FCUBS Database Setup Oracle FLEXCUBE Universal Banking Release 12.2.0.0.0 [May] [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.
- Clone database or template based setup Clone the database 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:

\$ imp user\_name/password file = dmp\_file\_name.dmp full = Y commit = Y log = imp.log compile=n

#### **Post Import Activities**

Once the DMP file is imported, you need to carry out the following activities:

- Enabled all triggers by running the procedure 'pr\_instlr\_post\_import.prc' located under the folder 'InstallOptions\Database\Common'
- Update STTM\_BANK with auto\_gen\_cif='N'
- Update the following tables:
  - actb\_daily\_log
  - bktb\_schema\_defaults
  - > dstb\_maint, ictb\_acc\_action
  - ictb\_action\_log, ictb\_resolution\_error
  - Imtb\_offline\_nodes, Imtb\_offline\_utils
  - > mstb\_current\_msg\_ind\_out
  - > mstb\_dly\_msg\_in
  - > mstb\_dly\_msg\_out
  - mstm\_mcs
  - > mstm\_undo
  - sttm\_branch\_node
  - sttm\_branch
  - sttm\_customer
- Set node as the connection string for the above tables.
- If Branch Setup is required and If the setup is Centralized UPDATE CSTB\_PARAM SET PARAM\_VAL ='C' WHERE param\_name ='DEPLOYMENT\_MODE'



- If Branch Setup is required and If the setup is De-centralized UPDATE CSTB\_PARAM SET PARAM\_VAL ='D' WHERE param\_name ='DEPLOYMENT\_MODE'
- If Branch Setup is required and If the setup is Hybrid UPDATE CSTB\_PARAM SET PARAM\_VAL ='H' WHERE param\_name ='DEPLOYMENT\_MODE'

# 1.3 Creating Schema from Shipment Media

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

# 1.3.1 Loading from Shipment Media

You have an option of loading both host and branch objects together. Database installation includes the provision of details of the schema to connect and the location of the source objects. The objects of the selected modules are compiled as explained below.

# 1.3.1.1 Source Input for installer for DB setup

1. Copy the folder 'MAIN' from the shipment media to a folder in the local system.

Eg: D:\source\MAIN

2. Copy the folder 'ELCM' from the shipment media to a folder in the local system.

Eg: D:\source\ELCM

3. Folder to which you have copied the sources is the source to the Installer.

After copying all the sources from shipment media to a folder in the local system, ensure that the folder containing those has full rights for that user.

It is not mandatory to copy the sources to local system. You may also directly refer the Installer to the shipment media.

# 1.3.1.2 Loading Objects from Shipment Media

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

- 1. Launch Oracle FLEXCUBE Universal Banking Solution Installer.
- 2. Click 'Next' and the following screen is displayed.



솔 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.	
Carlo PLEXCUBE     Oracle FLEXCUBE     Oniversal Banking Solution     Enterprise Limits and Collateral Management     Open Development Tool     Open Development Tool     Gateway     Scheduler     Standalone Payments     Switch Interface Installation     Ittilities	
Log Back	Next Exit

- 3. Choose 'Universal Banking Solution'.
- 4. Click 'Next' and the following screen is displayed:

🛃 Oracle FLEXCUBE Universal Installer						
Oracle FLEXCUBE Universal Banking ORACLE						
Welcome To Oracle FLEX Choose Oracle FLEXCUE	<b>KCUBE</b> BE Component for installation.					
Property File						
Database Duild Application						
Deploy Application						
Release	KERNEL					
File Seperator Style	Linux 💌					
Application Server	Weblogic 💌					
DataBase Server	Oracle 👻					
Log		Back	Next Exit			

5. Choose 'Database Setup'.

Specify the following details:



### Release

Specify the release which you want to install.

#### Server's Operating System and Version

Specify the server's operating system in which you are installing Oracle FLEXCUBE.

#### **Application Server and Version**

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

#### Database Server

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

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

Oracle FLEXCUBE Universal Installer								
Oracle FLEXCUBE Universal	Banking	ORACLE						
Installation Type FC Home C:/SOFT New Installation Patch Rolled-up Patch Provide schema details for patch installation.								
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'.

7. 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.



🛓 Ora	acl	e FLEXCUBE	Universal Instal	ller			
0	ra	OR/	ACLE.				
Valid Patch List							
N	lo	Version	Туре	Select			
	1	12.1.0.0.0	CONSOLE	r			
	2	12.1.0.1.0	PATCH				
<u> </u>	_						
L	og			Back	Next	Exit	

The Oracle FLEXCUBE Universal Solutions 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
- 1. Select the installation type 'Custom Installation'.

🛃 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
Log Back	Next Exit

- 2. Select 'Compile Objects' under 'Custom Installation'
- 3. Click 'Next' and the following screen is displayed:

# ORACLE

Source FLEXCUBE Universal Inst	aller							
Oracle FLEXCUBE Un	iversal Banking	ORACLE						
Database Installation	Database Installation							
	De-Centralized Branch Required							
	OFTW 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)

4. Click 'Next' to start database objects source copy.



🛃 Oracle FLEXCUBE Universal Installer	- • •
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Current screen Displays the status of Object sources being copied.	
0%	
Сору	
Log	Next Exit

- 5. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
- 6. Once the copy process is completed, the installer navigates you to the following screen.

Oracle FLEXCUBE Universal Installe							
Database Installation Provide schema details.							
Name	Value						
Username	FC1202SUPT	<b>▲</b>					
Password	•••••						
Service Name	CPU11G2						
IP Address	10.10.10	=					
Port	1521						
TNS Connect Descriptor	CPU11G2						
TNS Connect Descriptor     CPU11G2       No. of Threads for Compilation & Recompilation     4       Test Connection     4							

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.

7. 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'.
- 8. After testing the connection successfully, click 'Next' and the following screen is displayed:



鉴 Oracle FL	EXCUBE Universal Installer						
Oracle FLEXCUBE Universal Banking							
Database Installation							
This scree	en displays the parameters to be configure	d in v\$paramete	r table.				
S.No	Parameter	Current Value	Expect	ed Val			
1	_optimizer_connect_by_cost_based		FALSE		•		
2	_allow_level_without_connect_by	TRUE	TRUE				
3	_unnest_subquery	FALSE	FALSE		=		
4	_hash_join_enabled		FALSE				
5	ALWAYS_SEMI_JOIN		NESTE	D_LO			
6	_optimizer_cost_based_transformation	OFF	off				
7	audit_trail	FALSE	NONE				
8	blank_trimming	TRUE	TRUE				
9	cursor_sharing	SIMILAR	EXACT				
40	7 V	EN 05	EN OF		•		
Log		Back	Ne	ext	Exit		

This screen displays the parameter details of the database.

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

🛓 Ora	cle FLE	XCUBE Universal Installer				• X			
Or	Oracle FLEXCUBE Universal Banking ORACLE								
Data This	Database Installation This screen displays the Grants provided to the schema.								
	S.No	Grant Privilege Required		Gran	nt 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		-			
Generate Report									
Lo	g		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.

10. 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



실 Oracle	FLEXCUBE Universal Installer			- • •					
Orac	Oracle FLEXCUBE Universal Banking ORACLE								
Databa The sc	Database Installation The screen displays the count of the objects already present in the Database.								
S.No.	Object Type	Count	Drop						
1	MATERIALIZED VIEW	1		<b>^</b>					
2	TABLE	5820							
3	PACKAGE	10254		=					
4	PROCEDURE	443							
5	FUNCTION	206							
6	TRIGGER	376							
7	VIEW	2698		-					
Drop Log Drop All									
Log	Log Back Next Exit								

You can use this file to get the access.

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

You can select the objects to be dropped and click 'Drop' button to drop the selected objects. As you drop the objects, the count in this screen is updated. You can drop all the objects at once using 'Drop All' button.

Click 'Drop Log' button to view the drop log.

The details of the drop process are logged in a file 'Drop\_All.log' in the folder <Destination Folder>/DBLogs.

If all the objects do not get dropped at the first time, you can drop them again.

11. Click 'Next' button and the following screen is displayed.



🙆 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Current screen Displays the status of the objects being compiled.	
100%	
Load DDL DDL Log	
Log	Next Exit

The table, sequences and type objects are compiled and the count is updated.

Click 'DDL Log' button to view the DDL logs. The log file 'LoadDDL.log' will be available in the destination directory under the folder 'DBLogs'.

• Note the following:

- You can rectify the missing DDL objects and recompile them either manually or by redoing the DDL compilation using Installer.
- When you load DDL using this option, the Installer creates a table by name 'BASE\_SQL\_OBJ' in the schema. This table is not from the source. This is a table specific to the Installer that tracks the missing objects against the objects in the shipment media.
- 12. Click 'Next' and the following screen is displayed:



🛓 Oracle FLEXCUBE Universal Installer	- • • <b>×</b>
Oracle FLEXCUBE Universal Banking	ORACLE'
Database Installation Current Screen compiles the scheduler DDL Objects, if require	ed.
Include Scheduler DDLs	
Scheduler DDL Source Path D:\SchedulerDDL\dbTables	
Check Include Scheduler DDLs option, if you want to compile to Objects in the Database as well.	the Scheduler DDL
Provide the Source Path for Scheduler DDL Objects to be comp field and hit the Load Scheduler DDLs button.	piled in the text
Load Scheduler DDLs	
Log	Back Next Exit

Specify the following details:

#### Include Scheduler DDLs

Check this box to include scheduler DDLs.

#### Scheduler DDL Source Path

Specify the location of the 'tables\_oracle.sql' folder, which is available in the extracted 'quartz.jar'.

Quartz is an open source job scheduling service. You can use Quartz to create schedules for executing jobs whose tasks are defined as standard Java components. You first need to download the file 'quartz.tar' and extract it to the local machine. In the extracted folder, find the location of the folder 'dbTables' and enter that path in the field 'Scheduler DDL Source Path'. Please refer release document for version and download url for quartz.

- 13. Click 'Load Scheduler DDLs' to compile the files.
- 14. Click 'Next' and the following screen is displayed:



🙆 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation	
Current screen Displays the status of the objects being compiled.	
0%	
Load Objects Objects Log	
Lon Post	blowt Evit
Back	Next EXI

- 15. Check the objects that you need to load.
- 16. Click 'Load Objects' button. The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.
- 17. Click 'Objects Log' button to view the log. The log file 'LoadAppObj.log' will be available in the destination directory under the folder 'DBLogs'.

You can rectify the missing objects and recompile them either manually or by redoing the Application object compilation using Installer.

- 18. The installer loads the DDL and application objects of the selected modules.
- 19. Click 'Next' and the following screen is displayed. This starts the ELCM POJO installation process.



실 Oracle FLEXCUBE Universal It	nstaller	- • ×
Oracle FLEXCUBE U	Jniversal Banking	ORACLE
Database Installation Current screen is for ELCM F	POJO installation	
Oracle Java Home Path	D:\app\vijiarum\product\11.2.0\client_1\jdk	
Validate		
Log	Back	Next Exit

Wote the following:

≻

- You need to set the following two environment variables for the successful compilation of ELCM POJO JAR files.
  - ORACLE\_HOME (Eg: 'D:\app\ishroy\product\12.1.0\client\_1')
- Path (append the path variable with ORACLE\_HOME\BIN (Eg: 'D:\app\ishroy\product\12.1.0\client\_1\BIN)'

Specify the following details:

#### **Oracle Java Home Path**

Specify the Oracle Java home location. This is required for ELCM POJO compilation.

You can validate the Oracle Java home path by clicking 'Validate' button.

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



🛃 Oracle FLEXCUBE Universal Installer	- • <b>x</b>
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Current screen displays the status of ELCM jar creation and loading into th	ie DB.
Create Jars Load Objects	
Log	Next Exit

This screen displays the status of ELCM JAR file creation. The following JAR files are created in the folder 'SQLJObjects' inside the destination directory.

- ELCMDto.jar
- ELCMKernel.jar
- ELCMKernelSQLJ.jar
- ELCMUtility.jar
- ELCMCommon.jar
- 21. Click 'Load Objects' button to load the JAR files to the database.
- 22. Click 'Next', you can view the list of invalid objects in the following screen.



Database Installation Current screen Displays the n	umber of invalids in the DE 0%	3.	]
Object Type	Invalid Count	Total Count	]
FUNCTION	0	206	1
PROCEDURE	4	443	1
VIEW	0	2698	
TRIGGER	0	376	
PACKAGE	18	10254	1
PACKAGE BODY	356	10135	

- 23. Click 'Invalid List' button to view the count of invalid objects. The installer creates the file 'InvalidList.txt' in the destination directory under the folder 'DBLogs'.
- 24. You can use the 'Recompile' button to do a cyclic recompilation. This will reduce the invalid objects count. The Installer allows you to use 'Recompile' button multiple times, in order to reduce the invalid objects count.
- 25. You can view the recompile logs by clicking 'Log' button. The installer creates a file 'recompile.log' in the destination directory under the folder 'DBLogs'.

# 1.4 Loading Static Data.

This section explains the steps to load static data into the database and the basic setup to be done. Once the objects are loaded, you need to insert data into the tables

# 1.4.1 Steps to Load Static Data :

1. Launch Oracle FLEXCUBE Universal Banking Solutions Installer.



🛃 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
Log Back	Next Exit

- 2. Select 'Load Static Data'.
- 3. Click 'Next' and the following screen is displayed:

🛓 Oracle FLEXCUBE Universal Inst	taller	
Oracle FLEXCUBE Ur	iversal Banking	ORACLE
Database Installation		
	De-Centralized Branch Required	
	OFTW 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 ion 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)

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

🛃 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation	
Current screen Displays the status of Object sources being copied.	
0%	
Сору	
Log	Next Exit

- 5. Click 'Copy' button. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
- 6. Once the copy process is completed, the Installer navigates you to the following screen.



Soracle FLEXCUBE Universal Installer		
Oracle FLEXCUBE Univers	sal Banking	ORACLE
Database Installation Provide schema details.		
Name	Value	
Username	username	<b>^</b>
Password	•••••	
Service Name	servicename	
IP Address	10.10.10.10	=
Port	1521	
TNS Connect Descriptor	TNSNameForService	
No. of Threads for Compilation Test Connection	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.

#### **TNS Connect Descriptor**

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

#### No. of threads for Compilation

Specify the number of processes that would be used to compile INC files. 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.

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



8. After testing the connection, click 'Next' and the following screen is displayed:

Oracle FLE	XCUBE Universal Installer			
Oracle	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 Val	
1	_optimizer_connect_by_cost_based		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	FALSE	NONE	
8	blank_trimming	TRUE	TRUE	
9	cursor_sharing	SIMILAR	EXACT	
40	e 11	EN 05	EN OF	
Log		Back	Next	E×it

This screen displays the parameter details of the database.

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

Oracle FLI	EXCUBE Universal Installer	ORAC	ELE.
Database This scree	Installation en displays the Grants provided to the schema.		
S.No	Grant Privilege Required	Grant 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	-
Genera	ate 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. This is for information purpose.

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



🕌 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Branch Deployment Option.	
Branch Plugin	
Branch DB centralized? Centralized	
Centralized deployment, replication is a seamless process. During a n process of any host function id whose data has to be replicated, that d ediately moved to corresponding branch tables.	authorizatio lata is imm
□De-centralized□ deployment, data can be replicated on an ad-hoc bas	is or in bulk.
□Hybrid□ deployment, certain branches may have a centralized deployr some others may have a decentralized deployment. In this mode, you ca data in bulk.	nent while an replicate
Log	Next Exit

Specify the following details:

# **Branch Plug-in**

Check this box to include branch plug-in. If you check this box, you need to specify the deployment mode in the field 'Branch DB Centralized'.

# **Branch DB Centralized?**

Specify the deployment mode. You can choose one of the following modes:

- Centralized
- Decentralized
- Hybrid
- 11. Once you have specified the above details, click 'Next'.



🛃 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation	
Current screen Displays the status of pre-loading procedures for static da	ata.
	<b></b>
	=
	-
Start Pre-Load process	
Les Date	Neve Total
Log	INEXT EXIT

- 12. Click 'Start Pre-Load Process' button. The installer executes the procedures required before beginning static data compilation. All the triggers gets disabled during this process.
- 13. Click ' Log' button. The installer executes the process log .
- 14. Once the process is completed, the following screen is displayed:

🙆 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation	
Current screen Displays the status of the static data loaded.	
Load Static Data Static Data Log	
Log	Next Exit

- 15. Click 'Static Data Log' button to view the static data log..
- 16. Click 'Next' and the following screen is displayed:

🛓 Oracle Fl	EXCUBE Universal Installer		_ <b>_</b> X
Oracle	FLEXCUBE Universal Ba	nking	ORACLE
Basic Set Paramete	up Details rs of CSTB_PARAM table in the Datal	base.	
S.No.	Param Name	Param valu	ıe
1	CHUNK_SIZE	Y	<b></b>
2	EXCEL_FORMAT	xlsx	
3	BULK_AUTH_COMMIT_FREQ	10	
4	SMTP_PORT		
5	ELCM_LOG_TXN	Ν	
6	EXP_RPT_CCY	GBP	
7	MNTS_ACCT_EMAIL_1		
8	MNTS ACCT EMAIL 2		
Log		Back	Next Exit

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

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

실 Oracle FLEXCUBE Universal In	staller		
Oracle FLEXCUBE U	niversal Banking		ORACLE
Basic Setup Details Basic Details for bank and t	pranch		
Bank Code	CH0		
Bank Name	City Head Office		
Branch Code	001		
Country Code			
Country Description			
Cheque Number Mask	NNNN		
RM_HIERARCHY_SETUP	N 💌		
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

#### **RM\_HIERARCHY\_SETUP**

Select Y if RM\_HIERARCHY\_SETUP is needed

#### **Process Deployment**

Choose mode of process deployment between BPEL or BPMN

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

Solution of the second	aller		_ <b>_</b> X
Oracle FLEXCUBE Un	iversal Banking		ORACLE
Basic Setup Details Basic details about dates. Th	e Date Format must be yyyy/m	m/dd.	
Input Date Current Business Date Previous Business Date Next Business Date Next To Next Business Date	2015/07/08         2015/07/08         2015/07/07         2015/07/09         2015/07/10		
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.

실 Oracle FLEXCUBE Universal I	nstaller		- • •
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:

🛓 Oracle FL	EXCUBE Universal Installer			×
Oracle	FLEXCUBE Universal	Banking	ORACLE	e
Basic Set User Crea	up Details ation with SMS role for login into al Password	the Oracle FLEXCUBE.	-	
No	User Name	Password or LDAP Use	er name	
1	ADMINUSER1	•••••		
2	ADMINUSER2	•••••		
Log		Back	Next Exit	]

Screen displays basic setup details for the table 'SMTB\_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.

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



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

24. Click 'Start Setup' button to compile the entries.

This completes the static maintenance and basic setup process.

# 1.4.2 Import Database Installation

Data import is an alternative method to load the static data into the database. This section describes the process of importing data for installation.

1. Launch Oracle FLEXCUBE Universal Banking Solutions Installer.

🕌 Oracle FLEXCUBE Universal Installer	- • •
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
Log	Next Exit



- 2. Select 'Import Data'
- 3. Click 'Next' and the following screen is displayed:

Oracle FLEXCUBE Universal Installe	er		
Oracle FLEXCUBE Univ	ersal Banking	OR	ACLE
Database Installation Provide schema details.			
Name	Value		
Username	scott		-
Password	••••		
Service Name	orcl.in.oracle.com		
IP Address	localhost		=
Port	1521		
TNS Connect Descriptor	orcl		
			•
Test Connection			
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.

# **TNS Connect Descriptor**

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

- 4. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.
- 5. After testing the connection, click 'Next' and the following screen is displayed:



Oracle	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 Val	
1	_optimizer_connect_by_cost_based		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	FALSE	NONE	
8	blank_trimming	TRUE	TRUE	
9	cursor_sharing	SIMILAR	EXACT	
40	e 11	EN OF	54 OF	•

- 6. This screen displays the parameter details of the database.
- 7. Click 'Next' and following screen is displayed:

)atabase	Installation		
S.No	Grant Privilege Required	Grant provide	ed
1	CREATE SESSION	Y	-
2	CREATE TYPE	Y	=
3	CREATE TRIGGER	Y	
4	CREATE TABLE	Y	
5	CREATE DATABASE LINK	Y	
ô	CREATE LIBRARY	Y	
7	CREATE SYNONYM	Y	
8	CREATE SEQUENCE	Y	-

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



🛃 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation         Data Dump Parameters         Include PAR File         PAR File Name       ImportPAR.txt         On including PAR File option, you are required to update the PAR File and in the physical directory, to which the Oracle Directory is pointing to.         Also mention the PAR File name.	place it
Log	Next Exit

Specify the following details:

#### Include PAR File

Check this box to include the PAR file. If you check this box, you need to specify the PAR file name.

PAR file stands for Parameter File. A PAR file is a text file that contains all valid parameters and their respective values. Maintaining the parameters in text format enables you to modify or reuse them easily.

# PAR File Name

If you have checked the box 'Include PAR File', you need to specify the PAR file name here.

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



🙆 Oracle FLEXCUBE Universal	Installer				
Oracle FLEXCUBE	Universal Banking		ORACLE		
Database Installation					
Data Dump Parameters					
Oracle Directory Name	OracleDir				
Please ensure that the Ora server.	cle Directory name mentioned a	bove is create	d in the		
Also, ensure that the physic	cal directory the Oracle directory	is pointing to	is also		
present.					
h					
Log		Back	Next Exit		
209		DUIDIN	LAR LAR		

Specify the Oracle directory name. This is the directory in the server machine where the import file is located.

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

Solution of the second	ller			
Oracle FLEXCUBE Uni	Oracle FLEXCUBE Universal Banking			
Database Installation Data Dump Parameters				
Dump File Name	FCUBS_MAIN.dmp			
Export Schema Name	FCUBS1BR2			
Export Schema Tablespace	FCUBS1BR2			
Please ensure that the Dump file name mentioned is present in the Oracle Directory in the server. For more details refer the log file associated with the dump file present in the				
Log		Back Next	Exit	

Specify the following details:

#### **Dump File Name**

Specify the import file name.



### **Export Schema Name**

Specify the export schema name from which the import file is imported.

#### **Export Schema Tablespace**

Specify the export schema tablespace from which the import file is imported.

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

Source FLEXCUBE Universal Inst	taller		
Oracle FLEXCUBE Universal Banking			ORACLE
Database Installation Data Dump Parameters			
Import Schema Name	FCTEST		
Import Schema Tablespace	FCTEST		
Provide the schema name and import through Datapump.	d schema tablespace which ha	as been creat	ed to
Log		Back	Next Exit

Specify the following details:

#### **Import Schema Name**

Specify the import schema name to which the import file is loaded.

#### Import Schema Tablespace

Specify the import schema tablespace to which the import file is loaded.

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



🙆 Oracle FLEXCUBE Universal Installer	- 0 💌	
Oracle FLEXCUBE Universal Banking	ORACLE	
Database Installation		
Current screen Displays the status of Data Imported.		
Import Objects Import Data Full Import		
Reak	Novit Evit	
Back	Next	

- 13. This triggers the import operation. You can optionally import the objects, data or full set by using 'Import Objects', 'Import Data' or 'Full Import' buttons respectively.
- 14. Click 'Import' button to import the database with the PAR file parameters.



# 2. Setting up Branch Database

For installing branch database, you need to complete the following tasks.

- Provide Grants in the Host Schema
- Replicate Branch Data from Host Schema

# 2.1 Providing Grants in Host Schema

You need to provide the following grant to the Host Schema database:

dbms\_java.grant\_permission( '<schema\_name>', 'java.net.SocketPermission', '\*', 'connect,resolve' )

If the decentralized branch application is SSL enabled, the following steps need to be performed to support replication from host to decentralized schema.

- 1. Create a directory at the Database server where the keystore will be stored.
- 2. Create Oracle Directory in the same path with directory name 'BRANCH\_SSL\_KEYSTORE' and with DBA role.

The following grants need to be provided to host schema database:

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>','java.io.FilePermission', '<<path as specified in Oracle directory>>/\*', 'read ,'write', execute');

exec dbms\_java.grant\_permission('<< SCHEMA NAME >>', 'java.io.FilePermission', '\*', 'read , execute');

exec dbms\_java.grant\_permission('<< SCHEMA NAME >>', 'SYS:java.lang.RuntimePermission', 'writeFileDescriptor', '\*');

exec dbms\_java.grant\_permission('<< SCHEMA NAME >>', 'SYS:java.lang.RuntimePermission', 'readFileDescriptor', '\*');

grant javauserpriv to <<USER\_NAME>>;

exec dbms\_java.grant\_permission( '<< SCHEMA NAME >>', 'SYS:java.util.PropertyPermission', 'javax.net.ssl.trustStore', 'write' );

exec dbms\_java.grant\_permission('<< SCHEMA NAME >>','SYS:java.util.PropertyPermission', 'java.protocol.handler.pkgs','write');

exec dbms\_java.grant\_permission( '<< SCHEMA NAME >>', 'SYS:java.security.SecurityPermission', 'insertProvider.SunJSSE', " );

exec dbms\_java.grant\_permission( '<< SCHEMA NAME >>', 'SYS:java.net.SocketPermission', '<<HOST>>:<<PORT>>', 'connect,resolve' );

exec dbms\_java.grant\_permission( '<< SCHEMA NAME >>', 'SYS:javax.net.ssl.SSLPermission', 'setHostnameVerifier', " );



Execute dbms\_java.grant\_permission(' SCHEMA NAME ', 'java.io.FilePermission', 'DB DEBUG PATH\*', 'read,write');

/Execute dbms\_java.grant\_permission(SCHEMA NAME, 'SYS:java.util.logging.LoggingPermission', 'control', ");

/

Execute dbms\_java.grant\_permission(SCHEMA NAME, 'SYS:java.util.PropertyPermission', '\*', 'read,write');

/

Execute dbms\_java.grant\_permission(SCHEMA NAME, 'SYS:java.io.FilePermission', '<<ALL FILES>>', 'execute');

/

# 2.2 Populating Branch Schema

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

- 3. Launch Oracle FLEXCUBE Universal Banking Solution Installer.
- 4. Click 'Next' and the following screen is displayed.

🛃 Oracle FLEXCUBE Universal Installer						
Oracle FLEXCUBE Universal Banking	ORACLE					
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.						
P- Oracle FLEXCUBE         Oracle FLEXCUBE         Iniversal Banking Solution         Enterprise Limits and Collateral Management         General Ledger         Open Development Tool         Gateway         Scheduler         Standalone Payments         Switch Interface Installation						
Log Bac	x Next Exit					

- 5. Choose 'Universal Banking Solution'.
- 6. Click 'Next' and the following screen is displayed:



🛓 Oracle FLEXCUBE Universal Installer					
Oracle FLEXCUBE Universal Banking ORACLE					
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Component for installation.					
Property File					
Database Build Application Deploy Application					
Release	KERNEL -				
File Seperator Style	Linux 💌				
Application Server	Weblogic 💌				
DataBase Server	Oracle 💌				
Log		Back	Next Exit		

# 7. Choose 'Database Setup'.

Specify the following details:

#### Release

Specify the release which you want to install.

#### Server's Operating System and Version

Specify the server's operating system in which you are installing Oracle FLEXCUBE.

#### **Application Server and Version**

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

#### **Database Server**

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

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



S Oracle FLEXCUBE Universal Installer					
Oracle FLEXCUBE Universal	Banking	ORACLE			
Installation Type FC Home C:/SOFT					
New Installation     O 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".

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

실 0	🔬 Oracle FLEXCUBE Universal Installer					
C	Oracle FLEXCUBE Universal Banking					
	Valid Patch List					
	No	Version	Туре	Select		
	1	12.1.0.0.0	CONSOLE	۷		
	2 12.1.0.1.0 PATCH					
- I-						
	Log Back Next Exit					
	_					

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

10. Expand the installation type > 'Custom Installation' > Branch Schema.



Source FLEXCUBE Universal Installer 12.1.0.0.0	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
P Installation Type Custom Installation Centralized Schema Compile Object Load Data Branch Schema Compile Branch Objects Load Branch Data	
Log	Next Exit

- 11. Select 'Compile Branch Objects' under 'Branch Schema'.
- 12. Click 'Next' and the following screen is displayed:



Source FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE'
Branch Schema Installation	
Destination Temp Directory D:\DESTTEMPDIR	
Log	Back Next Exit

Specify the following details:

# **Destination Temp Directory**

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

Click next, the following screen will be displayed.



Oracle FLEXCUBE Universal Banking ORACLE			
Name	Value		
Username	username	<b>^</b>	
Password	•••••		
Service Name	servicename		
IP Address	10.10.10	=	
Port	1521		
TNS Connect Descriptor	TNSNameForService		
Test Connection			
Log	Back	Next Exit	

4	Oracle FLEXCUBE Universal Installer	and the second		
	Oracle FLEXCUBE Universal Banking			ACLE
	Branch Schema Installation Provide Branch schema details.			
	Name	Value		
	TNS Connect Descriptor	testdb.world		<b></b>
	DBLink Username	installer		
	DBLink Password	installer		=
	DBLink Service Name	testdb		
	DBLink IP Address	10.10.10.10		
	DBLink Port	1521		•
	Test Connection			
	Log	Back	Next	Exit

Oracle FLEXCUBE Universal Installer		
Oracle FLEXCUBE Universa	l Banking	ORACLE
Branch Schema Installation Provide Branch schema details.		
Name	Value	
DBLink Service Name	testdb	<b>_</b>
DBLink IP Address	10.10.10.10	
DBLink Port	1521	
DBLink TNS Connect Descriptor	testdb.world	
Branch (use ',' for multiple branches)		
Addition of branch	N	•
Test Connection		
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.

### **TNS Connect Descriptor**

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

# ORACLE

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

Prote 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'.

#### DBLink User Name

Specify the host schema name that the DBLink needs to connect to..

#### DBLink Password

Specify the host schema password that the DBLink needs to connect to.

#### DBLink Service Name

Specify the host service name that the DBLink needs to connect to.

#### DBLink IP Address

Specify the host IP Address that the DBLink needs to connect to.

#### **DBLink Port**

Specify the host Port Number that the DBLink needs to connect to.

#### **DBLink TNS Connect Descriptor**

Specify the host TNS Connect Descriptore that the DBLink needs to connect to.

#### Branch( use ',' Separator for multiple branches)

Specify the branches which will be present in the branch schema. For multiples branch in a schema use a ',' separator . For example --- DC1,DC2 .

#### Addition of Branch

Default value is N, If a new branch is to be added , kindly specify this as Y.

For example, if it's a fresh branch setup, this value has to be N. After some years if we decide to add a new branch to an existing branch schema, this value has to be Y and the new branch has to be specified under branch above the addition of branch field.

14. After testing the connection successfully, click 'Next' and the following screen is displayed:

# ORACLE

Soracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Branch Schema Installation	
Current screen Displays the status of the objects being compiled.	
100%	
Module CORE         10 View files Copied.         1 Function files Copied.         32 Package files Copied.         28 Package Body files Copied.         Module :SMS         7 View files Copied.         2 Function files Copied.         21 Package files Copied.         18 Package Body files Copied.         DDL Branch Object Loading Started	
Copy Load DDL DDL Log	
Log Back	Next Exit

Click copy button to copy the files to destination directory.

Click "Load DDL" button to start loading the DDLs.

The logs can be viewed by clicking DDL log.

Click next to get next page



🙆 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation	
Current screen Displays the status of the objects being compiled.	
0%	
Load Objects Objects Log	
Log	Next Exit

- 15. Click 'Load Objects' button. The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.
- 16. Click 'Objects Log' button to view the log. The log file 'LoadAppObj.log' will be available in the destination directory under the folder 'DBLogs'.

You can rectify the missing objects and recompile them either manually or by redoing the Application object compilation using Installer.

- 17. The installer loads the DDL and application objects of the selected modules.
- 18. You can view the list of invalid objects in the following screen.



Bracnh Schema Installation Current screen Displays the r	number of invalids in the DI 0%	В.	1
Object Type	Invalid Count	Total Count	]
FUNCTION	0	206	1
PROCEDURE	4	443	1
VIEW	0	2698	1
TRIGGER	0	376	
PACKAGE	18	10254	
PACKAGE BODY	356	10135	
Invalids List Recom	pile		1

- 19. Click 'Invalid List' button to view the count of invalid objects. The installer creates the file 'InvalidList.txt' in the destination directory under the folder 'DBLogs'.
- 20. You can use the 'Recompile' button to do a cyclic recompilation. This will reduce the invalid objects count. The Installer allows you to use 'Recompile' button multiple times, in order to reduce the invalid objects count.
- 21. You can view the recompile logs by clicking 'Log' button. The installer creates a file 'recompile.log' in the destination directory under the folder 'DBLogs'.

#### Load Branch Data

22. Launch installer, follow the same steps as "Compile Branch Objects" til the below screen "Database Installation" appears. Then expand the installation type > 'Custom Installation' > Branch Schema.



Soracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Database Installation Choose installation option.	
<ul> <li>P- ☐ Installation Type</li> <li>P- ☐ Custom Installation</li> <li>P- ☐ Centralized Schema</li> <li>- ☐ Compile Object</li> <li>- ☐ Load Data</li> <li>P- ☐ Branch Schema</li> <li>- ☐ Compile Branch Objects</li> <li>- ☐ Load Branch Data</li> </ul>	
Log	k Next Exit

- 23. Select 'Load Branch Data' under 'Branch Schema'.
- 24. Click 'Next' and the following screen is displayed:



Soracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Branch Schema Installation	
Destination Temp Directory D:\DESTTEMPDIR	j 🛅
Log	Next Exit

Specify the following details:

# **Destination Temp Directory**

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

Click next, the following screen will be displayed.



Source FLEXCUBE Universal Installer				
Oracle FLEXCUBE Univers	Oracle FLEXCUBE Universal Banking			
Database Installation Provide schema details.				
Name	Value			
Username	username		-	
Password	•••••			
Service Name	servicename			
IP Address	10.10.10.10		=	
Port	1521			
TNS Connect Descriptor	TNSNameForService			
Test Connection	Back	Next	Fxit	
Log	Back	Next	EXIT	



<u>¢</u> ,	Oracle FLEXCUBE Universal Installer		C	
	Oracle FLEXCUBE Unive	ersal Banking	C	RACLE
	Branch Schema Installation Provide Branch schema details.			
	Name	v	alue	
	TNS Connect Descriptor	testdb.world		
	DBLink Username	installer		
	DBLink Password	installer		=
	DBLink Service Name	testdb		
	DBLink IP Address	10.10.10.10		
	DBLink Port	1521		•
	Test Connection			
	Log	(	Back Next	Exit



Oracle FLEXCUBE Universal Installer		
Oracle FLEXCUBE Universal	ORACLE	
Branch Schema Installation Provide Branch schema details.		
Name	Value	
DBLink Service Name	testdb	<b></b>
DBLink IP Address	10.10.10.10	
DBLink Port	1521	
DBLink TNS Connect Descriptor	testdb.world	=
Branch (use ',' for multiple branches)		
Addition of branch	N	-
Test Connection		
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.

# ORACLE

#### **TNS Connect Descriptor**

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

25. 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'.

#### DBLink User Name

Specify the host schema name that the DBLink needs to connect to..

#### DBLink Password

Specify the host schema password that the DBLink needs to connect to.

#### DBLink Service Name

Specify the host service name that the DBLink needs to connect to.

#### DBLink IP Address

Specify the host IP Address that the DBLink needs to connect to..

#### **DBLink Port**

Specify the host Port Number that the DBLink needs to connect to.

#### **DBLink TNS Connect Descriptor**

Specify the host TNS Connect Descriptore that the DBLink needs to connect to.

#### Branch(use ',' Separator for multiple branches)

Specify the branches which will be present in the branch schema. For multiples branch in a schema use a ',' separator . For example --- DC1,DC2

#### Addition of Branch

Default value is N, If a new branch is to be added , kindly specify this as Y.

For example, if it's a fresh branch setup, this value has to be N. After some years if we decide to add a new branch to an existing branch schema, this value has to be Y and the new branch has to be specified under branch above the addition of branch field.

26. After testing the connection successfully, click 'Next' and the following screen is displayed:



Click "Copy Static Data" button to copy the files to destination directory.

Click "Load Static Data" button to start loading the static data to schema.

The logs can be viewed by clicking "Static Data logs" button.

Click "Refresh MV' button to refresh all the data from host schema to the branch schema



# 3. Providing Grants for ELCM

The following list of permissions needs to be granted to the schema to complete the ELCM POJO set up.

# 3.1 List of permissions

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.io.FilePermission', '<<debug path>>/\*', 'read,write,execute,delete');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.io.FilePermission', '<<ALL FILES>>', 'read,write,execute,delete');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.io.FilePermission', '\*', 'read,write,execute,delete');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.lang.RuntimePermission', 'writeFileDescriptor', '\*');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.lang.RuntimePermission', 'readFileDescriptor', '\*');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.lang.RuntimePermission', 'writeFileDescriptor', '');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.lang.RuntimePermission', 'readFileDescriptor', '');

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.util.PropertyPermission', '\*', 'read,write' );

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.util.logging.LoggingPermission', 'control', ");

exec dbms\_java.grant\_permission('<<SCHEMA NAME>>', 'SYS:java.lang.reflect.ReflectPermission', 'suppressAccessChecks', ");

The grants provided can be verified by executing the script: SELECT \* FROM elcm\_missing\_java\_permissions;

# ORACLE



FCUBS Database Setup [May] [2016] Version 12.2.0.0.0

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