Payments Installer Database Setup Oracle FLEXCUBE Release 12.4.0.0.0 [May] [2017]

FINANCIAL SERVICES

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# 1. Installing Oracle FLEXCUBE Database

# 1.1 Introduction

Oracle FLEXCUBE database can be installed in one of the following methods.

- Import full dump Import the Oracle FLEXCUBE objects into an empty schema using full dump. This is a manual activity.
- From shipment media Load the shipment media objects into an empty schema using Installer.

These methods are discussed in detail under the following heads.

# 1.2 Creating Schema by Importing Full Dump

Under this method, you need to manually import the Oracle FLEXCUBE DMP file into the Oracle FLEXCUBE schema. This can be done using the following command:

\$impdp user\_name/password directory=dir\_name dumpfile=dmp\_file\_name.dmp logfile=dmp\_file\_name.log remap\_schema=from\_schema\_name:to\_schema\_name remap\_tablespace=from\_tablespace\_name:to\_tablespace\_name transform=OID:n

# 1.3 Creating Schema from Shipment Media

Under this method, you need to create the schema from the shipment media.

# 1.3.1 Backend Setup using Silent Installer

Backend Setup has to be done using Silent Installer. DDL Compilation, Object Compilation and Static Data Load will be taken care as part of Backend Setup.

First Run the SMSDBCompileRun.bat in windows (SMSDBCompileRun.sh in linux) for SMS schema (DB) compilation.

Goto **\INSTALLER\SOFT** path and run the **PMDBCompileRun.bat**.- DDL Compilation, Object Compilation and Static Data load will be done.

For Example: -

Run PMDBCompileRun.bat in windows (PMDBCompileRun.sh in linux)

Check for the Invalid Count and make sure that the Invalid count is '0'.

# 1.3.2 <u>Co-deployment Set-up – Combining Payments With FCUBS</u>

- 1. Copy the **INFRA** folder and the **PM** folder from **Payments** OSDC.zip to the **FCUBS** OSDC.zip.
- Goto \INSTALLER\SOFT path and execute the ROFCDBCompileRun.bat bat file in windows (ROFCDBCompileRun.sh in linux) for FCUBS + Payments- DDL Compilation and Object Compilation.

# 1.3.3 Basic Setup using GUI Installer

The steps to load objects from the shipment media are given below:

1. Launch Oracle FLEXCUBE Installer. Select the Application Name accordingly.

Stracle FLEXCUBE Universal Ins	taller 12.4.0.0.0	– 🗆 X
Oracle FLEXCUBE U	niversal Banking	ORACLE
Prerequisites		
Please specify the JDK and Ora	acle Home path.	
JDK Path	C:/Program Files/Java/jdk1.8.0_111	
Oracle Home	D:/app/sindhu/product/11.2.0/client_2	📔
Application Server Home	C:/Oracle/Middleware/Oracle_Home/wls	erver 📄
Source Path	D:/EAR/FCPayments_12.4.0.0.0	
Destination Path	D:/EAR/FCPayments_12.4.0.0.0	📔
Application Name	Flexcube Universal Banking 💌	
Log	Flexcube Universal Banking Flexcube Payments ELCM	Next Exit
	Corporate Lending	14

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

Gracle FLEXCUBE Universal Installer 12.4.0.0.0	X	
Oracle FLEXCUBE Universal Banking	ORACLE	
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.		
Oracle FLEXCOBE O		
← C Utilities		
Log	Back Next Exit	

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

State FLEXCUBE Universal Installer 12.4.0.	0.0			×
Oracle FLEXCUBE Universal	Banking		ORAC	LE.
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Component for	or installation.			
Property File Database				
EAR Name FCUBS	Context Name	FCJN	leoWeb	
External JSUIXML Required 🗾	External JSUIXML Pa	ath /scra	tch	
Release	KERNEL	-		
File Seperator Style	Linux	-		
Application Server	Weblogic	-		
DataBase Server	Oracle	-		
Log		Back	Next	Exit

4. Choose 'Database Setup'.

Specify the following details:

#### EAR Name

Specify a name for the Application to be deployed

#### **Context Name**

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

#### Release

Specify the release which you want to install.

#### **Database Server**

Specify the database server on which you are installing Oracle FLEXCUBE.

5. Once you have specified the above details, click 'Next' and the following screen is displayed:

Sracle FLEXCUBE Universal Installer 12.4.	0.0.0	– 🗆 X
Oracle FLEXCUBE Universal	Banking	ORACLE'
Installation Type FC Home D:/EAR/FCPayments 12	24000	
FC Home     D:/EAR/FCPayments_12       Image: New Installation     Image: Patch	Rolled-up Patch	
Provide schema details for patch install	ation.	
Name	Value	
Username	FCUBS121	<b>•</b>
Password	•••••	
Service Name	FC1202WI	=
IP Address	10.184.149.177	
Port	1521	
TNS Connect Descriptor	FC1202WI	•
Test Connection		
Log	Ba	ack Next Exit

Select the appropriate installation option. Provide schema details for validation in case of patch and rolled up patch installation. For New Schema details are not enabled. Click 'Next'.

6. Based on the FCHOME chosen, the valid list of deployable units are listed as shown in the next screen:

Choose the required set of Main and Patch releases. Click Next. Following screen is shown.

Source FLEXCUBE Universal Installer 12.4.0.0.0			_	×			
(	Oracle FLEXCUBE Universal Banking					ORA	CLE.
, T	Vali	id Patch List					
	No	Version	Туре	Select			
	1	12.4.0.0.0	CONSOLE	×			
	Log	3			Back	Next	Exit

The Oracle FLEXCUBE installer supports custom installation of Oracle FLEXCUBE in two methods:

- Compile objects and load static data into the database
- Load objects and data by importing data and objects from the import file As mentioned above using the Silent Installer.
- 7. Select 'Load Static Data' under 'Custom Installation'

Oracle FLEXCUBE Universal Installer 12.4.0.0.0	– 🗆 X
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
Log	Back Next Exit

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

Oracle FLEXCUBE Universal Installer 12.4.0.0.0				×
Oracle FLEXCUBE L	Iniversal Banking		ORA	CLE.
Database Installation				
	De-Centralized Branch Requir	ed		
	OFTW Required			
	Process Flow Units Required			
Destination Temp Directory	D:\DESTTEMPDIR		]	
Log		Back	Next	Exit

Specify the following details:

#### **Destination Temp Directory**

Specify the destination directory. Use the directory icon is to browse the destination directory.

#### **OFTW Required**

Mark checked, if OFTW (Oracle Flexcube Testing Workbench) is required

#### **De-Centralized Branch Required**

Mark checked, if de-centralized branch is required. (This is done to create the Materialized View Logs on the Host schema)

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

Source FLEXCUBE Universal Installer 12.4.0	0.0.0 — 🗆 🗙
Oracle FLEXCUBE Universal	Banking ORACLE
Database Installation Provide schema details.	
Name	Value
Username	FC1202SUPT
Password	•••••
Service Name	CPU11G2
IP Address	10.10.10
Port	1521
TNS Connect Descriptor	CPU11G2
No. of Threads for Compilation & Recom Test Connection	ıpilation 4
Log	Back Next Exit

Specify the following schema details:

#### **User Name**

Specify the user name to access the schema.

#### Password

Enter the schema password.

#### Service Name

Provide service name of database.

#### **IP Address**

Specify the IP address of the system where the database schema is installed.

#### Port

Specify the port number.

#### No. of threads for Compilation & Recompilation

Specify the number of processes that would be used to compile the objects and recompile the Objects in Recompile Process. Recommended value is 4 to 8. (no of cores of the machine from where db is being set) .Maximum Limit is No of cores\*2.

#### **TNS Connect Descriptor**

Specify a valid connect string that contains the details for database connectivity.

10. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.

Pote the following:

- If the connection is established, the installer displays a message 'Connection Successful'.
- If there is an error in establishing the connection, the system displays the message 'Invalid DB Credentials'.
- If the TNS entry is not proper, the installer displays the message 'TNS entries are not proper'.
- 11. After testing the connection successfully, click 'Next' and the following screen is displayed:

Oracle FLE	XCUBE Universal Installer 12.4.0.0.0		
Oracle	FLEXCUBE Universal Banking	J	ORACLE
Database	Installation		
This scree	en displays the parameters to be configure	d in v\$paramete	r table.
S.No	Parameter	Current Value	Expected Va
1	_optimizer_connect_by_cost_based	FALSE	FALSE
2	_allow_level_without_connect_by	TRUE	TRUE
3	_unnest_subquery	FALSE	FALSE =
4	_hash_join_enabled		FALSE
5	ALWAYS_SEMI_JOIN		NESTED_LO
6	_optimizer_cost_based_transformation	OFF	off
7	audit_trail	DB	NONE
8	blank_trimming	TRUE	TRUE
9	cursor_sharing	FORCE	EXACT
40		EN OF	EN OF
Log		Bac	k Next Exit

This screen displays the parameter details of the database.

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

Database li	LEXCUBE Universal Banking Installation In displays the Grants provided to the schema.		ORAC	Ľ€.
S.No	Grant Privilege Required	Gra	int provided	
1	CREATE SESSION	Y		-
2	CREATE TYPE	Y		=
3	CREATE TRIGGER	Y		
4	CREATE TABLE	Y		
5	CREATE DATABASE LINK	Y		
6	CREATE LIBRARY	Y		
7	CREATE SYNONYM	Y		
8	CREATE SEQUENCE	Y		-
Generat	e Report			
Log		Back	Next	Exit

This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen.

13. Click 'Generate Report' button, the installer creates an SQL file 'grantScript.sql' containing the script for granting the privileges in the 'Logs' folder and the following screen is displayed

You can use this file to get the access.

Only the sys user can execute the file 'grantScript.sql' for granting privileges.

- 14. Click 'Next' button and the following screen is displayed.
- 15. Click 'Next' and the following screen is displayed:

Basic Set	up Details		
Paramete	rs of CSTB_PARAM table in the Datab	lase.	
S.No.	Param Name	Param value	e
1	PW_OUR_STD_CCY_DEFAULT	Y	-
2	TRACK_LIABILITY	Y	
3	PROJFINCMTRATE	INTEREST_RATE	
4	ELCM_USER_ID	SYSTEM	
5	STMT_SPOOL_PATH	/home/fcubs/logs	
6	CHUNK_SIZE	Y	
7	PROJFINCMTMARGIN	MARGIN	
8	WORKFLOW SESSION TIMEOUT	50	-
4			•

16. Screen displays basic setup details for table 'CSTB\_PARAM'.

Here debug path's can be added for WORK\_AREA and TRACE\_AREA.

17. Update the smtb\_modules\_group table in database, and UPDATE.

Soracle FLEXCUBE Universal Installer 12.4.0.0.0				
Oracle FLEXCUBE Universal Banking			ORACLE	
Basic Setup Details				
r arameter.	Parameters of SMTB_MODULES_GROUP table in the Database. UPDATE			
MODULE	MODULE DESCRIPTION	JNDINAME		
FCPMTS	Payments Module	jdbc/fcjBatchDS		
FCSMS	SMS	jdbc/fcjdevDS		
FCCOMN	Core Services	jdbc/fcjdevDS		
Log		Back	Next Exit	

18. Click 'Next'. The following screen is displayed.

🛓 Oracle FLEXCUBE Universal Installer 12.4.0.0.0			_ <b>_</b> ×
Oracle FLEXCUBE Universal Banking			ORACLE
Basic Setup Details Basic Details for bank and	branch		
Bank Code	CH0		
Bank Name	City Head Office		
Branch Code	001		
Country Code			
Country Description			
Cheque Number Mask	NNNN		
Host Code	HOST1 TimeZone	Asia/Ca	cutta
Process Deployment	BPEL 💌		
Log		Back	Next Exit

Screen displays basic setup details for bank and branch

# Bank Code

Displays the bank code.

# Bank Name

Displays the bank name.

# **Branch Code**

Displays the branch code.

# **Country Code**

Displays the Country code.

### **Country Description**

Displays the Country Description.

#### **Cheque Number Mask**

Displays the Cheque Number Mask

#### **Process Deployment**

Choose mode of process deployment between BPEL or BPMN

19. Click 'Next'. The following screen is displayed.

🕌 Oracle FLEXCUBE Universal Inst	×	
Oracle FLEXCUBE Universal Banking		ORACLE <sup>®</sup>
Basic Setup Details Basic details about dates. Th	e Date Format must be yyyy/mm/dd.	
Input Date Current Business Date Previous Business Date Next Business Date Next To Next Business Date	2017/05/16     2017/05/16     2017/05/15     2017/05/17     2017/05/18	
Log	Back	Next Exit

20. Screen displays basic setup details for dates.

#### Input Date

Displays the input date.

#### Current Business Date

Displays the current business date.

# **Previous Business Date**

Displays the previous business date.

### Next Business Date

Displays the next business date.

#### Next to Next Business Date

Displays the next to next business date.

21. Click 'Next'. The following screen is displayed.

🕌 Oracle FLEXCUBE Universal Installer 12.4.0.0.0				
Oracle FLEXCUBE Universal Banking			ORACLE	•
Basic Setup Details Currency Details.				
Local Currency Code Local Currency Name Current Fin Cycle Current Fin Period ISO Currency Code	USD US Dollar 2011 QT1 294			
Log		Back	Next Exit	

Screen displays basic setup details for currency.

# Local Currency Code

**Displays Local Currency Code** 

Local Currency Name

Displays Local Currency Name

**Current Fin Cycle** 

**Displays Current Fin Cycle** 

## **Current Fin Period**

**Displays Current Fin Period** 

# **ISO Currency Code**

Displays ISO Currency Code.

- 22. Click 'Next' and the following screen is displayed:
- 23. Creation of 'SYSTEM' user is mandatory for payments processing , it needs to be created as part of static data setup.

실 Oracle Fl	EXCUBE Universal Installer 12.4.	0.0.0	X
Oracle FLEXCUBE Universal Banking			ORACLE
Basic Setup Details User Creation with SMS role for login into the Oracle FLEXCUBE.			
No	User Name	Password or LDAP User n	ame
1	ADMINUSER1	•••••	
2	ADMINUSER2	•••••	
Log		Back	Next Exit

Screen displays basic setup details for the table 'SMTB\_USER', 'SSTB\_USER' and 'SMTB\_USER\_ROLE'.

#### **External Password**

Check this box to specify the external password.

#### User Name

Displays the user name.

#### Password or LDAP User Name

Specify the password. You can use the following characters in the password:

- Alphabets in uppercase
- Alphabets in lowercase
- Numerals

You cannot use '\_' (underscore) in the password.

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

Soracle FLEXCUBE Universal Installer 12.4.0.0.0	
Oracle FLEXCUBE Universal Banking	ORACLE
Basic Setup Details	
Current screen Displays the status of the Basic Setup.	
0%	
Start Setup SMS users Log	
Log Back	Next Exit

- 25. Click 'Start Setup' button to compile the entries.
- 26. JNDI name in Smtb\_Modules\_group table need to be updated manually.

This completes the basic setup process.



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