FCUBS Process Flow Deployment Oracle FLEXCUBE Universal Banking Release 14.5.4.0.0 Part No. F52800-01 [February] [2022]



Table of Contents

1. IN	ITRODUCTION	1-1
1.1 1.2 1.3	BACKGROUND Organization of the Document Acronyms and Abbreviations	
2. O	RACLE JDEVELOPER IDE	2-1
2.1 2.2	INTRODUCTION OBTAINING JDEVELOPER IDE	
3. CI	REATING APPLICATION SERVER CONNECTION	3-1
3.1 3.2	INTRODUCTION APPLICATION SEVER CONNECTION	
4. LO	OADING FCUBS PROCESS FLOWS IN ORACLE JDEVELOPER	4-1
4.1 4.2	INTRODUCTION LOADING THE PROCESS	
5. DI	EPLOYMENT PROFILE AND CONFIGURATION PLAN	5-1
5.1 5.2 5.3	INTRODUCTION UPDATING THE CONFIGURATION PLAN CONFIG PLAN CHANGES FOR BIPUTILITY PROCESS	
5.4 5.5 5.6 5.7	CONFIG PLAN CHANGES FOR DBUTILITY PROCESS. CONFIG PLAN CHANGES FOR GATEWAY PROCESS. CONFIG PLAN CHANGES FOR INITIATECORPISLAMICCONTRACT PROCESS. UPDATING THE DATASOURCE NAME	5-5 5-6
6. DI	EPLOYING A SINGLE COMPOSITE APPLICATION USING JDEVELOPER	6-8
6.1 6.2 6.3 6.4	INTRODUCTION Deploying the Application Introduction Deploying the Application	6-8 6-17
7. DI	EPLOYING MULTIPLE COMPOSITE APPLICATION USING JDEVELOPER	
7.1 7.2	INTRODUCTION CREATING THE DEPLOYMENT PROFILE	
8. DI	EPLOYING MDS APPLICATION USING JDEVELOPER	8-1
8.1 8.2	INTRODUCTION Deploying the Application	
9. DI	EPLOYMENT AND CONFIGURATION OF ORACLE BAM REPORTS	



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
ВАМ	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	ζ
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	
OK Cance	1

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



Oracle JDeveloper 12c - Test.jws : BpmProj		Road Long Wild, Proceeding, Deployment of				_ 🗆 🗙
ile Edit View Application Refactor S		ools <u>Window H</u> elp				
9 🗅 🖩 🗊 🤎 🔍 🔾 🕭	🛦 😫 🚜 🕨 🐞	Application Servers	Ctrl+Shift-G		Q. (Search	
Applications Application Servers ×	3 Start Page	Applications	Ctrl+Shift-A		Scripting Catalog	×
	Script Tasks for process Process	Ril Bookmarks	Ctrl+Shift-K	Select Imports	- contraining contraining	Edit Librari
Application Servers		■ Breakpoints	Ctrl+Shift-R		8 A Scripting Catalog	
		Components	Ctrl+Shift-P		🖲 🥠 com	
		Database	•		⊕ ⊲g groovy ⊕ ⊲g java	
		Debugger	•		🖲 👍 javax	
		Extension Diagnostics			🗉 🔩 org	
		III Issues				
		Java	•			
		Profiling	•			
		Log	Ctrl+Shift-L			
		R Process Asset Manager Navigator				
		Processes				
		Roperties	Ctrl+Shift-I			
		Resources				
		1 Structure	Ctrl+Shift-S			
		Tasks				
Structure ×		Ieam				
SPUCIAIRE A LAI		Thumbnail	Ctrl+Shift-T			
		TopLink Problems				
		Switch Window Layout				
		Configure Window	, ,			
		Reset Windows To Eactory Settings				
		Refresh ADF Library Dependencies in BpmF	roject.jpr			
		Assign Eile Accelerator	,			
No Structure		Simulations				
		Documentation				
		Close 'Application Servers'				
		Close All Documents				
		Close Other Documents				
	Designer Scripting Collaboration History	Documents	I			

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

Oracle JDeveloper 12c - Test.jws : BpmPro	jectjpr se		_ 🖬 📈
File Edit View Application Refactor	Search Navigate Build Run Team Tools Window Help		
	h ≜≌≓ > ♦		Q. Search
Applications Application Servers ×	3 Start Page 3 Process 5 Script Tasks for process Process	Select Imports	Scripting Catalog × Edit Libraries
Application Servers	Script tasks for process Process		Scripting Catalog
	Ctri+shim-F		🖲 🛶 com
Replace in Files			⊕ ⊲g groovy ⊕ ⊲g java
			E 🚓 lavax
New Application Server			B− 🏤 org
Import			
Export			
Refresh	F5		
Structure × 🗔			
No Structure			
	Designer Scripting Collaboration History		
Application Servers Log I Live Issues: Process -			
Abbication pervers war an one resides. Hocess	Total Champeren El accurration		

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



O Create Application Se	rver Connection - Step 1 of 3
Usage	0101010101010101010101010
Vsage Name and Type Finish	Indicate how the application server will be used.
<u>H</u> elp	< Back Next > Einish Cancel

- 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



O Create Application Serve	er Connection - Step 2 of 3	X
Name and Type		5
Name and Type	Specify a unique name and type for the connection. The name must be a valid Java identifier. Create connection in: IDE Connections <u>Connection Name:</u> Dev Connection <u>Type:</u> WebLogic 12.x •	
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Ca	ancel

- 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

O Create Application Ser	ver Connection - Step 3 of 6	×
Authentication		
Usage	Specify a username and password to authenticate the connection.	
Name and Type	Username:	
Authentication	weblogic	
Configuration	Password:	
U Test	•••••	
- Finish		
Help	Back Next > Finish Cancel	
	Cancel	

- 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



O Create Application Serve	er Connection - Step 4 of 6
Configuration	
Usage Name and Type Authentication Configuration Test Finish	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: SSL Port: 7401 7002 Always use SSL WebLogic Domain: dev_domain
Help	< Back Next > Einish Cancel

- 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 \rightarrow File \rightarrow Open

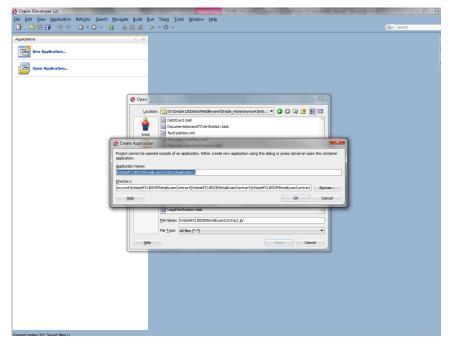
👌 Oracle JDeveloper 12c - Sample.jws :	FileAdapter.jpr	N. M. Personalities, Sugar-	and Real Property Real Property Name	And Person Name of Street of St	_ 0 <mark>_</mark> ×
Eile Edit View Application Refac	tor <u>S</u> earch <u>N</u> avigate <u>B</u> uild <u>R</u>	un Tea <u>m T</u> ools <u>W</u> indow	Help		
<u>N</u> ew	🖸 🗸 i 🤮 i 🏯 💥 🚜 i	> 👙			Q- Search
Dpen Ctrl-O					
Reopen •	×				
Close Ctrl-F4	• •				
Close All Ctrl+Shift-F4					
X Delete Application					
Save Ctrl-S					
Save As					
Save As HTML	e				
🗊 Save A <u>l</u> l					
Rename					
Import					
Export					
Compare With					
Replace With					
-					
Page Setup Print Ctrl-P					
Print Preview					
Print Area					
Exit Alt-F4					
EXIL AILT4					
± Application Resources					
In 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		the second se	the second se	- 0 X
Eile Edit View Application Refactor Search	avigate <u>B</u> uild <u>R</u> un Tea <u>m</u>	Tools Window Help		
💽 - 🗁 🗒 🗊 🕬 🕲 - 🕥 - 🔒		• ·		Q+ (Search
Applications	×			
New Application				×
Open Application				ė
	Open			
		t: {Oracle 12Clatest {Viiddeware {Oracle_Home {mywork {Initi v } 💿 💿 🖡		
	· · · · · · · · · · · · · · · · · · ·	ocumentationandTCVerification.task ult-policies.xml		
		excube_interface.wsdl		
		excube_interfaceWrapper.wsdl		
	Home	excube_interfaceWrapper1.wsdl		
		itilateFCUBSORRetailLoanContract.jpr itilateFCUBSORRetailLoanContractApplication.jws		
		itiate=CUBSORRetail.coarContractDocumentation.xml		
	Desktop 👝	itiateFCUBSORRetailLoanContractTesting_cfgplan.xml		
		itiateKYCCheckFCUBSORService.wsd		
		itiateRiskEvaluationFCUBSORService.wsdl	- I.	
		tDelivery.task		
	a ka			
		galVerification.task	<u>*</u>	
	Ele Na	me: InitiateFCUBSORRetailLoanContract.jpr		
	File Ty	pe: All files (*.*)	-	
	Help	Open	Cancel	
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.



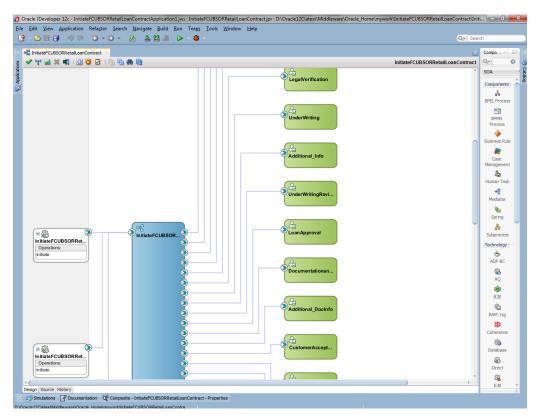
• The process flow is loaded into JDeveloper and is displayed as given below



Ications ··· Application Servers				× 1
	3) Start Page × +	etailMudharabaContract	15	
Test		etailMudharabaContract		
nojects 🔃 🔞 • 🖓 • 🐲 •		SOA		
Down-ayment.task Down-ayment.task FinancingTransactionInitiation.task		Compon	and the local data in the loca	
Financing Hansacuonanaauon task Financing Hansacuonanaauon task	Financing Transa.			
InitiateKYCCheckFCUBSORService.wsd	Priston grantes.	A	S	
Initia eRetailMudharabaContract		BPEL Propes	BPMN Process	Business Rule
InitiateRetailMu file:/D:/Install_Testing/To_Read/InitiateR	tail Mudharaba Contract/Initiate Retail Mudharaba Contract Re	ntract/composite.xml 🛛 🕷	4	-
InitiateRetailMudharabaContractDocumentation.xml	ApplicationFollow	Case Manager		Mediator
InitiateRiskEvaluationFCUBSORService.wsd				
w kpis.kpi		Sa 1	*	
- b LegalVerification.task		Spring		
- b ManualRetry.task				
-a measurements.xml	ApplicationEnrich_	Properties		
- 📩 OrachestrationProcess.bpel		• Q. FI	bod	
- OrachestrationProcess.wsdl -		- 4 1	iiu	
pplication Resources				
ata Controls	€ LegalVerification			
ecent Files	LegalVerification			
forking Sets				
teRetail/ludharabaContract - Structure				
8	CollateralEvolual			
Issues (29)	CollateralEvaluati			
Generated by Oracle SOA Modeler version 11.1.1.7.0 at [3/4/15 6:5				
> composite				
- O import				
- O import				
- O import	Design Source History	Catalog		×
- O import	Messages - Log Live Issues: InitiateRetaiMudharabaContract - Issues 🗵 Simulations Documentation			
- O import				
- O import	😫 0 🛦 29 🗐 0 🕕 0 🔁 0 🖉 •	4		
- O import				
- O Import				
import				
• import				
• import			No Catalog	
e oservice - InitiateRetailMudharabaContract_client_ep	No Issues			
- O property - compositeID				

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

• Clicking on the "composite.xml" under "SOA" 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.



📀 Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr	
Eile Edit View Application Refa <u>c</u> tor Search Navigate Build Bun Tea <u>m</u> Iools Window Help	
	Qv Search
Applications A	
Verv Verv Application Application Forme	
the Cover	Cance
al Application Resources al Data Controls al Recent Mes 2	

• 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 :cport>/em">http://chostname>:cport>/em

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



← → C ① 10.184.133.18	0:7040/em/faces/as-weblogic-webLogi	icDomainHome?type=weblogic_do	omain	⌖=/Do	main_soa_domai	n/soa_domain			Q 🏠 🌆	
	Inager Fusion Middleware Control 12c							K WebLogic Dom	ain v weblog	ic • •••
soa_domain •									 Auto Refress av 22, 2017 1:20:2 	
Servers 2 up Clusters		AdminServer ofise220228 in oracle.com 7840						μ	ov 22, 2017 1:2012	299151
0 .	View - Create Contro	ol v Ey								
Clusters	Name	Si	tatus	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Heap Usage (MB)
Deployments	AdminServer(admin) soa_server1		† †		Machine1	Running	ок	7040	0.14	1,102.33
6 Down ► 18 Up										
Domain Partitions Ocmain Partitions Resource Group Templates										
	Columns Hidden 33								Serv	ers 2 of 2

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

Click on SOA

RACLE [®] Enterprise Manage	er Fusion Middleware Control 12c							👫 WebLogic Dom	ain v weblo	gic 🔻 🛶
get Navigation								<u> </u>	 Auto Refre: 	sh Off 1
N V								Б	lov 22, 2017 1:32:	05 PM IST 숙
Application Deployments	Server									
SOA		Name AdminServer								
Webt or Comain		Host ofss220228 in oracle.com								
1 isoa_domain	Liet	ten Port 7040								
AdminServer	Liou	in Fort 7040								
soa_server1										
Coherence Clusters Metadata Repositories	:reate 🔀 Delete	Control w								
User Messaging Service			Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Heap Usage (MB)
	dmin)		+			Running	ок	7040	3.85	1,251.38
			+		Machine1	Running	OK	7043	2.55	1,336.81

Click on the Target SOA server



ORACLE' Ent	erprise Manager Fusion Midd	eware Control 12c	🔚 WebLogic Domain 🔻 weblogic 👻
	🖿 SOA		Nov 22, 2017 1:40:57 PM IST
farget	Туре	Full Name	
soa-infra (soa_server1)	SOA Infrastructure	/Domain_soa_domain/soa_server1/soa-infra	

RACLE Enterprise Manager Fusion Middleware Control 12c		語	NebLogic D	omain v weblogic v
Soa-Infra H SoA Infrastructure showed SOA Folder Deproyed Composities Flow Instances Error Hospital				Nov 22, 2017 1:42:37 PM 1
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.				
how only active composites	Composite v			
Vyew 🔻 Start Up. Activate Set As Default Deploy Undeploy Redeploy				
Composite	SOA Folder	Status	Mode	Deployed ? 🔺 🔻
OpenCurrentAccount [3:0]	default	+	Active	Oct 13, 2017 12:05:2
ORGatewayService [18]	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
OpenRetaiTermDepost [10]	default	+	Active	Jun 13, 2017 2:18:07
InitiateCorpMusharakaContract [9:0]	default	1	Active	May 18, 2017 2:50:23
CRPProcess[1:0]	default	+	Active	May 12, 2017 10:26:3
COLLATProcess [1.0]	default	1	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
InitiateRetailijarehaContract [3.0]	default	Ť	Active	Apr 25, 2017 12:07:1
InitiateCorplatisnaContract [1.0]	default	1	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.



ive Retire Shut Down Test Settings 🔻 🤧				& Related Links
				J" Related Links
shboard Composite Definition Flow Insta Test Service rests Policies				
Components				
lame				Component Type
CDMediatorProcess				BPEL
CreditApproval				Human Workflow
ExternalCreditRating				Human Workflow
DecisionProcess				BPEL
BPELLimitReviewProcess				BPEL
ManualRetry				Human Workflow
LimitReviewInitiationTask				Human Workflow
PendingWithCustomer				Human Workflow
CreditDecision				Human Workflow
Services and References				
lame	Туре	Usage	Total Messages	Average Processing Time (sec)
cdmediatorprocess_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.

DRACLE Ent	terprise Manager Fusion Middle	ware Control 12c	te WebLogic D	omain 🔻	SOA Infi	rastructure 🔻	weblogic 🔻	
BPELLimitRe						Mar 29,	2016 3:57:10 PM	IST 👈
Test Web Service						Test We	Service	^
Use this page to test any W	SDL or WADL, including WSDLs or W		b service, enter the WSDL or WADL and click Parse WSI peration/Media type that you want to test. Specify any inp			age refreshes	vith the	
WADL	220216 in oracle com 7403/soa-infra	/services/default/BPELLimitReview/icdme	tilatorpro					
Service icdmediatorp	rocess_client_ep							
Port ICDMediatorF								
Operation process -								
	20216 in grada com 7/03/ega-infra/e	ervices/default/BPELLimitRevi Edit Endp	oint IIRI 🔲					
-	20210.0.01006.000.1403/303-00183	Encesterialises Eleminates Eureling						
Request Response								E
Security								
Quality of Servi	ce							
HTTP Header								
Additional Test	Options							
Input Argument	ts							
Tree View Enable	e Validation 👽 Load Payload	Browse No file selected.	ave Payload					
SOAP Body								
View v 🗑 Detach	1							
Name	Туре	Value						
* payload	payload							
Request Response								-



• 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

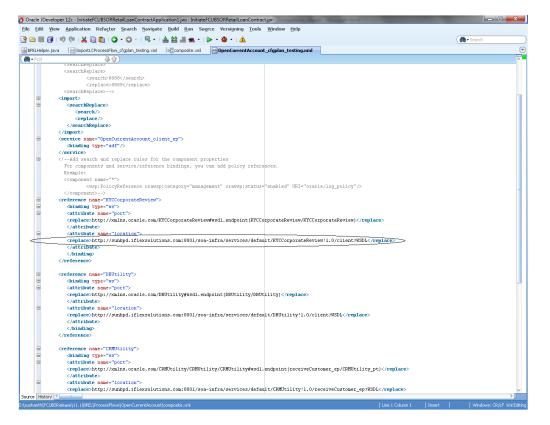
5.1 Introduction

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

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.

Oracle JDeveloper 12c - Test.jws : InitiateRetailMudharabaContr	$act.jpr: D: \label{eq:link} IntiateRetailMudharabaContract \link act. \label{eq:link act} IntiateRetail\link \label{eq:link act} IntiateRetail\link act. \label{eq:link act} IntiateRetail\link act. \label{eq:link act} IntiateRetail\link \label{eq:link act} IntiateRetail\link \label{eq:link act} IntiateRetail\link act. \label{eq:link act} IntiateRetail\link act. \label{link act} IntiateRetail\link \label{eq:link act} Intiate$	harabaContract\InitiateR	RetailMudharabaContra 👝 回 🗾 🏹
File Edit View Application Refactor Search Navigate B	uild Run Source Team Tools Window Help		
9 0 0 0 0 A			Q. Search
	· ·		Ge Search
Applications × Application Servers	dl 🧧 pom.xml 🔹 LegalVerification.task 🛛 🗠 InitiateRetailMudharabaContract_cfgplanDev.xml 👋	T 🗩 🗖	Components × 🗔
Test v			Q-(0
⇒ Projects 🔍 🐼 • 🝸 • 🛣 •		Contract of the second se	
DBUtility.wsdl	//reference>	And a set of the set o	XML *
Documentation TCVerification.task	<pre></pre> <pre><</pre>	AND BE DOLODING THE REAL	o 📮 o
a DocumentationFollowup.task	Schuling type="kg">		#cdata-s #comment #process
a DownPayment.task	<pre>attribute name="port"></pre>	Value of the second sec	
- A FinancingTransactionInitiation.task	<replace>http://xmlns.oracle.com/SendMailNotificationFCUBSORService/SendMailNotificat:</replace>	Caracter and Table conference international for the response and a principal principal or Caracter (Caracter)	A
Flexcube_interface.wsdl			#text
InitiateKYCCheckFCUBSORService.wsdl	attribute name="location">		
Initiatek YCCheck+CUBSORService.wsdi InitiateRetailMudharabaContract	<replace>http://ofss220216:7403/soa-infra/services/default/SendMailNotificationFCUBSOF</replace>		
InitiateRetailMudharabaContract_cfgplanDev.xml		entres and facilitations and they also all's observe and facilitation backets of the	
InitiateRetailMudharabaContract_testing_124_cfgplan.xml		Version B. M. "Heat of a deal formation of the second strength of the second strengthofthofthofthofthofthofthoftho	
- Martial Initiate Retail Mudharaba Contract Documentation.xml	<pre>reference name="RiskEvaluationService"> </pre>	Contracts and Party in Particular Contract Traces and and information and Party in Party and Party in Party in Party in Party and Party in Party	
InitiateRiskEvaluationFCUBSORService.wsdl	O (binding type="wa"> (attribute name="port")	And and a set of the contract	2
- 🞯 kpis.kpi		California de la companya	composite - Properties ×
- 🍰 LegalVerification.task	<pre><replace>http://xmlns.oracle.com/SubProcess/InitiateRiskEvaluationFCUBSORService/Init; </replace></pre>	Line and Lin	• Q Find
- 🍰 ManualRetry.task .	<attribute></attribute>	sector and parts and a logical sector in the Color and Adapted when consider as	- Q TING
± Application Resources	<pre>cattribuce>http://ofss220216:7403/soa-infra/services/default/InitiateRiskEvaluationFCUB5</pre>	Charley Concern Concern	o name: InitiateRetailMudharabaContract
± Data Controls	<a th="" tributes<=""><th>Consider and Parcel Consider and Parcel Control for a control of the Control of the Control of the</th><th>and a state of the state of the</th>	Consider and Parcel Consider and Parcel Control for a control of the Control of the Control of the	and a state of the
± Recent Files		States and	
± Working Sets		Comments Confirmer and Charling Station (address of a Confirmer and Charling Station)	
	<pre>creference name="KYCCheckService"></pre>	Contraction (Section 1) Contraction (Contraction Contraction (Contraction) Contraction (Contraction)	
InitiateRetailMudharabaContract_cfgplanDev.xml - Structure	Solution (see a second seco	Contract of the Contract of th	
12 48	attribute name="port">	 Contract and Contraction and Contraction (
© composite	<pre><replace>http://xmlns.oracle.com/SubProcess/InitiateKYCCheckFCUBSORService/InitiateKYC</replace></pre>	COLUMN CONTRACTOR OF A	
Add search and replace rules for the import section of a composite		Contract Contractor American State Antideogrammer Advances and Party	
		CONTRACTOR OF CO	
B 😳 import			
Service - InitiateRetailMudharabaContract_client_ep	<pre>G <reference name="CollateralProcess"></reference></pre>	Internet and residue to a factor	
- InitiateRetailMudharabaContract_clie	Add search and replace rules for the binding properties		
	<pre>G <pre>cbinding type="direct"></pre> <pre>G <pre>cproperty name="java.naming.provider.url"></pre></pre></pre>	MUCCAN SHOULD CARDON PARTY INTO A	Catalog × 🗉
	<pre>cycopercy name= java.naming.provider.uri ></pre>		
		Second Se	
Service - TaskService		Contraction Contraction of Contraction of Contracti	
		The second secon	
	<pre>Creference name="KYCVerificationService"></pre>	Contract to an original of the second second when responses contract contract	
I service - TaskService	<pre>cbinding type="ws"></pre>	A DESCRIPTION OF A DESC	
	G <attribute name="port"></attribute>	CREATE Commente Competence	
	<replace>http://xmlns.oracle.com/bpmn/bpmnProcess/KYCCorporateReview#wsdl.endpoint(KY(</replace>		No Catalog
Service - TaskService			
	<pre>cattribute name="location"></pre>		
	<pre><replace>http://ofss220216:7403/soa-infra/services/default/KYCCheck/KYCCheck_client_ep </replace></pre>		
service - TaskService		and department of the local sector of the se	
Service - TaskService		COMPANY COMPANY	
- O service - TaskService	soaconfigolan v composite v 142:19 v	-final-low	
	Source History		
I ive Issues: InitiateRetailMudharabaContract_cfonlanDev.xml - Issu	😆 🔄 Simula D.\ Install. Testino\To. Read\InitiateRetailMudharahaContract\InitiateRetailMudha	tract) Toltisto Rotal Mudbarak	haContract) InitiateRotailMudharahaContract_cfonlanD

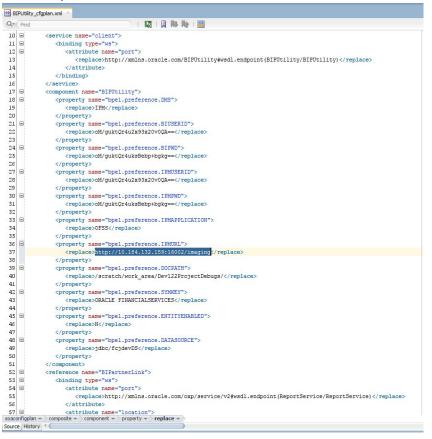
5.3 Config plan changes for BIPUtility process.

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

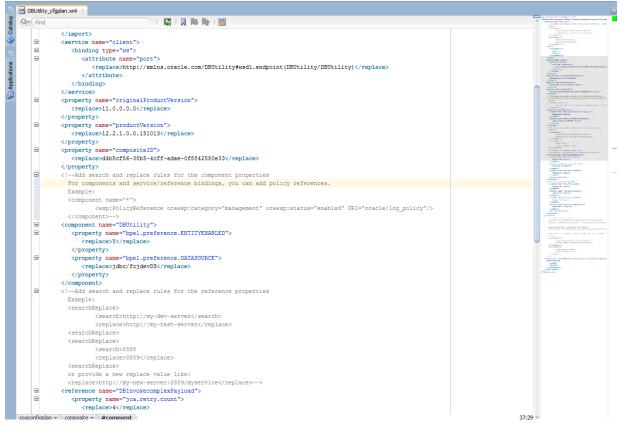




5.4 Config plan changes for DBUtility process.

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.

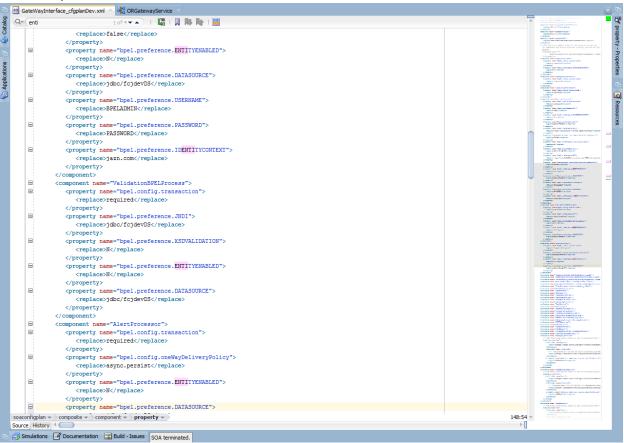




5.5 Config plan changes for Gateway process.

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

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

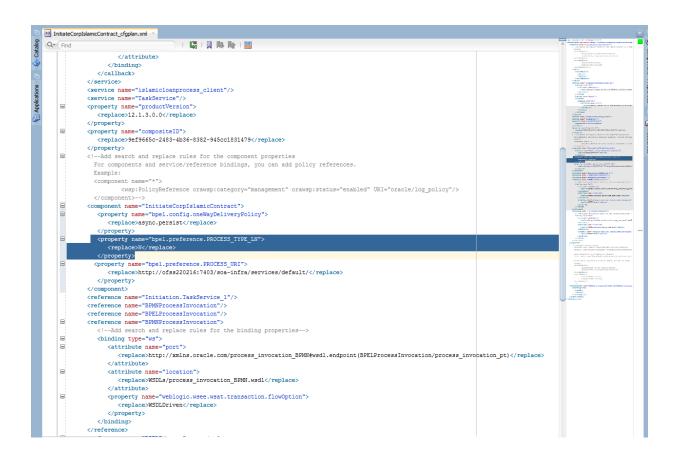




5.6 <u>Config plan changes for</u> InitiateCorpIslamicContract process

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





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.



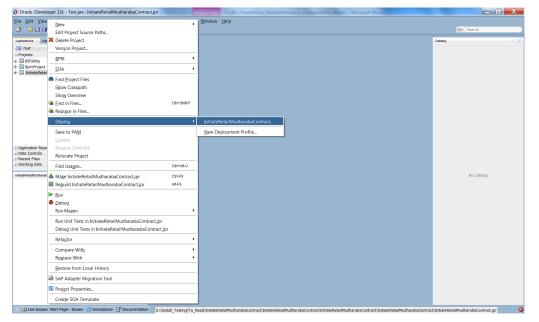
6. Deploying a Single Composite application using JDeveloper

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.



• The wizard shows the "Deployment Action" screen .Select 'Deploy to Application server' and click 'Next'



Deploy InitiateRetai	IMudharabaContract	
Deployment Action	n	
Deployment Actio	Select a deployment action from the list below.	
Deploy Configuration	beploy to replication berver	
ပ် Summary	Generate SAR File	
	Deploy this archive to SOA configured Application server(s)	
< <u>←</u> →		
<u>H</u> elp	< <u>B</u> ack <u>Next</u> > <u>E</u> inish Cancel	

- 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 Configuration Deploy Configurat Deploy Configurat Select Server SOA Servers Summary Project: InitiateRetailMudharabaContract Current Revision ID: 2.0 New Revision ID: 2.0 SOA Configuration Plan Do not attach InitiateRetailMudharabaContract_cfgplanDev.xml InitiateRetailMudharabaContract_testing_124_cfgplan.xml
Composite Revision ID Select Server SOA Servers Summary SoA Configuration ID: 2.0 New Revision ID: 2.0 SOA Configuration Plan O not attach InitiateRetailMudharabaContract_cfgplanDev.xml InitiateRetailMudharabaContract_testing_124_cfgplan.xml
Overwrite any existing composites with the same revision ID. Keep running instances after redeployment. Use the following SOA configuration plan for all composites: Help Kepp Ket > 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.

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 InitiateFCUBSOR	RetailLoanContract	
Select Server		
		_
Deployment Action	Application Servers:	
Deploy Configuration	IntegratedWebLogicServer]
Select Server	IUT	
SOA Servers		
OSummary		
	✓ Overwrite modules of the same name	
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish 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 InitiateRetai	IMudharabaContract				X
Select Server					
Deployment Action Deploy Configuration Select Server SOA Servers Summary	Application Servers: IntegratedWebLogicServer (domain u	nconfigured)			
()	✓ Overwrite modules of the same na	me			
Help		< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

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



O Create Application	Server Connection - Step 1 of 2	X
Name and Type	010101010101017017017010101017017017010101017017	F
Name and Type	Specify a unique name and type for the connection. The name must be a valid Java identifier. Create connection in: IDE Connections <u>Connection Name:</u> IUT Connection <u>Type:</u> WebLogic 12.x	
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > <u>Einish</u>	Cancel

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

Create Application S	erver Connection - Step 2 of 5
Authentication	
Name and Type Authentication Configuration Test Finish	Specify a username and password to authenticate the connection. Username: weblogic Password:
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel

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



O Create Application	Server Connection - Step 3 of 5
Configuration	
Authentication Configuration Test Finish	WebLogic Server connections use a host name and port to establish a connection. The Domain of the target will be verified WebLogic Hgstname (Administration Server): 10.184.132.228 Port: SSL Port: 8001 8002 Always use SSL
	WebLogic Domain: soa_server_bpel
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel

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

Create Application	Server Connection - Step 4 of 5
Test	
Vame and Type Authentication Configuration Test Finish	Click Test Connection to determine if the information specified successfully establishes a connection with the application server. Est Connection Testing HTTP Authentication Testing JBR-160 DomainRuntime Testing JBR-89-DOLL Testing JBR-89-DOLL Testing JBR-89-DOLL Testing JBR-89-DOLL Testing JBR-89-DOLL Testing JBR-160-MER-MER Testing JBR-160-MER-MER Testing JBR-160-LOLL Testing JBR-160-LOLL Testing JBR-160-LOLL Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Total Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Total Testing JBR-160-Testing JBR-160-Total Testing JBR-160-Total Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-160-Testing JBR-100-Testing JBR-100-Testing JBR-100-Total Testing JBR-100-Total Testing JBR-100-Testing JBR-100-Total Testing JBR-100-Total Testing JBR-100-Testing JBR-100-Total Testing JBR-100-Total Testing JBR-100-Testing Testing JBR-100-Testing JBR-100-Testing JBR-100-Testing JBR-100-Testing JBR-100-Total Testing JBR-100-Testing Testing JBR-100-Testing JBR
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel

• And Once the connection is created, click on Finish



O Create Application	Server Connection - Step 5 of 5				X
Finish			01010101	01010101919191919191	F >
Name and Type Authentication Configuration Test	You have completed creat			Server Navigator.	
Help		< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

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

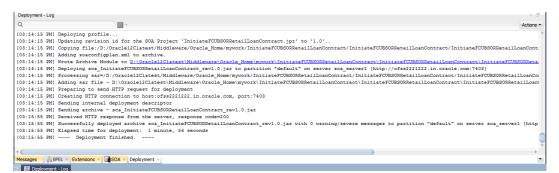
Deploy InitiateRetain	ilMudharabaContract
Select Server	
Deployment Action Deploy Configuration Select Server SOA Servers Summary	Application Servers:
Help	✓ Overwrite modules of the same name < Back Next > Einish Cancel

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



Deploy InitiateFCUBSOR Summary Deployment Action Deploy Configuration Select Server SOA Servers Summary	RetailLoanContract X Deployment Summary:
Help	Shared Library : No

• 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 <u>http://<hostname>:<port>/em</u>
- Expand SOA >soa-infra and view all deployed applications



C 🖸 10.184.133.180:7040/em/faces/ai/soa/infra?type=oracle_soainfra⌖=%2FDomain_soa_domain%2Fsoa_domain%2Fsoa_server1%2Fsoa-	nfra			ର 🕁 🥯 🕻	0
DRACLE Enterprise Manager Fusion Middleware Control 12c		(E)	WebLogic E	lomain v weblogic v	
Soa-Infra 0 Hostinaturute + thead SOA Folders Deployed Composities Flow Instances Error Hospital				Nov 22, 2017 4:50:21 PM	IST
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.					
now only active composites 🗔 Search	Composite V				C
View 🔻 Start Up., Activate Set As Default Deploy Undeploy Redeploy					
Composite	SOA Folder	Status	Mode	Deployed ? A 🔻	
OpenCurrentAccount [3.0]	default	+	Active	Oct 13, 2017 12:05:2	
ORGatewayService [1.8]	default	1	Active	Sep 27, 2017 9:07:04	
ORGatewayService [1.7]	default	1	Retired	Sep 27, 2017 3:23:30	
InitiateRetailLoanContractFCUBSORService [2.0]	default	+	Active	Sep 6, 2017 4:24:39 PM	1
OpenSavingsAccount [3.0]	default	1	Active	Aug 30, 2017 4:50:46	
OpenCurrentAccount (2.0)	default	1	Retired	Aug 9, 2017 1:16:48 PM	
ORGatewayService [1.4]	default	1	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	
OpenRetailTermDepost [1.0]	default	+	Active	Jun 13, 2017 2:18:07	
InitiateCorpMuthanakaContract [9,0]	default	+	Active	May 18, 2017 2:50:23	
CRPProcess [1.0]	default	1	Active	May 12, 2017 10:26:3	
COLLATProcess [1.0]	default	1	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	1	Active	May 11, 2017 7:07:07	
BPELCRPProcess [1.0]	default	1	Active	May 11, 2017 6:59:01	
BPELCOLLATProcess (1.0)	default	1	Active	May 11, 2017 6:34:57	
InitiateRetailMurabahContract [6.0]	default	1	Active	Apr 26, 2017 4:01:33	
InitiateRetailjaraheContract [3.0]	default	1	Active	Apr 25, 2017 12:07:1	
 InitiateComistisnaContract [1.0] 	default	+	Active	Apr 18, 2017 11:06:17	-12

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	
<u>File Edit View Application Refactor Search Navigate Build Run Team Iools Window H</u> elp	
• ▷ □ □ □ • ○ • ○ • ○ • ○ • ○ • ○ • ○ • ○ •	
	_
Applications × •	1.0
Applications × =	1
TritiateFCUBSORRetail.coanContractApplication 1 V	4
⊴ Projects Q 00 • ♥ • 52 •	5
InitiateFCUBSORRetail.comContract	
éria BPM ▶	-
General SOA Edit Project Source Paths	
🔅 - 🤄 Events 🔀 Dejete Project	
🖶 🛅 Schemas Version <u>Project</u>	
Ben	
B Transformations SOA	
Bond WSDIs	
🖶 🧰 xsd 💏 Find <u>Project Files</u>	
B Show Classrath	
H G G G G G G G G G G G G G G G G G G G	
Adduonal_counto.task	
- Ca Additional_Info.task Deploy InitiateFCUBSORRetailLoanContract	
ApplicationEnrichment.task	
ApplicationEntry.task Saye to PAM New Deployment Profile	
- Ca ApplicationFollowUp, task Update	
BIPUtity.wsd Resolve Conflicts	
- Lig Business Indicators Relocate Project	
ChequeBook.task	
— ^A ColleteralCestoninycaton. ¹ / ₂ End Usages Ctri+AHU	
Test Constant Creation and Creation and Constant Co	
— ConastencivesorPayaaatorm	
- Carlo Debutary, Isak Refactor	
→ CoursentationandTCVerificatic Compare With	
in fault-policies.xml Replace With	
Require interface wid	
Restore interfaceWrapper.ws Restore from Local History	
Should interface Wapper 1/ SAP Adapter Migration Tool	
1 InitiateFCUBSORRetail.oanCor	
InitiateKYCCheckFCUBSORServ Create SOA Template	
InitiateRiskEvaluationFCUBSORService.wsd	
- 🕜 kpis.kpi	
- ද්යු LegalVerification.task	
ထို့ရှိ LoanApproval.task	
📸 LoanApprovalCheck. task	
±) Application Resources	
±) Data Controls	
±) Recent Files	

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



Deploy InitiateFCUBSOR	RetailLoanContract	
Deployment Action		
Deployment Action	Select a deployment action from the list below.	
Summary	Deploy to Application Server Generate SAR File Generate a SAR (.jar extension) file for the selected SOA project.	
Help	< Back Next > Einish Cancel	

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

Deploy InitiateFCUBSORF	RetailLoanContract	X
Deploy Configuration		
Deployment Action	ម្លា <mark>ផ្ល</mark> InitiateFCUBSORRetailLoanContract	
Deploy Configuration	Composite Revision ID	
Summary	Project: InitiateFCUBSORRetailLoanContract	
	Current Revision ID: 1.0	
	New Revision ID: 1.0	
	SOA Configuration Plan	
	O Do not attach	
	InitiateFCUBSORRetailLoanContractTesting_cfgplan.xml	
	Use the following SOA configuration plan for all composites:	
—) +		Browse
Help	< Back Next > Einish	Cancel

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



Oeploy InitiateFCUBSOR	RetailLoanContract
Summary	
Deployment Action Deploy Configuration Summary	Deployment Summary:
Help	< Back Next > Finish Cancel

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

Oracle JDeveloper 12c - InitiateFCUBSORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoAnContractApplicAp	anContract.jpr 🛛 👘 🏧
File Edit View Application Refactor Search Navigate Build Run Team Tools Window	Help
🕒 - 🗁 🗐 🗐 🔍 🕥 - 🕥 - 🔒 🛔 🎬 👗 🕨 - 🀲 -	Q. Search
Applications × •	
InitiateFCUBSORRetail.oanContractApplication 1	9 9
Transformations and an acceptance Projects	Gravan 1
Deployment - Log	× S
9	Actions -
.0.jar	
ontract_rev1.0.jar with 0 warning/severe messages to partition "default" on ser	ver som_serverl [http://ofss222122.in.orecle.com:7403]
ailLoanContract.jpr' to '1.0' rk/IniniareFUIBS0DerailLoanContract/IniniareFUIBS0DerailLoanContract/Ininiare	CUBSORRetailLoanContract/InitisteFCUBSORRetailLoanContractTesting_cfgplan.xml to soaconfigplan.
Home\mywork\InitiateFCUBSORRetailLoanContract\InitiateFCUBSORRetailLoanContrac	\InitiateFCUBSORRetailLoanContract\deplov\sca_InitiateFCUBSORRetailLoanContract_rev1.0.iar
	0
Messages & BPEL × Extensions × Deployment ×	
Kessages Astronomic Action Astr	
	&Log
[3:30:56 PM] Compilation complete: 0 errors, 36 warnings.	
📀 🤁 👅 🔍 💽 🐛 🛃 🍝 📝 🗐	🛛 🧿 堅 其 📜 💊 🧿 🕢 🦝 📽 🕨 - 🛚 👘 🤋 👘

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



LOGIN TO ORACLE ENTERPRISE MANAGER FUSION MIDDLEWARE CONTROL 12c	
Domain Domain_soa_domain * User Name	
* Password	
Login	
	ORACLE

- 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_	🥑 File Upload	X	⊽ C' » ≡
		 ✓ 4 Search deploy 	weblogic 🔻 🚥
soa-infra soa-infra soa-infra select Archive Select Target Deploy SOA Composite: Sele This wizard lets you create a runtime environme a bundle containing revisions of multiple SOA o Specify the archive and configuration plan to de Archive or Exploded Directory You can deploy a Service archive (SAR) or a ZIP @ Archive is on the machine where this web	Create(Create() EQEXPr EQEXPr KXPNPr Class Clas	Image: Control of the second secon	Back Step 1 of 3 Next Cancel g Oracle Enterprise Manager. A single composite revision or evisions at once.
Configuration Plan The configuration plan is a file that contains the No external configuration plan is required. Configuration plan is on the machine where <u>Browse</u> No file selected. Configuration plan is on the server where E			

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



0	
Select Archive Select Target Confirmation	

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 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 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 shown below.

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

soa-infra 🚯													
Select Archive	O Select Target	Confirmation											
eploy SOA C	omposite: Conf	irmation @							Bac	K Step 3 of 3	Next	Deploy	Car
You are deploying the	e following SOA composit	te revision. Click "Dep	oy" to continue or o	click "Cancel" to ca	cancel this opera	ation.							
Comp	oosite Name EXPNProd	Cess											
Compos	ite Revision 1.2												
Archi	ive Location sca_EXPN	NProcess_rev1.2.jar											
Config	uration Plan No externa	al plan specified											
Deploy	ment Target /Domain_	.soa_domain/soa_dor	nain/soa_server1										
S	OA Partition default												
Default Revision													
	ill be deployed as the new yed Composites page the					version, pleas	e choose the '	"Do not change	" option below. Y	'ou can set a (different d	efault revisi	on la
Deploy as defau	It revision												
O not change the second sec	ne default revision												

• Click on "Deploy" to complete the deployment.

	iontrol 12c					weblogic	v
1 soa-infra 1							
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 "Deplo	y" 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 Succeeded						
Deployment Target /Domain_soa_domain/soa_dom	Composite "EXPNProcess [1.2]" has been successfully deployed.						
SOA Partition default	Summary						
	Deployment Target /Domain_soa_domain/soa_domain/soa_server1						
Default Revision	Archive Name sca_EXPNProcess_rev1.2.jar						
The above revision will be deployed as the new default revision of the any time in the Deployed Composites page that can be accessed from	n Close	ot change" option be	low. You	can set a dif	ferent de	afault revisio	on later at
Deploy as default revision							
Do not change the default revision							



→ C ① 10.184.133.180:704	0/em/1	aces/a	/soa/partitionHome?soaContext=default&type=oracle_soainfra⌖=%2FDomain_soa_domain%2F	Fsoa_domain%2Fsoa_server1%2Fsoa 🔍 🕁 🧔
	Fusion !	Aiddlewar	Control 12c	WebLogic Domain v weblogic v
🕇 soa-infra 0				
SOA Infrastructure 👻				Nov 22, 2017 7:03:51 PM IST
Infrastructure > SOA Folder				
default 🔻 SOA Folder				
shboard Deployed Composites Flow Inst				
incoard [pepioyed Composites] Flow inst	ances	Effor Hos		
Composites Control v Deployment v				P Related Links w
A Folders are logical groupings of composites t	to help yo	u manage	large deployments. The following SOA composite revisions are deployed in this folder.	
				Search Search Composite (full or partial name) Q
	-			Composite Revisions Found
	Status		Deployed ?	
InitiateRetalMurabahContract [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 10:28:39 AM	
OpenCurrentAccount [2.0]	-	Retired	Aug 9, 2017 1:16:48 PM	
	Ŷ	Active	Oct 13, 2017 12:05:20 PM	
		Active	Mar 27, 2017 9:58:47 PM	
TRUNProcess [1.0]	-			
TRUNProcess [1.0] CreateCorporateCustomer [1.0]	ŵ	Active	Jun 13, 2017 2:27:59 PM	
TRUNProcess [1.0] CreateCorporateCustomer [1.0] InitiateCorpljarahContract [1.0]	ି ଜ	Active	Apr 11, 2017 9.04:11 PM	
TRUNProcess [1.0] CreateCorporateCustomer [1.0] InitiateCorpljarahContract [1.0] InitiateCorpMurabahContract [1.0]	ଦି ଦି ଦି	Active Active	Apr 11, 2017 9.04 11 PM Mar 27, 2017 10 13 01 PM	
TRUNProcess [1.0] CreateCorporateCustomer [1.0] InitiateCorplarahContract [1.0] InitiateCorplAurabahContract [1.0] InitiateCorplationaContract [1.0]	ତ ତ ତ	Active Active Active	Apr 11, 2017 0.04 11 PM Mar 22, 2017 10:1301 PM Apr 18, 2017 11:06 17 AM	
TRUNProcess [1.0] CreateCorporateCustomer [1.0] InitiateCorpliarahContract [1.0] InitiateCorplutrabahContract [1.0] InitiateCorplutsnaContract [1.0] BPELCOLLATProcess [1.0]	0 0 0 0	Active Active Active Active	Apr 11, 2017 904 11 PM Mar 27, 2017 10:1301 PM Am 27, 2017 10:1301 PM Amy 11, 2017 10:34 35 PM	
TRUNProcess [1 0] OreateCorporateOutomer [1 0] InitiateContinut[1 0] InitiateContinut[1 0] InitiateContinut[1 0] InitiateContinut[1 0] BPLCOLLATProcess [1 0] InitiateRelatTavaroogContract [2 0]	0 0 0 0 0 0	Active Active Active Active Active	Apr 11, 2017 0.04.11 PM Mar 22, 2017 10:13:01 PM Apr 18, 2017 11:06 17 AM Mar 18, 2017 7:40:55 PM	
TRUNProcess [1:0] Created Customer [1:0] Initiate Corporate Customer [1:0] Initiate Corplara A Contract [1:0] Initiate Corplation A Contract [1:0] Initiate Corplation A Contract [1:0] Initiate Contract [1:0]	0 0 0 0 0 0 0 0	Active Active Active Active Active Active Active	Apr 11, 2017 0 04 11 PM Mar 27, 2017 10 13 01 PM Apr 11, 2027 1 10 05 7 PM May 11, 2027 1 05 07 7 PM Apr 8, 2017 7 40.65 PM Apr 8, 2017 7 40.65 PM	
TRUMPoces [1.0] Creat/Corporate/Curtomer [1.0] Initian/Corporate/Curtomer [1.0] Initian/Corporation/Contract [1.0] Initian/Corporation/Contract [1.0] EPELCOLUMProcess [1.0] Initian/PolyNation/Contract [2.0] Initian/PolyNation/Contract [2.0] Initian/PolyNation/Contract [2.0] Initian/PolyNation/Contract [2.0]	0 0 0 0 0 0 0 0 0 0 0 0 0	Active Active Active Active Active Active Active Active	Apr 11, 2017 304 11 PM Mar 27, 2017 10:1301 PM Amar 21, 2017 10:03 PM Apr 11, 2017 10:03 FM Apr 31, 2017 20 34 57 PM Apr 31, 2017 70:05 PM Sep 6, 2017 42:43 PM	
TRUNPICOLIS [1,0] Creat/Comparitie/Cultomize [1,0] Initiatic/Comparitie/Cultomize [1,0] Initiatic/Comparison/Contract [1,0] Initiatic/Comparison/Contract [1,0] Initiatic/Comparison/Contract [2,0] Initiatic/Cultomize [1,0] Initiatic/Cultomize [1,0] Initiatic/Cultomize [1,0] Initiatic/Cultomize [1,0] Initiatic/Cultomize [1,0]	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Active Active Active Active Active Active Active Active	Apr 11, 2017 09.4 11 PM Mar 27, 2017 10:13:01 PM Apr 10, 2017 10:63:7 PM Apr 10, 2017 7:055 PM Apr 11, 2017 3:455 PM Apr 11, 2017 7:4055 PM Apr 11, 2017 7:4055 PM Jun 16, 2017 4:12:47 PM	
FRUNPHOCES [1,0] Creat/Corporatio/Lunctomert [1,0] Creat/Corporatio/Lunctomert [1,0] Initiatic/Corporation/Contract [1,0] Initiatic/Corporation/Contract [1,0] Initiatic/Corporation/Contract [2,0] Initiatic/Failant/Numharia/Contract [2,0] Initiatic/Failant/Numharia/Contract [2,0] Initiatic/Failant/Numharia/Contract [2,0] Initiatic/Failant/Numharia/Contract [2,0]	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Active Active Active Active Active Active Active Active	Apr 11, 2017 304 11 PM Mar 27, 2017 10:1301 PM Amar 21, 2017 10:03 PM Apr 11, 2017 10:03 FM Apr 31, 2017 20 34 57 PM Apr 31, 2017 70:05 PM Sep 6, 2017 42:43 PM	
InitiateRetailTawarooqContract [2.0]		Active Active Active Active Active Active Active Active	Apr 11, 2017 09.4 11 PM Mar 27, 2017 10:13:01 PM Apr 10, 2017 10:63:7 PM Apr 10, 2017 7:055 PM Apr 11, 2017 3:455 PM Apr 11, 2017 7:4055 PM Apr 11, 2017 7:4055 PM Jun 16, 2017 4:12:47 PM	

• Check the deployed process from the enterprise manager console.



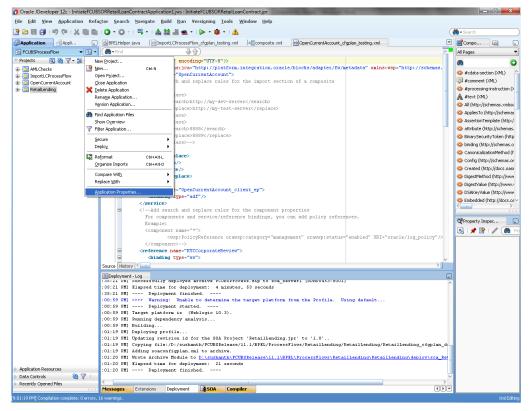
7. Deploying Multiple Composite application using JDeveloper

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.



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



Oracle JDeveloper 12c - InitiateFCUBS	ORRetailLoan	nContractApplic	ation1.jws : Initia	ateFCUBSOR	RetailLoanContr	actjpr	and the state of	Manhood Name				- 0 - X
Eile Edit Yiew Application Refa	ctor Searc	h <u>N</u> avigate	Build Run V	/ersigning	<u>T</u> ools <u>W</u> indo	w <u>H</u> elp						
🕒 🖻 🗐 🖃 🔍 🗮 🛍	0-0	- 🖷 - 🍐	8 # m -	🕨 - 🌞	• 🔺							💏 • Search
Application Applica	🔮 BPELHelp	er.java 🛛 🔯 Ir	nportLCProcessFic	ow_cfgplan_te	sting.xml	composite.cml	OpenCurr	entAccount_cfgpl	an_testingml			Compo
FCUBSProcessFlow • 🔂 •	🔁 • Find		3.4	6							2	All Pages 👻
🔻 Projects 💽 🏹 + 💯 + 🛛	- C	mi version	"1.0" encod:	ing-"UTF-8	"?>							8 O
AMLChecks		SORConfigPlan	xmins:jca='	"http://pl	atforn.integ	ration.orac	le/blocks/ad	spter/fw/met	adata" xmins	:wsp="http:	//schemas.	#cdata-section (17%L)
ImportLCProcessFlow	8	📥 Applicatio	on Properties	- D:\sushan	th\FCUBSReld	aseV11.1VAP	P\FCUBSProce	ssFlow.jws				#comment 074.)
OpenCurrentAccount E Retail.ending		(M)										4 #processing-instruction D
		(🏟 Search			oyment						1	A stext (XML)
		Applicatio			Qustom Settings				Customige Setting	gs		All (http://schemas.xmisoi
		Resource			Application Settin	196						ApplesTo (http://schemes
		⊛-Run			ment Profiles: FCUESProcess							AssertionTemplate (http:/
		WS Policy	Store		FCU65Process	(SOA Bundle)			Edit			attribute (http://schemas.
									New	v		BinarySecurityToken (http://www.securityToken.com/pii/securityT
	8								Dele	ete		binding (http://schemas.o
	8											CanonicalizationMethod (h Config (http://schemas.or
												Created (http://docs.oask
												DigestMethod (http://www
				✓ e	uto Generate and	Synchronize we	blogic-jdbc.xml D	scriptors During I	Deployment			OlgestValue (http://www.
	8			Sec	urity Deployment	Continuer.						DSAKeyValue (http://www
							owing security ob	ects if they were	previously			Embedded (http://docs.oz~
				de	ployed.							< >> >
					Application Polic Credentials	les						Property Inspec
						nimate the folio	ing security obje	14				
					Users and Group		ing second obje			100	policy"/>	
	8	L										
	Source Hist	Help						OK	Can	cel	> 1	
										-		
	Deployme	nt - Log 1 buccessrui	rà debroàsa	archive sc	UBSFICCESS.S	ip to sca_s	erveri (DDH)	0453:8001)			-	
] Elapsed ti:] Depl				seconds						
		>>>> Uarn				et platform	from the Pr	ofile. Usin	g default			
	:00:59 PM] Depl	oynent start	ed					-			
] Target pla] Running de			.3).							
] Building										
] Deploying										
] Updating r							ailLanding/F	at at 1 Landi:	ng cfgplan d	
	:01:19 PM	Adding soa	configplan.m	al to arch	ive.							
		Wrote Arch				ease\11.1\E	PEL\Process?	lows\RetailL	ending\Retai	llending\d	plov\sca_Ret	
Application Resources	:01:20 PM] Elapsed ti:] Depl	as for deploy	yment: 21 hed	seconds							
🕨 Data Controls 🛛 🥘 🍸 🗆		. vopa	.,								~	
Recently Opened Files	< Messages	Extensions	Deployment	2 SOA	Compiler							
9:01:19 PMI Completion complete: 0 errors, 3		Emensions	oepoyment	C. SUA	computer		_			_	CDC.	Xml Editing
		🖿 s w 🔹	Mann -	le Orad	L 6	W 1011	1 C	e ditel	Deplo	D unit.	far ddho	2011 Lating
	0		a reco	Crad	C 4 0	T 🙀 (D11	1 2 M 1	C00-1	Depio	Unce	an Odhp	9:45 PM

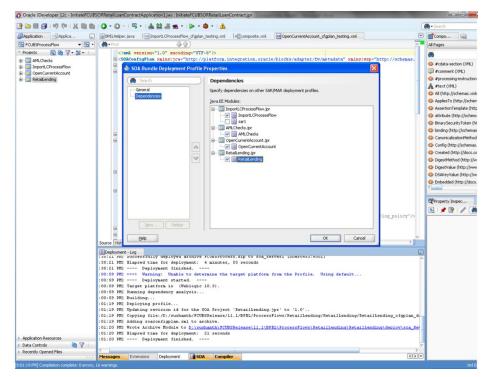
- The Create Deployment Profile dialog appears.
- In the Archive Type list, select SOA Bundle.
- In the Name field, enter a name and click 'OK'.

Oracle JDeveloper 12c - InitiateFCUB	SORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr	
Eile Edit View Application Refa	çtor Şearch Navigate Build Run Versi <u>o</u> ning Iools <u>W</u> indow <u>H</u> elp	
🔮 🗁 🖩 🗐 i 🤊 🔍 i 🗶 🗎 🛍	IQ • Q · I □ • I ▲ 論 ≝ ≝ • I ▶ • ★ • I ▲ (4	• Search
Application Applica	BPELHelper.java @ImportLCProcessFlow_cfgplan_testing.xml %Composite.xml @OpenCurrentAccount_cfgplan_testing.xml	Compo 🙀 💷
E FCUBSProcessFlow	(🚯 • Find 🖉 🏠)	All Pages 🔹
🗢 Projects 🔄 🥘 🍸 + 📴 + 🗌	<pre></pre> // <pre>// <pre>//</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	() ()
B-0 AMLChecks	SORConfigPlan xmlns:jca="http://platform.integration.oracle/blocks/adapter/fw/metadata" xmlns:wsp="http://schemas.	<pre> #cdata-section (XML) </pre>
ImportLCProcessFlow	🐸 🚵 Application Dreportion Dulaushapth/ECLIDCDelease/14.4/ADD/ECLIDCDresser/Elevenium	#comment (XML)
OpenCurrentAccount RetailLending		#processing-instruction ()
a a montany	Deployment	#text (XML)
	Application Create Deployment Profile	All (http://schemas.xmlsoi
	Resource Click OK to create your new deployment profile and immediately open it to see its configuration.	AppliesTo (http://schemas
	⊕-Run Archive Tunar	AssertionTemplate (http:/
	voide and a second seco	attribute (http://schemas.
	New	BinarySecurityToken (http://www.securityToken.com/page)
		binding (http://schemas.o
		CanonicalizationMethod (h
	Post bour	Config (http://schemas.or Created (http://docs.oasi
	Creates a Jow burdle for deploying indupie Jow Composites/netabata Archives as one archive	DigestMethod (http://www
	mana Makadaka Arabiuna (MADa)	DigestValue (http://www.v
		DSAKeyValue (http://www
		Sembedded (http://docs.ozv
	E Help OK Cancel	< <u></u>
		Property Inspec
	Decide whether to migrate the following security objects.	🕄 📌 💁 🥒 🎆 Fin
	Light and good	
	B Help OK Cancel V	
	Source Hits	
	Deployment - Log	
	:35:21 PH; Blapsed time for deployment: 4 minutes, 53 seconds	
	:35:21 PM] Deployment finished	
	:00:59 PH] >>>> Warning: Unable to determine the target platform from the Profile. Using default :00:59 PH] Deployment started	
	:00:59 yn] Deployment statted :00:59 yn] Target platform is (Weblogic 10.3).	
	:00:59 PHI Running dependency analysis	
	:00:59 PM] Building :01:19 PM] Deploying profile	
	.01.19 Ph 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 PH] Adding soaconfigplan.xml to archive. :01:20 PH] Wrote Archive Module to <u>D:\sushanth\FCUBSRelease\11.1\BPEL\ProcessFlows\RetailLending\RetailLending\deploy\sca_Ret</u>	
	:UI:20 ym] erote Archive module to <u>U_inversanthi Lubska kessili i NPAL Processions keta Lubnaindi keta Lubnaindi Geplovisca ke</u>	
Application Resources	:01:20 PH] Deployment finished	
Data Controls 🖓 🍸		
Recently Opened Files	Messages Extensions Deployment \$50A Compiler	
[9:01:19 PM] Compilation complete: 0 errors. 1		Xml Editina

- 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.

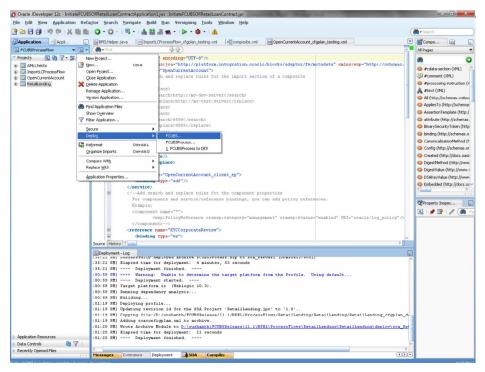


Click OK to close the Application Properties dialog.

Oracle JDeveloper 12c - InitiateFCUBS				and the second se		
3 🖻 🖩 🕄 🕫 🤍 🖷 🛍 🤶	0 - 🔘 -	- 🖷 + 🎄 🏙 🕌 🗮 + 🖡	▶ • ♣ • I 🛕		· · · ·	💏 🕶 Search
Application Applica	BPELHelpe		:fgplan_testing.xml 🔤 composite.xml 🛛 🐼 OpenCurrentAccour	nt_cfgplan_testing.xml	7	Compo
🔁 FCUBSProcessFlow 👻 🔁 🔹	🚺 🕶 Find	晏 合)			~	All Pages
🛛 Projects 💽 🍓 🍸 • 📰 • 🗌	52	xml version="1.0" encoding	-"UTF-8" 2>			#
AMLChecks	= <s< td=""><td>OAConfigPlan xmlns:jca="ht:</td><td>tp://platform.integration.oracle/blocks/adapter/f</td><td>w/metadata" xmlns:wsp="http://schene</td><td>s.</td><td></td></s<>	OAConfigPlan xmlns:jca="ht:	tp://platform.integration.oracle/blocks/adapter/f	w/metadata" xmlns:wsp="http://schene	s.	
ImportLCProcessFlow		Application Deposition D	\sushanth\FCUBSRelease\11.1\APP\FCUBSProcessFlow.	iws 🛛		#cdata-section (XML)
OpenCurrentAccount	8	 Application Properties - D. 	Isoshannini Cobskeleasetti . Tokep il Cobsetocessi low.	. Jws 🔼		💭 #comment (XML)
RetaiLending		(Search)	Deployment			#processing-instructio
		Application Content	Use Custom Settings	Customize Settings		#text (XML)
		Deployment		Customize secongs		All (http://schemas.xn
		Resource Bundles	Use Application Settings			AppliesTo (http://sche
		⊞ Run	Deployment Profiles:			AssertionTemplate (ht)
		WS Policy Store	FCUBSProcess (SOA Bundle)	Edit		Attribute (http://scher
			📃 FCUBS (SOA Bundle)	New		BinarySecurityToken (1
						binding (http://schema
	8			Delete		
						CanonicalizationMetho
						Config (http://schema
						Created (http://docs.
						OigestMethod (http://
			Auto Generate and Synchronize weblogic-idbc.xml Descriptors	During Deployment		OigestValue (http://w
						OSAKeyValue (http://
			Security Deployment Options			Embedded (http://doc
			Decide whether to overwrite the following security objects if the deployed.	ey were previously		Cimbedded (nttp://doc
			Application Policies			
			Credentials			Property Inspec
			Decide whether to migrate the following security objects.			🔣 i 📌 💁 i 🥒 🌘
			✓ Users and Groups	log_policy"	/>	
	8	Help		OK Cancel	~	
	Source Hist				> [
	Deployment	nt - Log	nive subbyrocess.zip to som serveri (DDHF0455:80	1011	_	
		Elapsed time for deployme			~	
	:35:21 PM]	Deployment finished				
			determine the target platform from the Profile.	Using default		
		Deployment started.				
		Target platform is (Webl				
		Running dependency analys	is			
		Building				
		Deploying profile	the SOA Project 'RetailLending.jpr' to '1.0'			
			<pre>/FCUBSRelease/11.1/BPEL/ProcessFlows/RetailLendir</pre>	w/Pataillanding/Pataillanding afmi-	m di	
		Adding soaconfigplan.xml		sy, secarabenuing, secarabenuing_cigpia	ar_d	
			:\sushanth\FCUESRelease\11.1\BPEL\ProcessFlows\Re	tailLending\RetailLending\deploy\sca	Ret	
		Elapsed time for deployme			-	
Application Resources	:01:20 PM]	Deployment finished				
Data Controls 🛛 🥘 🍸 🛛					~	
Recently Opened Files	< Messages	Extensions Deployment	\$SQA Compiler		> ••••	

Select the Application menu again, then select Deploy > SOA_bundle_name





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

Apploaten Resources Apploaten	Oracle JDeveloper 12c - InitiateFCUB	SORRetailLoanCon	tractApplication1.jws : Initiate	FCUBSORRetailLoanContra	act.jpr	of the Party of th		_ 0 <u>_ X</u>
Packbalann With the last of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration. Calculation department is a state of the packbalan integration of the packbalan integration. Calculation department is a state of the packbalan integration of the packbalan integration. Calculation department is a state of the packbalan integration of th	File Edit View Application Refa	<u>sc</u> tor <u>S</u> earch <u>N</u>	avigate <u>B</u> uild <u>R</u> un Ver	si <u>o</u> ning <u>T</u> ools <u>W</u> indov	w <u>H</u> elp			
Processive Image: I	🕑 🗁 🖯 🎒 L 🕫 🔍 L 🛍 🛍	0 - 0 - 1	🖳 • । 💩 😂 🚢 🐀 • ।	🕨 • 🎕 • I 🛕				💏 - Search
Option Version Image: Imag	Application Applica	BPELHelper.jav	a ImportLCProcessFlow	cfoplan testing.xml	composite.xml	OpenCurrentAccount cfaplan testing.xml		B Compo
Opened State Opened Version*1.0** Sector Opened Version*1.0** Sector Sector First Sector Sector Sector Sector Sector Sector <td></td> <td></td> <td>- und</td> <td>)</td> <td></td> <td></td> <td></td> <td></td>			- und)				
<pre>Product State State</pre>		1					1	
Deployment Action Deployment Deploymen		E <soro< td=""><td></td><td></td><td>ration.oracle</td><td>/blocks/adapter/fw/metadata" xmln</td><td>s:wsp="http://schemas.</td><td></td></soro<>			ration.oracle	/blocks/adapter/fw/metadata" xmln	s:wsp="http://schemas.	
Deployment Action Biskaterion Deployment Action Processing and apployment Action Deployment Action Deplo								
Deployment Action			Deploy FCUBS					
A distuijement Action Setex deployment Action Setex deployment Action Setex Configured Action	Retailending		Deployment Action				1	
Appleid on formation get a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment action from the list below. Property for the property in a diployment in the diployment			Deployment Action			01010101010101010404040404		
Appleadon Resources Appleadon Resources Appleadon Resources Appleadon Resources Appleadon Resources Appleadon								
Appleton Resource: 			Reployment Action	Select a deployment action	n from the list below	ч.		
<pre>spectrum Resources pagetotion Resources pageto</pre>			Deploy Configuration	Deploy to Application Serv	/er			
Application Resources Application Resources			Summary	Deploy to SOA Bundle				O BinarySecurityToken (http
<pre>epideton Resource:</pre>								binding (http://schemas.o
Appleation Resources								🐼 CanonicalizationMethod (h
Appleation Resources								Ocnfig (http://schemas.or
Application Resources 0 Digentify applied in a for the SOA Project 'Intending / betaillending /								Created (http://docs.oasi:
Application Resources								
Apploaton Resources Apploaton								
Application Resources								
Application Resources Application Resource Application Resources Application Resource Application Resources A								Sector Content of the sector o
Application Resources Application Applicati				Deploy this archive to SO	A configured Applic	ation server(s)		
Apploaten Resources Apploaten					ri con ngaroa rippic			Property Inspec
Application Resources								🖪 I 📌 💁 I 🥒 🎆 Fir
Application Resources							acle/log_policy"/>	
Application Resources								
Apploation Resources Packator Re			Help			<back next=""> Finish Cance</back>		
Image: State and the state of the stat								
Image: State and the state of the stat		Deployment - L	00				6	a
<pre></pre>		:35:21 FRJ 50	ccessruity depioyed ar			AGLT (DDHA0423;8001)	1	^
Paperation Resources 00159 PMI >>>> Warning: Unable to determine the target platform from the Profile. Using default 00159 PMI >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>					seconds			
O0155 PHI Targete platform is (Weblogic 10.3). PHI Adding foreconting law, malt to archive. O0120 PHI Targete tarking Methodic 10.5). PHI Targete platform is (Weblogic 10.3). PHI Targ		:00:59 PH] >>	>> Warning: Unable t	o determine the targ	get platform f	rom the Profile. Using default.		
CODES PHI Duming dependency analysis CODES PHI Dumin								
CODES PHI Dullano CODES PHI DULLAN								
Oli19 PHI Opdating revision id for the SOA Project "Astailending.get" to 'l.O' Oli19 PHI Opdating revision id for the SOA Project "Astailending/Betailending/Betailending_ofgplam_de- Oli19 PHI Opding Teaconfiguan.ml to archive. Oli20 PHI New Archive Solution to Divingthment/COMPERIancessFlowr/Batailending/Betailending/Betailending/detai		:00:59 PH] Bu	ulding					
Oli19 BM Copying file/D:/winhamch/CUBSPAlease/ll.llBPH/brocessFlows/Betaillending/Betaillending/Estaillending_cfgplam_d= Oli19 BM Adding secons(mp) min.ml.to activities. Oli20 PM Wrote Archive Hodule to <u>Dirushamch/FCUBSPAlease/ll.llBPH/brocessFlows/Betaillending/Betai</u>				the GOA Broiser in-	taillandir	ani na 11 01		
COLLED PRIL Adding responsinguan.mal. to archites. COLLED PRIL Adding responsinguan.mal. to archites. COLLED PRIL Vectors Archites Modules to Diversinguation (DEPENDENCES) Flows/Detaillendings/Detaillend							RetailLending cfgplan d	
AppKaton Resources Oli20 PRI Lapard time for deployment: 21 seconds Oli20 PRI Deployment finished Recret/Oreme File		:01:19 PM] Ad	ding soaconfigplan.xml	to archive.				
AppleAtion Resources :01:20 PH1 Deployment finished Det Controls @ @					ease\11.1\BPE	L\ProcessFlows\RetailLending\Rets	ilLending\deploy\sca_Ret	
Recently Opened Files	Application Resources							
								× .
	Recently Opened Files		extensions Deployment	350A Compiler			< (1)	

- 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.

👌 Oracle JDeveloper 12c - InitiateFCUB	SORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr	_ 0 <mark>_</mark> ×
Eile Edit View Application Refa	s <u>c</u> tor <u>S</u> earch <u>Navigate</u> <u>Build Run Versioning Tools Window H</u> elp	
💽 🗁 🗟 🗊 🕫 🔍 🖉 🛍	O • O • □ • ▲ 盐 ≝ ≝ • ▶ • ≇ • ▲	• Search
Application Applica	BPELHelper, java Morott.CProcessFlow_cfgplan_testing.xml CProcessFlow_cfgplan_testing.xml	Compo
🔁 FCUBSProcessFlow 🔹 🔁 🔹		ll Pages 🔹
- Projects 💽 🗞 🍸 + 🗄 + 🗌	<pre><runl ?="" encoding="UTF-8" version="1.0"></runl></pre>	6 C)
AMLChecks	<pre>G</pre>	

- 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.



Oracle JDeveloper 12c - InitiateFCUB							ALC: NOT	Summer Street, or				
File Edit Yiew Application Refa	ctor Search		uild <u>R</u> un Ve	ersigning	<u>T</u> ools <u>₩</u> indo	w <u>H</u> elp						- Search
					- 1							
Application Applica	BPELHelper	Java 🔤 Imp	ortLCProcessPloy		sting.xml •;	composite.xml	OpenCurrent/	Account_cfgplan	_testing.xml			Compo
🔁 FCUBSProcessFlow 🔹 🔂 🔹	(Find			Ð							<u>^</u>	All Pages
Projects		nl version="										89 6
AMLChecks	⊟ <\$0	AConfigPlan	xmlns:jca-"h	attp://pla	atform. integ	ration.oracle	/blocks/adapt	ter/fu/metad	ata" xmlns:	sp="http://schemas		#cdata-section (XML)
ImportLCProcessFlow		😂 Deploy	FCURS							1		#comment (XML)
OpenCurrentAccount Retailending									_			#processing-instruction ()
as an increased and		Select S	erver					and the second second second			1	A #text (XML)
												All (http://schemas.xmiso.
												ApplesTo (http://schema:
		A Deplo	yment Action		in Servers:				ೆಚಿ 💠			O AssertionTemplate (http:/
		Ju Deplo	v Configuration	DEV								attribute (http://schemas
		Selec	t Server	HP-RX			2014					O BinarySecurityToken (http:
		- SOA S	Servers	Integrate ITR1	ed/webLogicServi	er (domain unconfig	ured)					o binding (http://schemas.o
	8	TSumm		FCIS								O CanonicalizationMethod (F
	-	O Sum		SQA								Orfig (http://schemas.or
												Oreated (http://docs.oasi
												OigestMethod (http://www.
												OigestValue (http://www.
	8											OSAKeyValue (http://www
												Embedded (http://docs.or
	8											<
												(m),
												Property Inspec
										and a star of the second s		🖪 📌 😭 🥒 (🍓
										acle/log_policy"/:		
	8						0.1					
	8	Help					< Back Next	> Einish	Cancel		6	
	Source Histor	y C]	
	Deployment	-100										
	ISBILL VEL	buccess rully				ip to soa_ser	AGLT (NDHAOA)	P3:80011			~	
		Elapsed time				seconds						
						ret platform f	ron the Profi	ile Heine	de feult.			
		Deploy										
		Target platf			. 3).							
		Running depe Building	indency analy	ysis								
		Deploying pr	ofile									
	:01:19 PM1	Updating rev	rision id for			tailLending.						
						BPEL/ProcessE	lows/RetailLe	ending/Retai	lLending/Ret	ailLending_cfgplan	_d-	
		Adding soaco						Dep of 17 or	dama Barras I	ending\deploy\sca		
		Elapsed time				The second second		Telenseliker	MANY ARCES	A A A A A A A A A A A A A A A A A A A		
Application Resources		Deploy										
👂 Data Controls 🛛 🎯 🍸 🗆	-										Y	
Recently Opened Files	Messages	Extensions	Deployment	- SOA	Compiler					ৰ	<u>,</u> সন্দ	
			but have a	-							~~	

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

	SORRetailLoanContractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr ctor Search Navigate Build Run Versioning Iools Window Help	- 0 X
		• Search
Application Applica		Compo
PCUBSProcessFlow		Pages *
▼ Projects Q @ ♥ · SE ·	<pre></pre> (/panl version="1.0" encoding="UTF-8"?>	
AMLChecks	E cSO&ConfigPlan xmlns:jca="http://platform.integration.oracle/blocks/adapter/fw/metadata" xmlns:wsp="http://schemas.	•
ImportLCProcessFlow		#cdata-section (XML) # #comment (XML)
OpenCurrentAccount RetaiLending		#processing-instruction (>
	SOA Servers	#text (XML)
		All (http://schemas.xmlsor
		AppliesTo (http://schemas
		AssertionTemplate (http:/ attribute (http://schemas.
		BinarySecurityToken (http
	COA Comment	binding (http://schemas.o
		CanonicalizationMethod (h
		Config (http://schemas.or
		Created (http://docs.oasi:
		DigestMethod (http://www DigestValue (http://www.
		DSAKeyValue (http://www.
		Embedded (http://docs.oz
		Property Inspec
	scle/log_policy"/>	
	B Help < Rack Next> Enish Cancel	
	Source History	
	Deployment - Log	
	:so:ci wn; successivity deproyed archive scoppingers.zip to soa_serveri (DDHF0453:8001)	
	:35:21 PHI Rlapsed time for deployment: 4 minutes, 53 seconds :35:21 PHI ==== 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 PMI Running dependency analysis	
	100:59 PHI Building 01:19 PHI Deploying profile	
	101:19 PMI 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 PMI Adding soaconfigplam.mal to archive. :01:20 PMI Verot Archive Hodule to Dirushanth/FCUBSRelease\11.1\BPEL/ProcessFlows/RetailLending/RetailLending/deploy/sca_Ret	
	:01:20 PM] Elapsed time for deployment: 21 seconds	
Application Resources Data Controls	:01:20 PH] Deployment finished	
Recently Opened Files		
	Messages Extensions Deployment ISOA Compiler	225772-22764
9:01:19 PMI Completion complete: 0 errors. 1	16 warnings	Xml Editio

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



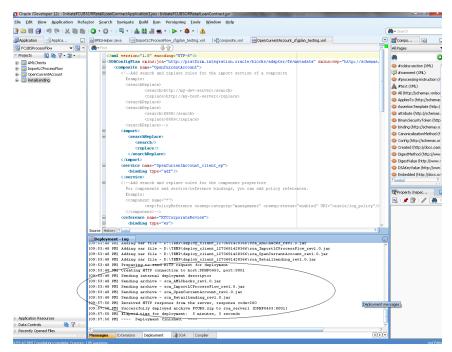
Oracle JDeveloper 12c - InitiateFCUBS	SORRetailLoanCor	ractApplication1.jws : InitiateFCUBSORRetailLoanContract.jpr	
Eile Edit Yiew Application Refa	ctor Search	avigate <u>B</u> uild <u>R</u> un Versi <u>o</u> ning <u>T</u> ools <u>W</u> indow <u>H</u> elp	
🔮 🗁 🕃 🇊 🖤 🥙 🕹 🛍 🛍	🔾 = 🔘 =	🖫 र । 🚵 🕍 🗮 र । 🕨 र 🕸 र । 🛕	💏 - Search
Application Applica	BPELHelper.ja	a ImportLCProcessFlow_cfgplan_testing.xml composite.xml OpenCurrentAccount_cfgplan_testing.xml	💌 🎬 Compo 🙀 🤅
🔁 FCUBSProcessFlow 👻 🔁 🔹	(🍓 🕶 Find		All Pages
🗢 Projects 🛛 🔕 🏹 + 🏣 + 🗌	< ? xml	version="1.0" encoding="UTF-8"?>	# C
AMLChecks		nfigPlan xmlns:jca="http://platform.integration.oracle/blocks/adapter/fw/metadata" xmlns:wsp="htt	p://schemas.
ImportLCProcessFlow OpenCurrentAccount	8 <0	🖕 Deploy FCUBS	#comment (XML)
OpenCurrentAccount E- RetaiLending			#processing-instruction ()
		Summary	#text (XML)
			All (http://schemas.xmlsoa
		Q Deployment Action	AppliesTo (http://schemas
		Deploy Configuration Deployment Summary:	AssertionTemplate (http:/
		Select Server	Attribute (http://schemas.
		Name: DEV	BinarySecurityToken (http://schemas.o
	8	SQA Servers	CanonicalizationMethod (h
		Summary Generative Details Output file: D:\sushanth\FCUBSRelease\11.1\APP\deploy\FCUBS.zp	Config (http://schemas.or
		Indude manifest: No	Created (http://docs.oasi
		Compressed: No	DigestMethod (http://www
			DigestValue (http://www.
	8		OSAKeyValue (http://www
			Sembedded (http://docs.oz
	8		
			Property Inspec
			💽 📌 📴 🥒 🎁
		acle/1	og_policy"/>
	8		
	8	Help Cancel	~
	Source History		> [
	EDeployment - I	0	
		cessfully apployed archive flubbrocess.mlp to soa_server1 (DUMF0405;50001) mpsed time for deployment: 4 minutes, 53 seconds	^
	:35:21 PH]	- Deployment finished	
		Warning: Unable to determine the target platform from the Profile. Using default Deployment started	
		rget platform is (Weblogic 10.3).	
	:00:59 PH] Ru	ming dependency analysis	
	:00:59 PH] Bu :01:19 PH] De	llding ploying profile	
	:01:19 PM] U	dating revision id for the SOA Project 'RetailLending.jpr' to '1.0'	
		oying file:/D:/sushanth/FCUBSRelease/ll.l/BPEL/ProcessFlows/RetailLending/RetailLending/RetailLend ding soaconfigplan.mal to archive.	iing_cfgplan_d
		<pre>sing scaconflgplan.xal to archive. bte Archive Module to <u>D:\sushanth\FCUESRelease\11.1\EPEL\ProcessFlows\RetailLending\RetailLending\</u></pre>	deploy\sca Ret
	:01:20 PH] EJ	apsed time for deployment: 21 seconds	
Application Resources Data Controls	:01:20 PH]	Deployment finished	-
Recently Opened Files	<	· · · · · · · · · · · · · · · · · · ·	>
	Messages	ttensions Deployment SOA Compiler	()V

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

	ukketailloancontract-ppilcation11jws : Initiater-CUBSUkketailloancontractjpr çtor Search Navigate Build Run Versioning Tools Window Help	
🕑 🗁 🗐 🗐 🖙 🔍 🖄 🛍 🛍		💏 - Search
Application Applica	BPELHelper.java @ImportLCProcessFlow_cfgplan_testing.xml @composite.xml @OpenCurrentAccount_cfgplan_testing.xml @	Compo
FCUBSProcessFlow - 🔁 -	(他·Find 导合)	All Pages
🔮 🗃 🛃 👘 🖓 (* 1 🗶 🐚 🐚	Image: Set of the set of t	Compo
	109:53:48 PMI Preparing to send HTTP requests for deployment 109:53:48 PMI Foraking HTP commetion to host:CHDF0453, por:8001 109:53:48 PMI Sending internal deployment descriptor 109:53:48 PMI Sending archive - sca_MACChecks rev1.0.jar 109:53:48 PMI Sending archive - sca_BaportLCProcessFlow_rev1.0.jar 109:53:48 PMI Sending archive - sca_BaportLCProcessFlow_rev1.0.jar	
Application Resources	[09:53:48 PH] Sending archive - sca_RetailLending_revl.0.jar	
🕨 Data Controls 🛛 🖓 🍸		
Recently Opened Files	Messages Extensions Deployment 350A Compiler	j

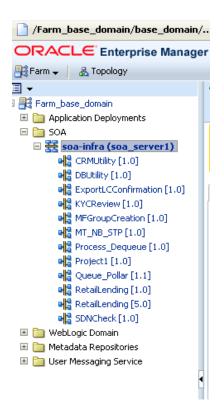
• The deployment status can be verified in the deployment status Log window.





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







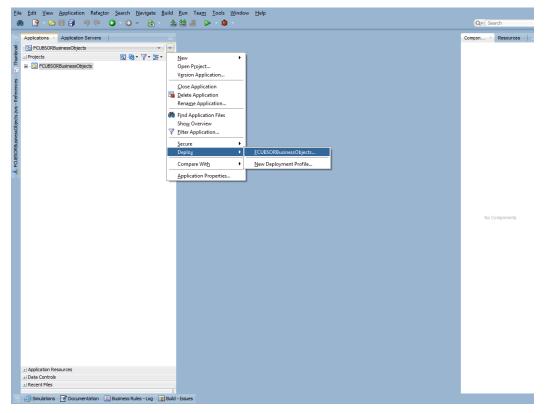
8. Deploying MDS application using JDeveloper

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.



- 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.



	🛗 × 🚵 🚵 🕨	* 😫 *	Q- Search
Applications × Application Servers			Compon × Resources 🛛 🖃
FCUBSORBusinessObjects	· ·		
	/• ≌•		
 CDL050RBusinessObjects Projects CDL050RBusinessObjects CDL050RBusinessObjects 			
6			
0			
Seal of	Deploy FCUBSORBusine	ssObjects	
500			
5	Select Server		
	C Deployment Action	Application Servers: 🔶 😫 🔞	
5	Deploy Configuration	cvbdb	
	Select Server	DEVIUT ExampleIUT	
	SOA Servers	IntegratedWebLogicServer	
	O Summary	IUTDEV LocalOSB	
		OSB	
			No Components
		✓ Overwrite modules of the same name	
	Help	< Back Next > Einish Cancel	
± Application Resources			
Application Resources J Data Controls			
± Recent Files			

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

8 S - D = 3 9 % O - O -		Q- Search
	Image: Solution of the second of the seco	Qef Search Compon Resources
A rouse	Sold Servers Sold Servers Sold Servers Sold Servers	Ne Corponents
	Beb <bok bext=""> Emith Cancel</bok>	



88 🖪 - 🖂 🖬 🛍 🖾 🙆 - 🤇		Q+ Search
Applications Application Servers	Deploy FCUBSORBusinessObjects Summary Oddoyment Actor Gold Servers Software Software	Ne Components
	Belo Kand	
Application Resources		
Data Controls		

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

3) Click on the SOAData source.



nange Center		Home Log Out Preferences	Record Help	Q		Welcome, we	blogic Connected to: soa_do
iew changes and restarts		Home >Summary of Servers >Sum	nmary of Deployme	nts >Summary of JDBC Data Sources			
nfiguration editing is enabled. Future		Summary of JDBC Data Sourc	es				
anges will automatically be activated as you dify, add or delete items in this domain.		Configuration Monitoring					
main Structure							
_domain	Ъ.	A JDBC data source is an objec borrow a database connection			rough a pool of JDBC connections. Applications can loo	ok up a data source	on the JNDI tree and then
Domain Partitions Environment							
Deployments		This page summarizes the JDBC	data source object	ts that have been created in this domain.			
Services		N					
Security Realms Interoperability		Customize this table					
Diagnostics		Data Sources (Filtered - Mo	re Columns Exis	t)			
		New 🗸 Delete				Showing	g 11 to 20 of 20 Previous Ne:
		🔲 Name 🐟	Туре	JNDI Name	Targets	Scope	Domain Partitions
		LocalSvcTblDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
w do I		mds-bam	Generic	jdbc/mds/beamComposer	AdminServer, bam_server1	Global	
		mds-owsm	Generic	jdbc/mds/owsm	AdminServer, bam_server1, soa_server1	Global	
Create JDBC generic data sources Create JDBC GridLink data sources		mds-soa	Generic	jdbc/mds/MDS_LocalTxDataSource	AdminServer, soa_server1	Global	
Create JDBC GridLink data sources		opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bam_server1, soa_server1	Global	
Create UCP data sources		opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bam_server1, soa_server1	Global	
Create Proxy data sources		opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bam_server1, soa_server1	Global	
		OraSDPMDataSource	Generic	jdbc/OraSDPMDataSource	bam_server1, soa_server1	Global	
stem Status	-	SOADataSource	Generic	jdbc/SOADataSource	bam_server1, soa_server1	Global	
alth of Running Servers		SOALocalTxDataSource	Generic	jdbc/SOALocalTxDataSource	soa_server1	Global	
Failed (0)		New ~ Delete		1	1	Showing	11 to 20 of 20 Previous Ne:
Critical (0)							
Overloaded (0) Warning (0)	14						
OK (3)							
ebLogic Server Version: 12.2.1.0.0	es, All rigi						

4) Click on Target tabs \rightarrow Select bam_server check box \rightarrow Click Save



0.0	······································	· · · · · · · · · · · · · · · · · · ·
	dministration Console 12c	Q
Change Center	🛍 Home Log Out Preferences 🔛 Record Help	Welcome, weblogic Connected to: soa_domain
View changes and restarts	Home >Summary of Servers >Summary of Deployments >Summary of JDBC Data Sources >SOADataSource	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for SOADataSource	
modify, add or delete items in this domain.	Configuration Targets Monitoring Control Security Notes	
Domain Structure	Save	
soa_domain Domain Partitions Denvironment Deployments Services	This page allows you to select the servers or dusters on which you would like to deploy this JDBC data source.	
-Security Realms	Servers	
⊕-Interoperability ⊕-Diagnostics	AdminServer	
	☑ bam_server1	
	✓ soa_server1	
How do I 📼 • Target JDBC data sources	Save	
System Status		
Health of Running Servers		
Falled (0) Critical (0) Overloaded (0) Warning (0) OK (3)		
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. A Oracle is a contributed trademark of Oracle Comparatio	nn and∕or is affiliate. Other namer mav he trademarke of their neurartine numare	

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



Many Table Unio				✓ Search 12.1.3		
View Tools Help Include in library Share with Burn New folder						
	Dia Trans	-			·	
1212	Date modified	Туре	Size			
Common	3/28/2016 4:15 PM	zip Archive	1,507 KB			
Ijarah						
Istisna						
KYC						
ModifiedReports						
Mudarabah						
Murabaha						
Musharaka						
Reports						
SVN						
🛃 OR						
Process						
Tawarooq						
TMM						
FCUBS12.2Docs						
Elcm						
LatestDoc E						
SVNDocs						
🤣 Installation						
🛛 📔 .svn						
🛛 🌛 Environment Setup						
FLEXCUBE_UBS_Installat						
> 🌛 Third Party Software Ins						
oraclesoa12.2.1						
patch_storage						
cfgtoollogs coherence						
em						
inventory						
jdeveloper						
g gaeveloper						
oep						
OPatch						
oracle_common						
osb						
oui						
soa						

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:) FCU	-				 ✓ ✓ Search 12.1.3 		-
View Tools Help						 _	-
 Include in library Share v 							(
FCUBS12.2 Nai	me	Date modified	Туре	Size			
12.1.3	FCUBS_BAM_Report.zip	3/28/2016 4:15 PM	zip Archive	1,507 KB			
Common							
Ijarah							
Istisna							
күс							
ModifiedReports							
Mudarabah							
Murabaha							
Musharaka							
Reports SVN							
S OR							
Process							
Tawarooq							
TMM							
FCUBS12.2Docs							
Elcm							
LatestDoc =							
SVNDocs							
Jinstallation							
⊳ 🌆 .svn							
Environment Setup FLEXCUBE_UBS_Installat							
Marchine Party Software Ins oraclesoa12.2.1							
.patch_storage cfgtoollogs							
coherence							
em							
inventory							
jdeveloper							
mft							
oep							
OPatch							
oracle_common							
osb							
oui							
soa 👻							



ECLIPS DescessElew Deployment day (Compatibility Made) Microsoft Mard	
DataObject.xml - Notepad	
File Edit Format View Help	
lanaged> <length>500</length> <nullable>true</nullable> cunique>falsecprecision>38 <scale>10</scale> <dat< td=""><td>aT (DO) VARCHAR < (dat aT) (r</td></dat<>	aT (DO) VARCHAR < (dat aT) (r
i/scale>data/ppe>/archive/rengch>ou/rengch>cale/rengch>ou/rengch>cale>cales/archive/rengch>ou/rengch>ou/rengch>cale>cales/archive/rengch>ou/rengch <ou rengch="">ou/rengch>ou/rengch<ou rengch="">ou/rengch>ou/rengch<ou rengch="">ou/rengch<ou rengch="">ou/rengch<ou rengch<="" rengch<ou="" renuch<ou="" td=""><td>/biddons coditablestru</td></ou></ou></ou></ou></ou>	/biddons coditablestru
(JSCATEXCHART) and a set of the s	
DEFINITIONNAME	ntorpalsfalco//intorpa
ie9dd919f7f73abc2c ie9dd919f7f73abc2c internal>false ie103c	nullable~uniquestalse
is/nullables/uniques/alses/uniques/precisions/s/precisions/scales/lot/scales/dataType>VARCHAR/dataType> <calmin_pressions als<="" alses="" outing="" scales="" td="" uniques=""><td>RUTE / columnTyne> labe</td></calmin_pressions>	RUTE / columnTyne> labe
;/datatype>columnType>DMENSIONlabel>label>coMPOSITENAME <hidden>false</hidden> cditable>true <td></td>	
dden> <editable>true</editable> cphysicalName>coNVERSATIONID <column><name>DUEDATE</name><id>dd20d67</id></column>	30c09f40359d2dd07c96c5
l> <internal>false</internal> <systemmanaged>false</systemmanaged> false <td></td>	
>false <precision>38</precision> <scale>10</scale> <datatype><archar< datatype=""><columntype><attribute< columntype=""><</attribute<></columntype></archar<></datatype>	label>label PARENTCOMP
10 <datatype>vARCHAR</datatype> <columntype>ATTRIBUTE</columntype> <label>label_INVOKEDCOMPONENT</label> <hidden>fal</hidden>	se <editable>t</editable>
;ECOMPLETE <hidden>false</hidden> ceditable>truecphysicalName>PERCENTAGECOMPLETE	<column><name>READBYUS</name></column>
//mn> <name>PARENTTASKVERSION</name> <id>cf30e85ac8ff47d48f2ceb1ac99b66ea</id> <internal>false</internal> <systemmanaged>false</systemmanaged>	<lengt< td=""></lengt<>
cinternal>false-systemManaged>false <length>200</length> <nullable>true</nullable> cunique>false </td <td>/unique><precision>38<</precision></td>	/unique> <precision>38<</precision>
ble> <unique>false</unique> <precision>38</precision> <scale>10</scale> <datatype>VARCHAR</datatype> <columntype>ATTRIBUTE<td>olumnType><label>label</label></td></columntype>	olumnType> <label>label</label>
+1>1abe1_AGROOTID 1abe1 <hidden>fa1se</hidden> <editab1e>true</editab1e> <physica1name>AGROOTID</physica1name> <co< td=""><td>lumn><name>AGMILESTONE</name></td></co<>	lumn> <name>AGMILESTONE</name>
//column> <column><name>PARENTTASKID</name><id>67e5291030724a1ba31da87d00648564</id><internal>false</internal>csystemManag</column>	ed>false
al>false <systemmanaged>false</systemmanaged> <length>4000</length> <nullable>true</nullable> <unique>false<td>ue><precision>38</precision></td></unique>	ue> <precision>38</precision>
able> <unique>false</unique> <precision>38</precision> <scale>10</scale> <datatype>varcHar</datatype> <columntype>attrateurc<!--</td--><td>columnType><label>labe</label></td></columntype>	columnType> <label>labe</label>
<pre>//columnType><label>label_sTAGE</label><hiddensfalse< hidden="">ceditable>truetruecphysicalwame>sTAGEstAGE</hiddensfalse<></pre>	/column> <column><name></name></column>
al Name>PREACTIONUSERSTEPS <name>AGGREGATIONTASKID</name> <id>8d24fd273cde4aa3897ca3a87608</id>	
ISSera853a12 <pre>internal>false<systemwanaged>false</systemwanaged></pre>	
<pre>.truecunique>falsecprecision>sscale>10dataType>VARCHARccolumnType>A .unique ATTRUTE</pre>	
<pre>webstrREBUTE<label>label_PROCESSOUEDATE</label><hiddensfalse< hiddens<editable="">truetruesysicalNames<td>pagedsfalse</td></hiddensfalse<></pre> /systemMar	pagedsfalse
<pre>is/systemManaged>length>64</pre> length>runllable>true/nullable>true	
;pecision>38 <scale>(ale>(ale>(ale>(ale>(ale>(ale>(ale>(</scale>	
<pre>//cclimitype</pre>	TE14
e>cphysicalName>TEXTATTRIBUTE16 <column>cname>TEXTATTRIBUTE17<id>31b7e5354ad240beb60062428</id></column>	3d0fa3e
d>adce6b29d72a4f2dba0e9812cdcf20fc <internal>false</internal> <systemmanaged>false</systemmanaged> <length>2000<td></td></length>	
Managed> <length>2000</length> <nullable>true</nullable> <unique>false</unique> <precision>38</precision> <scale>10</scale> <d< td=""><td>ataType>VARCHAR</td></d<>	ataType>VARCHAR
n> <scale>10</scale> <datatype>VARCHAR</datatype> <columntype>ATTRIBUTE</columntype> <label>label_FORMATTRIBUTE8</label> <hid< td=""><td>lden>false<edi< td=""></edi<></td></hid<>	lden>false <edi< td=""></edi<>
]RMATTRIBUTE10 <hidden>false</hidden> <editable>true</editable> cphysicalName>FORMATTRIBUTE10 <td>><column><name>URLATTR</name></column></td>	> <column><name>URLATTR</name></column>
Name> <column><name>URLATTRIBUTE8</name><id>b0a3c16d4a6b46bb9017c69007c08882</id><internal>false</internal><syst< td=""><td>emManaged>false</td></syst<></column>	emManaged>false
:/internal> <systemmanaged>false</systemmanaged> <length>200</length> <nullable>true</nullable> <unique>false</unique> <precis< td=""><td>ion>38<sca< td=""></sca<></td></precis<>	ion>38 <sca< td=""></sca<>
e <pre>cision>38<scale>10</scale><datatype>DATETIME</datatype><columntype>ATTRIBUTE</columntype><label{list}< pre=""></label{list}<></pre>	I>TabeI_DATEATTRIBUTE7
<pre>i<label_label_dateattribute9< label=""><hidden>false</hidden>ceditable>truecphysicalName>DATEATTRIBU i</label_label_dateattribute9<></pre>	TE9
sicalName>NUMBERATTRIBUTE6 <column><name>NUMBERATTRIBUTE7</name><id>4d1e2543e1334e19b9f48488fdc00</id></column>	ard 10 <1nternal>Tals
<pre>if932417dae1f4723fc54436ffalsecsystemManaged>falsefalseclength>38nullable> iqed>-length>2000nullable>truecsale>falsef</pre>	crue <unique< td=""></unique<>
iged rengine coost, rengine coost, rengine contrative c	UTE (columnT) (posslabol
m-3810 </td <td></td>	
)e>VARCHAR <columntype>ATTRIBUTE</columntype> <label>label_PROTECTEDTEXTATTRIBUTE1</label> <hidden>false<td></td></hidden>	
JTE <label>label>label_PROTECTEDTEXTATTRIBUTE19</label> <hidden>false</hidden> editable>truecphysicalvame	>PROTECTEDTEXTATTRIBUT
TTRIBUTE6 <hidden>false</hidden> <editable>true</editable> cphysicalName>PROTECTEDFORMATTRIBUTE6 <td>lumn><column><name>PRC</name></column></td>	lumn> <column><name>PRC</name></column>
📗 e>true <physicalname>PROTECTEDFORMATTRIBUTE8</physicalname> <column><name>PROTECTEDFORMATTRIBUTE9<td>ie><id>5fda368be1e04c47 ⊨</id></td></name></column>	ie> <id>5fda368be1e04c47 ⊨</id>
IATTRIBUTE10 <column><name>PROTECTEDURLATTRIBUTE6</name><id>6c66fc33ff2847fda5f5b455ba8ab9f5</id></column>	internal>false
III:CTEDURLATTRIBUTE8 <id>16b6d3ae100842159ba46fadb25e913e</id> <internal>false</internal> <systemmanaged>false<td>anaged><1ength>200<!--1e</td--></td></systemmanaged>	anaged><1ength>200 1e</td
ca210f5 <internal>false</internal> <systemmanaged>false</systemmanaged> <length>200</length> +nullable>true	
ged>false <length>7</length> <nullable>true</nullable> <unique>false</unique> <precision>38</precision> <scal< td=""><td>e>10<datatype></datatype></td></scal<>	e>10 <datatype></datatype>
extrue <unique>false</unique> fprecision>384scale>10 <datatype>DATETIME</datatype> <columntyp< td=""><td>e>ATTRIBUTE</td></columntyp<>	e>ATTRIBUTE
ision>38 <scale>10</scale> e>dataType>INT <columntype>ATTRIBUTE</columntype> {label>label_protECTEDNUM	BERAIIRIBUTE6<
INT <columntype>ATTRIBUTE</columntype> <label>label_PROTECTEDNUMBERATTRIBUTE</label> <hidden>false</hidden> cedi	table>true<
<pre>pe>clabel>label_protectrenumBerartrRIBUTE10chidden>falseceditable>truechysicalName>PROTECTE JIIDchidden>falseceditable>truechysicalName>TENANTD</pre> /prysicalName>Column>crame>TE	NANT TO (pamos side 0d2h
$1 \ge \sqrt{10} = 1 \le 1$	
iged>falseflegth>2000/legth>cuilable>true <td>cales10/scales/datat</td>	cales10/scales/datat
Intrue / nullable > unique > false / unique > precision > 38 / precision > scale > 10 / scale > dataType > VARCHAR / dataType > columnType > A	TTRTBUTE
on>scale>103dataType>columnType>ATTRIBUTE{label_cusTMTrIBUTE	> <hidden>false</hidden>
JTE <label>label_CUSTOMATTRIBUEDATE2</label>	TOMATTRIBUTEDATE2
//editable> <physicalname>ISDECOMPOSEDTASK</physicalname> <column><name>FORMNAME</name><id>>605faaaba7d14b04ad2e752</id></column>	ade546a43
ces/> <hierarchies></hierarchies> <schema>DEVFCD122_SOAINFRA</schema> <sourcename>SOADataSource</sourcename> <indiname>jdbc/SOADataSource<indiname>jdbc/SOADataSource</indiname></indiname>	/indiName> <factdo>true -</factdo>
	E. A
I KUNSZZ * Nova Date modified Tura Cra	

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.

lataObject.xml - Notepad		• X
Edit Format View Help		
/oracle.beam.server.event.dataobject <cqsta 5ER_MANAGER<hidden>false</hidden><editable>tr</editable></cqsta 	mpType>SYSTEM <slowchangingdimension>false</slowchangingdimension> uecplysicalName>UsER_MANAGERcolumn>canme>UsER_MANAGERcanme>UsER_Manager	<physic: ER_NAME</physic:
<indexes></indexes> <hierarchies></hierarchies> <mark><schema>UBS122</schema><sour< mark=""></sour<></mark>	eName>jdbc/fcjdevD5 <jndiname>jdbc/fcjdevD5</jndiname> <mark>kfactD0>true</mark> </td <td>/factDO:</td>	/factDO:
	III	4

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

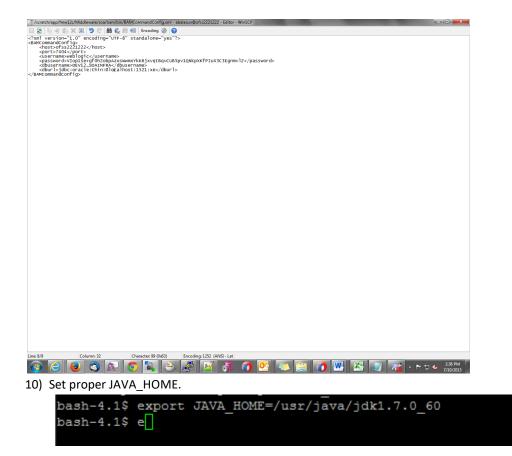


View Tools Help							
	Share with 🔻 Burn New folder					FIL	(
FCUBS12.2		Date modified	Туре	Size	_		
12.1.3							
Common	ECUBS_BAM_Report.zip	3/28/2016 4:15 PM	zip Archive	1,507 KB			
Ijarah							
Istisna							
KYC							
ModifiedReports							
Mudarabah							
Murabaha							
Musharaka							
Reports							
SVN							
OR							
Process Tawarooq							
TMM							
CUBS12.2Docs							
Elcm							
LatestDoc							
SVNDocs							
Justallation							
🔉 📗 .svn							
🛛 🌛 Environment Setup							
SLEXCUBE_UBS_Installar							
🛛 🗞 Third Party Software Ins							
oraclesoa12.2.1							
.patch_storage							
cfgtoollogs							
coherence em							
em inventory							
jdeveloper							
mft							
oep							
OPatch							
oracle_common							
osb							
oui							
soa _							

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:





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 [February] [2022] Version 14.5.4.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax: +91 22 6718 3001 https://www.oracle.com/industries/financial-services/index.html

Copyright © [2007], [2022], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.