

Switch Interface Installation  
Oracle FLEXCUBE Universal Banking  
Release 14.7.3.0.0  
Part No. F91985-01  
[February] [2024]



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# 1. Switch Interface Installation

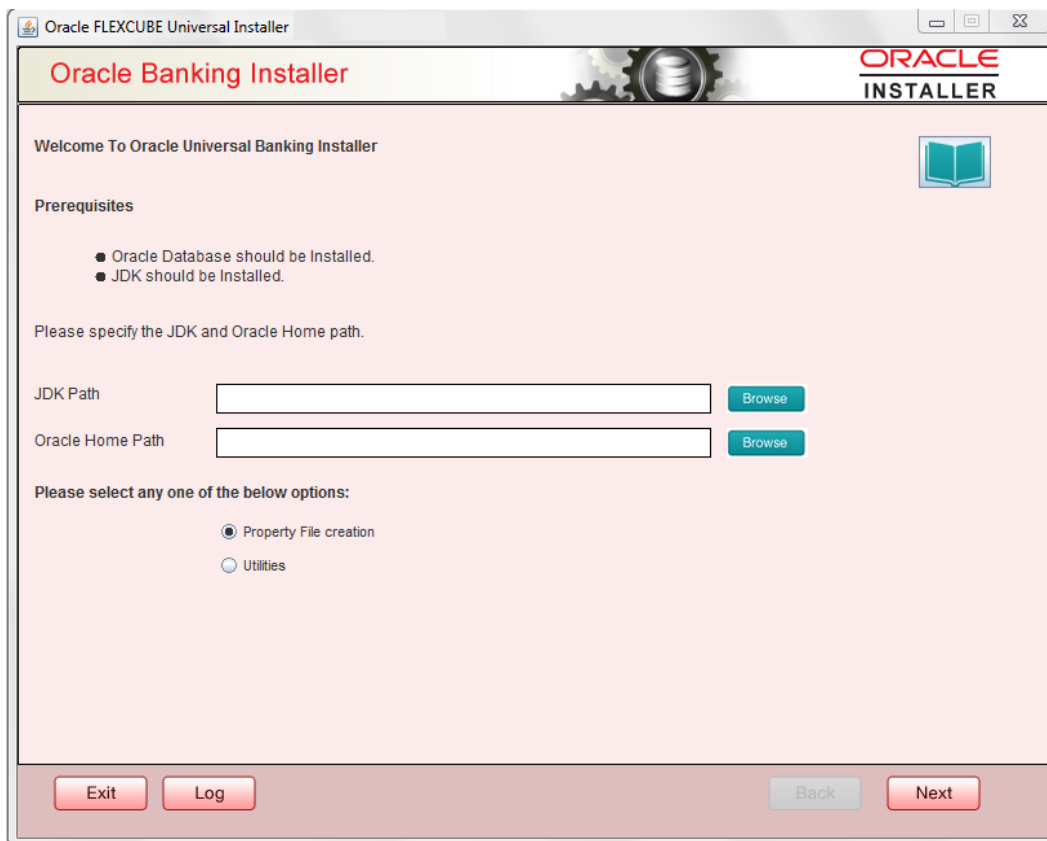
## 1.1 Introduction

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.



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

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

## Oracle Banking Installer

**ORACLE  
INSTALLER**

**Select one of the Components**

Load Existing Property File

☐ INFRA
 ☐ Scheduler
 ☐ Gateway
 ☒ **Switch Interface Installation**

**Select Oracle Product Processors**

☐ Oracle FLEXCUBE Universal Banking  
☐ Oracle FLEXCUBE Enterprise Limits and Collateral Management (CO-DEPLOY)  
☐ Oracle Banking Payments  
☐ Oracle Banking Corporate Lending ☐ Open Development Tool  
☐ Oracle Banking Treasury ☐ Oracle FLEXCUBE Universal Banking for JAPAN  
☐ Oracle Banking Trade Finance

**Select Plugins to be Installed**

**Host Address**  
☐ Origination
 ☐ Scheduler

☐ Reports  
☐ SIANET Adapter

☐ DMS  
☐ Insulation
 ☐ External Adapter required

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

Oracle FLEXCUBE Universal Installer

## Oracle Banking Installer

ORACLE  
INSTALLER

Installation Type

Source Path

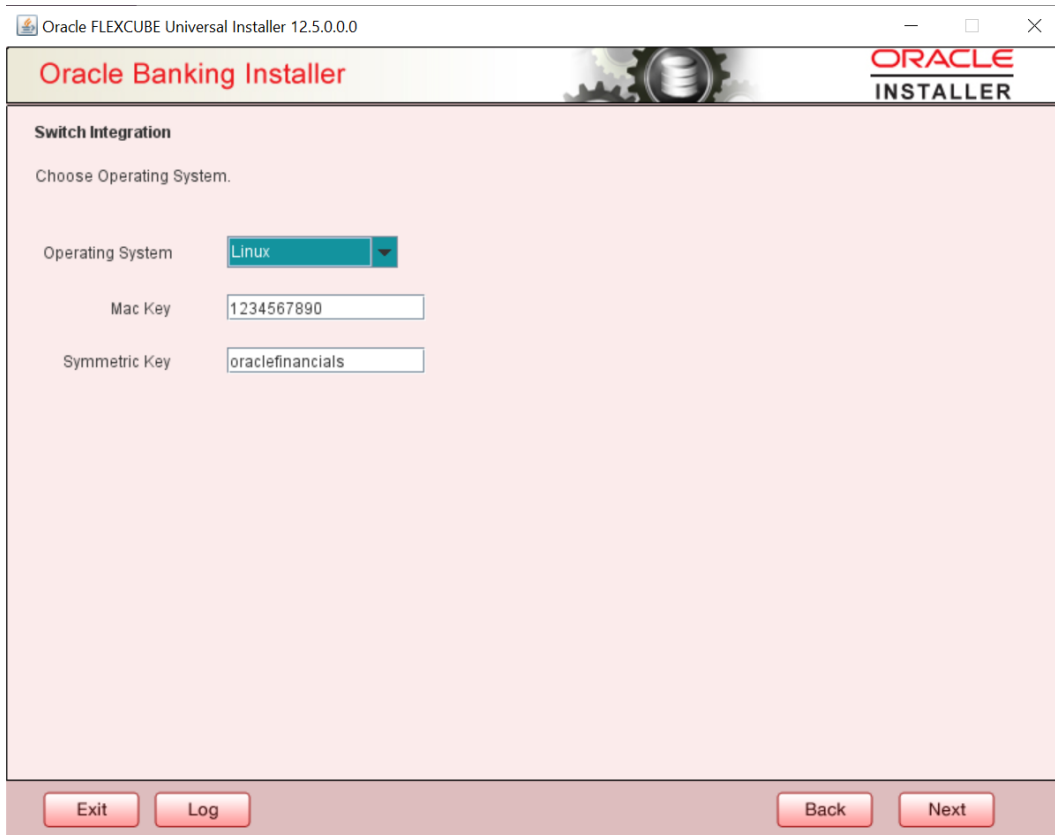
Provide schema details

Name	Value
Username	installer
Password	••••••••
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

- 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.
- Based on the FC HOME chosen, the valid list of deployable units are listed as shown in the next screen:



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



9. Specify the following details:

### **Operating System**

Select the operating system from the adjoining drop-down list.

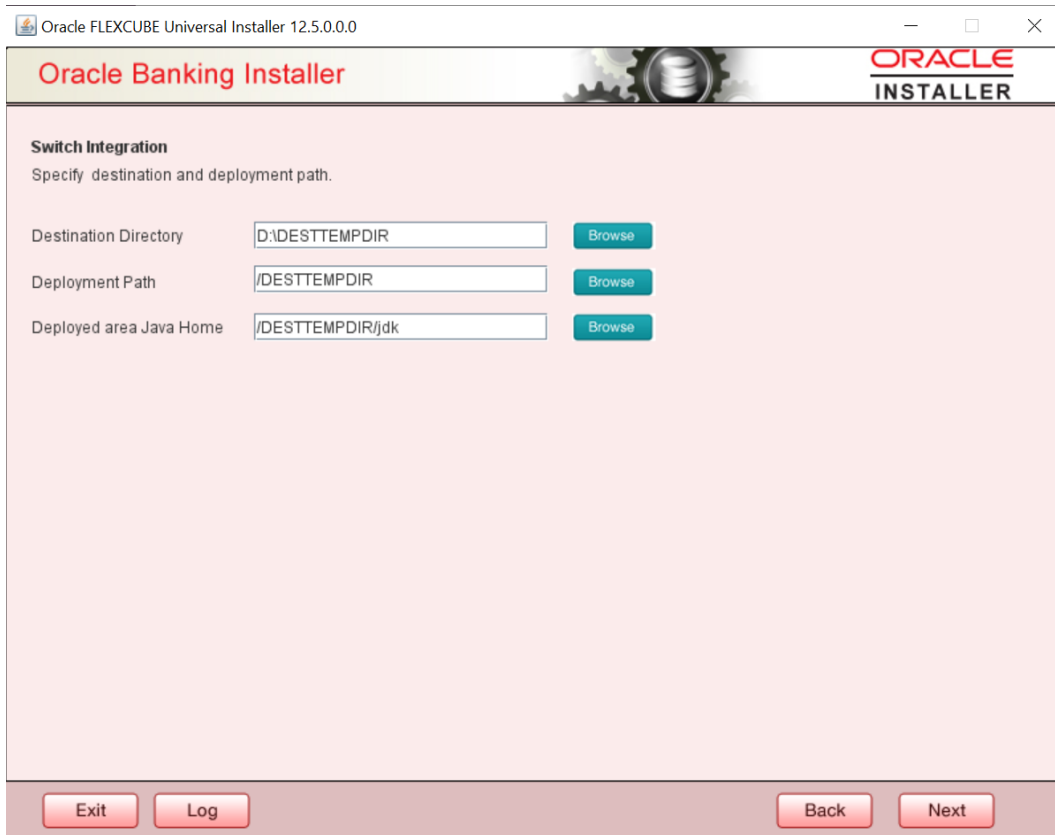
### **Mac Key**

Give Mac key which is used in switch Integration application.

### **Symmetric Key**

Symmetric Key is used to encryption and decryption.

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



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 Area Java Home folders have to manually created on the server and the same paths must be given in the below steps.

### Deployment Path

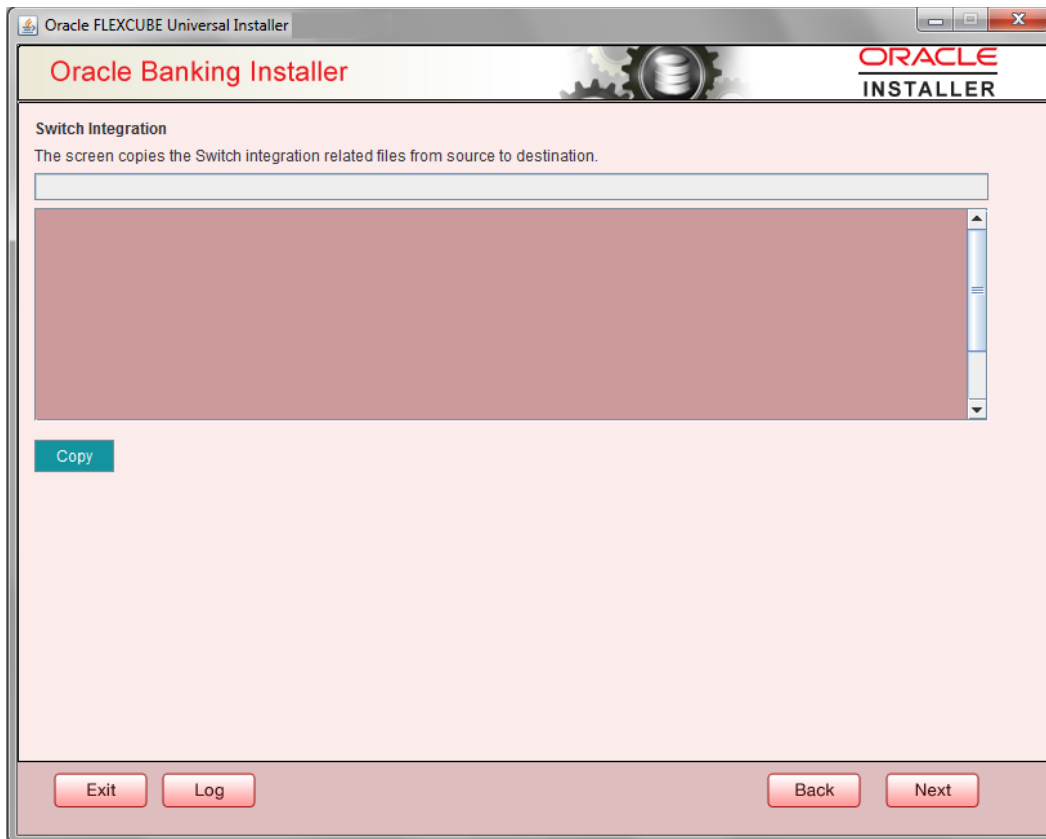
Specify the deployment Path. You can use the directory button to browse to the location. This has to be on the server. Example: /scratch/WORK\_AREA/DEV/FC141INTEST/SWITCH

### 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.





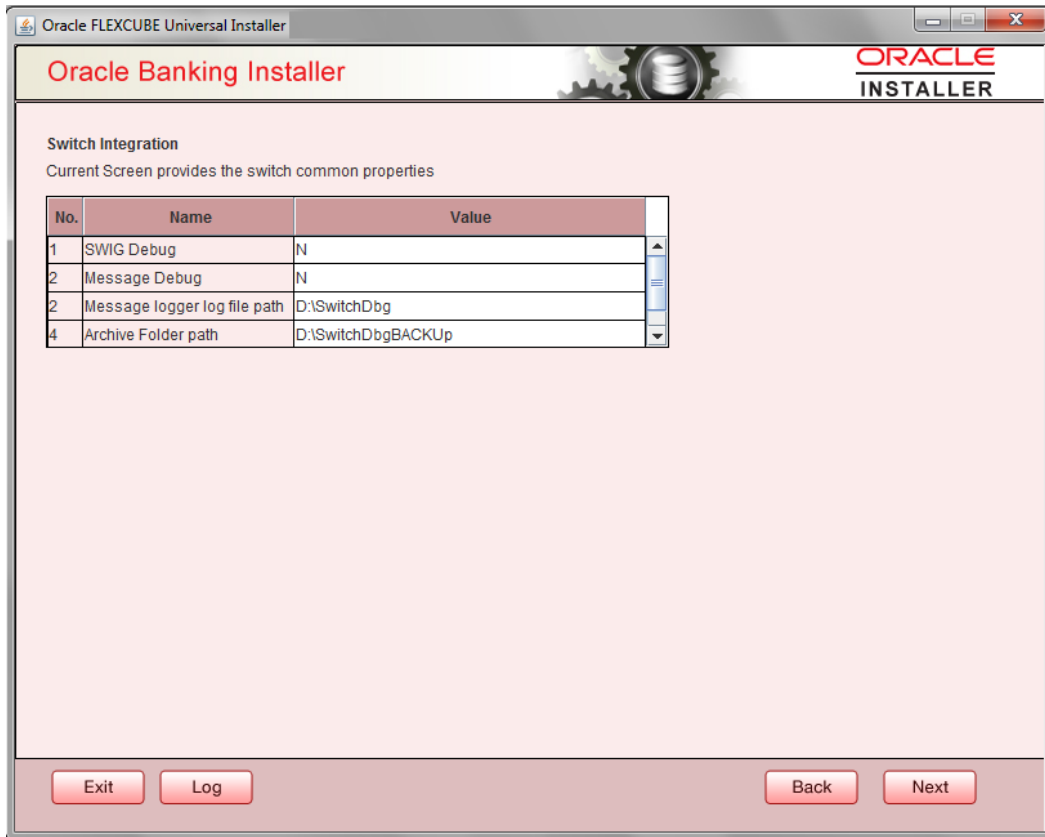
13. Click 'Copy' to copy the switch integration related files from the source to destination.

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.



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



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.	Channel	Port	Channel Type	Include
1	CHANNEL1	2100	ATM	<input type="checkbox"/>
2	CHANNEL2	2102	ATM	<input type="checkbox"/>
3	CHANNEL3	2104	ATM	<input type="checkbox"/>
4	CHANNEL4	2108	ATM	<input type="checkbox"/>
5	CHANNEL5	2110	ATM	<input type="checkbox"/>
6	CHANNEL6	2112	ATM	<input type="checkbox"/>
7	CHANNEL7	2114	ATM	<input type="checkbox"/>
8	CHANNEL8	2116	ATM	<input type="checkbox"/>
9	CHANNEL9	2118	ATM	<input type="checkbox"/>
10	CHANNEL10	2120	ATM	<input type="checkbox"/>

Internal Request Acceptor Socket Port:

Exit Log Back Next

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

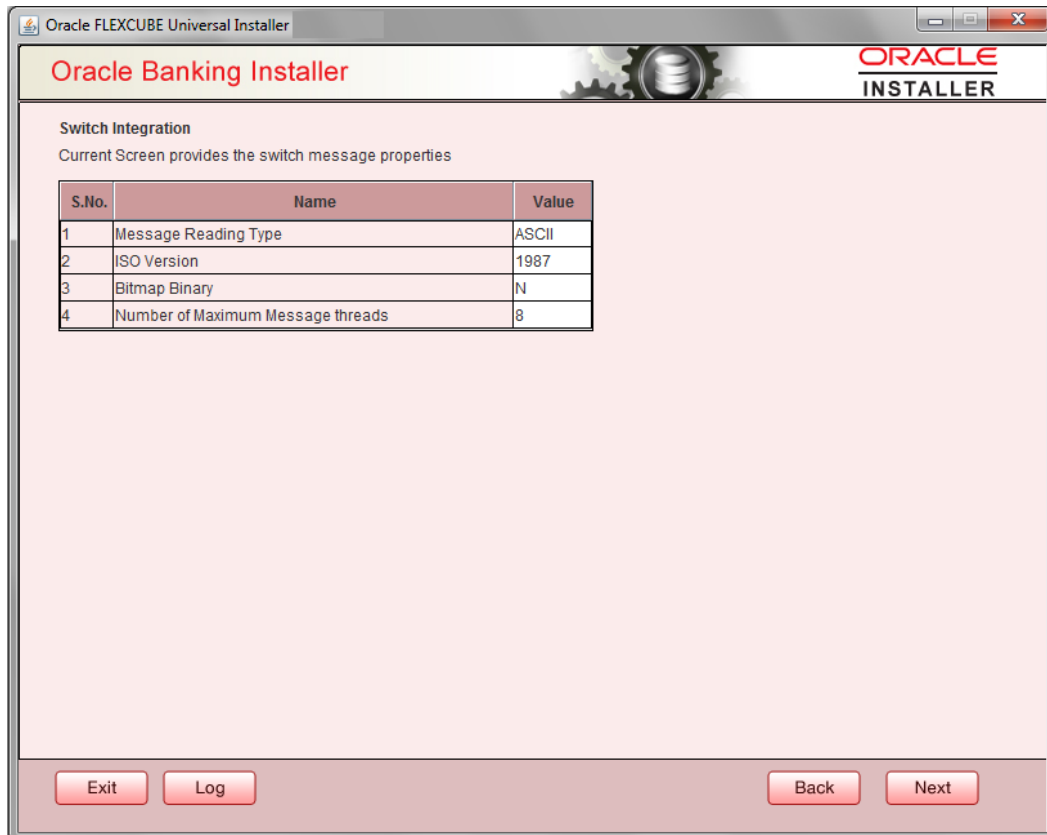
### Include

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.



S.No.	Name	Value
1	Message Reading Type	ASCII
2	ISO Version	1987
3	Bitmap Binary	N
4	Number of Maximum Message threads	8

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.

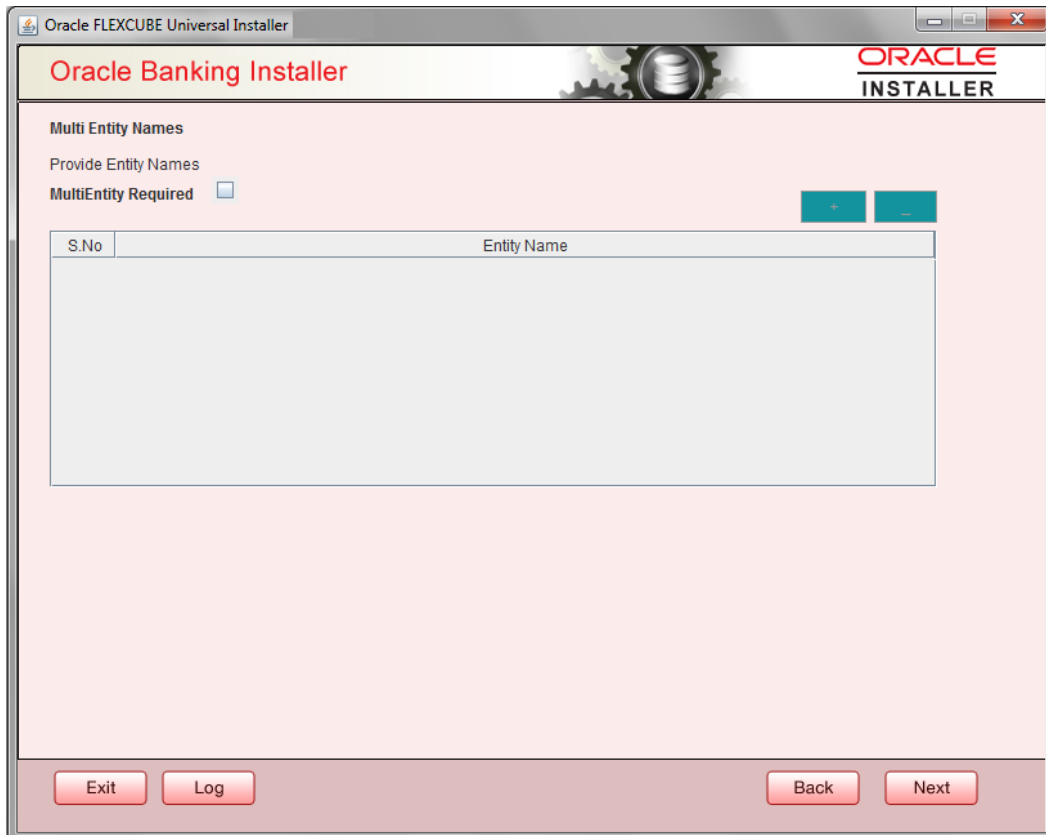
### Bitmap Binary

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.



The screenshot shows the 'Oracle Banking Installer' window. The title bar reads 'Oracle FLEXCUBE Universal Installer'. The main header area contains 'Oracle Banking Installer' on the left and the 'ORACLE INSTALLER' logo on the right. Below the header, the section is titled 'Multi Entity Names'. It includes a label 'Provide Entity Names' and a checkbox labeled 'MultiEntity Required' which is currently unchecked. To the right of the checkbox are two small blue buttons with '+' and '-' symbols. Below this is a table with two columns: 'S.No' and 'Entity Name'. The table body is empty. At the bottom of the window, there are four buttons: 'Exit', 'Log', 'Back', and 'Next'.

S.No	Entity Name
------	-------------

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

**Oracle Banking Installer**

**Switch Integration**

Current 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 Back 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.

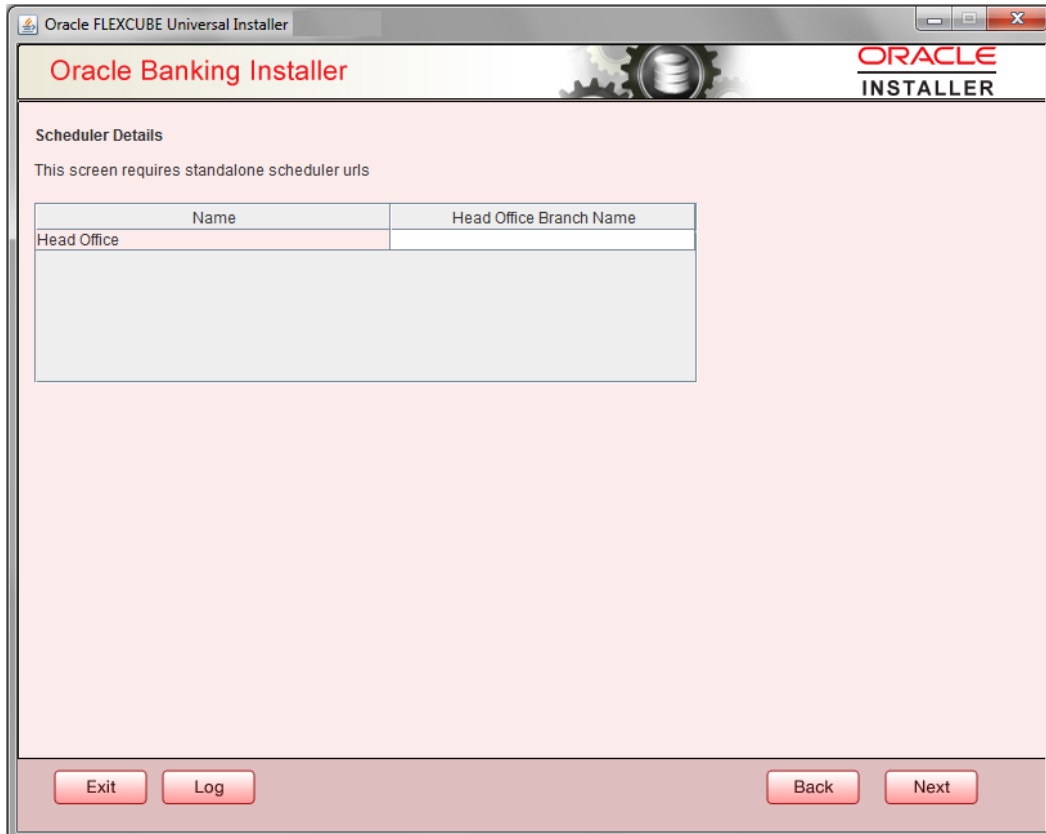
### **Switch IP Address**

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.

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

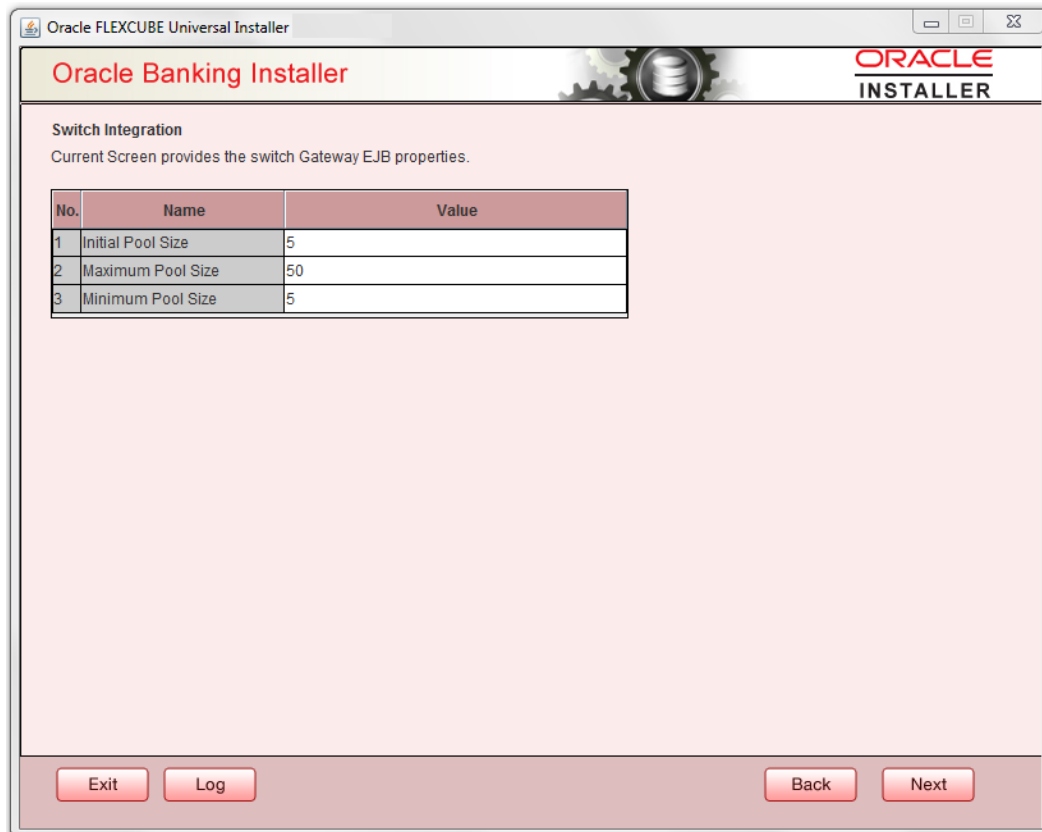


The screenshot shows the 'Oracle Banking Installer' window. The title bar reads 'Oracle FLEXCUBE Universal Installer'. The main header area contains 'Oracle Banking Installer' on the left and the 'ORACLE INSTALLER' logo on the right. Below the header, the section is titled 'Scheduler Details' with a note: 'This screen requires standalone scheduler urls'. A table is present with two columns: 'Name' and 'Head Office Branch Name'. The first row of the table contains the text 'Head Office'. The table has a light gray background and a thin border. At the bottom of the window, there are four buttons: 'Exit', 'Log', 'Back', and 'Next'.

Name	Head Office Branch Name
Head Office	

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





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.

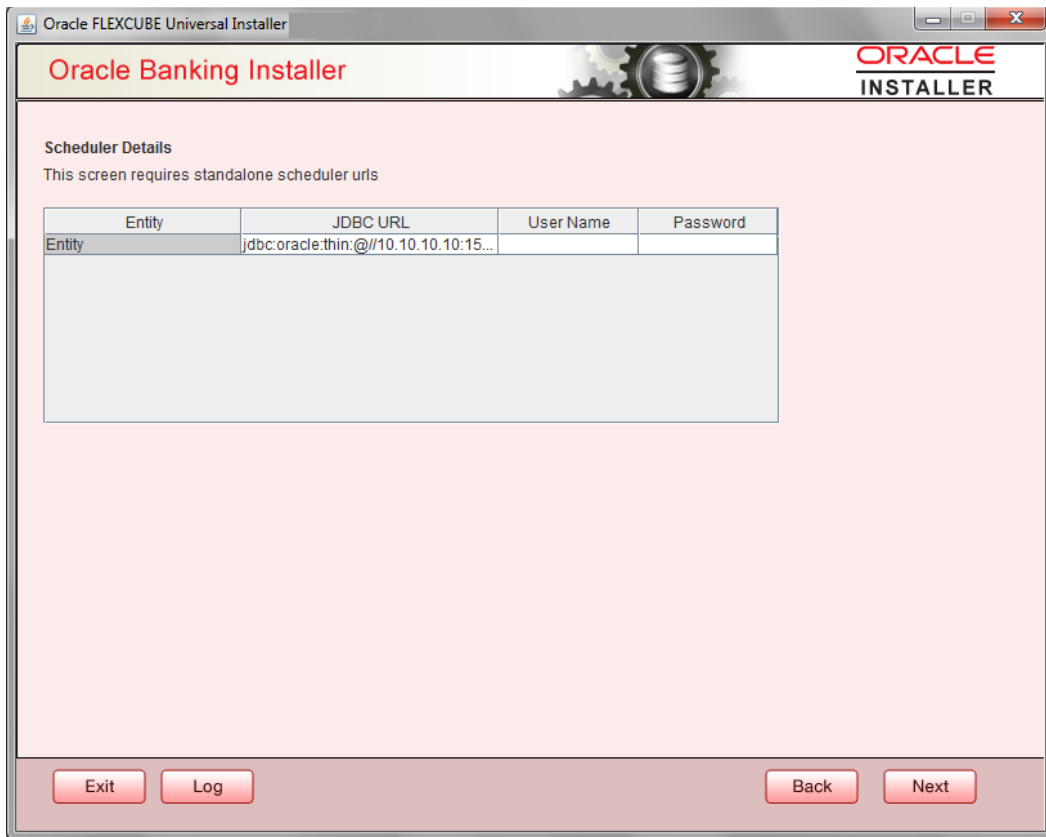
#### **Maximum Pool Size**

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.

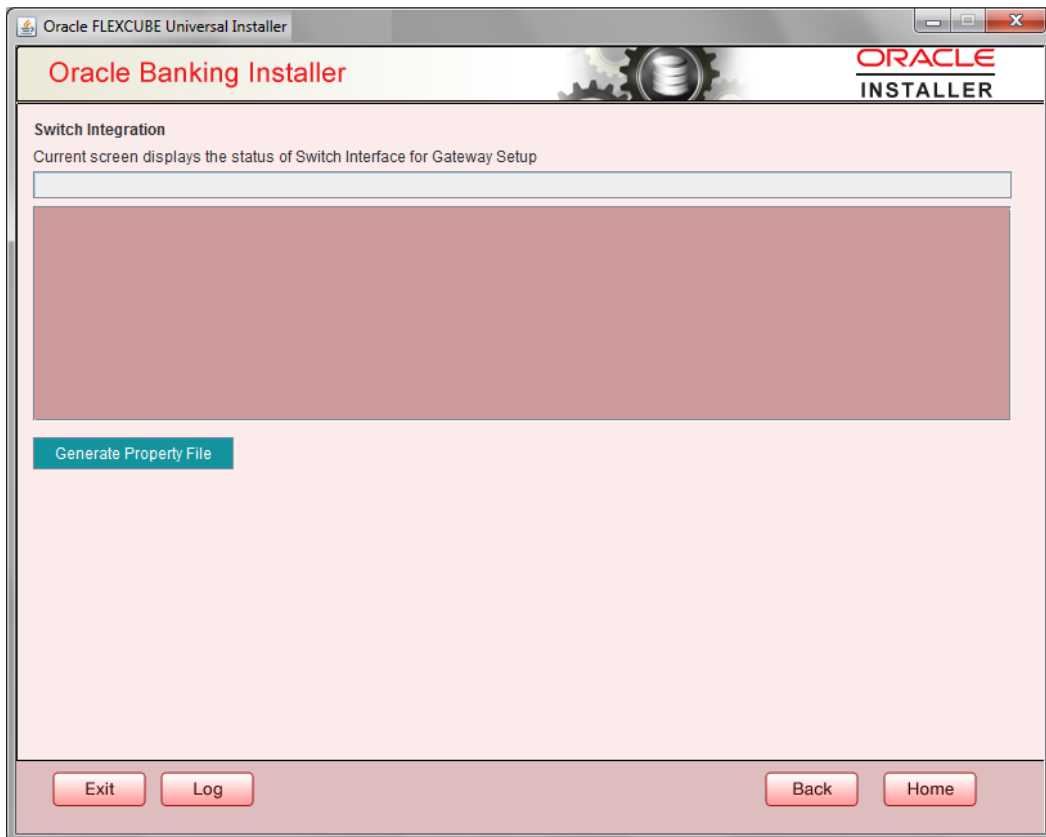
27. Specify the JDBC details of the scheduler.



If the target database is Autonomous Database then **JDBC\_URL** should enter with the following format:

**jdbc:oracle:thin:@<Database Service Connect string>**

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



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



Switch Interface Installation  
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