Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 14.6.0.0.0 Part No. F56608-01 [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.

Soracle FLEXCUBE Universal Inst	taller				
Oracle Banking I	nstaller			STALLER	
Welcome To Oracle Universal I	Banking Installer				
Prerequisites					
 Oracle Database should be Installed. JDK should be Installed. 					
Please specify the JDK and Ora	icle Home path.				
JDK Path			Browse		
Oracle Home Path			Browse		
Please select any one of the be	elow options:				
Provide Pro	roperty File creation				
O Uti	tilities				
Exit Log			Back	Next	

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



Source FLEXCUBE Universal Installer 12.5.0.0.0 – 🗌 🗙								
Oracle Banking Insta	Oracle Banking Installer							
Select one of the Components								
Load Existing Property File		Browse						
◯ INFRA ◯ Scheduler ◯ G	Switch Interface Installation							
Select Oracle Product Processors								
Oracle FLEXCUBE Universal Bank	ıg							
Oracle FLEXCUBE Enterprise Limi	s and Collateral Management (CO-DEPLOY)							
Oracle Banking Payments								
Oracle Banking Corporate Lendin	Open Development Tool							
Oracle Banking Treasury	Oracle FLEXCUBE Universal Banking for JAPAN							
Oracle Banking Trade Finance								
Select Plugins to be Installed								
Host Address 10.10.10.10 101	Origination Scheduler Standalone							
Reports 10.10.10.10	SIANET Adapter							
DMS 10.10.10.10 101	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	A	
Password	•••••		
Service Name	testdb	=	
IP Address	10.10.10	10.10.10.10 1521	
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 FLEXCUB	E Universal Insta	ller 12.5.0.0.0			- 🗆 X
Oracle Ba	anking In	staller		_	NSTALLER
Valid Patch List					
No Version	Туре	Select			
1 14.5.0.0.0	CONSOLE	v ′			
Exit	Log			Back	Next

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



🕌 Oracle FLEXCUBE Universal Ir	nstaller 12.5.0.0.0		- 🗆 X					
Oracle Banking	Installer							
Switch Integration								
Choose Operating System.								
Operating System	inux 🗸 🗸							
Mac Key 1	234567890							
Symmetric Key o	raclefinancials							
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 depl	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.



٤	🗿 Oracle FLEXCUBE Universal Installer									
	Oracle Banking Installer									
	SWIG Process This screen lists the JARS that are required for compilation									
	No.	Name	Location	Available						
	1	1 ucp.jar	/SwitchGateway/lib	No						
	2	2 ojdbc6.jar	/SwitchGateway/lib	No	=					
	3	commons-codec-1.10.jar	/SwitchGateway/lib	Yes	-					
	Exi	t Log				Back Next				



4	Oracle FLEXCUBE Universal Installer							
	Oracle Banking Installer							
Switch Integration Current Screen provides the switch common properties								
L	No.	. Name	Value					
1	1	SWIG Debug	Ν		1			
L	2	Message Debug	N	=				
L	2	Message logger log file path	D:\SwitchDbg					
L	4	Archive Folder path	D:\SwitchDbgBACKUp	•				
L								
L								
L								
L								
L								
L								
L								
L								
L								
L								
L								
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.

S.No.	Screen provides the sw Channel	Port	Channel Type	Include	
1	CHANNEL1	2100	ATM		
2	CHANNEL2	2102	ATM		
3 4	CHANNEL3 CHANNEL4	2104 2108	ATM		
4 5		2108	ATM		
5 6	CHANNEL5 CHANNEL6	2110	ATM		
7	CHANNEL7	2112	ATM		
8	CHANNEL8	2114	ATM		
9	CHANNEL9	2118	ATM		
10	CHANNEL10	2120	ATM		
Internal	Request Acceptor Sock	ket Port 🧕	119		

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.

🛓 Or	Oracle FLEXCUBE Universal Installer						
	Drac	le Banking Installer				RACLE STALLER	
		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				
	Exi	t Log			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



Oracle FLEXCUBE Universal Installer					
	0	racle Banking Ins	taller		
		ch Integration ent Screen provides the switch	properties		
	No.	Name	Value		
1		Username	FLEXSWITCH	_	
2		Switch Port Required	Y		
3		Switch Port Number	1010	=	
4		Switch IP Address	10.10.10		
5		Switch Wait Time	10000	•	
		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.

Oracle FLEXCUBE Universal Installer

 Oracle Banking Installer
 ORACLE INSTALLER

 Scheduler Details
 This screen requires standalone scheduler urts

 Name
 Head Office Branch Name

 Head Office
 Head Office Branch Name

 Exit
 Log

 Back
 Next

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



🙆 Oracle FLEXCUBE Universal Installer			
0	racle Banking In	staller	
	tch Integration		
Curr	rent Screen provides the swit	ch Gateway EJB properties.	
No.	Name	Value	
1	Initial Pool Size	5	
_	Maximum Pool Size	50	
3	Minimum Pool Size	5	
_			
	Exit Log		Back 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 Installer						
	Oracle Banking Installer					NSTALLER
	Scheduler Details This screen requires standalone scheduler urls					
	Entity	JDBC URL	User Name	Password		
	Entity	jdbc:oracle:thin:@//10.10.10.10:15				
ľ.						
L						
	Exit Log				Back	Next



S 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.





Switch Interface Installation [May] [2022] Version 14.6.0.0.0

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