Oracle FLEXCUBE Core Banking

Oracle FLEXCUBE-CORE RCU Installation Guide

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Introduction

This is the first step in installation of Oracle FLEXCUBE-CORE 5.2.0.0.0 release. Here we use Oracle 12C (version 12.1.0.2.0) Database server to setup a centralized repository for all the bank data. This database is updated online and real time by all the delivery channels such ad ATM, Telebanking, Bank Teller etc. This database is the key to "Any time, Anywhere Banking".

This document is logically split in following Sections -

- Pre-requisites
- RCU Setup
- Run RCU

Pre-requisites

Note

This document is to be used to load FLEXCUBE-CORE database objects into the Oracle Database. This script has to be run from a windows operating system with a client installation of Oracle 12c (based on the installation) present.

• Before running RCU (Repository Creation Utility) please make sure Database should be installed on Linux server with specific user, which have all required rights, where you want create the schemas.

• Please take the path of dbf file location.

Please contact of system administrator for above point.

Before starting this process, make sure that the the source of the client installation has an entry for the DB Server on which objects are to be created; and you are able to "**thsping**" that database server from the client machine.



RCU Setup

- 1 Copy the contents from the Oracle_FLEXCUBE_Core_Banking_5.2.0.0.0.zip file in to C or D drive (root Folder) on the computer. Right click on this file and select option to unzip the file with option as 'Extract Here'. This will create a new folder 'Relarea_Encrypted' and extract the files under this folder.
- 2 Go to the path

"Oracle_FLEXCUBE_Core_Banking_5.2.0.0.0\Relarea_Encrypted\flexcube\install\RCU\", and select file 'FLEXCUBE_RCU.zip'. Right click on this file and select option to unzip the file with option as 'Extract Here'. This will create a new folder 'RCU_HOME' and extract the files under this folder.

- 3 Run the MoveFolders.bat from the "Oracle_FLEXCUBE_Core_Banking_5.2.0.0.0\Relarea_Encrypted\flexcube\install\RCU\".
- 4 This bat file move the DB object from Relarea_Encrypted\flexcube to the RCU_HOME corresponding directory, where RCU pickups the files.

Running RCU

Run Rcu.bat from "Oracle_FLEXCUBE_Core_Banking_5.2.0.0.0\Relarea_Encrypted \flexcube\install\RCU\RCU_HOME\BIN\".

This will pop up a RCU Welcome Screen. Please follow the instructions as given below.

4.1 Welcome Screen

🛃 R	epository Creation Utility - We	lcome _ 🗖 🗙
We	lcome	EUSION MIDDLEWARE 118
	Melcome	
	Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Welcome to Repository Creation Utility for Oracle FLEXCUBE 5.2.0.0.0. The Repository Creation Utility enables you to create component schemas that are part of Oracle FLEXCUBE 5.2.0.0.0. Skig this Page Next Time Messages:
	Help	< Back Next > Finish Cancel

4.2 Create/Drop Repository

Repository Creation Utility - Step	D 1 of 7 : Create Repository
Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	© Create Create and load component schemas into a database.
Help	Messages:

Create -- To create a FLEXCUBE-CORE Single Schema

4.3 Database Connection Details

Enter here DB Connection details.

Please contact with system administrator for the input values.

Repository Creation Utility - Step 2	2 of 7 : Database Co 5	nnection Details
Welcome	<u>D</u> atabase Type:	Oracle Database
Database Connection Details Select Components Schema Passwords	Hos <u>t</u> Name:	ofss310738 For RAC database, specify VIP name or one of the Node name as Host name. For SCAN enabled RAC database, specify SCAN host as Host name.
 Map Tablespaces Summary Completion Summary 	P <u>o</u> rt: <u>S</u> ervice Name:	1521 orcl
	<u>U</u> sername:	sys User with DBA or SYSDBA privileges. Example:sys
	Password:	••••••
	<u>R</u> ole:	SYSDBA One or more components may require SYSDBA role for the operation to succeed.
	Messages:	
Help		< <u>B</u> ack <u>M</u> ext > <u>Finish</u> Cancel

*The username field should have a user with DBA or SYSDBA privileges.

4.4 Checking Prerequisites at the DB level

Welcome Database Type: Oracle Database Create Repository Initializing repository Initializing repository VIP name or one of the Node name as Host name. For SCAN enabled RAC database, specify VIP name or one of the Node name as Host name. For SCAN enabled RAC database, specify SCAN host as Host name. Pgrt: 1521 Repository Creation Utility - Checking Prerequisites Initializing repository configuration metadata 00:02.392(sec) Obtain properties of the specified database 00:00.100(ms) Check requirement for specified database 00:00.100(ms) Execute pre create operations 00:00.100(ms) Deration completed. Click OK to continue to next page.
Messages:

Click on 'OK' button

4.5 Select Components

Repository	Creation Utility - St	p 3 of 7 : Select Components	
Select Con	nponents		
Q Welcome		A Prefix groups the components associated with one deployment.	
│ │ │	epository	Component	Schema Owner
Database	Connection Details	Oracle FLEXCUBE 5.2.0.0 Database	
		COrre Database Installation	
Select C	omponents		
Schema F	Passwords		
🄶 Map Table	espaces		
🔶 Summary			
Completio	n Summary		
		Messages:	
		APlease select/specify atleast one component.	
Help		< <u>B</u> ack	Next > Einish Cancel

Please follow below.

- Select checkbox 'Oracle FLEXCUBE 5.2.0.0.0 Database'.
- Select checkbox 'Oracle FLEXCUBE RETAIL'.
- Select checkbox 'FCCORE Database Installation'.
- Please input Host Schema name against field 'FCCORE Database Installation' under column Schema Owner.

* For FCR HOST Schema name please contact your system administrator.

4.6 Checking Prerequisites at the component level

🛃 R	epository Creation	Utility - Ste	p 3 of 7 : Select Components		
Sel	lect Component	S			
0	Welcome		A Prefix groups the components associat	ted with one deployment.	
۱ J	Create Repository		Component		Schema Owner
L (Database Connectio	Repository	Creation Utility - Checking Prerequisi	N Natahaca tes	X
•	Select Componen	Checking Co	omponent Prerequisites		
Ý	Schema Passwords	V FCCo	re Database Installation	00:00.403	(ms)
Ŷ	Map Tablespaces	1			
Ĩ	Summary	Operation c	ompleted. Click OK to continue to next page		
	Completion Summary	oportuitorro	simpleted. Slick of to contained to next page.		
			Messages:		
	Help			< <u>B</u> ack	Next > Einish Cancel

If the following component level pre-requisites are met, RCU progresses to the next screen.

It then checks if the Initial parameters at the instance (SYS) level meets the expected value.

Then checks if the Schema Owner entered by the USER is existing. If existing schema owner is present then RCU will prompt the USER that the SCHEMA exists. The user can ignore the message if he wishes to continue with the existing SCHEMA or you create put new schema name here.

Click on 'OK' button

4.7 Schema Password Screen

Repository Creation Utility - Ste	p 4 of 8 : Schema Passwo	ords				
Schema Passwords						
Welcome	Please enter the passw numbers and the follow character.	vords for the ma ving special cha	ain and additional (auxili racters: \$, # ,Passw	ary) schema users. Passwo vord should not start with a	ord can contain alphabets, number or a special	
Database Connection Details						
Select Components	Password	•••••				
Schema Passwords	Confirm Password	•••••				
<u>Custom Variables</u>	Ollse main schema na	asswords for a	uxiliary schemas			
Map Tablespaces						
Summary	Specify different passwords for all schemas					
Completion Summary	Componen	nt	Schema Owner	Schema Password	Confirm Password	
	Host Single Schema Se	rvice r	CRHUST			
	Messages:					
Help				< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish Cancel	

Please select option 'use same passwords for all schemas' and enter the desired password for new FC CORE Host Schema that has to be created. Please refer to previous screen (point 4.6) for Host Schema name.

If user is using an existing Schema then enter the valid password of that Schema. Please contact your system administrator for Password details

4.8 Custom Variables

ue for the following cu Component Database Installation	Custom Variables. Custom Variable Branch User Name Branch Password Confirm Branch Password Entity Code Bank Code Bank Name De Locie the	Value
Component Database Installation	Custom Variable Branch User Name Branch Password Confirm Branch Password Entity Code Bank Code Bank Name	Value
Database Installation	Branch User Name Branch Password Confirm Branch Password Entity Code Bank Code Bank Name	
	Branch Password Confirm Branch Password Entity Code Bank Code Bank Name	
	Confirm Branch Password Entity Code Bank Code Bank Name	
	Entity Code Bank Code Bank Name	
	Bank Code Bank Name	
	Bank Name	
	0.1.01.111	
	Bank Short Name	
	Bank IC Code	
	Branch Code	
	Currency Code	
	Currency Name	
	Bank Address 1	
	Bank Address 2	
	Bank Address 3	
	Bank City Name	
	Bank State Name	
	Bank Zip Code	
	Bank Country Name	
	SMS User	
	Password for SMS User	
	3:	Currency Name Currency Name Bank Address 1 Bank Address 2 Bank Address 3 Bank City Name Bank State Name Bank Zip Code Bank Country Name SMS User Password for SMS User 3:

Please contact your system administrator/ supervisor for required details

Custom Variables				g
Y Welcome	Enter value for the following) custom variables.		
Create Repository	Component	Custom Variable	Value	
		Bank Short Name		
Database Connection Details		Bank IC Code		н
🔆 Select Components		Branch Code		
Colorea Deservicendo		Currency Code		
<u>Scriema Passwords</u>		Currency Name		
Custom Variables		Bank Address 1		
Man Tablaanaaaa		Bank Address 2		
 Map rapiespaces 		Bank Address 3		
Ϋ́ Summary		Bank City Name		
Completion Summeru		Bank State Name		
Completion Summary		Bank Zip Code		
		Bank Country Name		
		SMS User		33
		Password for SMS User		33
		Confirm Password for SMS User		
		SMS Authorizer		
		Password for SMS Authorizer		
		Confirm Password for SMS Authorizer		
		Datafile Location		
		INSTALL XFACE-(Y/N)	N	
		RCCU Enable Setup-(Y/N)	N	-

Please enter the appropriate details against each field. For example given below

Branch User Name: Please put the Branch Schema Name here.

e.g. FCRBRANCH

Branch Password: Please put the Branch Schema Password here.

Confirm Branch Password: Please put the Branch Schema Password here.

Entity Code: Please put the Entity Code. (Numeric, 3)

e.g. 1 Bank Code: Please put the Bank Code. (Numeric, 5)

e.g. 1

Bank Name: Please put the Bank Name. (Alphabate, 120)

e.g. DEMO BANK OF CHINA

Bank Short Name: Please put the Bank Short. (Alphabet, 60)

e.g. DEMO BANK

Bank ID Code: Please put the Bank IC Code. (Numeric, 5)

e.g. 1

Currency Code: Please put the Currency Code.(Numeric, 5)

Currency Name: Please put the Currency Code.(Alphanumeric, 120)

Bank Address1: Please put the Bank Address 1. (Alphanumeric, 105)

Bank Address2: Please put the Bank Address 2. (Alphanumeric, 105)

Bank Address3: Please put the Bank Address 3. (Alphanumeric, 105)

Bank City Name: Please put the Bank City Name. (Alphanumeric, 105)

Bank State Name: Please put the Bank State Name. (Alphabet, 105)

Bank Zip Code: Please put the Bank Zip Code. Alphanumeric105)

Bank Country Name: Please put the Bank Country Name. (Alphabate, 105)

SMS User: Please put the System userID here. (Alphabate, 36) provide constraint for min/max value.

e.g. SYSUSER01

Password for SMS User: Please put the password for teller userID here provide constraint for min/max value, special character as per SMS Password policy.

e.g. QUALITY123

Confirm Password for SMS User: Please put the confirm password for teller userID here.

e.g. QUALITY123

SMS Authorizer: Please put the authorizer userID here.

e.g. SYSUSER02

Password for SMS Authorizer: Please put the password for authorizer userID here.

e.g. QUALITY123

Confirm Password for SMS Authorizer: Please put the confirm password for authorizer userID here.

e.g. QUALITY123

The SMS User and Authorizer will be used to create other user id's

While logging for the 1st time into FCCORE, system will prompt user to change the password.

Datafile Location: Please specify the datafile location present in the db machine where oracle home is present. (Please contact your system administrator/ supervisor for Data file location path)

Eg. /scratch/home/ora11/app/ora11/product/

Note : In case the database is installed on Windows , use '\\' instead of a '\' to denote the data file location.

Eg. C:\\app\\dbhome\\product\\

INSTALL XFACE(Y\N): Enter Y to XFACE related db objects into the schema and N to proceed with the regular core installation.

RCCU Enable Setup(Y\N): Enter Y to enable the RCCU setup in the schema and N to proceed with the regular installation

Note : If we are using Bootstrap, please make sure you set the below values correctly in the RCU

- Branch Code 9999
- Currency Code 156
- Bank Code 1
- Bank IC Code -- 1

Click on next button to proceed.

4.9 Map Table Spaces

Repository Creation Utility - Step	6 of 8 : Map Tablespaces		server serverist to	
Map Tablespaces			FUSIC	
♀ Welcome ♀ Create Repository	Choose tablespaces for the s below. To create new tablespaces of	elected components. The or modify existing tablespace	default and temporary tablespa	ces are specified in the table
Database Connection Details	Component	Schema Owner	Default Tablespace	Temp Tablespace
Select Components	FCCore Database Inst	FCRHOST	USERS	TEMP
Schema Passwords				
Custom Variables				
Man Tablesnaces				
• <u>summary</u>				
Completion Summary				
	•			
	* Default tablespaces (specif	ied in the configuration file	s) are to be created upon confi	rmation.
				Manage Tablespaces
	<u>M</u> essages:			
Help			< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

*Manage Tablespaces allows the user to change the name, size of the data files.

Click on "Manage Tablespaces" to modify the name and size of the data files corresponding to the table spaces.

Click on Next button

This will create tablespaces.

🕌 Repository Creation Utility - Step	6 of 8 : Map Tablespaces						
Map Tablespaces							
♀ Welcome ♀ Create Repository	Choose tablespaces for the s below. To create new tablespaces of	selected components. The o or modify existing tablespac	default and temporary tablespa	ces are specified in the table			
O Database Connection Details	Component	Schema Owner	Default Tablespace	Temp Tablespace			
Select Components	FCCore Database Inst	FCRHOST	USERS	TEMP			
Schema Passwords							
 Custom Variables 							
Man Tablesnaces							
Rep	oository Creation Utility - Cre	ating Tablespaces					
Validating and Creating Tablespaces							
Check tablespace requirements for selected components 00:00 100(ms)							
Create tablespaces in the repository database 00:00.100(ms)							
	peration completed. Click OK to	continue to next page.					
				OK ablespaces			
	1						
	Messages:						
	J L						
Help			< <u>B</u> ack <u>N</u> ext >	Einish Cancel			

Click on Ok button to continue to next page.

4.10 Summary Screen

Summary	7 of 8 : Summary			
	Database details: Host Name: ofss310738 Port: 1521 Service Name: ORCL Connected As: sys Operation: Create		1	
Map Tablespaces Summary Completion Summary	Component FCCore Database Installation	Schema Owner FCRHOST	Tablespace Type Default Temp Additional	Tablespace Name USERS TEMP None
Help			< <u>B</u> ack <u>N</u> ext >	Create Cancel

*Click on "Create" to start the FLEXCUBE-CORE Database Schema installation.

Note: You may get some pop-ups, regarding ROLE_FINWARE or some other objectspecific popups. Please ignore them and move on with the RCU run, as if these are not ignored, then RCU is stuck at the point of pop-up.

4.11 Completion Summary Screen

Repository Creation Utility - Ste	p 8 of 8 : Completion Summa	ary	FL	DRACLE 12
Welcome Create Repository Database Connection Details Select Components Schema Passwords Custom Variables Man Tableseacee	Database details: Host Name: Port: Service Name: Connected As: Operation: RCU Logfile: Component Log Directory: Execution Time:	10.184.86.101 1521 ORCL.IN.ORACLE.COM SYS Create D:\rcuHome\rcu\log\logd D:\rcuHome\rcu\log\logdir. 6 seconds	l lir.2012-07-17_19-12\rcu.log 2012-07-17_19-12	
Summary Completion Summary	Component Host Service	Success	Logfile No log created	Time 00:00.000(ms)

*Click on "Close" to exit RCU successfully.

Note: Once RCU run is complete, based on the data requirement on installation, you need to run bootstrap on the newly created database.

On running this utility, pre-determined data will get loaded into the product specifc tables.Please make sure to choose Product Only option while running it.

The bootstrap folder is present at the following path within Relarea_Encrypted(inside Installation zip) : Relarea_Encrypted\flexcube\install\Utils\CommonSetup

The Doc to run bootstrap is present at the below path :

Relarea_Encrypted\flexcube\install\Utils\CommonSetup\others\documents\ FLEXCUBE Common Setup & Extract User Guide.doc