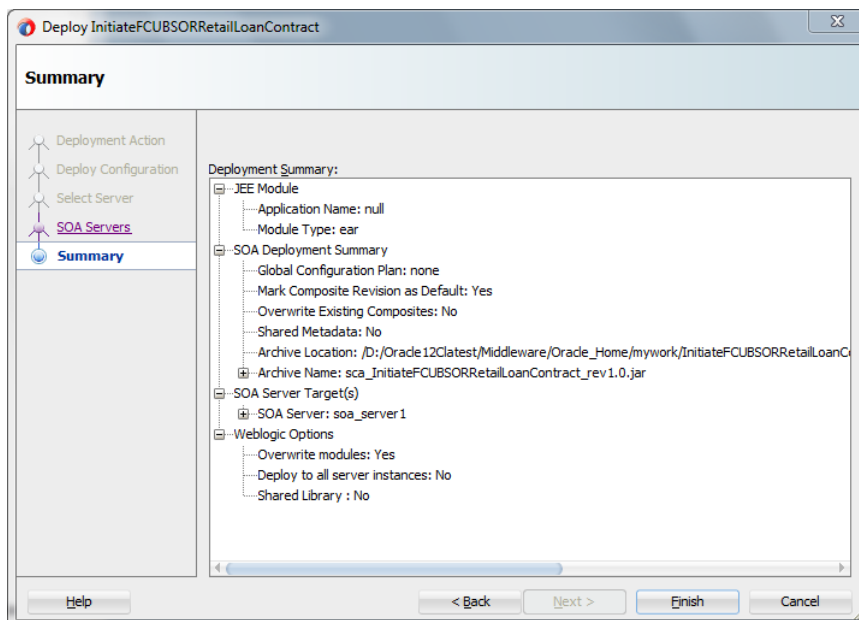
In case “Overwrite any existing composites with the same revision ID” checkbox is checked during the deployment, the active tasks which are currently running on the current revision of the process flow will be moved to “Stale” task status. The tasks which are in “Stale” status will not be displayed in the Oracle 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.



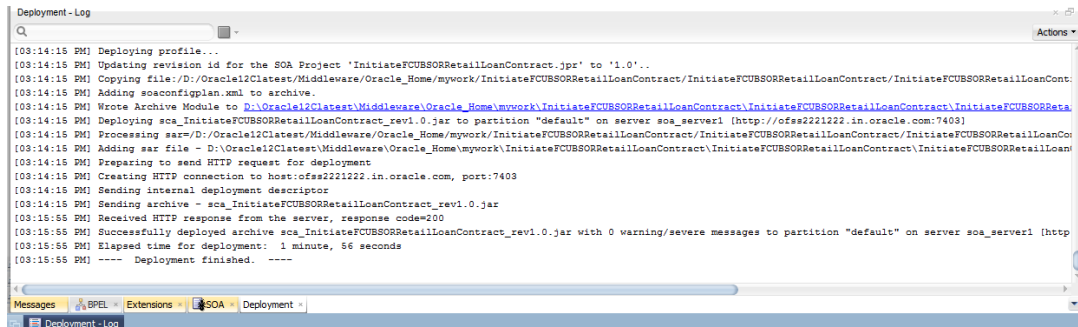
- Select the Application 'server' to which the deployment needs to be done.



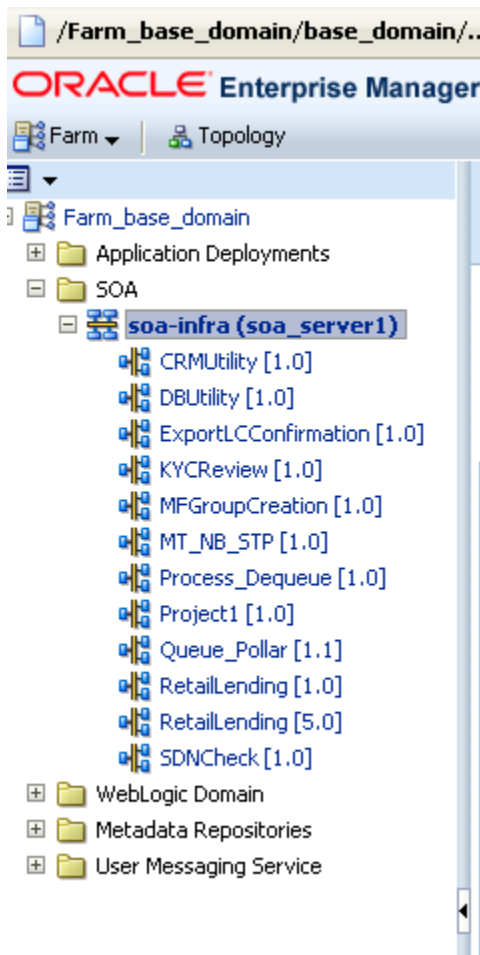
- View the summary of the deployment details and click 'Finish' to complete the deployment.



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



- 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



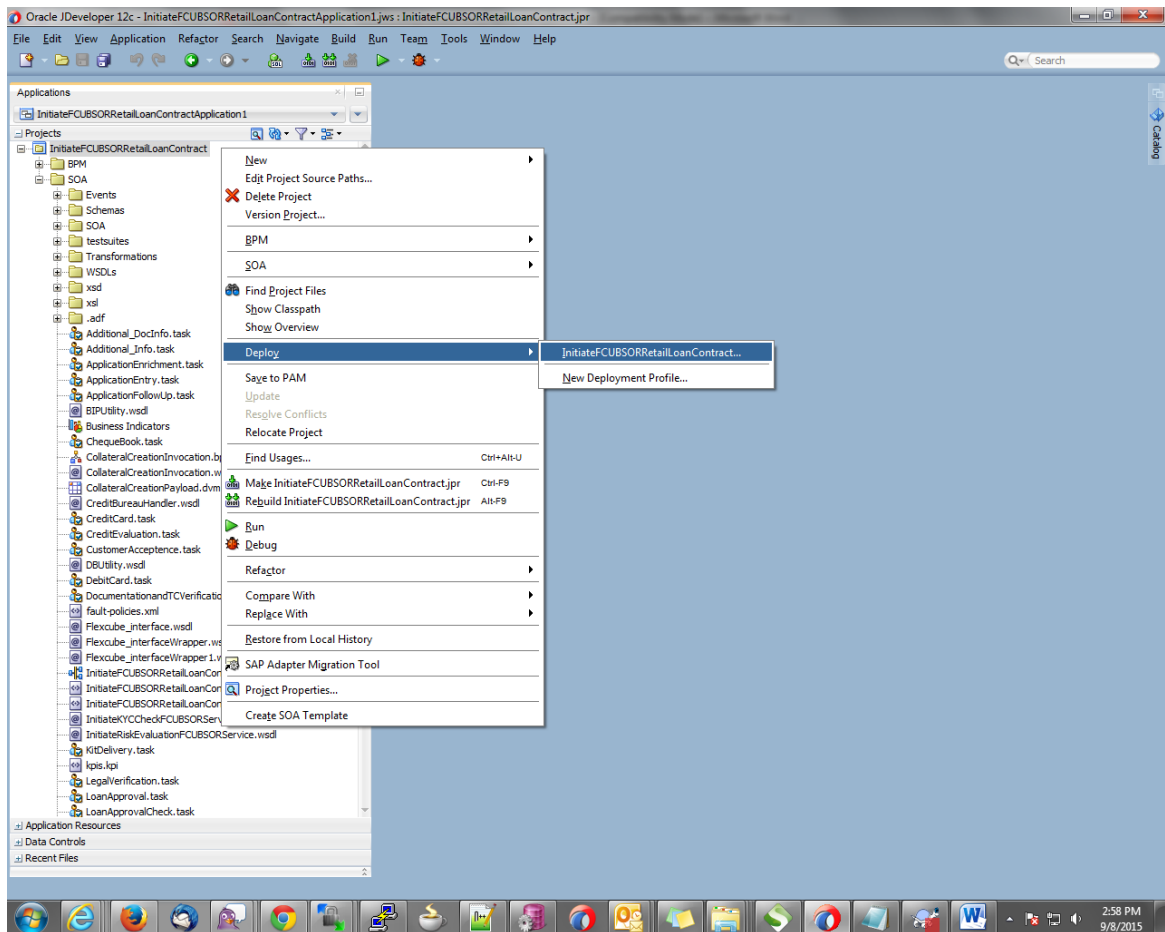
## 7. Deploying a Single Composite Application via Enterprise Manager Console

### 7.1 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.

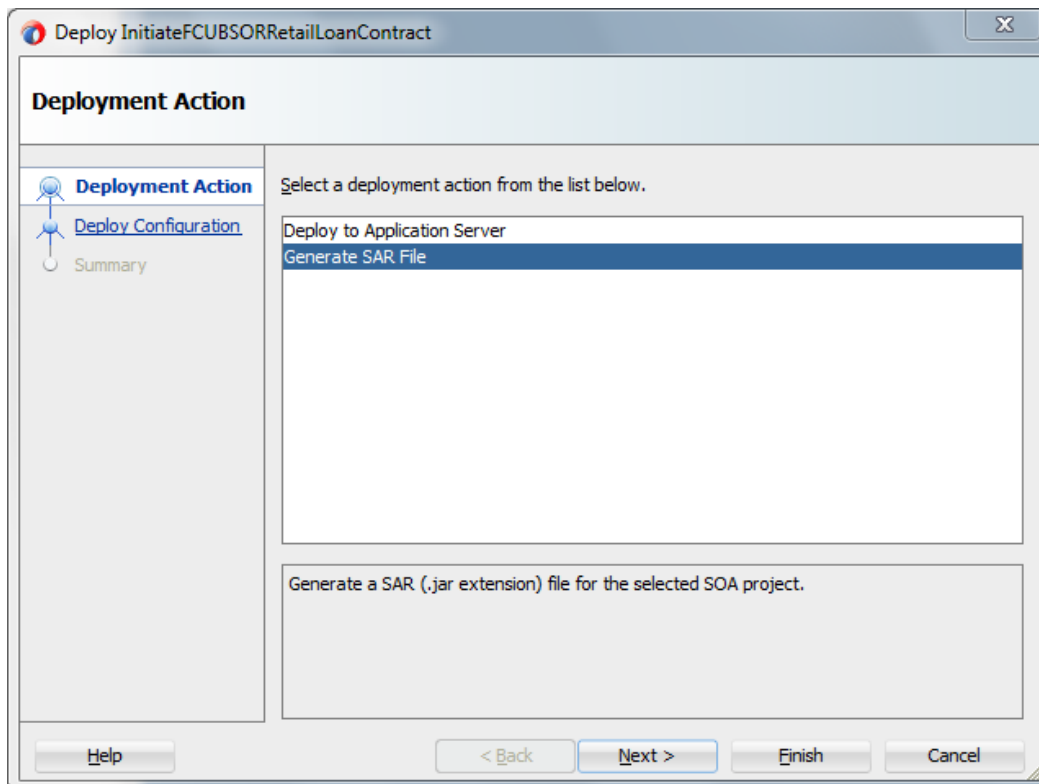
### 7.2 Deploying the Application

- 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.



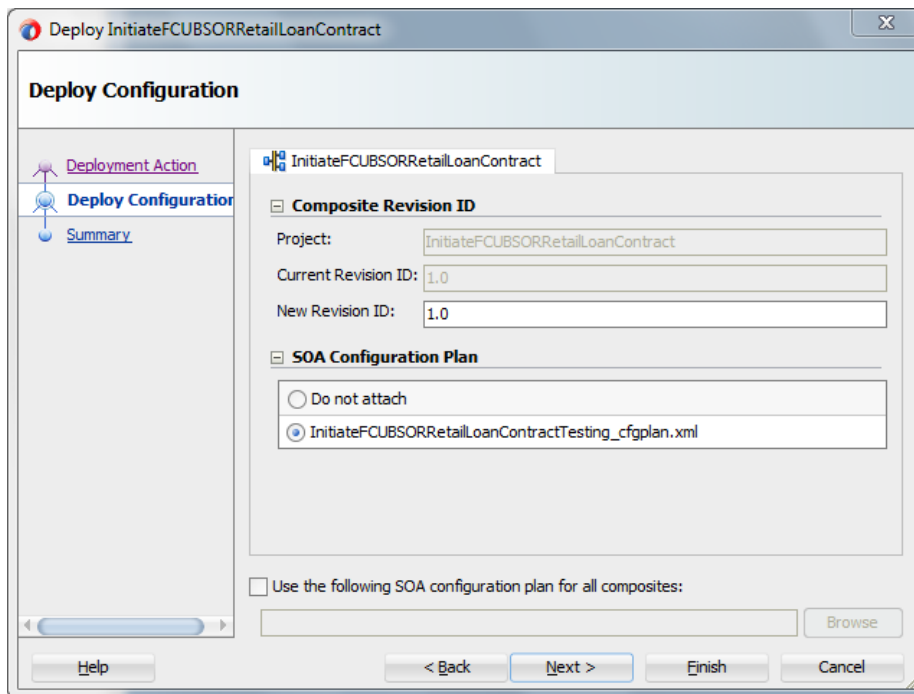
- In deployment action screen choose 'Deploy to SAR'

- Click 'Next' to proceed with the deployment.

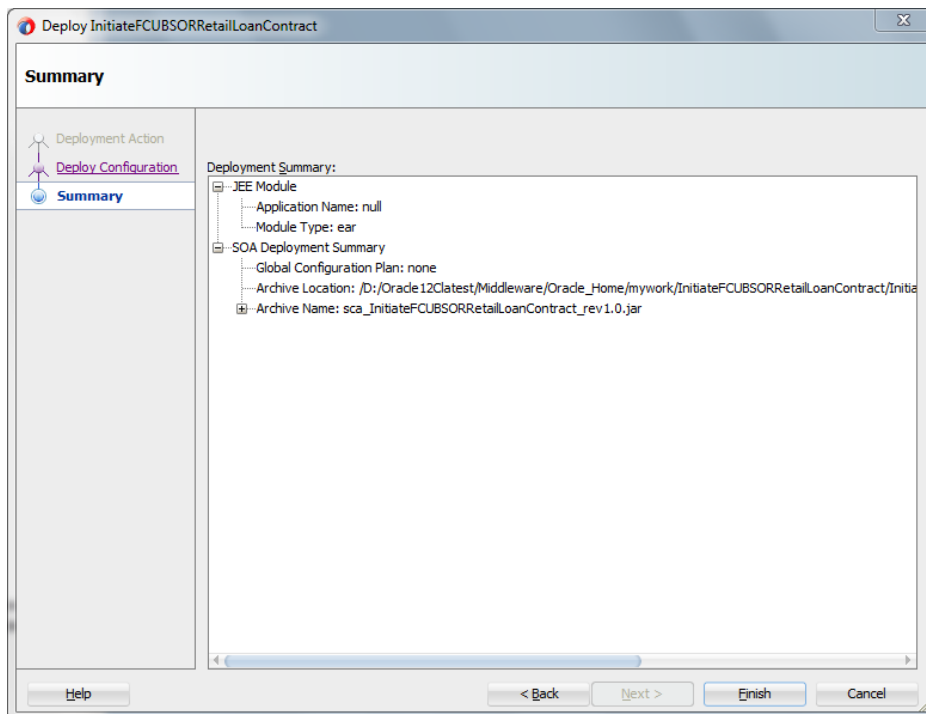


- In deployment configuration screen enter the revision
- Select the configuration plan.

- Click “Next” to proceed with the deployment.



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



- Review the deployment log

- 
- The screenshot displays the Oracle JDeveloper 12c IDE interface. The top menu bar includes File, Edit, View, Application, Refactor, Search, Navigate, Build, Run, Team, Tools, Window, and Help. The main workspace shows a project named 'InitiateFCUBSORRetailLoanContractApplication1'. The project structure is visible in the left pane, showing folders for BPM, SOA, Events, Schemas, testSuites, Transformations, WSDLs, xsd, xsl, and .adf. A deployment log window is open at the bottom, showing the deployment of 'contract\_rev1.0.jar' to a server named 'soa\_server1'. The log message indicates that the deployment was successful with 0 warning/severe messages.

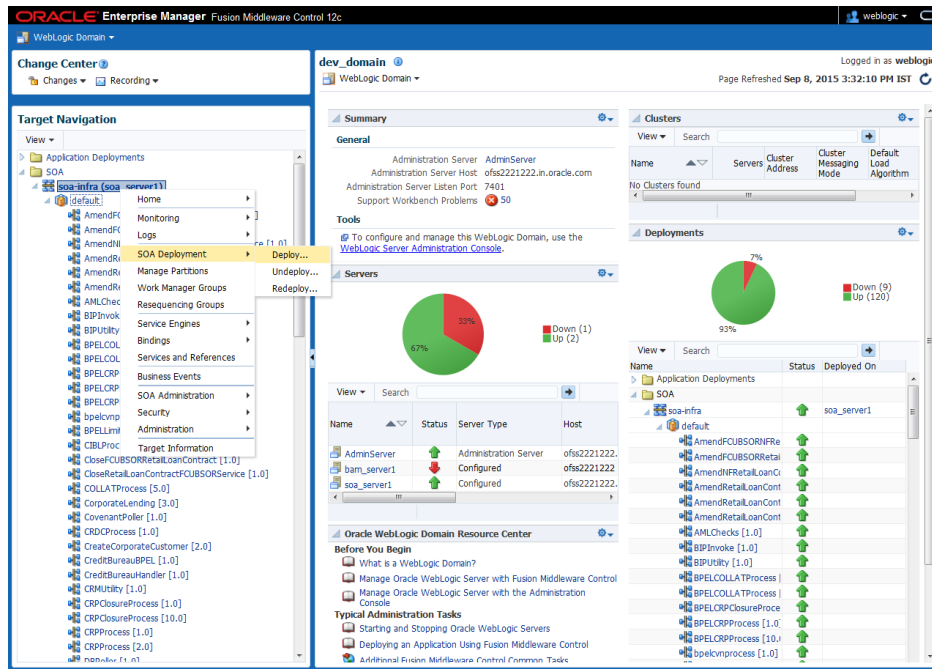
- Login to the enterprise manager console.
- Login to <http://<hostname>:<port>/em>



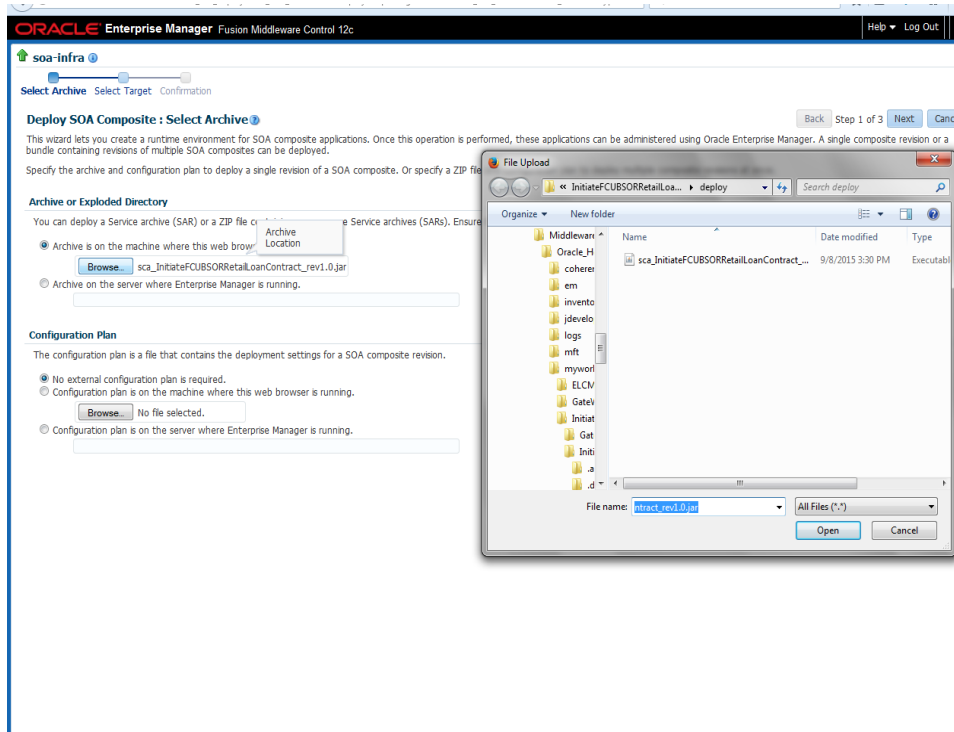
- After logging in from the left pane - Expand 'SOA'
- Right click on SOA-infra



- 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.



- Click on 'Next' to proceed with the deployment.

**ORACLE Enterprise Manager** Fusion Middleware Control 12c

soa-infra

Select Archive Select Target Confirmation

**Deploy SOA Composite : Select Target** Back Step 2 of 3 Next Cancel

**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\_dev\_domain/dev\_domain/soa\_server1  
Type: Oracle WebLogic Server  
SOA Composites Deployed: 89

**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

soa-infra

Select Archive Select Target Confirmation

**Deploy SOA Composite : Confirmation** Back Step 3 of 3 Next Deploy Cancel

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

Composite Name: InitiateFCUBSORRetailLoanContract  
Composite Revision: 1.0  
Archive Location: sca\_InitiateFCUBSORRetailLoanContract\_rev1.0.jar  
Configuration Plan: No external plan specified  
Deployment Target: /Domain\_dev\_domain/dev\_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

- ORACLE Enterprise Manager Fusion Middleware Control 12c

Help Log Out

soa-infra

Select Archive Select Target Confirmation

Deploy SOA Composite : Confirmation

Back Step 3 of 3 Next Deploy Cancel

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

Composite Name	InitiateFCUBSORRetailLoanContract
Composite Revision	1.0
Archive Location	sca_InitiateFCUBSORRetailLoanContract_rev1.0.jar
Configuration Plan	No external plan specified
Deployment Target	/Domain_dev_domain/dev_domain/soa_server1
SOA Partition	default

Default Revision

The above revision will be deployed as the new default revision later at any time in the Deployed Composites page.

☒ Deploy as default revision  
☐ Do not change the default revision

Deployment Succeeded

Composite "InitiateFCUBSORRetailLoanContract [1.0]" has been successfully deployed.

Summary

Deployment Target: /Domain\_dev\_domain/dev\_domain/soa\_server1  
Archive Name: sca\_InitiateFCUBSORRetailLoanContract\_rev1.0.jar

Close

3:40 PM 9/8/2013

**ORACLE Enterprise Manager** Fusion Middleware Control 12c

WebLogic Domain SOA Infrastructure

### Target Navigation

- Application Deployments
- SOA
  - soa-infra (soa\_server1)
    - default
      - AmendFCUBSORRetailLoanContract [1.0]
      - AmendFCUBSORRetailLoanContract [1.0]
      - AmendNFRetailLoanContractFCUBSORService [1.0]
      - AmendRetailLoanContractFCUBSORService [1.0]
      - AmendRetailLoanContractFCUBSORService [2.0]
      - AmendRetailLoanContractFCUBSORService [3.0]
      - AMLChecks [1.0]
      - BIPInvoke [1.0]
      - BIPUtility [1.0]
      - BPELCOLLATPProcess [1.0]
      - BPELCOLLATPProcess [2.0]
      - BPELCRPPProcess [1.0]
      - BPELCRPPProcess [10.0]
      - bpelevnprocess [1.0]
      - BPELLimitReview [1.0]
      - CIBLPProcess [1.0]
      - CloseFCUBSORRetailLoanContract [1.0]
      - CloseRetailLoanContractFCUBSORService [1.0]
      - COLLATPProcess [5.0]
      - CorporateLending [3.0]
      - CovenantPoller [1.0]
      - CRDOPProcess [1.0]
      - CreateCorporateCustomer [2.0]
      - CreditBureauBP [1.0]
      - CreditBureauHandler [1.0]
      - CRMUtility [1.0]
      - CRPClosureProcess [1.0]
      - CRPClosureProcess [10.0]
      - CRPProcess [1.0]
      - CRPProcess [2.0]
      - DBPoller [1.0]
      - DBUtility [1.0]
      - DBUtility [2.0]
      - DeburseFCUBSORRetailLoanContract [1.0]

### InitiateFCUBSORRetailLoanContract [1.0]

SOA Composite

Logged in as weblogic | ofss221222.n.oracle.com  
Page Refreshed Sep 8, 2015 3:41:08 PM IST

Active Retire ... Shut Down... Test Settings... Related Links

#### Dashboard

- Composite Definition
- Flow Instances
- Unit Tests
- Policies

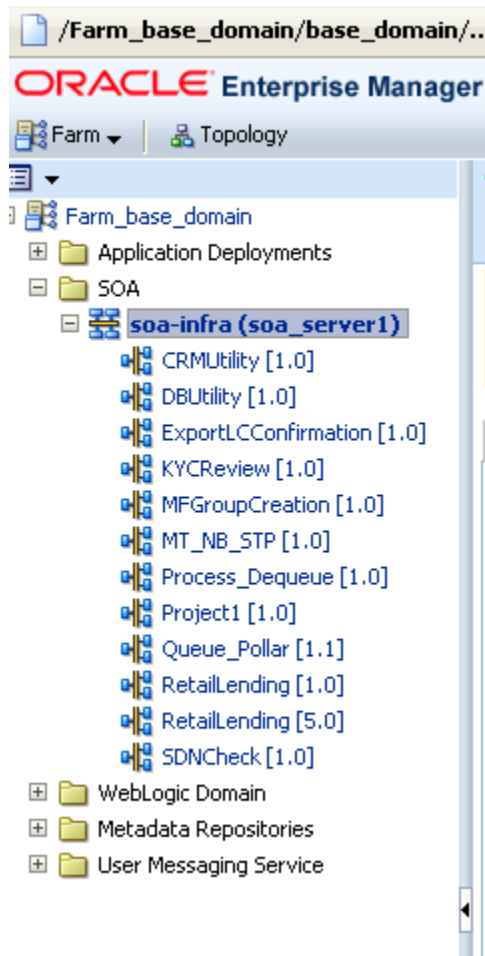
#### Components

Name	Component Type
CustomerAcceptance	Human Workflow
CreditCard	Human Workflow
CollateralCreationInvocation	BPEL
ChequeBook	Human Workflow
InitiateFCUBSORRetailLoanContract	BPMN

#### Services and References

Name	Type	Usage	Total Messages	Average Processing Time (sec)
InitiateFCUBSORRetailLoanContract_clientAdf	ADF	Service	0	0.000
InitiateFCUBSORRetailLoanContract_WebService	Web Service	Service	0	0.000
InitiateFCUBSORRetailLoanContract_client_adp	Direct Binding	Service	0	0.000
Collateral_Service	Web Service	Reference	0	0.000

- Check the deployed process from the enterprise manager console



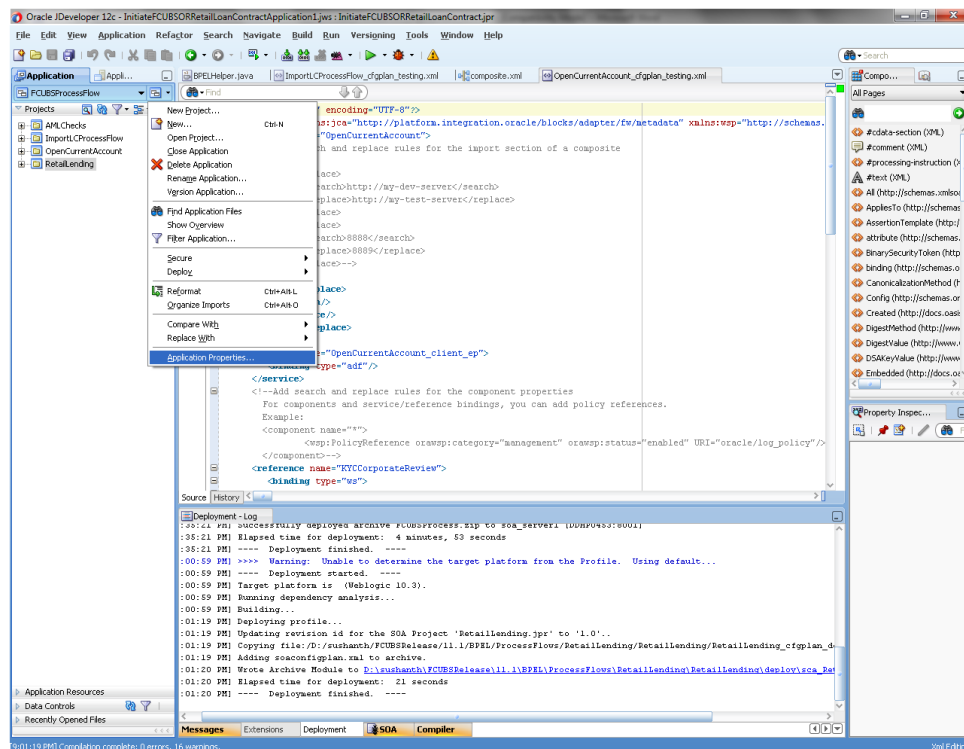
## 8. Deploying Multiple Composite Application using JDeveloper

### 8.1 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.

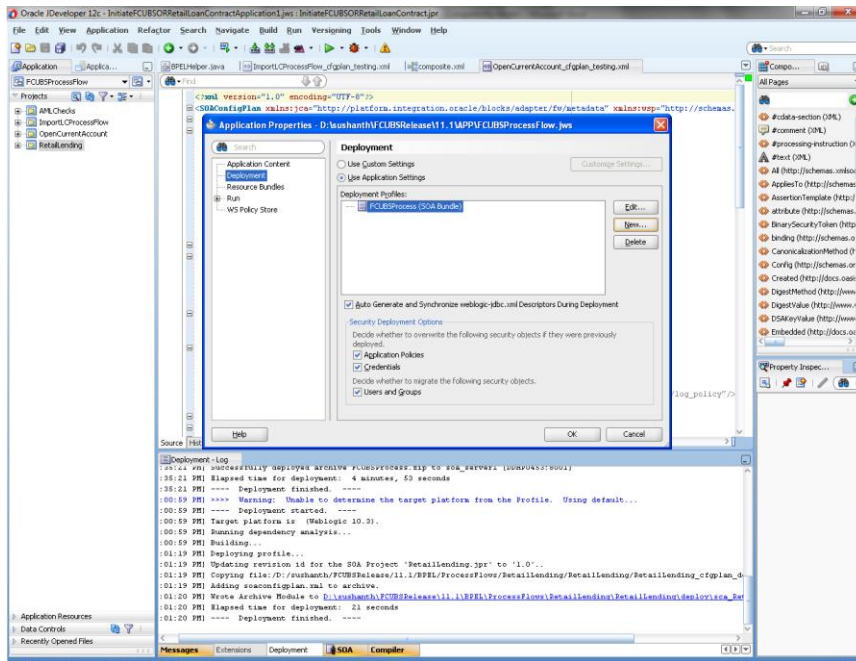
### 8.2 Creating the Deployment Profile

From the application menu select 'Application Properties' as illustrated in the screen shot.

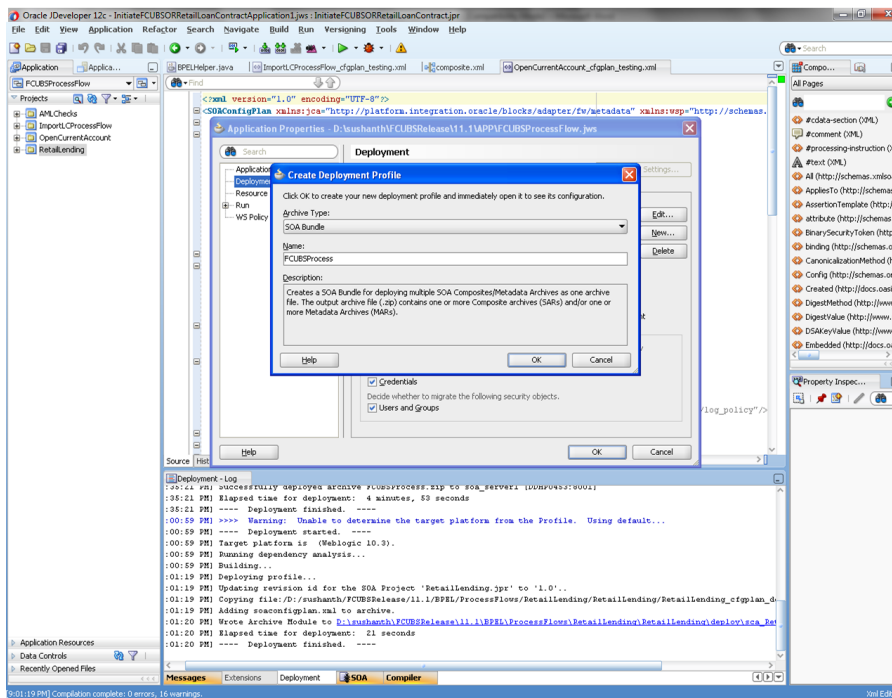


- In the Application Properties dialog, click Deployment.

- Click New.



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



- In the navigator on the left, select the Dependencies node.

- 
- The screenshot displays the Oracle IDE interface. The main window shows the 'SOA Bundle Deployment Profile Properties' dialog box, which is used for configuring deployment profiles. The 'Dependencies' tab is selected, showing a tree of Java EE Modules. The modules listed are 'ImportCProcessFlow.jpr', 'ser1', 'AMLChecks.jpr', 'OpenCurrentAccount.jpr', and 'RetailLending.jpr'. The 'OpenCurrentAccount.jpr' module is highlighted. The dialog also includes a 'Specify dependencies on other SARFAR deployment profiles' section and buttons for 'New...', 'Delete', 'Help', 'OK', and 'Cancel'.
- The log window at the bottom shows the deployment process. It includes the following messages:
- ```

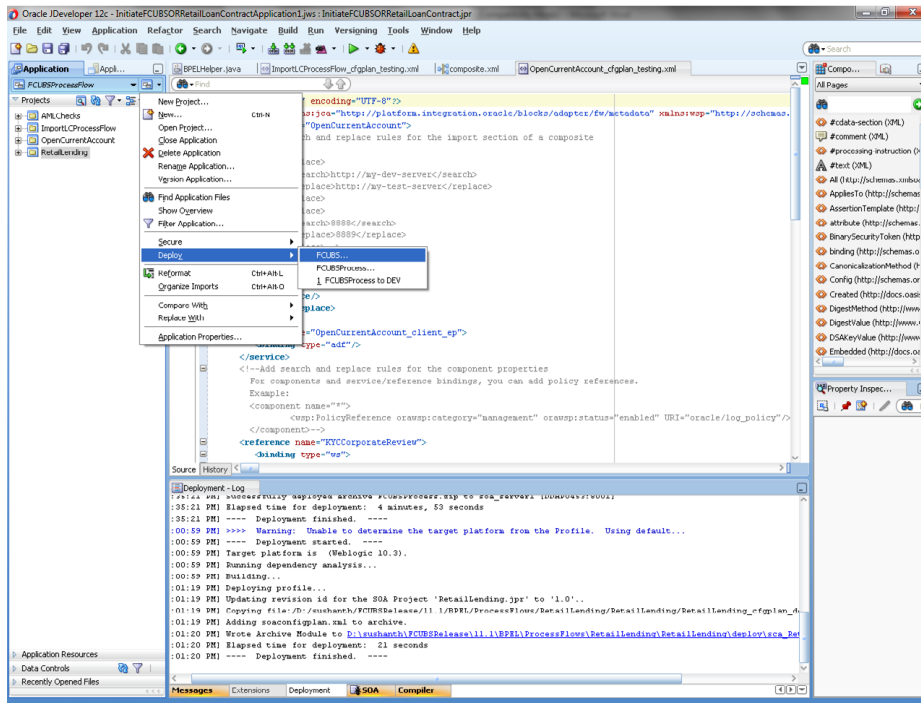
[00:19:59 PM] Successfully deployed archive \msw\process\zip to sda_server: [wwwpass:wwwu]
[00:20:00 PM] Elapsed time for deployment: 4 minutes, 53 seconds
[00:20:01 PM] ---- Deployment finished. ----
[00:20:03 PM] >>> Warning: Unable to determine the target platform from the Profile. Using default...
[00:20:03 PM] ---- Deployment started. ----
[00:20:03 PM] Target platform is (Weblogic 10.3).
[00:20:03 PM] Running dependency analysis...
[00:20:03 PM] Building...
[00:20:03 PM] Deploying profile...
[00:20:03 PM] Updating revision id for the SOA Project 'RetailLending.jpr' to '1.0'.
[00:20:03 PM] Copying file:\f:\soa\hanch\PC\Release\1.1\BPFL\ProcessFlow\RetailLending\RetailLending_cfp.jar to
[00:20:03 PM] Adding soaconfig.xml to archive.
[00:20:03 PM] Wrote Archive Module to \f:\soa\hanch\PC\Release\1.1\BPFL\ProcessFlow\RetailLending\RetailLending_deploy.jar
[00:20:03 PM] Elapsed time for deployment: 21 seconds
[00:20:03 PM] ---- Deployment finished. ----

```
- The status bar at the bottom indicates '00:21:19 PM] Compilation complete: 0 errors, 16 warnings.'

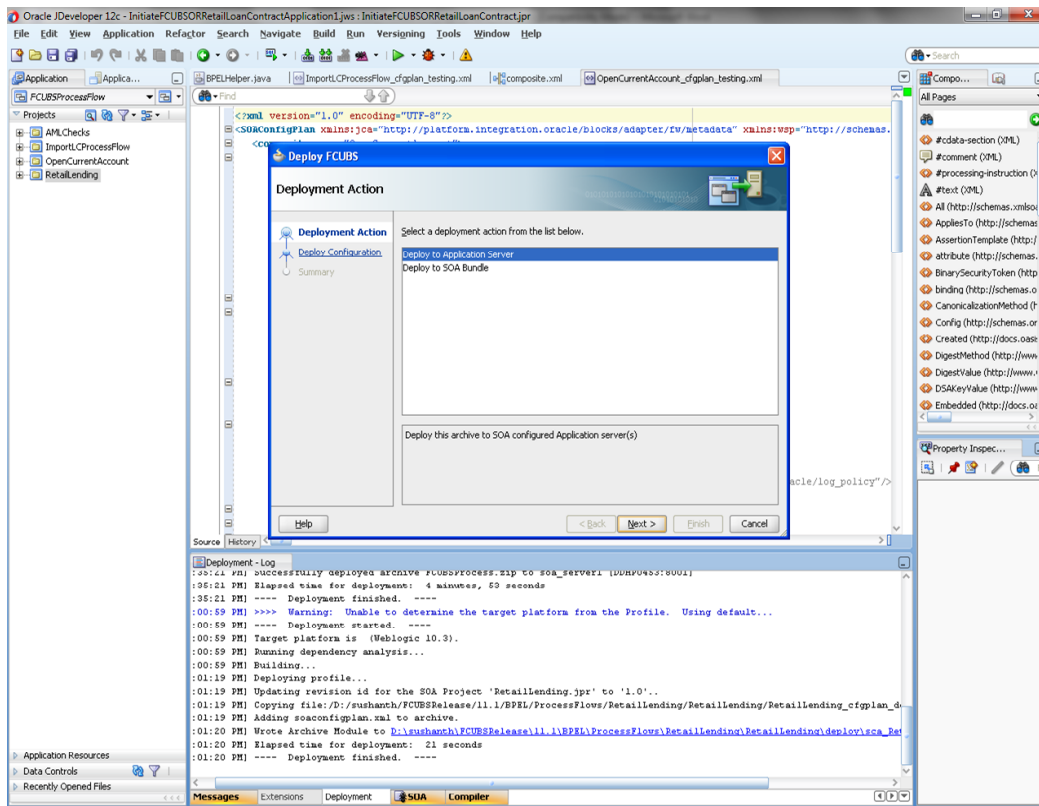
- 
- The screenshot displays the Oracle JDeveloper IDE interface. The main window shows the 'Application Properties' dialog for the project 'FCUBSPProcessFlow'. The 'Deployment' tab is selected, showing the 'Deployment Profiles' section with 'FCUBSP (SOA Bundle)' chosen. The 'Security Deployment Options' section is also visible, showing options to decide whether to overwrite security objects. The 'Deployment Log' at the bottom shows the progress of the deployment, including warnings and completion status.
- Application Properties - D:\sushanth\FCUBSPRelease\1.1\WPPV\FCUBSPProcessFlow.jws**
- Deployment**
- Deployment Profiles:**
- FCUBSPProcess (SOA Bundle)
  - FCUBSP (SOA Bundle)
- Security Deployment Options:**
- ☐ Use Custom Settings
  - ☐ Use Application Settings
  - ☒ Auto Generate and Synchronize weblogic-jdbc.xml Descriptors During Deployment
  - ☐ Decide whether to overwrite the following security objects if they were previously deployed:
    - ☒ Authentication Policies
    - ☒ Credentials
  - ☐ Decide whether to migrate the following security objects:
    - ☒ Users and Groups
- Deployment Log:**
- ```

00:01:19 [INFO] Successfully deployed archive 'FCUBSPProcessFlow.jar' to 'soa_server' [00:00:43.260]
00:01:19 [INFO] Elapsed time for deployment: 4 minutes, 53 seconds
00:01:19 [INFO] ---- Deployment finished. ----
00:00:59 [WARN] >>>> Warning: Unable to determine the target platform from the Profile. Using default...
00:00:59 [INFO] ---- Deployment started. ----
00:00:59 [INFO] Target platform is 'Weblogic 10.3'.
00:00:59 [INFO] Running dependency analysis...
00:00:59 [INFO] Building...
00:01:19 [INFO] Deploying profile...
00:01:19 [INFO] Updating revision id for the SOA Project 'RetailingIntegration.jpr' to '1.0'.
00:01:19 [INFO] Copying file 'D:\sushanth\FCUBSPRelease\1.1\WPPV\ProcessFlow\RetailingIntegration\RetailingIntegration_cfapi.jar' to archive.
00:01:19 [INFO] Adding 'soaconfigplan.xml' to archive.
00:01:20 [INFO] Write Archive Module to 'D:\sushanth\FCUBSPRelease\1.1\WPPV\ProcessFlow\RetailingIntegration\RetailingIntegration_deploying.jar'
00:01:20 [INFO] Elapsed time for deployment: 21 seconds
00:01:20 [INFO] ---- Deployment finished. ----
  
```
- Messages Extensions Deployment SOA Compiler**
- 00:01:19 PM] Compilation complete: 0 errors, 16 warnings.

- ORACLE®

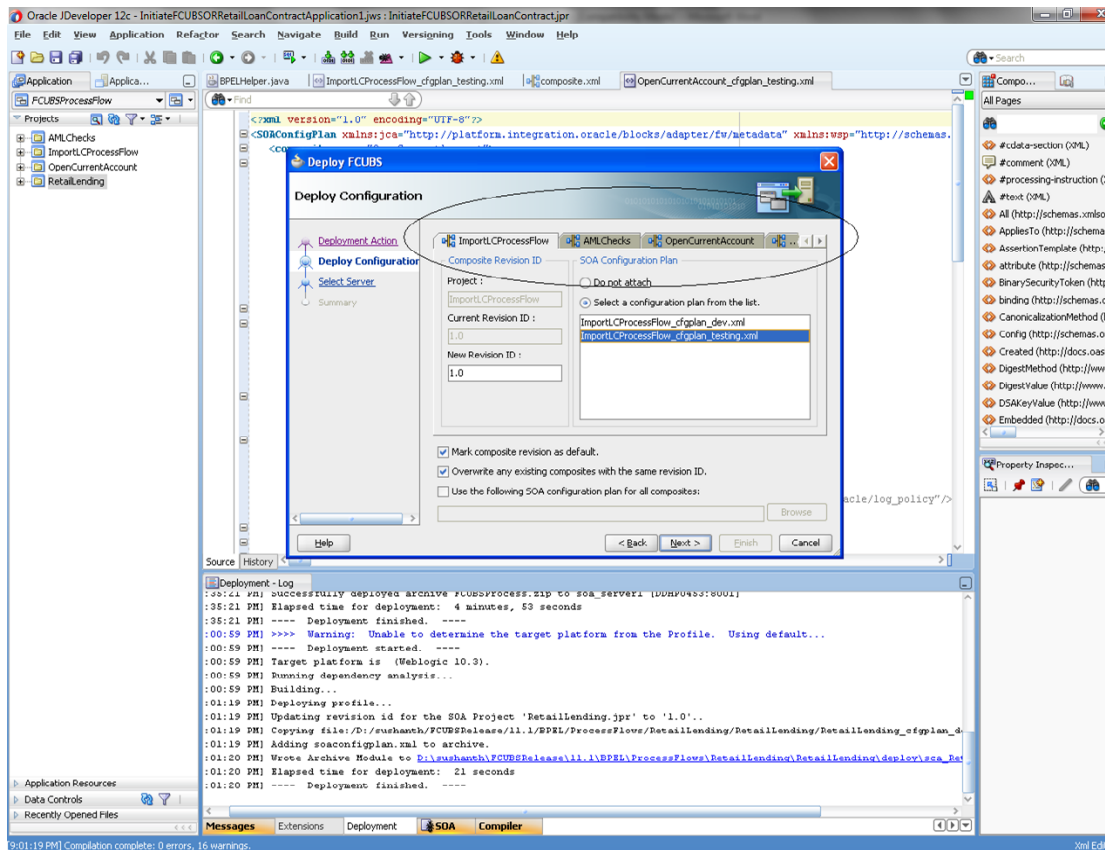


- Deployment screen is launched , Select 'Deploy to Application Server'



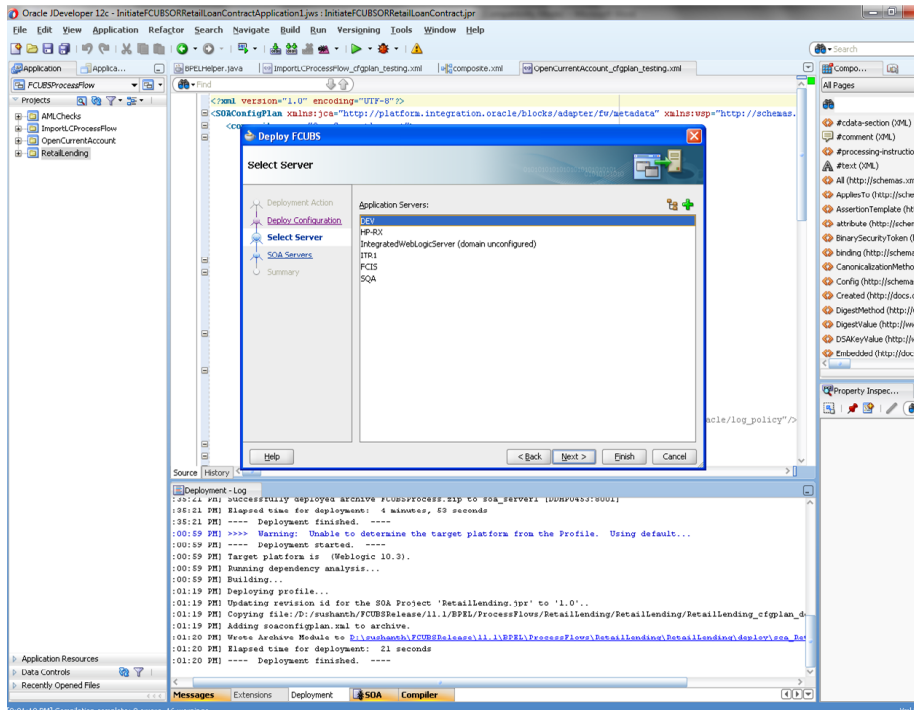


- Deployment configuration is done as illustrated in the below screen shot for each application which is displayed in the tab, application navigation can be done using the pointer provided at the end of the tab.
- Select a Revision with which the deployment should happen
- Select a " Configuration Plan"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

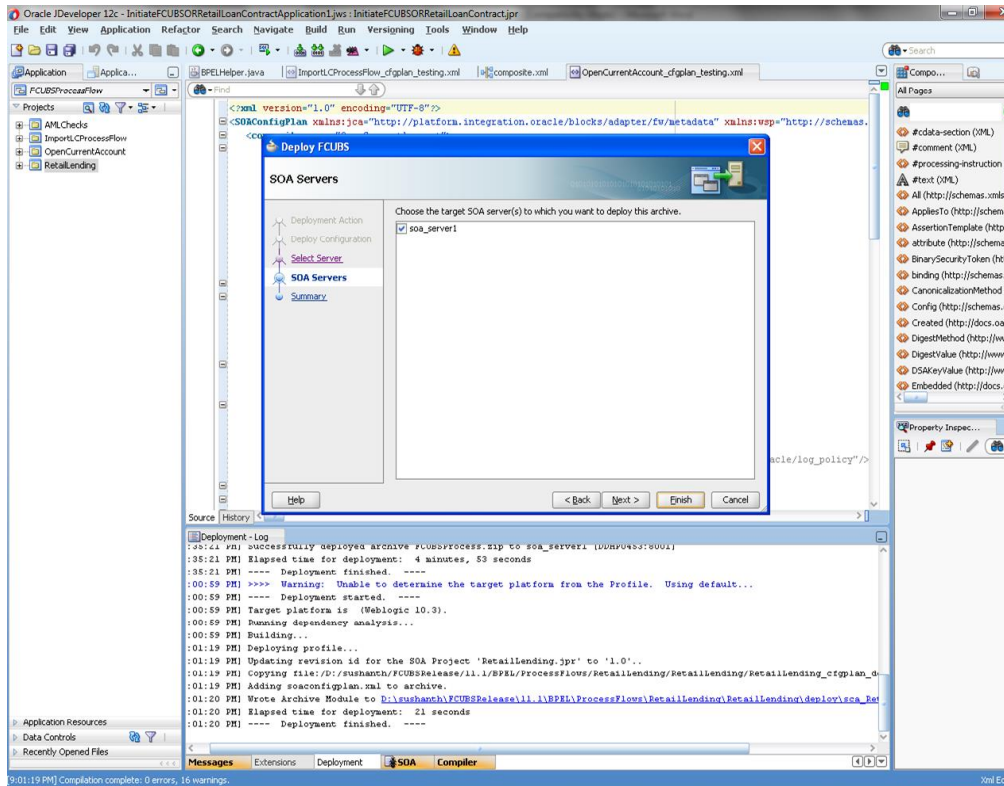


- Select the Application server 'Server Connection' configured that was done in Section 3 to which the deployment needs to be done

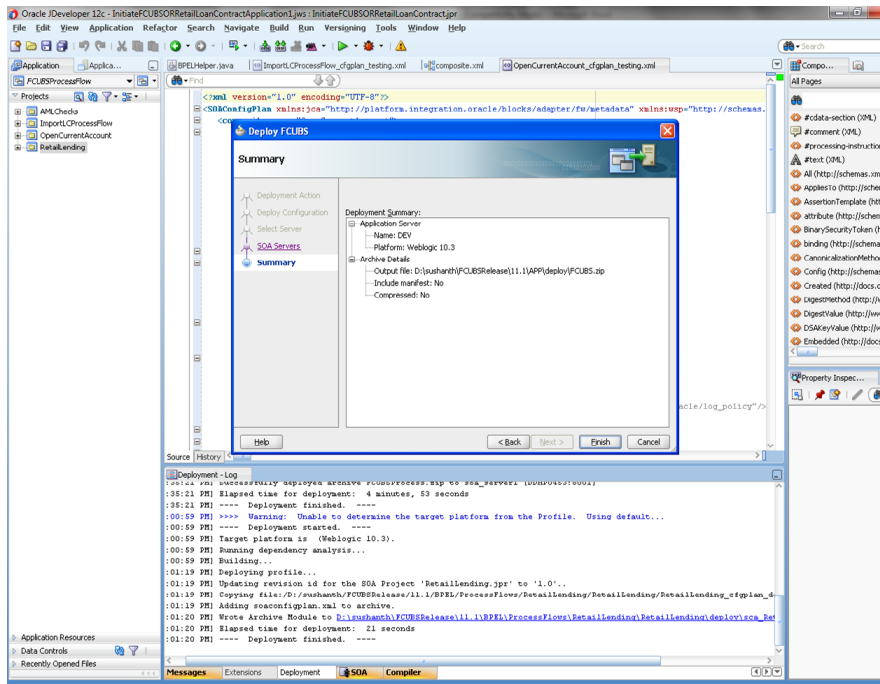
- Click 'Next' to proceed with the deployment.



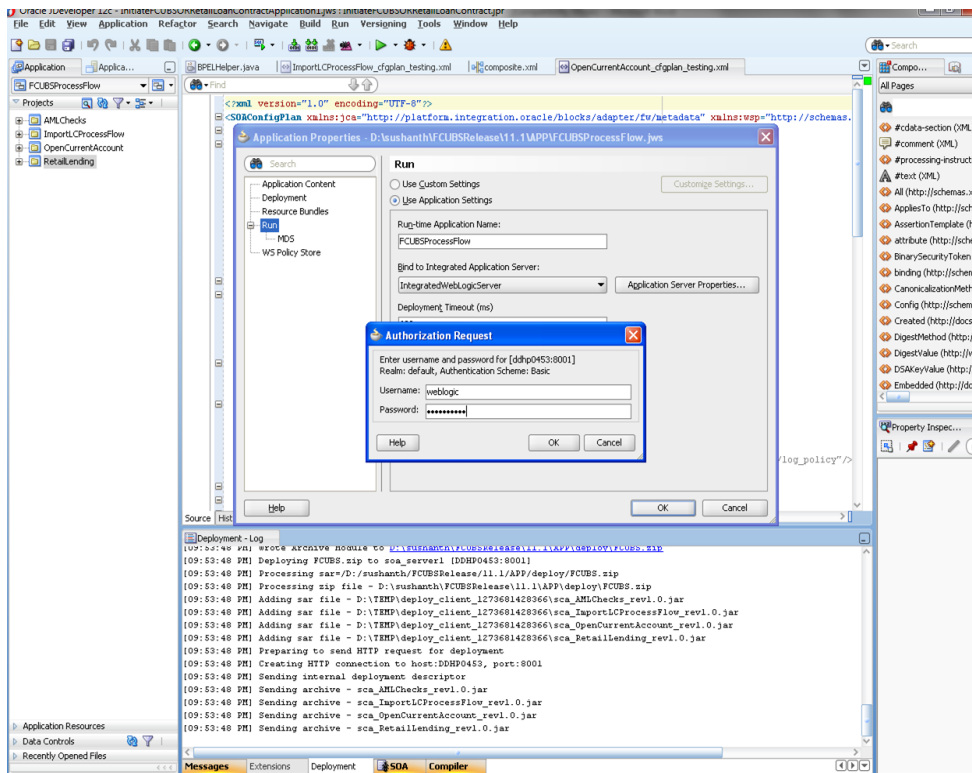
- Select the Application 'server' to which the deployment needs to be done.



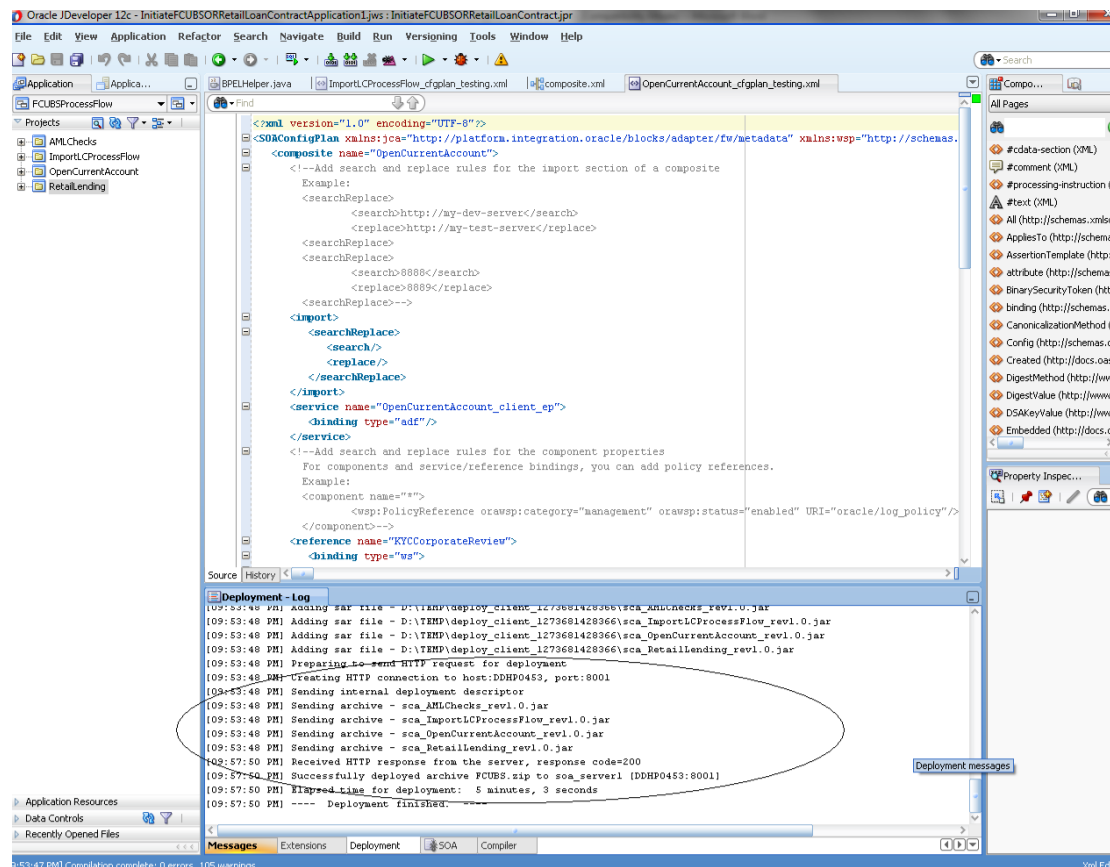
- View the summary of the deployment details and click 'Finish' to complete the deployment.



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

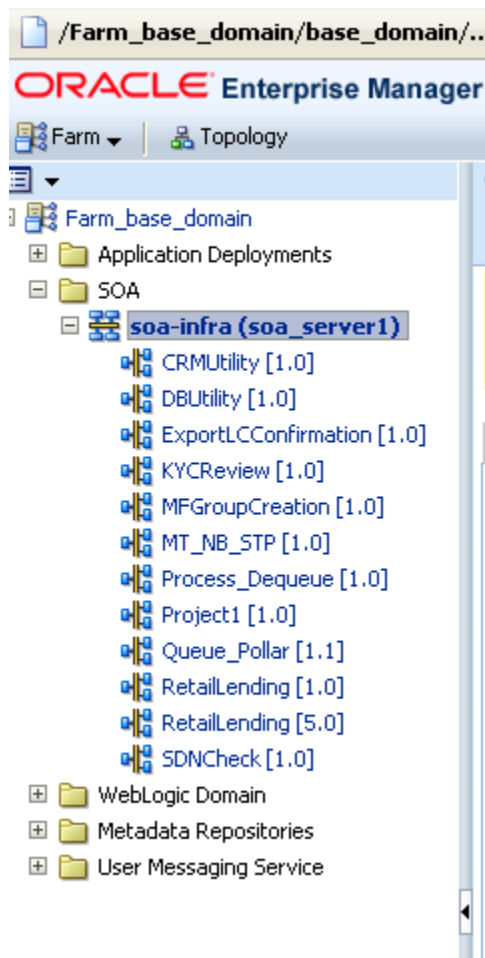


- The deployment status can be verified in the deployment status Log window.



- 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



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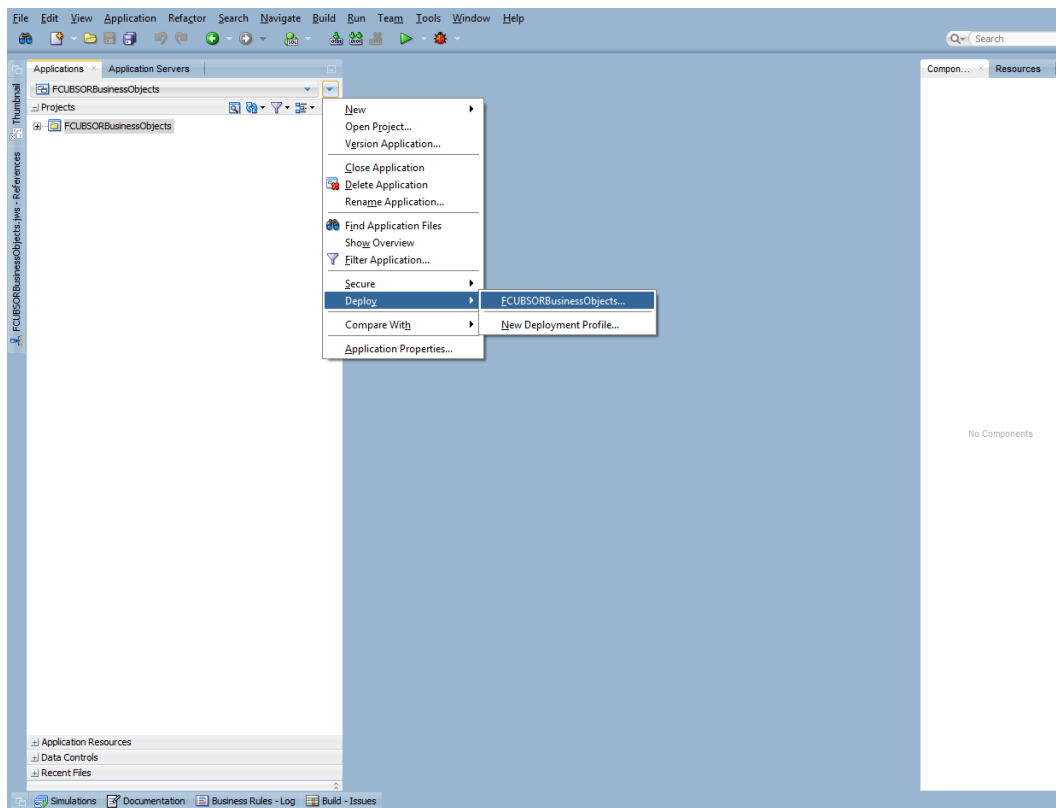
## 9. Deploying MDS application using JDeveloper

### 9.1 Introduction

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

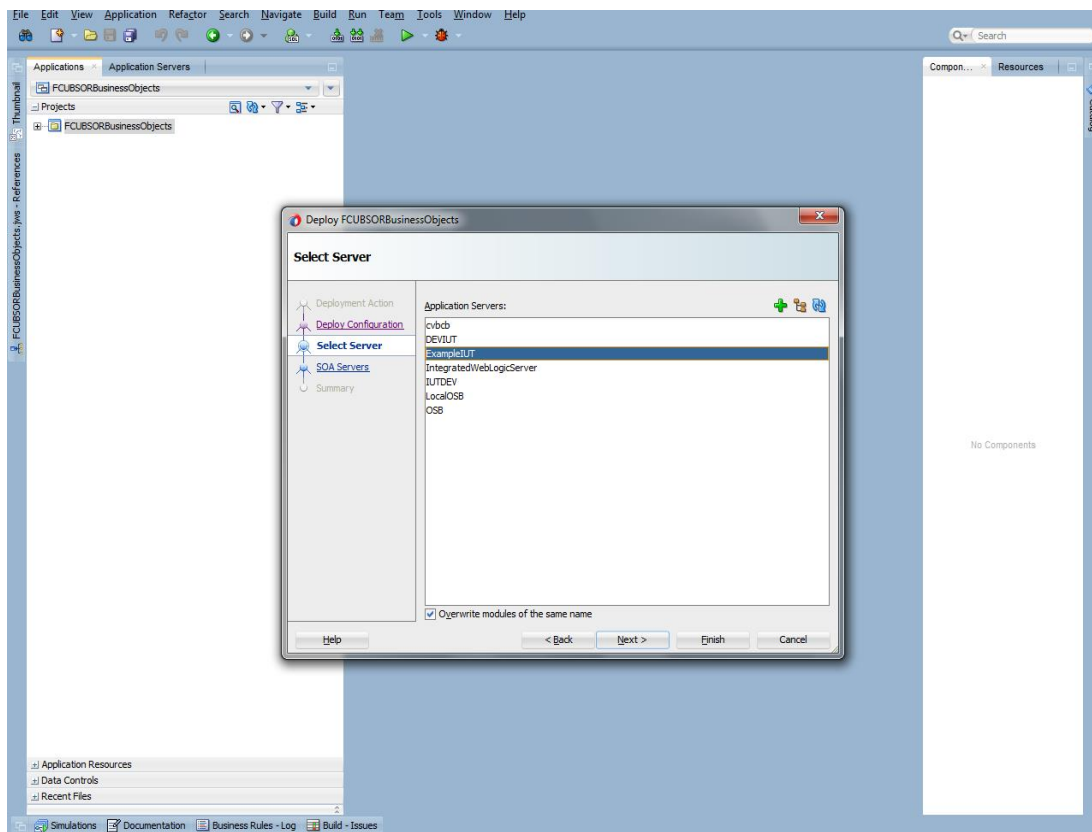
### 9.2 Deploying the Application

- 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.

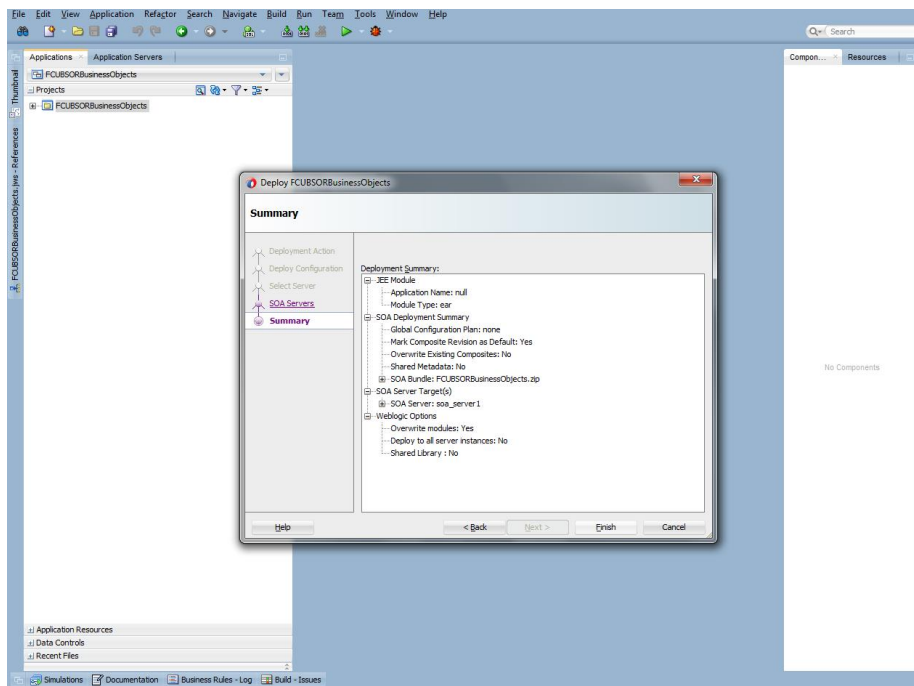
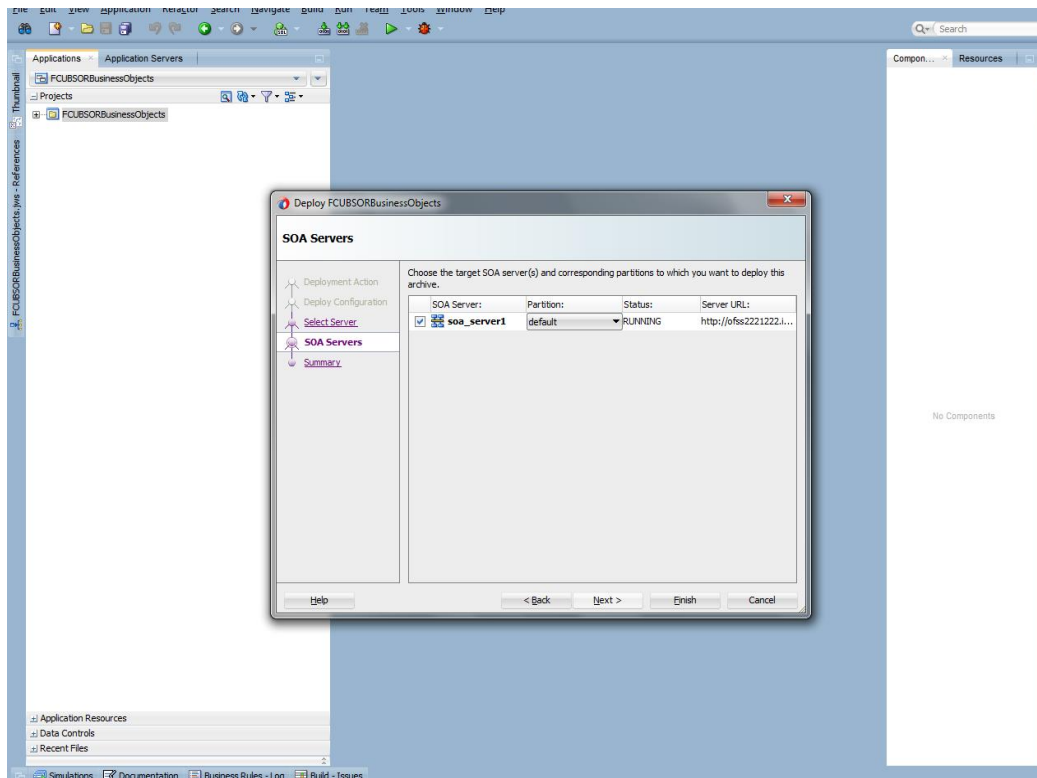


- In deployment action screen choose Deploy to Application Server.
- Click Next→Next to proceed with deployment.

- Select the Application Server to which the MDS Application Needs to Deploy.

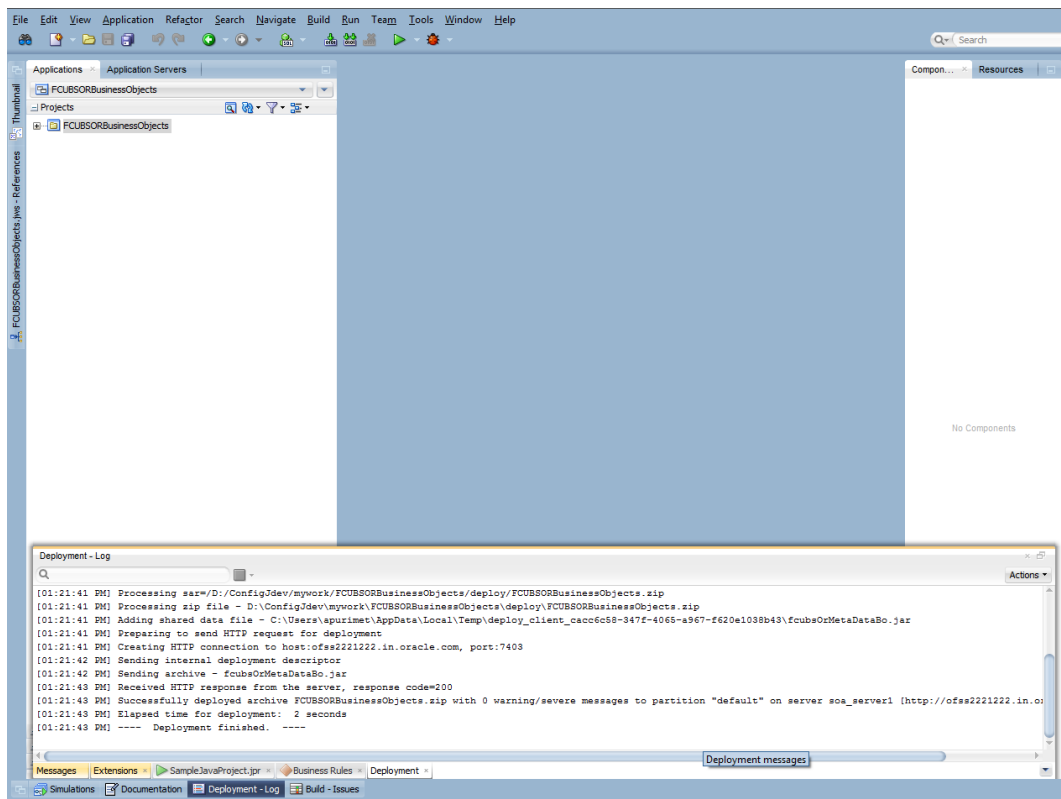


- Click Next and Finish buttons on the deployment wizard after selecting application server.



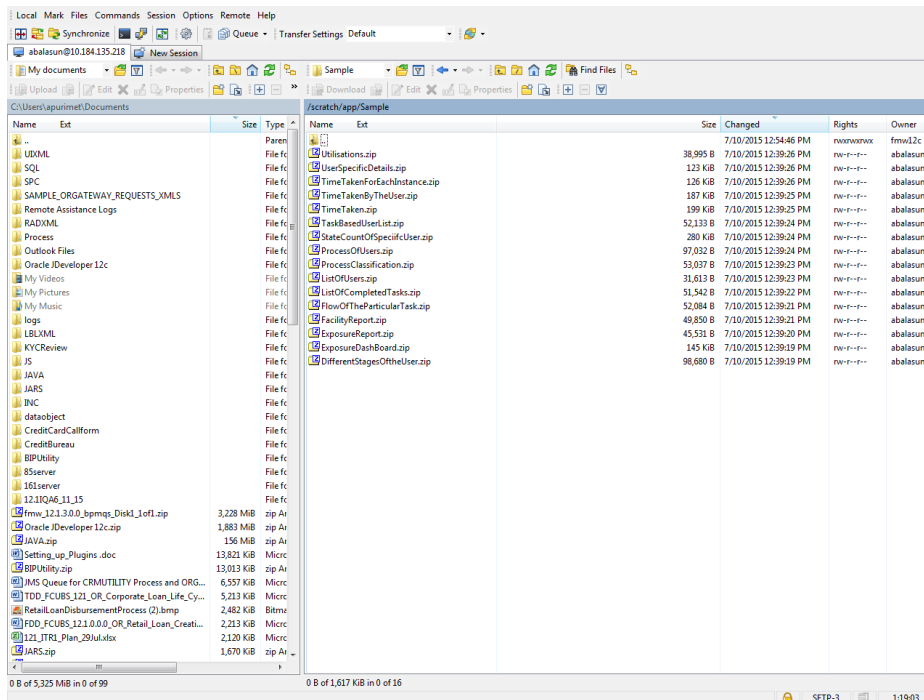
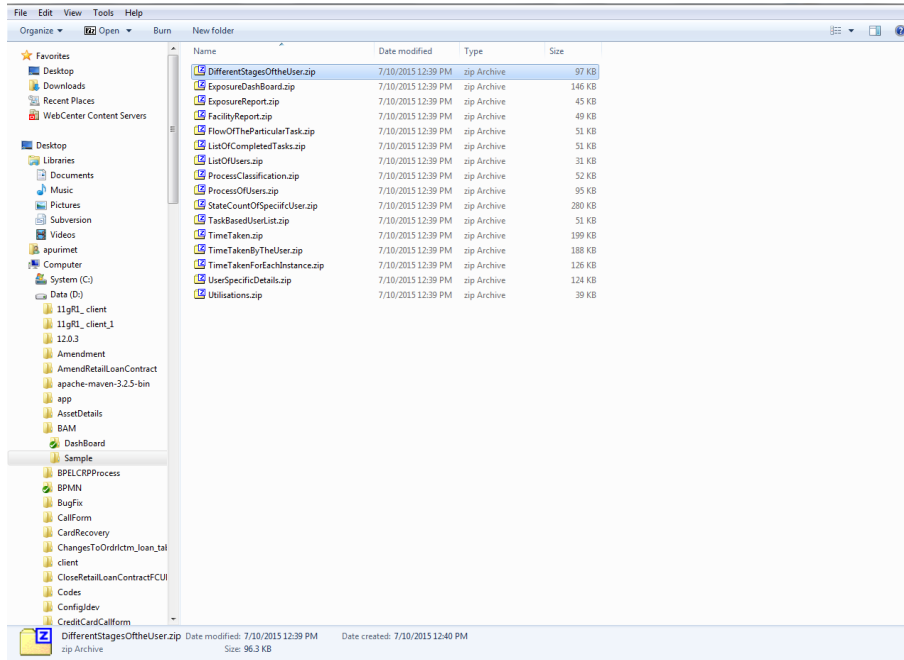


- Review the deployment log to see successfully deployed message as below



## 10. Deployment and configuration of Oracle BAM Reports

Copy the BAM Dashboards Units (.Zip) from /SOFT/MAIN/OR/Process\_infra/Reports/BAM to server location.



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

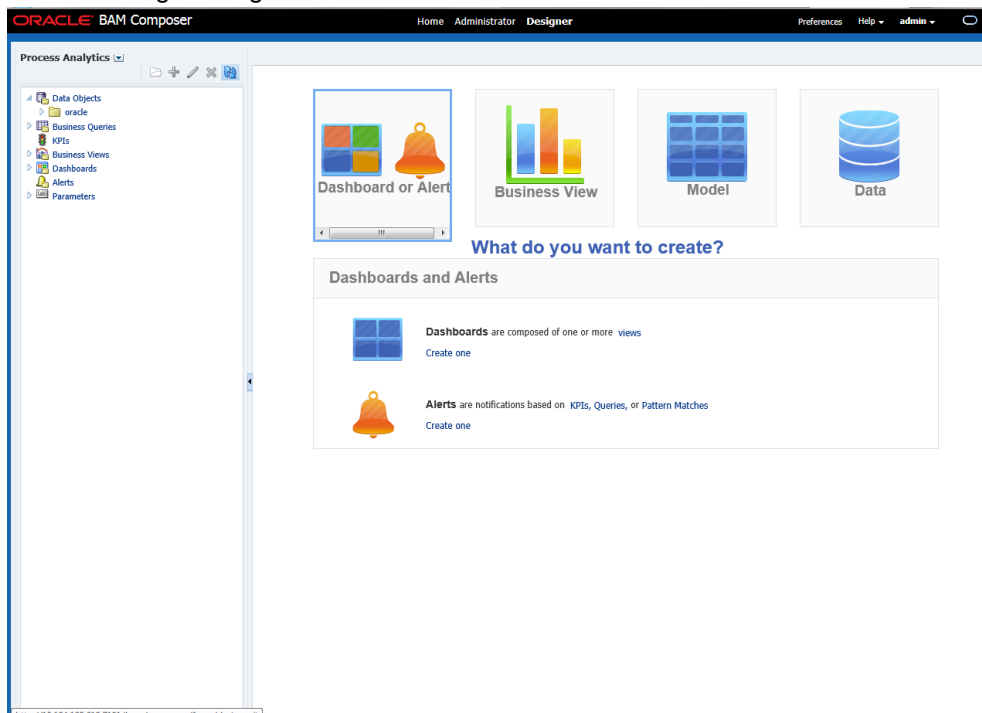
**Example:**

```

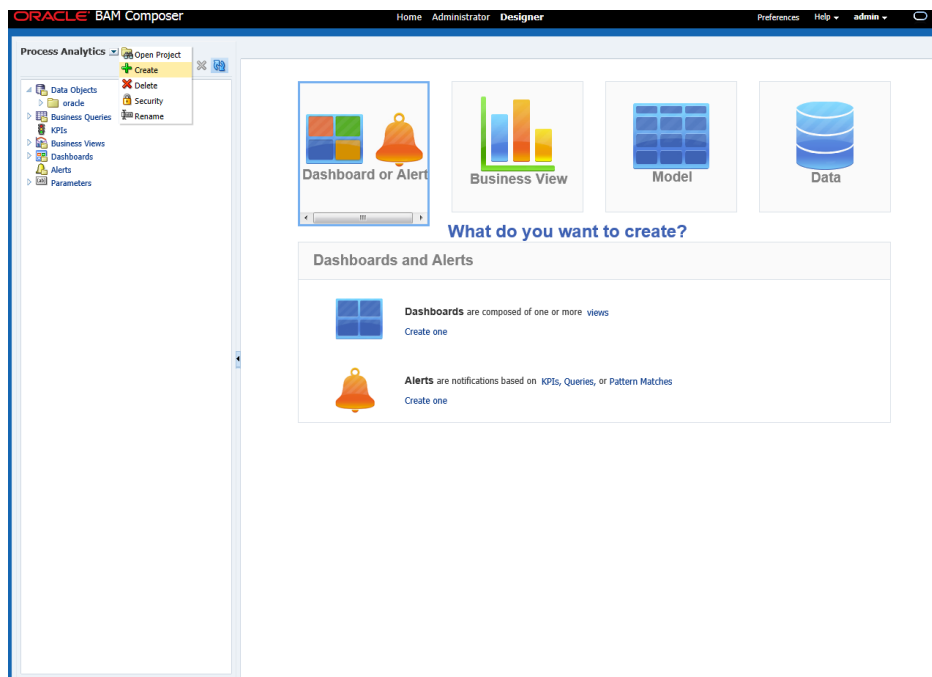
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<BAMCommandConfig>
  <host>of52221222</host>
  <port>7404</port>
  <username>weblogic</username>
  <password>V2op1Se+pf0h2obpazxswmxyk6jxvqt8qvCu85pv1QnkpxfF1ux3c3EgrmV1z</password>
  <dbuser>DEV12_SOAINFRA</dbuser>
  <dburl>jdbc:oracle:thin:@10ca1host:1521:xe</dburl>
</BAMCommandConfig>

```

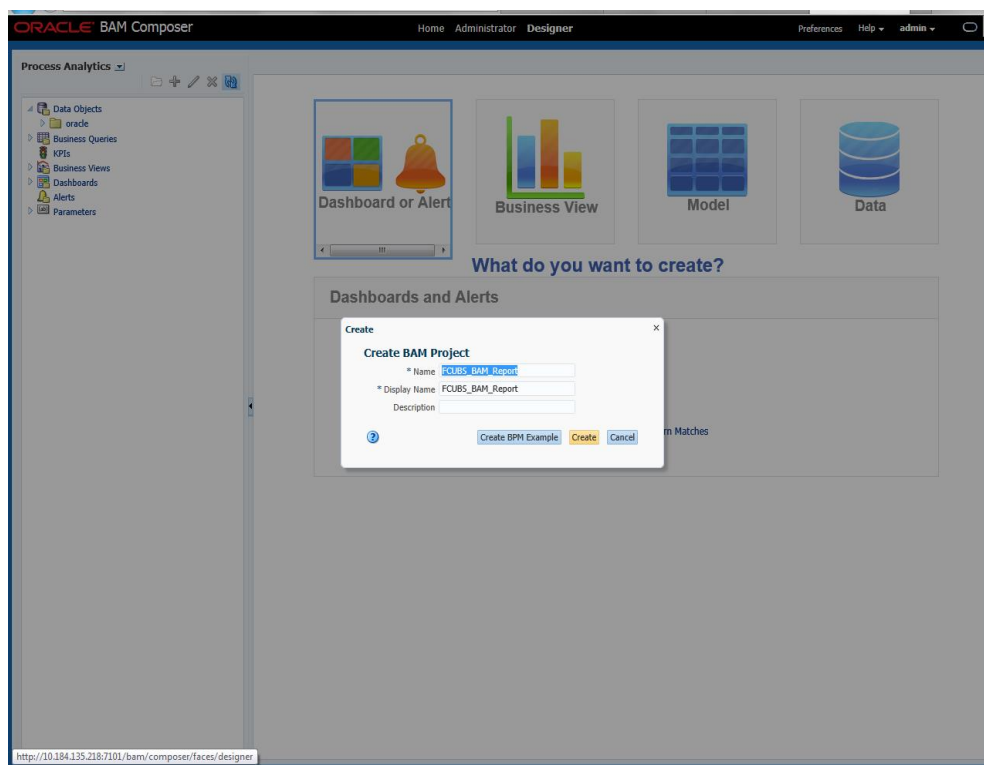
- 1) Login to BAM Composer. (<http://hostname:BAMserverPort/bam/composer>).
- 2) Go the Designer Page.

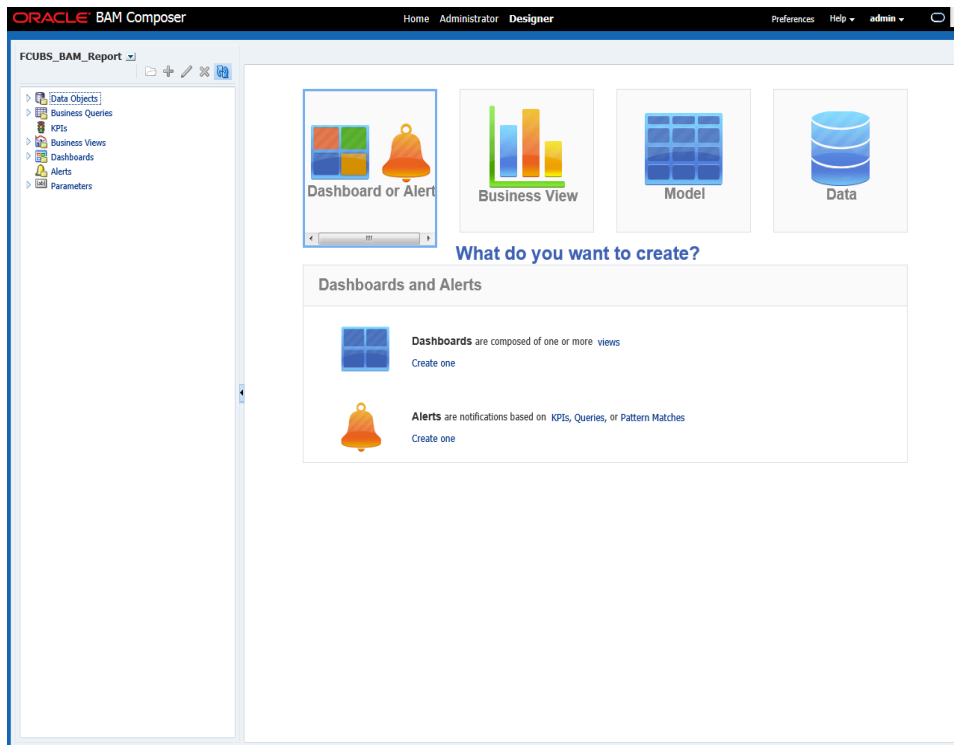


Click on create.



- Enter the Name and Display Name as **FCIS\_BAM\_Report** and click on Create button





- Set proper JAVA\_HOME.

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

- Execute the Below BAM Command to import the Dash Board in to the server.

**./bamcommand -cmd import -mode overwrite -name "FCUBS\_BAM\_Report/DifferentStagesOftheUser" -type dashboard -file "/scratch/app/Sample/DifferentStagesOftheUser.zip" from the below path MIDDLEWARE\_HOME\soa\bam\bin.**



FCIS Process Flow Deployment  
[May] [2022]  
Version 14.6.0.0.0

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