Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 14.4.0.2.0 [November] [2020]



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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			
<ul> <li>Oracle Database sho</li> <li>JDK should be Instal</li> </ul>	ould be Installed. lled.		
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	operty File creation		
O Uti	ilities		
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.



Gracle FLEXCUBE Universal Insta	ller			X					
Oracle Banking Ir	nstaller								
Select one of the Components	elect one of the Components								
Load Existing Property File				Browse					
O INFRA O Scheduler	Gateway Switch	h Interface Insta	lation						
Select Oracle Product Processors	3								
✓ Oracle FLEXCUBE Universal	Banking								
Oracle FLEXCUBE Enterprise	e Limits and Collateral Manag	gement	-						
Oracle Banking Payments									
Oracle Banking Corporate Le	ending 🗌 Open Develo	opment Tool							
Select Plugins to be Installed									
Branch	Load Existing Branch F	Property File		Browse					
Host Address 10.10.10.10	1010 BPEL [	Scheduler	Standalone <b>•</b>						
<b>Reports</b> 10.10.10.10	1010 OFTW [	FGL	ELCM Adapter required						
DMS 10.10.10.10	1010 FIS-HOST [	Insulation							
Exit Log			Back	Next					

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



🔬 Oracle FLEXCUBE Universal Installer						
Oracle Banking Install	er					
Installation Type Source Path Provide schema details		Browse				
Name	Value					
Username	installer	<b>_</b>				
Password	•••••					
Service Name	testdb	=				
IP Address	10.10.10.10					
Port	1521					
TNS Connect Descriptor	testdb	•				
Exit Log			Back			

- 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:



4	Oracle	FLEXCUBE	Universal Insta	iller					
	Ora	acle Ba	anking li	nstaller					
	Valid	Patch List							
	No	Version	Туре		Select				
	11	2.5.0.0.0	CONSOLE		<b>v</b>				
L									
		Exit	Log				Back	Nex	xt

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



🔮 Oracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Switch Integration	
Choose Operating System.	
Operating System	
Mac Key 1234567890	
Symmetric Key oraclefinancialsolutions	
Exit	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 In	S Oracle FLEXCUBE Universal Installer					
Oracle Banking	Installer					
Switch Integration Specify destination and depl	oyment path.					
OFTW Enabled						
Destination Directory	D:\DESTTEMPDIR	Browse	1			
Deployment Path	/DESTTEMPDIR	Browse				
Deployed area Java Home	/DESTTEMPDIR/jdk	Browse				
Exit Log	]		Back Next			

11. 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. 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

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

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.



4	🗿 Oracle FLEXCUBE Universal Installer							
	Oracle Banking Installer							
9 T	WIG 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								
L								
L								
ι.								
ι.								
ι.								
ι.								
ι.								
ι.								
ι.								
ι.								
ι.								
ι.								
	Evi					Back	Next	
	EXI	LOg				Back	INEXT	



Oracle FLEXCUBE Universal Installer								
Oracle Banking Installer								
Switch Integration Current Screen provides the switch common properties								
No.	Name	Value						
1	SWIG Debug	Ν	<u> </u>	1				
2	Message Debug	Ν	=					
2	Message logger log file path	D:\SwitchDbg						
4	Archive Folder path	D:\SwitchDbgBACKUp	-					
	Evil Las			Deale Neut				
	Log			Back				
	No.	Aracle FLEXCUBE Universal Installer Coracle Banking Installer Correct Integration Current Screen provides the switch Correct Screen provides the switch Corr	No.       Name       Value         1       SWIG Debug       N       2         2       Message Debug       N       2         4       Archive Folder path       D:SwitchDbgBACKUp       2	Exit       Log				

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.



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

Current 6 No	Channel	Dort	Channel Tune	Include	
5.NO.	Channel	Port	Channel Type	include	
1	CHANNEL1	2100	AIM		
2	CHANNEL2	2102	AIM		
3	CHANNEL3	2104	ATM		
4 E	CHANNEL4	2108	ATM		
6		2110			
7	CHANNEL 7	2112			
8		2116	ATM		
9	CHANNEL 9	2118	ATM		
10	CHANNEL 10	2120	ATM		
Internal	Request Acceptor Sock	ket Port 9	119		

17. 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.

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

🥌 O	S Oracle FLEXCUBE Universal Installer					
(	Orac	le Banking Installer				
	Switch	Integration				
	Current	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		E	Back Next	

19. 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

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

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

Oracle 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						
	Oracle Banking Installer					
S\ Ci	Switch Integration Current Screen provides the switch properties					
1	۱o.	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	•		
		Exit Log		F	Back Next	

22. 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 unis

 Name
 Head Office Branch Name

 Head Office
 Head Office Branch Name

 Exit
 Log

 Back
 Next

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



🛓 Ora	Oracle FLEXCUBE Universal Installer					
0	Oracle Banking Installer					
Sw Cu	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				
	Exit		Back Next			
	Log		Daok			

25. 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.

26. Specify the JDBC details of the scheduler.



🛃 Oracle FLEXCUBE Universal Installer							
	Oracle Banking Installer				<u> </u>	NSTALLER	
1	Scheduler Details This screen requires standalone scheduler urls						
	Entity	JDBC URL	User Name	Password	]		
	Entity	jdbc:oracle:thin:@//10.10.10.10:15					
	Exit Log			(	Back	Next	



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

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





Switch Interface Installation [November] [2020] Version 14.4.0.2.0

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