Installer Decentralized setup Oracle FLEXCUBE Installer Release 12.87.06.0.0 [May] [2020]



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1 Property File creation for Decentralized via Oracle FLEXCUBE Installer

1.1 Introduction

This chapter explains the steps to create property file for Oracle Decentralized FLEXCUBE Installer Application. Two property files are created fubs property file and environment property file.

1.2 Creating Property File

To create the property file for Oracle Decentralized FLEXCUBE, follow the steps given below:

1. Launch Oracle FLEXCUBE Installer bat file i.e. **FCUBSInstaller.bat** for Windows, for linux run FCUBSInstaller.sh.

C:\windows\system32\cmd.exe
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.
Checking the write permissions
checking whether Installer is running Creating a new flag file Sucessfully created the flag File.
loading Environment Variables
this javahome C:/Program Files/Java/jdk1.8.0_91 this path C:/Program Files/Java/jdk1.8.0_91\bin;C:\windows\system32;;; ojdbc8.jar Jearing the compiled files Jearing the jar file. ojdbc8.jar
lar to be copied from D:/app/poravi/product/11.2.0/dbhome_1\jdbc\lib\ojdbc8.jar Copying jars into the Library 1 file(s) copied.
Checking logs Folder Current Folder -avast .his InstallationShipment "EXEC" Inside Checking APPSERUER HOME Appserverhome C:/Oracle/Middleware/Oracle_Home/jdeveloper/wlserver
Building the jar file Starts Dopying the property files into Classes. Sile not found - log4j2.properties Creating Images directory under Classes. Dopying Images from src folder to classes. The not found - *.* Creating MEIA-INF directory under Classes. Dopying MANIFEST.MF into Classes\MEIA-INF. Building the jar file. Picked up JAUA_TOOL_OPTIONS: -Dfile.encoding=ISO-8859-1 Removing the Classes folder. Building jar is done.
Running Installer in UI Mode For Running Installer in Silent Mode give /s commond line argument to Batch file
Running Installer TEXEC'' Running in UI Mode Picked up JAVA_TOOL_OPTIONS: -Dfile.encoding=ISO-8859-1

Need to provide the following details:

JAVA HOME PATH

Provide the JDK home path with the latest version.

ORACLE HOME PATH



Provide the Oracle 12C Client Path.

APPSERVER PATH

Provide the Application Server Path.

After providing these details, INSTALLER-GUI gets generated. And follow the below details.

Enter the following details

🛃 Oracle FLEXCUBE Unive	ersal Installer 12.5.0.0.0		- - X
Oracle Bank	ing Installer		
Welcome To Oracle Un	iversal Banking Installer		
Prerequisites			
 Oracle Datab JDK should b 	ase should be Installed. be Installed.		
Please specify the JDK :	and Oracle Home path.		
JDK Path	C:/Program Files/Java/jdk1.8.0_91	- Browse	
Oracle Home Path	D:/app/poravi/product/11.2.0/dbhome_1	Browse	•
Please select any one o	of the below options:		
	Property File creation		
	O Utilities		
Exit	og		Back

JDK Path:

Maintain Home folder path of JDK1.8

Oracle Home

Maintain home folder path of Oracle Client or Database

Application Server Home

Maintain home folder path of Application Server

2. Click 'Next' and the following screen is displayed.

Components

Choose components as INFRA.



Product Processors

Choose product processors as Oracle FLEXCUBE Universal Banking.

Plugins

Select Branch and Decentralized option to load objects related to Decentralized.

Scheduler can be embedded.

🛓 Oracle FLEXCUBE Universal Installer 12.5.0.0.0								
Oracle Banking Installer								
elect one of the Components								
Load Existing Property File	Browse							
INFRA Scheduler Gateway Switch Interface Installation								
Select Oracle Product Processors								
✓ Oracle FLEXCUBE Universal Banking								
Oracle FLEXCUBE Enterprise Limits and Collateral Management								
Oracle Banking Payments								
Oracle Banking Corporate Lending Open Development Tool								
Select Plugins to be Installed								
Branch Decentralized Load Existing Branch Property File	Browse							
Host Address 10.184.157.98 8204 BPEL Scheduler Standalone								
Reports 10.10.10.10 1010 OFTW FGL ELCM Adapter requ	lired							
DMS 10.10.10.10 1010 FIS-HOST Insulation								
Exit Log	Back Next							

3. Click 'Next' and the following screen is displayed:

Specify SMS and Host schema details, Test connection to assure schema details provided are proper.



🚳 Oracle FLEXCUBE Universal Installer 12.5.0.0.0						
Oracle Banking Installer						
SMS Schema Details						
Name	Value					
Username	DCHOST5	_				
Password	•••••					
Service Name	FCPDBDC					
IP Address	whf00blr.in.oracle.com	=				
Port	1522					
TNS Connect Descriptor	FCPDBDC	Test	Connection			
Entity Id ENTITY_ID1	JNDI Name jdbc/fcjdevDS	Comp	ile in All Entities			
Username	DCHOST5	· -				
Password	•••••					
Service Name	FCPDBDC					
IP Address	whf00blr.in.oracle.com	=				
Port	1522	Test	Connection			
TNS Connect Descriptor	FCPDBDC					
Prev	Next					
Exit Log		(Back Next			

Provide Branch schema details and SMS schema details to create dblinks between two schemas.

Click on Test Connection to assure the connection details provided are proper.



Source FLEXCUBE Universal Installer 12.5.0.0.	0	TIVI	_ _ X
Oracle Banking Installer			
Branch Schema Installation Provide Branch schema details.			
Name	Value		
Username	DCBRANCH1	_	
Password	•••••		
Service Name	FCPDBDC		
IP Address	whf00blr.in.oracle.com	=	
Port	1522		
TNS Connect Descriptor	FCPDBDC		
Branch (use ',' for multiple branches)	ALL		
Addition of branch	N		
SMS_DBLink Username	DCHOST5		
SMS_DBLink Password	•••••		
SMS_DBLink Service Name	FCPDBDC	-	
		Tes	t Connection
Exit Log			Back Next

EAR Name

Specify a name for the Application to be deployed.

You cannot use special characters such as '.' (Dot), ',' (comma), '\$' etc. However, you may use '_' (underscore). – Applicable for both Windows and Linux.

Context Name

Based on the Application type selected, the Installer displays the application context. However,

You may modify the default value.

Application Server

Specify the application server in which you are creating the property file. Select the appropriate one from the adjoining drop-down list.

Source Path

Provide the source path maintained.



Source Path

Provide the source path maintained.

Ear Destination Path

Provide the Ear destination path to place the generated .ear and .war file during generation of .ear and .war files.

Solution Oracle FLEXCUBE Un	niversal Installer 1	2.5.0.0.0	X
Oracle Bar	nking Insta	aller	ORACLE INSTALLER
Provide Environment	t details.		
EAR Name	FCUBS		
Context Name	FCJNeoWeb		
File Seperator Style	Linux	▼	
Application Server	Weblogic	•	
External JSUIXML R	equired		
External PropertyFile	e Required		
Application Server Pa	th	C:/Oracle/Middleware/Oracle_Home/jdeveloper/wlserver	Browse
Source Path		C:\Work\poorna\12_5\DCHOST2\Console_EXEC\Console_EXEC	Browse
Ear Destination Path		poorna\12_5\DCHOST2\PROPERTY_FILE_CREATION_20_NOV_2017	Browse
External JSUIXML Pat	th		Browse
External PropertyFile	Path		Browse
Exit	Log	Bad	ck Next

6. Click 'Next' to continue and following screen is displayed:

'Security Key for Encryption Logic' is the key (exact 16 characters) for all encryption logic.



Oracle Banking Installer		INSTALLER
Property File Creation		
Release	KERNEL	
Hashing Algorithm Iteration Count	10000	
Security Key for Encryption Logic	oraclefinancials	
Operating System for Decentralized branch	Linux 💌	
Application Server for Decentralized branch	Weblogic 👻	
		in the second

7. Click 'Next' to continue and following screen is displayed:

Datasources:	
SMS Data Source	 Provide proper JNDI names e.g.: jdbc/fcjsmsDS
Branch Data Source	 Provide proper JNDI names e.g.: jdbc/fcjDevXADS
Scheduler Data Source	 Provide proper JNDI names e.g.: jdbc/fcjSchedulerDS
Host Server URL	 Host URL to establish connection from Branch.



📓 Oracle FLEXCUBE Universal Installer 12.5.0.0.0						
Oracle Banking		NSTALLER				
Property File Creation - Da	Property File Creation - DataSource					
Please enter DataSource N	lames					
SMS Data Source	jdbc/fcjsmsDS					
Branch Data Source	jdbc/fcjDevXADS					
Scheduler Data Source	jdbc/fcjSchedulerDS					
ELCM Data Souce						
PM Online JNDI	jdbc/fcjpmDS					
PM Batch JNDI	jdbc/fcjpmDS					
Webservices Provider URL	t3://localhost:7	001/				
Host Server URL	https:/whf00be	y.in.oracle.com:8204/FCJNeoWeb				
Standalone Scheduler URL	https:/10.10.10).10:7001/FCJNeoWeb				
Exit)		Back	Next		

8. Click 'Next' to continue and following screen is displayed:

Debug Logs Required

If you require debug option, select 'Yes' from the drop-down list. If you do not require debug option, select 'No'.

Work Area

Specify the work area.

For example: D:\BrnDbgs\

Signature Path

Specify the location at which the signature images are placed.

Excel Path

Specify the location at which the excel files are generated.

Data Source

Specify the JNDI location. The standard format is 'jdbc/fcjdevDS'.

Request Time Out

Specify the database request timeout value in milli seconds. This is the maximum number of seconds the database waits for a query to return the result.

Connection Time Out

Specify the database connection timeout value in seconds. This is the maximum number of seconds the application waits for a connection to the database to open.

Session Time Out

Enter the session time out value in seconds. This is the maximum number of seconds during which the application gets active without any user intervention. If there is no user intervention continuously for the duration specified here, the user session gets expire.

LOV Fetch Required

If you check this box, the option lists in Oracle FLEXCUBE displays the matching values based on the first characters that you enter in a field. If you specify the first three characters of a value to be entered in an option list and tab out, the system displays the complete list of values that are matching the first three characters.

If you do not check this, option lists does not show the matching values based on the first few characters. You need to specify the complete value against the field.

Max Image Size

Specifies the maximum image size that can be uploaded. The default size is 1048576 in bytes.

CSS Style

Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:

Default – select this to apply the default style provided along with Oracle FLEXCUBE Custom – select this to apply a custom style

Name

Specify the name of the CSS style.



🔮 Oracle FLEXCUBE Universal Installer 12.5.0.0.0						
Oracle Banki	ng Installer					
Property File Creation	- General Property					
Debug Logs Required	No LOV Fetch Required	External LOV Requ	ired			
Work Area Signature Path	/scratch/work_area/DEV/FC125DEC/APPLC /scratch/work_area/DEV/FC125DEC/APPLC					
Excel Path	/scratch/work_area/DEV/FC125DEC/APPL0					
Request Time Out Connection Time Out Session Time Out	1800000 In milli seconds 3600 In Seconds	Max Image Size User Batch Time	1048576 In Bytes D In Hours			
Css Style	Default	Name	Flexblue			
Language		ISO Code	en			
Application Title Version	FLEXCUBE UBS					
CopyRights	Copyright © 2017, Oracle and/or its affiliates. All i	rights reserved.				
Exit	pg	(Back Next			

SSO Required

Check this box to enable single sign-on (SSO). If you check this box, you need to enter the SSO Key.

SSO Key

Specify the SSO key. If you have checked the box 'SSO Required, it is mandatory to specify the SSO key.

OPSS

OPSS is available only for weblogic and is not supported for Websphere.

IF OPSS available is checked for weblogic the symmetric key is not stored in the property file for security reasons.



Soracle FLEXCUBE Universal Installer 12.5.0.0.0				
Oracle Banking Installer				ORACLE INSTALLER
Property File Creation - Single Sign	on			
SSO Required		SSO Type	DEFAULT 💌	
SSO KEY	DN	000.900		
Authentication details maintained ex	ternal to FL	EXCUBE		
External Password Required		Authentication Type	MSAD 🔻	
External User Login Required				
	✓ OPSS	Available		
Ontion to provide LDAP server deta	ils			
No. Name		Va	alue	_
1 LDAP SERVER URL		LDAP://10.10.10.10:111		-
3 SECURITY AUTHENTICATION	TYPE	Simple		
4 DOMAIN NAME		I-FLEX.COM		
5 LDAP SERVER TIMEOUT		0		
Option to provide SAML details				-
No. Name		Va	alue	
1 SAML CERTIFICATE PATH		D:\Security\SAML_Implementa	tion\TestFiles\cert\certstore\b.	
2 SAML CERTIFICATE PASSWO	RD	•••••		
3 SAML CERTIFICATE ALIAS		barc		
4 SAML VALID AUDIENCE		bPAID_BWSIT		
Exit Log			Back	Next

Specify the Mail configuring following details:



🔊 Oracle FLEXCUBE Universal Installer 12.5.0.0.0											
0	Oracle Banking Installer										
Property File Creation - SMTPS/Branch/DMS											
Optior	n for Mail configuring using SMTPS Pr	otocol.									
No. Name Value											
4	Liest										
2	Host	infra									
2	Liser Password		_								
4	JNDI Name	mail/FCUBSMail									
	Shiphridino										
Option	n for modifying the Branch properties.										
No.	Name	Value									
1	Date Seperator	-									
2	WorkFLow Frequency	6000									
3	Compress Request	×	-								
Option	n for modifying the DMS/IPM property v	alues.									
No.	Name	Value									
1	Login Service Address	http://10.10.10.10:1010/imaging/ws/LoginService									
2	Document Service Address	http://10.10.10.10:1010/imaging/ws/DocumentService									
3	Document Content Service Address	http://10.10.10.10:1010/imaging/ws/DocumentContentService									
4	IPM User Name	testuser									
5	IPM Password	•••••	-								
-											
	Exit Log	Back	Next								

Provide Scheduler Queue details.



S Oracle FLEXCUBE Universal Installer 12.5.0.0.0	
Oracle Banking Installer	
Property File Creation - Scheduler Queues	
Option for configuring Scheduler Destination Queue	Option for configuring Scheduler Deferred Queue
Notify Destination QUEUE Queue Name NOTIFY, DEST, OUFUE	Notify Deffered Queue Name DEFFERED_DEST_QUEUE
Queue Connection Factory NotifyDestQCF	Deffered Queue Connection Factory DefferedDestQCF
Secure Caller ID	Caller Password
Caller Password	
Notify Queue Location	Option for configuring Log Rotation Interval
Notify Queue Name NOTIFY_QUEUE Dead Letter Queue Name NOTIFY_QUEUE	Scheduler Log Rotation Interval WEEKLY
Notify Queue Connection Factory NOTIFY_MDB_QCF	Option for External Server configuration for Destination Queue. No. Name Value
Secure Caller ID	1 Provide Url iiop://localhost:1010
Caller Password	2 Security Principal •••••••
	3 Security Credential
Exit	Back Next

Provide Scheduler EMS Queue details.

Outgoing Queue Provider URL – It can be Host server URL.Queue Principal– It should be weblogic login username.Queue Credential– It should be weblogic login password.



	acie banking installer		INSTALLER							
Property File Creation - Scheduler EMS Queue										
No.	Name	Value								
1	Incoming Dead Letter Queue Name	EMS_QUEUE_DLQ								
2	Incoming backup Queue Name	EMS_QUEUE_BACK								
3	Incoming Queue Connection Factory	EmsQcf								
4	Secure Incoming Queue Connection									
5	Incoming Queue Caller Id									
6	Incoming Queue Caller Password									
7	Outgoing Dead Letter Queue Name	EMS_QUEUE_DLQ								
В	Outgoing Queue Connection Factory	EmsQcf								
9	Secure Outging Queue Connection									
10	Outgoing Queue Caller Id									
11	Outgoing Queue Caller Password									
12	Outgoing Queue Provider Url	t3://whf00bey.in.oracle.com:8204								
13	Queue Principal	•••••								
14	Queue Credential	••••••								
15	Incoming Queue Name	EMS_INQUEUE								
16	Outgoing Queue Name	EMS_OUTQUEUE								
17	SFMS Incoming Queue	SFMS_INQUEUE								
18	RTGS Incoming Queue	RTGS_INQUEUE								
19	EMS Bulker Queue	BULKER_QUEUE								

Provide EMS FTP/FTPS details



Oracle FLEXCUBE Universal Installer 12.5.0.0.0											
Oracle Banking Installer											
Property file Creation - EMS FTP/FTPS Option for Scheduler EMS FTP/FTPS configuring.											
No.	Name	Value									
1	File TranferMode FTPS	FTPS									
2	Server	10.10.10.10									
3	Userid	OFSS									
4	Password	•••••									
5	File Type	.txt									
6	Swift Format	1									
7	Swift Message Delimiter	v									
8	Swift Message Terminator										
9	MEDIA	SWIFT									
Option No.	n for EMS -Structured Financial Me Name	ssaging System configuration Value									
2	Keystore File Name	/kevstore									
3	Keystore Alias name	•••••									
4	keystore Password	•••••									
E	Exit		Back Next								

Provide Scheduler BIP Advice report configuration details.



Soracle FLEXCUBE Universal Installer	12.5.0.0.0	
Oracle Banking Inst	aller	
Property File Creation - Scheduler BIP	/GI Upload Queue	
Option for configuring Scheduler BIP	and BIP Advice report.	
Bip Queue Name	INTERNAL_BIPREPORT_QUEUE	
Bip DeadLetter Queue Name	INTERNAL_BIP_QUEUE_DLQ	
BipAdvice Queue Name	ERNAL_BIPADVREPORT_QUEUE	
BipAdvice DeadLetter Queue Name	RNAL_BIP_ADVICE_QUEUE_DLQ	
Queue connection factory	BIPQCF	
Secure Caller ID		
Caller password		
Option for configuring details for Sch	eduler GI Upload Queue	
Queue Name	INTERNAL_GI_UPLOAD_QUEUE	
Dead Letter Queue Name	INTERNAL_GI_UPLOAD_DLQ	
Queue connection factory	GI_UPLOAD_QCF	
Secure Caller ID		
Caller Password		
Exit Log		Back Next

Provide Scheduler BI publish report configuration details.



4	Oracle FLEXCUBE Universal Installer 12.5.0.0.0										
Oracle Banking Installer											
	Property File Creation - Reports Option for modifying the Oracle BI Publisher properties.										
	No. Name Value										
1.	1	Server End Point	http://10.10.10.10.0101/xmlpserver/services/v2/ReportService?wsdl								
	2	Name Space	http://xmlns.oracle.com/oxp/service/PublicReportService								
	3	User Name	Administrator								
	4	Password	•••••								
	5	Reports Advice Spool Path	/ReportsSpool								
	6	Advice Type	NATIVE								
	7	BIP Server Version	12c								
	8	BIP Time Zone	IST								
	Ontion	for modifying the OBIEE an	d other property values								
L	option										
	OBIEE	E ENABLED	×								
	OBIEE	URL http://10.1	0.10.10:1234/analytics/saw.dll?Portal&syndicate=Siebel								
	OBIEE	FOLDER D:\BmDb	gsl								
	UDICE	- GIGINOUT ORE	0. 10. 12. 94 analysed/Saw.ull (Logon								
		Exit Log	Back	Next							



Gracle FLEXCUBE Universal	Installer 12.5.0.0.0	a theoreman and the second	E 944	
Oracle Banking	g Installer		F	ORACLE INSTALLER
Property File Creation				
Current screen provides an	option for modifying the De	-Centralized property values.		
Work Area	/BrnDbgs/	Ī		
Image file path	/ImageFile/			
Image file format	JPG			
Online Pooling Frequency	30 in Secs			
Untank Pooling Frequency	1000 in Secs			
Exit Log			Back	Next
				,

Provide the details for de-centralized work area, image file path, image file format, online pooling frequency and untank pooling frequency.

17. Click 'Next' and the following screen is displayed

Click on save property file will be built with latest properties.

Property files can be saved in a particular location and can be used for subsequent processing.

Both DC and Host property files, are saved inside property file save location under folder names - DC and HOST respectively.

Enclosed sample files for reference. Checkpoint: INIT_DATASOURCE in fcubs.properties

DC Property File

fcubs.properties



Host Property File

Env. Property file



ORACLE

Soracle FLEXCUBE Universal Installer 12.5.0.0.0	X
Oracle Banking Installer	ORACLE INSTALLER
Property Installation Current screen Displays the status of the property file 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: BIP_SE 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer f.cubs.ubs.PropWebBipFCJ: Drocess 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer F.cubsInstaller. In invoke : After proce 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. Screen Name for loa 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. Screen Name for loa 2017-11-20120:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: return with Order : co 2017-11-20120:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: return with Order : co 2017-11-20120:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.LosbInstaller. In SetShowPanel: OI 2017-11-20120:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In SetShowPanel: OI 2017-11-20120:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : Obj afread 2017-11-20120:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : Obj afread 2017-11-20120:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : Obj afread 2017-11-20120:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : Obj afread 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. Screen Name for loa 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After proce 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. Screen Name for loa 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller.Screen Name for loa 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Comes 2017-11-20120:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.	RVER_AE_ZON S()->se sess del ad of Ne s with : (om.ofss)-> Set bj alrea formed occess o dy exist iss()> sess del ad of Ne s with : (om.ofss Save
Exit Log Back	Home
Message Property File creation successful. Please proceed to build the I	EAR/WAR

Once property file creation is completed, env.properties file will also be updated in path INSTALLER\SOFT\GUI\logs and \INSTALLER\SOFT\logs. Please note that values from \INSTALLER\SOFT\logs\env.properties will be taken for further steps.env.propertiesfile is updated automatically with DC and Host property file paths generated already. Please verify these paths before proceeding.



2. Loading objects into Host & DC schema via FLEXCUBE Installer

2.1 Introduction

This chapter explains the steps to load objects into Decentralized schema using FLEXCUBE Installer. Note: Before running DB Compilation of any sort, please make sure that System Date Time format and language are provided as English, or otherwise DB Compilation might fail due to improper log names.

2.2 Loading Objects into Host & DC Schema

Before loading objects into the host and DC schema, please make sure you have atleast 10 GB SYSTEM tablespace in the database instance, and atleast 5 GB space in each schema. To load objects into Host and Decentralized schema, follow the steps given below:

- 1. env.properties generated in \INSTALLER\SOFT\logs path will be considered for all the database details.
- 2. Execute Oracle SMS DB Compiler silent Installer bat file i.e. **SMSDBCompileRun.bat** for Windows, for linux run SMSDBCompileRun.sh.

After execution is completed, Host schema should be loaded with Host objects. Invalid count

should be zero after execution. Note: Invalid procedure PR_INSTLR_POST_IMPORT can be ignored.

RECOMPILATION SCRIPT



In case invalid count is greater than zero, fast.sql can be used for invalid re-compilation. Number of threads, and schema name has to be provided as input for the recompilation to happen, e.g. Threads = 8, Schema=DCHOST5

3. Execute Oracle Host DB Compiler silent Installer bat file i.e. **ROFCDBCompileRun.bat** for Windows, for linux run ROFCDBCompileRun.sh.

After execution is completed, Host schema should be loaded with Host objects. Invalid count should be zero after execution. If not, please run recompilation script(fast.sql) provided earlier.





At this point, Day-0 Setup should be done for the Host schema(if not done yet, document <u>FCUBS_DB_Setup</u> can be followed for the same, section 1.3.2).

Check point: In SSTB_USER table Home Entity should be updated properly after Day-0 setup.

 Execute Oracle Branch DB Compiler silent Installer bat file i.e.ROFCBranchDBCompileRun.bat for Windows, for linux run ROFCBranchDBCompileRun.sh.

After execution is completed, DC schema should be loaded with DC objects. Invalid count should be zero. If not, please run recompilation script(fast.sql) provided earlier for branch schema(with branch schema name as input)



3. Decentralized Application setup (via WebLogic)

3.1 Introduction

This chapter explains the steps to setup application in WebLogic server. This includes creation and deployment of EAR and WAR files in Weblogic server. EAR and WAR has to be deployed in HOST as well as BRANCH respectively.

3.2 Application Setup

3.2.1 .ear and war file creation

1. Execute Oracle Ear creation bat, silent Installer bat file i.e. **ROFCEarRun.bat** for Windows, for linux run ROFCEarRun.sh.



- 2. It creates .war file and .ear file.
- 3. Following check points to be verified after .ear and .war file creation.

web.xml file should be proper with xml tags. If not, it will result in servlet exceptions on deployment.

3.2.2 Deploying .ear file in WebLogic server

1. Set SSL port enabled. Go to Environment->Servers-> Select soa_server1(managed server). Make sure SSL Listen Port Enabled checkbox is checked.



ORACLE WebLogic Server A	Iministration Console 12c						
Change Center	🙆 Home Log Out Preferences 🖾 Record Hel	9			Welcome, weblogic Connected to: FCT		
View changes and restarts	Home >Summary of Service >sea_server1						
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for soa_server1	Monitorina Control Danisumante Sanutrar	Canuthy Notae				
Lock & Edit Release Configuration	General Custer Services Keystores S	L Federation Services Deployment Migration	Tuning Overload	Concurrency Health Monitorio	g Server Start Web Services Coherence		
Domain Structure	Click the Lock & Edit button in the Change Cent	r to modify the settings on this page.					
RCTEST2	Save						
Growan Pattions Finizoment Servers Goldens Coherence Clusters	Use this page to configure general features of the View 3NDI Tree 🖗	s server such as default network communications.					
Resource Groups Resource Group Templates	Names	soa_serveri			An alphanumeric name for this server instance. Hore lafo		
	Template:	(No value specified) Charge			The template used to configure this server. More Info		
Work Hanagers Concurrent Templates	den Machine:	Machine1			The Welscope Server host computer (machine) on which this server is meant to run. More Info		
How do I	de Cluster:	(Stand-Alone)			The cluster, or group of WebLogic Server instances, to which this server belongs. More befo		
Configure default network connections Create and configure machines	Cisten Address:	10.184.157.96			The IP address or DMS name this server uses to listen for incoming connections. For example, enter $12.34.5.67\ ormymachine, respectively. More Info$		
Configure clusters Start and stop servers	😤 Listen Port Enabled		Specifies whether this server can be reached through the default plain-text (non-SSL) lister port. More $10^{6}\rm{C}_{\rm ext}$				
 Configure WLD# diagnostic volume Apply a server template 	Listen Port:	8203			The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. Hore Info.,		
System Status 🛛	SSI, Listen Port Enabled				Indicates whether the server can be reached through the default SSL listen port. Hore Info		
Health of Running Servers as of 1:32 AM	55L Listen Port:	8204			The TCP/IP port at which this server listens for 55t, connection requests. More Info		
Critical (0) Overloaded (0)	Client Cert Proxy Enabled				Specifies whether the Http://usterServlet.proxies the client certificate in a special header. Hore Info		
Warning (0) OK (2)	Java Compiler:]avac			The Java compiler to use for all applications hosted on this server that need to compile Java code. More Info		
	Diagnostic Volume:	Low *			Specifies the volume of diagnostic data that is automatically produced by Weldung: Server at run time. Note that the WLDF diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, bits controls the solution of events granted for Tright Recorder. More Info		
	Default Datasource:				The INDI name of a system resource data source used to override the default datasource. More Info		
	- & Advanced						
	- Television						

2. Map Data source as follows

Channe Cardina	A Home Log Out Preferences A Record Help	9	Welcome, weblassic Connected to: FCTE								
Change Center	None Summery of Servers sease servers a Summery of Dedovments a Summery of S	Annual Southers of Decloyments of Jummary of 2000 Data Southers of	ide/feider05								
View changes and restarts	Sattions for sills //reducts										
Click the Lack & Edit button to modify, add or delete items in this domain.	sectings for junc/icjuevus										
Lock & Edit	Configuration Targets Monitoring Control Security Notes										
Reisase Configuration	General Connection Pool Oracle ONS Transaction Diagnostics	Identity Options									
Domain Structure	Click the Lock & Edit button in the Change Center to modify the settings on t	his page.									
FCTEST2	(Seve)	Inu									
B-Environment	Applications get a database connection from a data source by looking up the data source on the Java Yammog and Directory Interface (JIDD) bee and then requesting a connection. The data source provides the connection to the application from its good of database connections.										
⊖-Ousters	This page enables you to define general configuration options for this JDBC do	eta source.	de laur man rédrénnen a considerant mil mais admiré fraudés ma consideran la mil abbetrant man le boor a namenté considerante								
Migratable Targets	- <u>1000 10 352 30 00</u>										
Coherence Clusters Resource Groups	Name:	jsbc/tgdevDS	A unique name that identifies this data source in the WebLogic domain. Hore Info								
Resource Group Templates	Datasource Type:	GENERIC	The data source type. Valid types are: Hore Jafo								
Without Hosts	Scope:	Global	The scope in which the data source is available in Hore Info								
Work Managers	S JNDI Name:		The INDI path to where this data source is bound. By default, the INDI name in the name of the data								
How do I	jdbc/fcjdevOS		source. More litto								
Create JDBC generic data sources											
 Create JDBC GridLink data sources 											
Create LLR-enabled 3DBC data sources											
System Status	🔲 👩 Row Prefetch Enabled		Enables multiple rows to be "prefetched" (that is, sent from the server to the client) in one server								
Health of Running Servers as of 1:36 AM			access. More Info								
Failed (0) Critical (0)	👸 Row Prefetch Size:	48	If row prefetching is enabled, specifies the number of result set rows to prefetch for a client. Hore lafo								
Overloaded (0) Warning (0)	🔊 Stream Chunk Size:	256	Specifies the data chunk use for steaming data types. More Info								
OK (2)	Save										
	that the same a state may a the characteristic to sufficient and										
	Click the Look # Zielf butten in the Charge Center to modify the settings on this page.										

Connection pool as follows,



👸 URL:	jdbc:oracle:thin:@whf00blr.in.oracle.com:1522/FCPDBR2	The URL of the database to connect to. The format of the URL varies by JDBC driver. More Info
🔊 Driver Class Name:	oracle.jdbc.OracleDriver	The full package name of TOBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info
6 Properties:		The list of properties passed to the JDBC driver that are used to create physical database connections. For
user=FC125R2		example: server=dbserver1. List each property=value pair on a separate line. More Info
System Properties:		The list of System Properties names passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List each property=value pair on a separate line. Hore Info
Encrypted Properties:	[Add Securely]	The list of encrypted Properties passed to the JDBC driver that are used to create physical database connections. For example: password-value. There are two ways to entered the values: You can enter several values at once but the encrypted values will be value on the screen unlift you save the changes. To use this option, list each property-value pair on a separate line. Values entered will be encrypted values the screen unlift you save the changes. To use this enter the information securely, save any other changes that you wish to make to this page and dick on the Add Securely button. On the Add a new Encrypted Property page, enter the property name and masked value, and dick OK. Repeat for additional encrypted property values. More Info
A Password:	•••••	The password attribute passed to the JDBC driver when creating physical database connections. Hore Info
Confirm Password:	•••••	
Initial Capacity:	1	The number of physical connections to create when creating the connection pool in the data source. If unable to create this number of connections, creation of the data source will fail. Hore Info
Maximum Capacity:	100	The maximum number of physical connections that this connection pool can contain. More Info
Minimum Capacity:	1	The minimum number of physical connections that this connection pool can contain after it is initialized. More Info
👸 Statement Cache Type:	LRU •	The algorithm used for maintaining the prepared statements stored in the statement cache. More Info
Statement Cache Size:	10	The number of prepared and callable statements stored in the cache. (This may increase server performance.) More Info
Advanced		

ORACLE WebLogic Server	Admini	istration Console 1	12c												
Change Center		Home Log Out	t Preference	s 🐼 Recurd Help	1		Q.								Welcome, weblogic Connected to: FC125D
View changes and restarts		Home > Summary o	d Domain Parts	tions > Summary of Pa	rtition Work Na	nagers > Sur	mmary of Servers	AdminServ	er.						
Click the Lock & Edit button to modify, add delete items in this domain.		Settings for Admin	nServer												
Lock & Edit		Configuration	Protocols	Logging Debug	Monitoring	Control	Deployments	Services	Security	Notes					
Relvieve Configuration		General Cluste	er Services	s Keystores SSI	Federation	Services	Deployment	Migration	Tuning	Overload	Concurrency	Health Monitoring	Server Start	t Web Services Coherence	
Domain Structure		Click the Lock &	Edit button	in the Change Center	to modify the	settings of	n this page.								
PC125DC	~	Save													
Partition Work Managers		Use this page to	configure ge	neral features of this	server such a	s default ne	etwork communi	cations.							
Servers ®-Clusters		View JNDI Tree	ø												
Resource Groups		Name:				Admin	Server						An alphanu	meric name for this server instance. More Info	
Hachines Virtual Hosts		Template: (No value specified) Change The ter							The templa	The template used to configure this server. More Info					
Virtual Targets Work Managers	×	🚓 Machine:				(None)						The WebLo	ogic Server host computer (machine) on which this s	erver is meant to run. More Info
How do I		de Cluster:				(Stand	S-Alone)						The duster,	, or group of WebLogic Server instances, to which t	his server belongs. More lafo
Configure default network connections Create and configure machines		🔁 Listen Addre	HSS:			10.1	84 152 169						The 19 adds 12.34.5.67	iress or ONS name this server uses to listen for incor ormymachine, respectively. More Info	ning connections. For example, enter
Configure clusters Start and stop servers		Z Listen Port E	nabled										Specifies wi	ibether this server can be reached through the defai	ult plain-text (non-SSL) listen port. Hore
Configure WLDF degnostic volume Apply a server template		Listen Port:				720	1						The default	t TCP port that this server uses to listen for regular (non-SSL) incoming connections. More Info
System Status		SSL Listen Po	ort Enabled										Indicates w	whether the server can be reached through the defau	it SSL listen port. More Info
Health of Running Servers as of 11:02 AM		SSL Listen Port:				7202	2						The TCP/IP	P port at which this server listens for SSL connection	requests. More Info
Critical (0) Overloaded (0)		🔝 👩 Client Cer	rt Proxy End	abled									Specifies wi	hether the Http://usterServlet.proxies the client.cert	ficate in a special beader. More Info
Warning (0) Ox. (1)		Java Compiler:				Javac The Lofe.							The Java co Info	The Java compiler to use for all applications hosted on this server that need to compile Java code. More Info	
		Diagnostic Volur	mė:			Low	V						Specifies th that the WE example, th	he volume of diagnostic data that is automatically on LDF diagnostic volume setting does not affect explic his controls the volume of events generated for Figh	oduced by WebLogic Server at run time. Note by configured diagnostic modules. For it Recorder. More Info
		Default Datasou	irce:										The 2NOL in	name of a system resource data source used to over	nde the default datasource. More Info

Set the Targets to both admin server and managed server, based on the application pointing to.



Contracted theorogic server		
Change Center	R Home Log Out Preferences Art Riccord Help	Welcome, weblogic Connected to: FCTE
View changes and restarts	Home >Summery of Sensers >soa_sensers > Summery of Deployments >Summery of Sensers >Summery of Deployments >Summery of XDBC Data Sources >jdbp://kjdevDrS	
Click the Lock & Edif button to modify, add or delete items in this domain.	Settings for jdbc/fcjdev05	
Lock & Edit	Configuration Targets Monitoring Control Security Notes	
Release Configuration	Click the Lock & Edit button in the Change Center to modify the settings on this page.	
Domain Structure	(Save	
PCTEST2 * P-Domain Partitions Environment Serves Coulors	This page allows you to celect the servers or clusters on which you would like to deploy this JDBC data source.	
	Servers	
Server Templates Migratable Targets	AdminServer	
Coherence Clusters Resource Groups Resource Group Templates	🖉 soa_server1	
Machines Virtual Hosts	(Save)	
Work Manaders	Olds the Lock & Edit button in the Change Center to modify the settings on this page.	
How do I		
Target JDBC data sources		
System Status	a	
Health of Running Servers as of 1:39 AM		
Failed (0)]	
Critical (0) Overloaded (0)		
Warning (0)		
OK (2)		

3. Install jax-rs library first and then application EAR(.ear) as follows,

ew changes and restarts	Home > Summary of Samars >sos_annot > Summary of Depleyments > Summary of Depleyments							
Cick the Lock & Advisation to modify, add or Summary of Deployments								
ete items in this domain.	Configuration Control Monitoring							
Reference Configuration	This page displays the list of Java EE applications and standalone application modules installe	d to this domein.						
Resource Groups Resource Group Templates Machines	To install a new application or module for deployment to targets in this domain, click Install.	secong the checkbox next to the approacen name and then	using the cont	os on this page.				
Virtual Hosts	© Customize this table							
Work Managers	Deployments							
Resource Management	[Instat] [Update] [Delete]						Shawing	g 1 to 2 of 2 Pr
Deployments	🗐 Name 👄	State	Health	Туре	Targets	Scope	Domain Partitions	Deploymen
Security Realms	E RCUBSDC1	Active	A Warning	Enterprise Application	sca_server1	Global		100
Diagnostics *	(i) (jax-rs(2.0,2.22.1.0)	Active		Library	soa_server1	Global		100
w do L., 🗉	anstall (Lodate Deterte		ter en			50	Showing	1 to 2 of 2 Pr
Install an enterprise application								
Configure an enterprise application								
Monitor the modules of an enterprise								
splication								
Install a Web application								
item Status 🔡								
alth of Running Servers as of 1:34 AM								
Faled (0) Critical (0)								
Warning (0)								

in oracle.com 8301/console/console.portal?.nlpit=true&.pageLabel=AppDeploymentsControlPage&AppDeploymentsControlParticIthandle=com.bea.console.handlesJM014andle128*com.bea%3AName#33PCTEST2%3CT.ped/3DOomain%39

Start the server e.g.: FCUBSDC1 for first use.

Check Point: Maintain Day

0 Setup, RT related transactions should be completed successfully.

3.2.3 Deploying .war file in WebLogic server

- 1. Set SSL Port enabled.
- 2. Add Data Sources as follows.



ORACLE WebLogic Server	Administration Console 12c		c
Change Center	👔 Home Log Out Preferences 🐼 Record Help	Q	Welcome, weblogic Connected to: FC122
View changes and restarts	Home +Summary of Domain Partitions +Summary of Partit	ion Work Managers >Summary of Servers >AdminServer >Summary of Servers >Summar	y of Deployments a Summary of JOBC Data Sources > jeller/fcjider/DSBranch
Click the Lock & Edit button to modify, add o	f Settings for jdbc//fcjdevDSBranch		
Lock & Edit	Configuration Targets Honitoring Control	Security Notes	
Release Configuration	General Connection Pool Oracle ONS Tra	nsaction Diagnostics Identity Options	
Domain Structure	Click the Lock & Edit button in the Change Center to	modify the settings on this page.	
C22SDC Consin Partitions Consin Partition Work Hanagers Construction Second	Seve		
	Applications get a database connection from a data s This page enables you to define general configuration	ource by looking up the data source on the Java Naming and Directory Interface (n options for this JOBC data source.	(MGI) tree and then requesting a connection. The data source provides the connection to the application from its pool of database connections.
Coherence Clusters Resource Groups	Names	jdbc/fcjdevDSBranch	A unique name that identifies this data source in the WebLogic domain. More Info
Resource Group Templates Machines Virtual Hosts Virtual Targets Work Nanagers	Datasource Type:	GENEROC	The data source type. Valid types are: More Infa
	Scope:	Global	The scope in which the data source is available in More Info
Concurrent Tensolates	JNDI Name:		The JNOI path to where this data source is bound. By default, the JNOI name is the name of the data
How do I • Create 308C generic data sources • Create 308C GridLink data sources • Create LLR-enabled 308C data sources	B 3dbc/fc3devDSBranch		south. Here area
System Status	🖹 🔲 👩 Row Prefetch Enabled		Enables multiple rows to be "prefetched" (that is, sent from the server to the client) is one server
Health of Running Servers as of 11:12 AM			RUCE. HUT INC.
Failed (0) Critical (6)	a Row Prefetch Size:	48	If row prefetching is enabled, specifies the number of result set rows to prefetch for a client. More Info
Overloaded (0) Warning (0)	🚳 Stream Chunk Size:	256	Specifies the data churk size for stearning data types. More Info
OK (1)	[Save]		
	Click the Lock & Edit button in the Change Center to	modify the settings on this page.	

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	items (an fast Baderman (Wolvene weblasic Consistent to 67128					
Change Center	all none cag our merences gas	And and a second design of the	workering, wearings / verification or include					
View changes and restarts	For a second strength of the second streng							
Click the Lock & Edit button to modify, add or delete items in this domain.	activity for Andrew Control of							
Lock & Edit	Configuration Targets Honitor	ng Control Security Notes						
Release Configuration	General Connection Pool Orac	e ONS Transaction Diagnostics Identity Options						
Iomain Structure	Cick the Lock & Edit button in the C	hange Center to modify the settings on this page.						
C1250C	Save							
Domain Partitions Partition Work Managers Environment Servers	The connection pool within a JDBC d WebLogic Server or when deploying	ata source contains a group of 30BC connections that applications reserve, use, and then return to the po the data source to a new target.	ol. The connection pool and the connections within it are created when the connection pool is registered, usually when starting up					
Coherence Ousters	Use this page to define the configura	tion for this data source's connection pool.						
Resource Groups Resource Group Templates Machines	na:	[idbc oracle thin @ofsa2311553 in oracle.com:1521/FC]	The URL of the database to connect to. The format of the URL varies by 3DRC driver. More Info					
Virtual Hosts Virtual Targets Work Managers	Driver Class Name:	oracle jdbc.xx client OracleXADataSource	The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) Here Info					
E-Concurrent Templates	6 Properties:		The list of properties passed to the JOBC driver that are used to create physical database connections. For					
How do I	user=FC125DEC		example: server+dbserver1. List each property+value pair on a separate line. Hore lefo					
Configure testing options for a JDBC data source Configure the statement cache for a JDBC		Ĵ						
Configure credential manning for a 3DBC data	1							
source	System Properties:		The list of System Properties names passed to the XOBC driver that are used to create physical database					
Configure connection harvesting for a connection pool		~	connections. For example: server+dbserver1. List each property+value pair on a separate line. More Info					
Constant constants in the sea								
System Status 🔤								
Health of Running Servers as of 11:12 AM	Encrosted Properties:		The last of accrossing Properties named to the VMC driver that are used to create shorted database					
Failed (0)			connections. For example: password-vulue. There are two ways to entered the values: You can enter several values at each bot the excepted values will be visible on the stones will us can the charge. To use this					
Critical (0)			option, list each property-value pair on a separate line. Values entered will be encrypted when saved. To					
Warning (0)		Add Secondy	enter the information securally, save any other changes that you wish to make to this page and click on the Add Securely button. On the Add a new Encrypted Property page, enter the property name and masked value.					
OK (1)		Ÿ	and click OK. Repeat for additional encrypted property values. More Infe					
	6 Password:		The password attribute passed to the JOBC driver when creating physical database connections. Hore befa					
	Confirm Pessword:	[
	Initial Capacity:	1	The number of physical connections to create when creating the connection pool in the data source. If unable					



		1					
Change Center	Velcome, velblogic Connected to: P					acted to: PC12	
View changes and restarts	Home >Summary of Densen Hartstora >Summary of Particles Work Managers >Summary of Servers >Summary of Servers >Summary of JOBC Data Sources						
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JDBC Data Sources						
Lock & Edit	Configuration Monitoring						
Release Configuration	A 3DBC data source is an object bound to the 3N	DI tree that provides database con	nectivity through a pool of 3DBC connections. Ap	plications can look up a data source on the 3ND	21 tree and then borrow a data	base connection from a data source.	
Contracture	This page summarizes the JDBC data source obj	ects that have been created in this	domain.				
Resource Groups Resource Group Templates	© Customize this table						
	Data Sources (Filtered - More Columns Exist	t)					
	Click the Lock & Edil button in the Change Cent	er to activate all the buttons on thi	s page.				
Concurrent Templates	Hen - Delete					Showing 1 to 2 of 2	Previous Next
Startup and Shutdown Classes	🔝 Rame 🕸	Туре	JNDI Name	Targets	Scope	Domain Partitions	
Services Messagina	jdbr/fcjdevOS8ranch	Generic	jdbc/fcjdevDSBranch	AdminServer	Global		
Data Sources							
How do L.,	New.v Detete					Showing 1 to 2 of 2	Previous Next
Create JDBC generic data sources							
Create 3DBC GridLink data sources							
Create JOBC multi data sources							
Create UCP data sources							
System Status	1						
Health of Running Servers as of 11:06 AM							
Failed (0)							
Critical (0)							
Chandras de da (A)							
Overloaded (0) Warning (0)							

3. Install .war file generated and jax-rs.

a contracta con	Hame Los Out Preferences De Davard Hals						Welcome	weblonic Connected In: EC1
Change Center	Come up or resentes can come the former statement of come characteristics of reservations of the come of the							
View changes and restarts	In the examinant of contain instance sources in the final of the final of the example of the exa							
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Deployments	Summary of Deployments						
Lock & Edit	Configuration Control Monitoring							
Release Configuration	This page displays the list of Java EE applications and standalone application modules installed to	this domain.						
Domain Structure	You can update (refeator) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page. To install a new application or module for deployment to targets in this domain, click Install .							
Resource Management	[instal] [Update] [Delete]						Show	ving 1 to 2 of 2 Previous Ne
Deployments Services	Name és	State	Health	Турс	Targets	Scope	Domain Partitions	Deployment Order
Security Realms	B FCUBSAPP (12.4.0.0.0)	Active	✓ OK	Web Application	AdminServer	Global		100
B-Diagnostics	(jacers(2.0,2.22.1.0)	Active		Library	AdminServer	Global		100
How do I 🖂	and Update Deate	- Astronom					Show	uing 1 to 2 of 2 Previous Ne
Install an enterprise application Configure an enterprise application Uodate (cediport) en enterprise application Monoto the modules of an enterprise application Deploy EIS modules Install a Web application.								
System Status								
Health of Running Servers as of 11:06 AM								
Faled (0)								

4. After deployment both DC server to be started for further use.





Installer Decentralized setup [May] [2020] Version 12.87.06.0.0

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