Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 14.1.0.0.0 [May] [2018]



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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.

🙆 Oracle FLEXCUBE Universal Inst	taller	
Oracle Banking I	nstaller	
Welcome To Oracle Universal E	Banking Installer	
Prerequisites		
<ul> <li>Oracle Database sho</li> <li>JDK should be instal</li> </ul>		
Please specify the JDK and Orac	cle Home path.	
JDK Path		3rowse
Oracle Home Path		Browse
Please select any one of the be	How options:	
Pro	operty File creation	
O Uti	ilities	
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.

Soracle FLEXCUBE Universal Insta	iller		X
Oracle Banking Ir	nstaller		ORACLE INSTALLER
Select one of the Components			
Load Existing Property File			Browse
○ INFRA ○ Scheduler	Gateway Switch Interface I	nstallation	
Select Oracle Product Processors	S		
✓ Oracle FLEXCUBE Universal	Banking		
Oracle FLEXCUBE Enterprise	e Limits and Collateral Management	-	
Oracle Banking Payments			
Oracle Banking Corporate L	ending 📃 Open Development Tool		
Select Plugins to be Installed			
Branch	Load Existing Branch Property File		Browse
Host Address 10.10.10.10	1010 BPEL Schedule	er Standalone 🔻	
<b>Reports</b> 10.10.10.10	1010 OFTW FGL	ELCM Adapter required	
DMS 10.10.10.10	1010 FIS-HOST Insulation	n	
Exit Log		Back	Next

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

Source FLEXCUBE Universal Installer			
Oracle Banking Instal	ler		
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	-	
Test Connection			
Exit			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:

4	Ora	acle FLEXCUBE	Universal Insta	iller				
	С	)racle Ba	anking li	nstaller				NSTALLER
	Va	lid Patch List						
L	Ν	o Version	Туре		Select			
		1 12.5.0.0.0	CONSOLE		2			
L								
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L								
		Exit	Log				Back	Next

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 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 In	staller		
Oracle Banking	Installer		
Switch Integration Specify destination and depl	oyment path.		
OFTW Enabled			
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:

# **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

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

🛓 C	🗟 Oracle FLEXCUBE Universal Installer						
	Orac	le Banking Instal	er				ISTALLER
	VIG Proc	c <b>ess</b> n lists the JARS that are requir	ad for compilation				
	No.	Name	Location	Available			
ιr		1 ucp.jar	/SwitchGateway/lib	No			
ΙĒ	1	2 ojdbc6.jar	/SwitchGateway/lib	No			
l E		3 commons-codec-1.10.jar	/SwitchGateway/lib	Yes	-		
L							
L							
L							
	Exi	t Log				Back	Next

4	Oracle FLEXCUBE Universal Installer				
Γ	Or	acle Banking Inst	aller		
		i <b>ch Integration</b> rent Screen provides the switch	common properties		
L	No	. Name	Value		
	1	SWIG Debug	N		
L	2	Message Debug	N		
L	2	Message logger log file path	D:\SwitchDbg		
L	4	Archive Folder path	D:\SwitchDbgBACKUp		
L					
L					
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	_				
		Exit Log		Back Next	

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.

S.No.	Screen provides the sw Channel	Port	Channel Type	Include	
1	CHANNEL1	2100	ATM		
2	CHANNEL2	2102	ATM		
3	CHANNEL3	2102	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 Socket Port					

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.

실 Oracle	FLEXCUBE Universal Installer		<b>X</b>
Ora	cle Banking Installer		ORACLE INSTALLER
	ch Integration		
Curre	nt Screen provides the switch message properties		
S.N	o. Name	Value	
1	Message Reading Type	ASCII	
2	ISO Version	1987	
3	Bitmap Binary	N	
4	Number of Maximum Message threads	8	
E	ixit Log		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.

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

Oracle FLEXCUBE Universal Installer					
(	Oracle Banking I	nstaller		ORACLE INSTALLER	
	vitch Integration			IN OTALLER	
	rrent Screen provides the swi	tch properties			
N	o. 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			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.

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

Source FLEXCUBE Universal Installer		
Oracle Banking Installer		
Scheduler Details		
This screen requires standalone scheduler urls		
Name Head Office	Head Office Branch Name	
Head Onice		
Exit		Back

Oracle FLEXCUBE Universal Installer				
0	racle Banking In	staller		
	ritch Integration	itch Gateway EJB properties.		
No	o. Name	Value		
1	Initial Pool Size	5		
2	Maximum Pool Size	50		
3	Minimum Pool Size	5		
	Exit Log		Back Next	

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.

4	Oracle FLEXCUBE Universal	Installer			
	Oracle Banking	g Installer			
	Scheduler Details This screen requires stand	talone scheduler urls			
	Entity	JDBC URL	User Name	Password	1
	Entity	jdbc:oracle:thin:@//10.10.10.10.15			
	Exit				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

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



Switch Interface Installation [May] [2018] Version 14.1.0.0.0

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