Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 12.4.0.0.0 [May] [2017]



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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 Banking Installer. The following screen is displayed.

S Oracle FLEXCUBE Universal Installer 12.4.0.0.0	
Oracle FLEXCUBE Universal Banking	ORACLE
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.	
<ul> <li>Universal Banking Infra</li> <li>Open Development Tool</li> <li>Gateway</li> <li>Scheduler</li> </ul>	
<ul> <li>Switch Interface Installation</li> <li>Utilities</li> </ul>	
Log Back	Next Exit

- 2. Select 'Switch Interface Installation'.
- 3. Click 'Next'. The following screen is displayed.



Solution State FLEXCUBE Universal Inst	taller 12.4.0.0.0	X			
Oracle FLEXCUBE Ur	Oracle FLEXCUBE Universal Banking				
Installation Type FC Home =xec/FCUBS_	12.4.0.0.0_asOf03Apr/Console_EXEC/				
Provide schema details	*				
Name	Value				
Username	FCUBS121				
Password	•••••				
Service Name	FC1202WI	=			
IP Address	10.184.149.177				
Port	1521				
TNS Connect Descriptor	FC1202WI	•			
Test Connection					
Log	Back	Next Exit			

- 4. Enter FC Home and schema details. Also do Test Connection to check Schema details are correct.
- 5. Based on the FC HOME chosen, the valid list of deployable units are listed as shown in the next screen:

4	Oracle F	LEXCUBE	Universal Insta	ller 12.4.0.0.0	A		
	Oracle	e FLEX	CUBE Uni	versal Banking		OR/	ACLE.
$\left[ \right]$	Valid Pa	atch List					
	No N	Version	Туре	Select			
	1 12.4	1 12.4.0.0.0 CONSOLE					
	Log				Back	Next	Exit

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



Gracle FLEXCUBE Univer	sal Installer 12.4.0.0.0		
Oracle FLEXCUB	E Universal Banking		ORACLE
Switch Integration			
Choose Operating System	em.		
Operating System	Linux		
Mac Key	1234567890		
Symmetric Key	oraclefinancialsolutions		
Log		Back	Next Exit

6. 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.

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



Solution Content of the second	er 12.4.0.0.0					
Oracle FLEXCUBE Univ	Oracle FLEXCUBE Universal Banking					
Switch Integration Specify destination and deploym	ent path.					
OFTW Enabled						
Destination Directory	D:\DESTTEMPDIR					
Deployment Path	/DESTTEMPDIR					
Deployed area Java Home	/DESTTEMPDIR/jdk					
Log	Back	Next Exit				

8. Specify the following details:

#### **OFTW Enabled**

Specify whether OFTW inclusion is required or not.

Note : OFTW – Oracle Flexcube Testing Workbench

#### **Destination Directory**

Specify the destination directory. You can use the directory button to browse to the location. For example, D:\Testing\source\dest.

#### **Deployment Path**

Specify the deployment Path . You can use the directory button to browse to the location. For example, D:\Testing\source\deploy.

#### **Deployed area Java Home**

Specify the deployed area java home. You can use the directory button to browse to the location. For example, D:\Testing\jdk.

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



Source FLEXCUBE Universal Installer 12.4.0.0.0	
Oracle FLEXCUBE Universal Banking	ORACLE
Switch Integration The screen copies the Switch integration related files from source to destin	nation.
Сору	
Log Back	Next Exit

- 10. Click 'Copy' to copy the switch integration related files from the source to destination.
- 11. 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.

4	Soracle FLEXCUBE Universal Installer 12.4.0.0.0							
	Oracle FLEXCUBE Universal Banking							
	SWIG Pro This scree	<b>cess</b> en lists the JARS that are requ	ired for compilation					
	No.	Name	Location	Available				
	1	ucp.jar	/SwitchGateway/lib	No				
	2	ojdbc6.jar	/SwitchGateway/lib	No				
	3	commons-codec-1.10.jar	/SwitchGateway/lib	No				
L								
L								
L					·			
	Log		Back	Next	Exit			
	Log		Duck	in one	LAN			



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

	ch Integration ent Screen provides the switch	n common properties	
No.	Name	Value	
1	SWIG Debug	N	
2	Message Debug	N	
2	Message logger log file path	/SwitchDbg	
4	Archive Folder path	/SwitchDbgBACKUp	
5	Debug Available Days	2	

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.

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

🛓 Oracle FLE	Oracle FLEXCUBE Universal Installer 12.4.0.0.0							
Oracle	Oracle FLEXCUBE Universal Banking ORACLE							
	Switch Integration Current Screen provides the switch socket properties							
S.No.	Channel	Port	Channel Type	Inc	clude			
1	CHANNEL1	2100	ATM 👻			<b>▲</b>		
2	CHANNEL2	2102	ATM					
3	CHANNEL3	2104	POS					
4	CHANNEL4	2108	IVR			=		
5	CHANNEL5	2110	ALL					
6	CHANNEL6	2112	ATM					
7	CHANNEL7	2114	ATM					
8		2116	АТМ			•		
Internal	Internal Request Acceptor Socket Port 9119							
Log			Bac	*k	Next	Exit		

14. 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.

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

🛃 Oracle FL	EXCUBE Universal Installer 12.4.0.0.0		- 0 ×					
Oracle	Oracle FLEXCUBE Universal Banking							
	Integration Screen provides the switch message properties							
S.No.	Name	Value						
1	Message Reading Type	ASCII	1					
2	ISO Version	1987	]					
3	Bitmap Binary	N						
		•						
Log	Back	Next	Exit					

16. 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.

# **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'.

17. There is an option to provide Multi Entity names.



🛃 Oracle FLEXCU	IBE Universal Ir	nstaller 12.4.0.0.0		
Oracle FL	EXCUBE U	Iniversal Bankir	ng	ORACLE
Multi Entity Nar Provide Entity N				
MultiEntity	Required		+	-
S.No		Entity Na	ame	
0.110				
L				
Log			Back	Next Exit

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

Oracle	e FLEXCUBE Universal Insta	ller 12.4.0.0.0	_		x
Ora	cle FLEXCUBE Uni	versal Banking		ORACL	€.
	ch Integration ent Screen provides the sw	vitch 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	•		
Log			Back	Next Exit	

19. 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.

# 20. This screen provides option to enter the office branch names.

Source FLEXCUBE Universal Installer 12.4.0.0.0		X				
Oracle FLEXCUBE Universal Banking		ORACLE				
Scheduler Details						
This screen requires standalone scheduler urls						
Name	Head Office Branch Name					
Head Office						
	•					
Log	Back	Next Exit				

21. Click 'Next'.

The following screen is displayed.



Oracle FLEXCUBE Universal Installer 12.4.0.0.0								
Oracle FLEXCUBE Universal Banking								
	Switch Integration Current Screen provides the switch Gateway EJB properties.							
No.	Name	Value						
1	Initial Pool Size	5						
2	Maximum Pool Size	50						
3	Minimum Pool Size	5						

22. 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.

23. Specify the JDBC details of the scheduler.



Solution of the second	ersal Installer 12.4.0.0.0			x			
Oracle FLEXCUBE Universal Banking			ORACL	Ξ.			
Scheduler Details							
This screen requires standalone scheduler urls							
Entity	JDBC URL	User Name	Password				
Entity	jdbc:oracle:thin:@whf00alo.in.orac	FC124R1	•••••				
Log		Back	Next Exit				

24. Click 'Next'.

The following screen is displayed.

X
ORACLE
Next Exit

- 25. Click 'Compile' to start building the process.
- 26. Upon successful Build, Pop up showing run.bat/run.sh file to run will be shown.





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