Switch Interface Installation Oracle FLEXCUBE Universal Banking Release 14.4.0.4.0 Part No. F42209-01 [May] [2021]



Table of Contents

1.	SWI	ITCH INTERFACE INSTALLATION	1-1	l
1.	.1	INTRODUCTION	1-1	l
1.	.2	INSTALLING SWITCH INTERFACE	1-1	l



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.

S Oracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Welcome To Oracle Universal Banking Installer	
Prerequisites	
 Oracle Database should be installed. JDK should be installed. 	
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.



Soracle FLEXCUBE Universal Installer	X-							
Oracle Banking Installer								
Select one of the Components								
Load Existing Property File	Browse							
O INFRA O Scheduler O Gateway Switch Interface I	nstallation							
Select Oracle Product Processors	Select Oracle Product Processors							
✓ Oracle FLEXCUBE Universal Banking								
Oracle FLEXCUBE Enterprise Limits and Collateral Management	~							
Oracle Banking Payments								
Oracle Banking Corporate Lending Open Development Tool								
Select Plugins to be Installed								
Branch Load Existing Branch Property File	Browse							
Host Address 10.10.10.10 1010 BPEL Schedule	r <u>Standalone</u> 👻							
Reports 10.10.10 1010 OFTW FGL	ELCM Adapter required							
DMS 10.10.10 1010 FIS-HOST Insulation	1							
Exit	Back Next							

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



Source FLEXCUBE Universal Installer			
Oracle Banking Install	er		
Installation Type Source Path Provide schema details		Browse	
Name	Value		
Username	installer	_	
Password	•••••		
Service Name	testdb	=	
IP Address	10.10.10.10		
Port	1521		
TNS Connect Descriptor	testdb	•	
Test Connection			
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		v				
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 oraclefinancial solutions		
Exit	L	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 Ir	S Oracle FLEXCUBE Universal Installer					
Oracle Banking	Installer					
Switch Integration Specify destination and dep	loyment path.					
OFTW Enabled						
Destination Directory	D:\DESTTEMPDIR	Browse				
Deployment Path	/DESTTEMPDIR	Browse				
Deployed area Java Home	/DESTTEMPDIR/jdk	Browse				
Exit]		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	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 ess 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								
L								
L								
L								
ι.								
L								
ι.								
ι.								
ι.								
ι.								
	Exi	t Log				Back	Next	
	EX					Dack	IVEX	



4	🛓 Oracle FLEXCUBE Universal Installer								
	Oracle Banking Installer								
	Switch Integration Current Screen provides the switch common properties								
L	No.	Name	Value						
	1	SWIG Debug	N	^					
L	2	Message Debug	Ν	=					
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									
L									
		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.



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

	Screen provides the sv						
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 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.

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

🥌 O	Oracle FLEXCUBE Universal Installer					
(Orac	le Banking Installer				
		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.

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



Oracle FLEXCUBE Universal Installer					
	Oracle Banking Installer				
		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
	-				

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

Exit

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.

ſ	🛃 Oracle FLEXCUBE Universal Installer		-	
	Oracle Banking Installer			DRACLE NSTALLER
	Scheduler Details			
	This screen requires standalone scheduler urls			
l	Name	Head Office Branch Name		
l	Head Office		_	
I				
l				
l				
l	I		_	
l				
l				
l				
l				
I				
Ш				

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

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

Log



Back

Next

🙆 Oracle FLEXCUBE Universal Installer			
Oracle Banking Installer			
	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

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	ı 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	Back Home

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





Switch Interface Installati [May] [2021] Version 14.4.0.4.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax: +91 22 6718 3001 https://www.oracle.com/industries/financial-services/index.html

Copyright © [2007], [2021], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.