Installer Database Setup Oracle FLEXCUBE Release 12.3.0.0.0 [December] [2016]



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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.

Run the **<Product Processor>**DBCompileRun.bat. DDL Compilation, Object Compilation and Static Data load will be done.

For Example: ROFC INSTALLATION-

- a. Run ROFCDBCompileRun.bat in windows (ROFCDBCompileRun.sh in linux)
- b. Run POJOLoadRun.bat in windows (POJOLoadRun.sh in linux)

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

### 1.3.2 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 Inst	aller 12.3.0.0.0	
Oracle FLEXCUBE Un	iversal Banking	ORACLE
Prerequisites		
Please specify the JDK and Ora	cle 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/v	vlserver 📄 🚞
Source Path	D:/12.3_support/FCUBS_12.3.0.0.0_0	Core_SUPPORT
Destination Path	D:/12.3_support/FCUBS_12.3.0.0.0_0	Core_SUPPORT
Application Name	Flexcube Universal Banking 💌	
Log	Flexcube Universal Banking Flexcube Payments ELCM	Next Exit

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

Source FLEXCUBE Universal Installer 12.3.0.0.0	
Oracle FLEXCUBE Universal Banking	ORACLE
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.	
P     Oracle FLEXCUBE     Universal Banking Infra     Oracle Gateway     Oracle Scheduler	
⊷ 🗂 Utilities	
Log Back	Next Exit

Source FLEXCUBE Universal Installer 12.3.0.0.0						
Oracle FLEXCUBE Universal Banking ORACLE						
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Component for installation.						
Property File Database						
EAR Name	FCUBS					
Context Name	FCJNeoWeb					
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:

Source FLEXCUBE Universal Installer 12.3.	0.0.0	<b>x</b>					
Oracle FLEXCUBE Universal	Banking	ORACLE					
Installation Type FC Home D:\Installer\12.0.3 Exec							
New Installation      Patch	O Rolled-up Patch						
Provide schema details for patch installa	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	Back	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.

🛓 Orac	Oracle FLEXCUBE Universal Installer 12.3.0.0.0							
Ora	Oracle FLEXCUBE Universal Banking							
Vali	Valid Patch List							
No	Version	Туре	Select					
1	12.3.0.0.0	CONSOLE	r					
Log	9		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 12.3.0.0.0					
Oracle FLEXCUBE Universal Banking	ORACLE				
Database Installation Choose installation option.					
<ul> <li>← ☐ Custom Installation</li> <li>← ☐ Centralized Schema</li> <li>← ☐ Load Data</li> <li>└ ☐ Load Static Data</li> </ul>					
Log Back	Next Exit				

Solution of the second	Installer 12.3.0.0.0	
Oracle FLEXCUBE	Universal Banking	ORACLE
Database Installation		
	De-Centralized Branch Required	
	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:

Oracle FLEXCUBE Universal Installer 12.3.0.0         Oracle FLEXCUBE Universal Banking         Database Installation				
Provide schema details.				_
Name	Value			
Username	FC1202SUPT			<b>_</b>
Password	•••••			
Service Name	CPU11G2			
IP Address	10.10.10.10			=
Port	1521			
TNS Connect Descriptor	CPU11G2			
No. of Threads for Compilation & Test Connection	Recompilation	4	].	×
Log	Back	c 1	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.

Note 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:

Uracie	FLEXCUBE Universal Banking		ORA	CLE
Database	Installation			
This scre	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	e 11	EN OF	EN OF	

This screen displays the parameter details of the database.

4	Oracle FLEX	CUBE Universal Installer 12.3.0.0.0				×		
	Oracle FLEXCUBE Universal Banking ORACLE							
Γ	Database Installation This screen displays the Grants provided to the schema.							
	S.No	Grant Privilege Required		Grar	nt provided			
L	1	CREATE SESSION		Y		<b>^</b>		
	2	CREATE TYPE		Y		=		
	3	CREATE TRIGGER		Y				
ι.	4	CREATE TABLE		Y				
ι.	5	CREATE DATABASE LINK		Y				
L	6	CREATE LIBRARY	·	Y				
	7	CREATE SYNONYM		Y				
	8	CREATE SEQUENCE		Y		-		
	Generate 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:

🛓 Ora	Oracle FLEXCUBE Universal Installer 12.3.0.0.0							
Or	Oracle FLEXCUBE Universal Banking							
	Basic Setup Details							
Para	meter	s of CSTB_PARAM table in the Datab	ase.					
S.	No.	Param Name	Param valu	ue				
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			50					
Lo	g		Back	Next Exit				

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

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

Soracle FLEXCUBE Universal In	staller 12.3.0.0.0	
Oracle FLEXCUBE U	ORACLE	
Basic Setup Details Basic Details for bank and I	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/Calcutta
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

Source FLEXCUBE Universal Installer 12.3.0.0.0		
Oracle FLEXCUBE Un	ORACLE	
<b>Basic Setup Details</b> 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	2016/12/13 2016/12/13 2016/12/12 2016/12/14 2016/12/15	
Log	Back	Next Exit

19. 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.

Source FLEXCUBE Universal Installer 12.3.0.0.0		×
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.

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

🛃 Oracle FLEXCUBE Universal Installer 12.3.0.0.0					
Oracle FLEXCUBE Universal Banking			ORACLE		
Basic Setup Details User Creation with SMS role for login into the Oracle FLEXCUBE. External Password					
No	User Name	Password or LDAP User I	name		
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.

Source FLEXCUBE Universal Installer 12.3.0.0.0	
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
Dack	INGAL LAIL

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

This completes the basic setup process.



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