Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 14.5.5.0.0 Part No. F56689-01 [May] [2022]



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# 1. Switch Interface Installation

## 1.1 Introduction

This document explains about the switch interface installation.

## 1.2 Installing Switch Interface

To install switch interface, follow the steps below:

1. Run 'FCUBSInstaller.bat' batch to launch Oracle FLEXCUBE Universal Installer. The following screen is displayed.

Source FLEXCUBE Universal Installer	
Oracle Banking Installer	
Welcome To Oracle Universal Banking Installer	
Prerequisites	
<ul> <li>Oracle Database should be installed.</li> <li>JDK should be installed.</li> </ul>	
Please specify the JDK and Oracle Home path.	
JDK Path	Browse
Oracle Home Path	Browse
Please select any one of the below options:	
Property File creation	
⊖ Utilities	
Exit Log	 Back

- 2. Enter appropriate JDK Path and Oracle Home Path.
- 3. Click Property File Creation and click "Next". The following screen is displayed.



Stracle FLEXCUBE Universal Installer 12.5.	0.0.0	- X							
Oracle Banking Installe	er								
Select one of the Components									
Load Existing Property File		Browse							
○ INFRA ○ Scheduler ○ Gate	way								
Select Oracle Product Processors									
Oracle FLEXCUBE Universal Banking									
Oracle FLEXCUBE Enterprise Limits a	nd Collateral Management (CO-DEPLOY)								
Oracle Banking Payments									
Oracle Banking Corporate Lending	Open Development Tool								
Oracle Banking Treasury	Oracle FLEXCUBE Universal Banking for JAPAN								
Oracle Banking Trade Finance									
Select Plugins to be Installed									
Host Address 10.10.10.10 1010	Origination Scheduler								
<b>Reports</b> 10.10.10.10 1010	SIANET Adapter								
DMS 10.10.10 1010	Insulation External Adapter required								
Exit Log	Back	Next							

- 4. Select 'Switch Interface Installation'.
- 5. Click 'Next'. The following screen is displayed.



🙆 Oracle FLEXCUBE Universal Installe	er		
Oracle Banking Ins	staller		
Installation Type Source Path Provide schema details		Browse	
Name	Value		
Username	installer	<b>A</b>	
Password	•••••		
Service Name	testdb	=	
IP Address	10.10.10		
Port	1521		
TNS Connect Descriptor	testdb	-	
Test Connection			
Exit Log		E	Back Next

- 6. Enter Source Path and schema details. The Source Path is the place where FCHOME.ini file is there.Also do Test Connection to check Schema details are correct.
- 7. Based on the FC HOME chosen, the valid list of deployable units are listed as shown in the next screen:



🕌 Oracle FLEXCUBE	Universal Insta	ller 12.5.0.0.0			- 🗆 ×
Oracle Ba	anking In	staller		-	ORACLE INSTALLER
Valid Patch List					
No Version	Туре	S	elect		
1 14.5.0.0.0	CONSOLE		<b>r</b>		
Exit	Log			Back	Next

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



Source FLEXCUBE Universal Installer 12.5.0.0.0	- 🗆 X
Oracle Banking Installer	
Switch Integration	
Choose Operating System.	
Operating System	
Mac Key 1234567890	
Symmetric Key oraclefinancials	
Exit Log	Back Next

9. Specify the following details:

## **Operating System**

Select the operating system from the adjoining drop-down list.

## Mac Key

Give Mac key which is used in switch Integration application.

## Symmetric Key

Symmetric Key is used to encryption and decryption.



🖆 Oracle FLEXCUBE Universal Installer 12.5.0.0.0 – 🗆 🗙							
Oracle Banking	Installer						
Switch Integration Specify destination and deployment path.							
Destination Directory	D:\DESTTEMPDIR	Browse					
Deployment Path	/DESTTEMPDIR	Browse					
Deployed area Java Home	/DESTTEMPDIR/jdk	Browse					
Exit Log			Back Next				

11. Specify the following details:

#### **Destination Directory**

Specify the destination directory. You can use the directory button to browse to the location. This has to be on the local machine. For example, D:\switch\dest

Deployment Path & Deployment Are Java Home folders have to manually created on the server and the same paths must be given in the below steps.

### **Deployment Path**

Specify the deployment Path. You can use the directory button to browse to the location. This has to be on the server. Example: /scratch/WORK\_AREA/DEV/FC141INSTEST/SWITCH

#### Deployed area Java Home

Specify the deployed area java home. You can use the directory button to browse to the location. This has to be on the server. Example: /scratch/WORK\_AREA/DBA/jdk1.8.0\_171



Oracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Switch Integration	
The screen copies the Switch integration related files from source to destination.	
Сору	
Exit Log	Back Next

- 13. Click 'Copy' to copy the switch integration related files from the source to destination.
- 14. Click 'Next'. The following screen is displayed.

This screen shows list of jars required for compilation. This screen will be available in SOFT mode only. Availability of jars in respective location will be shown in Available column as Yes/No.



<u>چ</u>	Oracle FLEXCUBE Universal Installer						
	Orac	le Banking Install	er				RACLE STALLER
	SWIG Proc	c <b>ess</b> n lists the JARS that are requir	ed for compilation				
	No.	Name	Location	Available			
1.	1	1 ucp.jar	/SwitchGateway/lib	No			
ι.	2	2 ojdbc6.jar	/SwitchGateway/lib	No	1=		
	3	3 commons-codec-1.10.jar	/SwitchGateway/lib	Yes	-		
L							
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	Exi	t Log				Back	Next
	EX					Dack	IVEX



4	Oracle FLEXCUBE Universal Installer							
	Oracle Banking Installer							
		tch Integration rent Screen provides the switch	common properties					
L	No	. Name	Value					
	1	SWIG Debug	Ν	<u> </u>	1			
L	2	Message Debug	Ν	=				
L	2	Message logger log file path	D:\SwitchDbg					
L	4	Archive Folder path	D:\SwitchDbgBACKUp	<b>•</b>				
L								
L								
L								
L								
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L								
H	_							
		Exit Log			Back Next			

16. Specify the following general switch properties details:

## SWIG Debug (SWIG- Switch Integration Gateway)

Select 'Y' if debug is required. If you select 'Y', then the exceptions generated in the SWIG java layer will be recorded in the Message Logger log file path.

## Message Debug

Select 'Y' if Message debug is required. If you select 'Y', then the request and response messages will be recorded in Message Logger log file path.

#### Message logger File Path

Specify the path for log files to be written.

## Archive Folder Path

The system displays the folder path where all the logged files are archived; however you can modify this, if required.

### Debug Available Days

The system displays the number of days after which the debug files will be archived; however, you can modify this, if required.



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

Current	Screen provides the sw	vitch socket proper	ties		
S.No.	Channel	Port	Channel Type	Include	
1	CHANNEL1	2100	ATM		
2	CHANNEL2	2102	ATM		
3	CHANNEL3	2104	ATM		
4	CHANNEL4	2108	ATM		
5	CHANNEL5	2110	ATM		
6	CHANNEL6	2112	ATM		
7	CHANNEL7	2114	ATM		
8	CHANNEL8	2116	ATM		
9	CHANNEL9	2118	ATM		
10	CHANNEL10	2120	ATM		
Internal	Request Acceptor Sock		1119		

18. Configure the channels that are used.

## Port

The system displays the port number of the corresponding channel to which the switch can connect to send/receive transactions.

## **Channel Type**

Select the channel name to be used as an identifier in Switch to send/receive transactions. Select one of the following:

- ATM
- POS
- IVR
- ALL

## Include

If you check this box, the switch can communicate with the corresponding port. If unchecked, the Switch cannot communicate with the corresponding port.



## Internal Request Acceptor Socket Port

System displays the internal request acceptor socket port number; however you can modify this, if required.

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

4	Oracle FLEXCUBE Universal Installer					
	Orac	le Banking Installer				
		Integration Screen provides the switch message properties				
	S.No.	Name	Value			
	1	Message Reading Type	ASCII			
	2	ISO Version	1987			
	3	Bitmap Binary	N			
	4	Number of Maximum Message threads	8			
	E	t los			Rook Next	
	Exi	tLog			Back Next	

20. Specify the following details to configure the message type.

## Message Reading Type

The system displays the way in which messages are read. This can be either 'ASCII' or 'Binary'; however, you can modify this, if required.

## **ISO Version**

The system displays the ISO version using which the Switch server will be communicating with our system; however, you can modify this, if required. The allowed values are 1987, 1993, 2003. The default value is 1987.

## **Bitmap Binary**

The system displays the bitmap type of the message. This can be 'Binary Bitmap' or 'ASCII Bitmap'. Select 'N' to indicate the 'ASCII Bitmap'; whereas, select 'Y' to indicate the 'Binary Bitmap'.



## Number of Maximum Message threads

21. Specify the no of message threads. By default, it is eight.

There is an option to provide Multi Entity names.

Gracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Multi Entity Names	
Provide Entity Names	
MultiEntity Required	· · · · ·
S.No Entity Name	
Exit Log	Back Next



۹	Ora	cle FLEXCUBE Universal Installe	r		
	0	racle Banking Ins	taller		
		ch Integration ent Screen provides the switch	properties		
	No.	Name	Value		
1		Username	FLEXSWITCH	<b>_</b>	
2		Switch Port Required	Y		
3		Switch Port Number	1010	=	
4		Switch IP Address	10.10.10		
5		Switch Wait Time	10000	<b>•</b>	
		Exit Log		Bac	k Next
	-				

23. Specify the following details to configure the Switch properties.

#### Username

The system displays the Oracle FLEXCUBE user name that has all the rights.

## Switch Port Required

The system displays if the Switch port is required. If 'Y' is selected, then SWIG can communicate with Switch Port Number, if 'N' is selected, then SWIG cannot communicate with Switch Port Number. You can modify this, if required.

#### Switch Port Number

The system displays the Switch Server Port Number to which our application will send Sign On/Sign Off Message; however you can modify this, if required.

## Switch IP Address

The system displays the Switch Server IP Address to which our application will send Sign On/Sign Off Message; however you can modify this, if required.



## Switch Wait Time

The system displays the time period the application will wait for the response from the switch for Sign On/Sign Off message. You can modify this, if required.

Cracle FLEXCUBE Universal Installer

Cracle Banking Installer

Scheduler Details

This screen requires standalone scheduler urls

Head Office Branch Name
Head Office
Branch Name
Exit Log
Back Next

24. This screen provides option to enter the office branch names.



Oracle Banking Installer         Switch Integration         Current Screen provides the switch Gateway EJB properties.         No.       Name       Value         1       Initial Pool Size       5	
Current Screen provides the switch Gateway EJB properties.           No.         Name         Value	
No. Name Value	
1 Initial Pool Size 5	
2 Maximum Pool Size 50	
3 Minimum Pool Size 5	
Exit Log Bac	k Next

26. Specify the following details.

## **Initial Pool Size**

The system displays the number of required connections as given by the parameter. The connections are created when it is initialized. This reduces the waiting time.

## Maximum Pool Size

The system displays the maximum number of connections that can be used.

## Minimum Pool Size

This parameter indicates the minimum number of connections to be used. If the total count of the number of available connections and the number of connections in use is less than the minimum pool size specified here, then the connection is returned to the pool.

27. Specify the JDBC details of the scheduler.



🛓 (	Oracle FLEXCUBE Universal I	nstaller				
	Oracle Banking	Installer				NSTALLER
	Scheduler Details This screen requires stand:	alone scheduler urls				
	Entity	JDBC URL	User Name	Password	]	
	Entity	jdbc:oracle:thin:@//10.10.10.10.10:15				
	Exit Log			(	Back	Next



Oracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Switch Integration	
Current screen displays the status of Switch Interface for Gateway Setup	
Generate Property File	
Exit Log	Back Home

29. Click 'Generate Property File' to start building the process.





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