

Payments Installer Property File Creation
Oracle Banking Payments

Release 14.5.4.0.0

[April 2022]



Table of Contents

1.1	Introduction.....	1
1.2	Creating PropertyFile.....	1
1.2.1	Default Installation.....	1
1.3.3	Setting General Properties.....	13
1.3.5	Setting CSS Style	19
1.3.6	Configuring Scheduler	20
1.3.7	Setting EMS Properties	27
1.3.8	Saving Property File	31

1. Creating Property File for Oracle Banking Payments Installer

1.1 Introduction

This chapter explains the steps to create property file for Oracle Banking Payments Installer Application. Two property files are created. While creating the fcubs.properties file, the environment property file gets generated.

1.2 Creating Property File

To create the property file for Oracle Banking payments, follow the steps given below:

1.2.1 Default Installation

1. Launch Oracle Banking Payments Installer bat file i.e. **FCUBSInstaller.bat** in Windows.

```
C:\windows\system32\cmd.exe
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.

Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
@@@@@JAVAHOME NOT DEFINED@@@@@
Enter JAVA HOME Directory:C:/Program Files/Java/jdk1.8.0_144
JAVA_HOME has been set
Initializing the errorLevel to 0

Checking Java Home.....
Java Home Path has been set sucessfully.

The system cannot find the path specified.
ojdbc0.jar
@@@ORACLE HOME NOT DEFINED@@@
Enter Oracle Home Directory:D:/12Client/app/client/siramakr/product/12.1.0/client_1
Oracle Home set
ojdbc7.jar
Oracle Home set succesfully
clearing the compiled files.....
clearing the jar file.
clearing the compiled classes files.
ojdbc7.jar
Jar to be copied from D:/12Client/app/client/siramakr/product/12.1.0/client_1\jdbc\lib\ojdbc7.jar
Copying jars into the Library...
1 file(s) copied.

Checking logs Folder.....
--Current Folder--
--avast--
this InstallationShipment "SOFT"
Inside Checking APPSERVER HOME.....
appserverhome
```

Need to provide the following details:

JAVA HOME PATH

Provide the JDK home path with the latest version.

ORACLE HOME PATH

Provide the Oracle 12C Client Path.

APPSERVER PATH

Provide the Application Server Path.

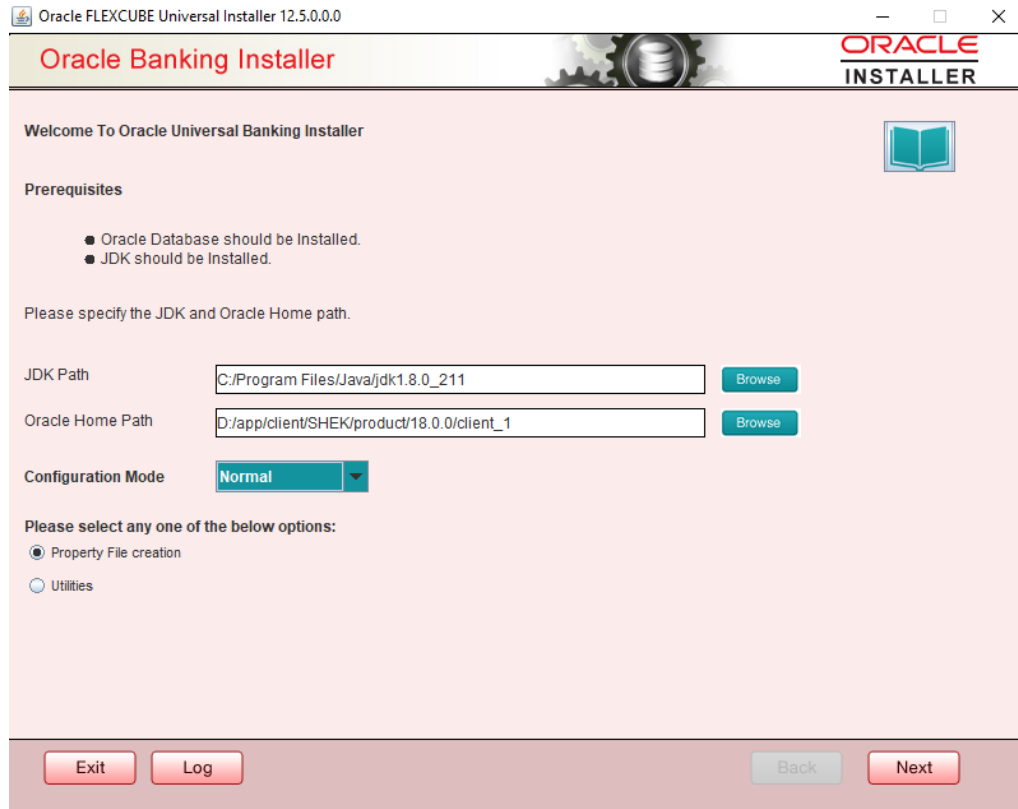
2. Launch Oracle Banking Payments Installer sh file i.e. **FCUBSInstaller.sh** in Linux.

```
JAVA_HOME = /scratch/app/java/jdk1.8.0_111/
APPSERVER_HOME = /scratch/app/Oracle/Middleware/Oracle_Home/wlserver/
ORACLE_HOME = /scratch/fmw12c/app/fmw12c/product/12.1.0/dbhome_1/
.
.....
Clearing the compiled files....
Clearing the jar file.
Clearing the compiled classes files.
.
Compiling the sources Start....
mkdir: cannot create directory `classes': File exists
./Library/common/xml-apis-2.11.0.jar:./Library/common/commons-codec-1.10.jar:./Library/common/ojdbc6.jar:./Library/oracle/ucp
.jar:./Library/installer/apache-ant-1.10.1/lib/ant-launcher.jar:./Library/installer/apache-ant-1.10.1/lib/ant.jar:./Library/c
ommon/log4j-api-2.8.1.jar:./Library/common/log4j-core-2.8.1.jar:./Library/common/commons-io-2.5.jar:./Library/common/xercesIm
pl-2.11.0.jar:./Library/installer/yuicompressor-2.4.8.jar:/scratch/app/Oracle/Middleware/Oracle_Home/wlserver//server/lib/web
logic.jar:/scratch/app/java/jdk1.8.0_111/lib/tools.jar:/scratch/app/Oracle/Middleware/Oracle_Home/wlserver//server/lib/weblo
gic.jar:/scratch/app/java/jdk1.8.0_111/lib/tools.jar:
Compiled sources successfully.
.
Building the jar file Starts....
checking for classes folder
classes folder exist
Copying the property files into Classes.
Creating Images directory under Classes.
mkdir: cannot create directory `classes/Images': File exists
Copying Images from src folder to classes/Images.
Creating META-INF directory under Classes.
mkdir: cannot create directory `classes/META-INF': File exists
Copying MANIFEST.MF into Classes/META-INF.
Building the jar file.
Building jar is done.
.
Running Installer in UI Mode...
For Running Installer in Silent Mode give /s command line argument to Batch file

SOURCE : bash
```

Provide the Necessary details.

After providing these details, INSTALLER-GUI is generated. After that follow the below details.



Enter the following details

JDK Path:

Maintain Home folder path of JDK1.8

Oracle Home

Maintain home folder path of Oracle Client or Database

Configuration Mode

Select one of the following values

1. Normal – For Standalone
2. Application Root – For Multi-Tenant

Select one of the radio buttons

1. Property File creation
2. Utilities

Based on the selection, Next screen will be shown .Click Property File creation for the current case.

3. Click 'Next' and the following screen gets displayed.

- Select INFRA for Oracle Banking Payments property file creation .To create property file for Scheduler or Gateway please refer the respective property file creation document.
- For Codeployed setup with 'Oracle FLEXCUBE Universal Banking' or 'Oracle FLEXCUBE Universal Banking for 'JAPAN' respective Product Processors should also be checked.

Option 1 – Standalone Scheduler:

The screenshot shows the 'Oracle Banking Installer' window. The 'Select one of the Components' section has 'INFRA' selected. The 'Select Oracle Product Processors' section has 'Oracle Banking Payments' checked. The 'Select Plugins to be Installed' section has 'Scheduler' checked under the 'Host Address' field, and 'Standalone' selected in the dropdown menu. The 'Exit', 'Log', 'Back', and 'Next' buttons are visible at the bottom.

- Select the Product processor as Oracle Banking Payments for Payments Property file creation.
- Select Scheduler which is Standalone, where Scheduler will be Standalone with EAR.

Option 2 – Embedded Scheduler:

Oracle FLEXCUBE Universal Installer

Oracle Banking 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

☐ Branch Load Existing Branch Property File

Host Address ☐ BPEL ☒ Scheduler

☐ Reports ☐ OFTW ☐ FGL ☐ SIANET Adapter

☐ DMS ☐ Insulation ☐ ELCM Adapter required

- c. Select Oracle Banking Payments for Payments Property file creation. Select Scheduler which is Embedded, as we are integrating with EAR.

4. Click 'Next' and the following screen is displayed:

Option 1 - Multi Entity Deployment:

For Multi-Entity Details ☐

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

SMS Schema Details

Name	Value
Username	OBPMENSMS
Password	*****
Service Name	PM141PDB1
IP Address	whf00aes.in.oracle.com
Port	1523
TNS Connect Descriptor	PM141PDB1

[Test Connection](#)

Entity Schema Details ☐ Same as SMS Schema

Entity Id: JNDI Name:

Name	Value
Username	OBPMENTITY1
Password	*****
Service Name	PM141PDB1
IP Address	whf00aes.in.oracle.com
Port	1523
TNS Connect Descriptor	PM141PDB1

☐ Compile in All Entities

[Test Connection](#)

[Prev](#) [Next](#)

[Exit](#) [Log](#) [Back](#) [Next](#)

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

SMS Schema Details

Name	Value
Username	OBPMENSMS
Password	*****
Service Name	PM141PDB1
IP Address	whf00aes.in.oracle.com
Port	1523
TNS Connect Descriptor	PM141PDB1

[Test Connection](#)

Entity Schema Details ☐ Same as SMS Schema

Entity Id: JNDI Name:

Name	Value
Username	OBPMENTITY2
Password	*****
Service Name	PM141PDB1
IP Address	whf00aes.in.oracle.com
Port	1523
TNS Connect Descriptor	PM141PDB1

☐ Compile in All Entities

[Test Connection](#)

[Prev](#) [Next](#)

[Exit](#) [Log](#) [Back](#) [Next](#)

Scenario for More than One Entity, i.e. Multi Entity:

Provide the SMS Schema Details.

- Post test connection, now give the Entity Schema Details.
- Here Entity Schema is mandatory, atleast minimum one entry should be provided.
- Entity Id value is default i.e. 'ENTITY_ID1' for first entry.
- Provide the JNDI Name for the ENTITY_ID1. By default the jndi name is 'jdbc/fcjdevDS'
- Give the Schema Details for the Entity1.
- After providing the First Entity details, click on '+' Add the rows, if any additional Entities are to be setup.
- Now give the details for Entity_ID2. Here the field is mandatory.
- Provide the schema details and the JNDI name.
- Next and Prev button is to traverse for entity screens.
- Can also add the entities and delete the entities

Option 2 - Single Entity Deployment:

For Single Schema Details ☐

The screenshot shows the Oracle Banking Installer 14.1.0.0.0 window. The title bar reads "Oracle FLEXCUBE Universal Installer 14.1.0.0.0". The main window has a header with "Oracle Banking Installer" and the "ORACLE INSTALLER" logo. The "SMS Schema Details" section contains a table with the following data:

Name	Value
Username	OBPM1410SC
Password	*****
Service Name	OBPMR2
IP Address	whf00akd.in.oracle.com
Port	1522
TNS Connect Descriptor	OBPMR2

To the right of this table is a "Test Connection" button. Below this is the "Entity Schema Details" section, which includes a checkbox labeled "Same as SMS Schema" (checked). It has input fields for "Entity Id" (containing "ENTITY_ID1") and "JNDI Name" (containing "jdbc/fcjdevDS"). Below these is another table with the same data as the SMS Schema Details table. To the right of this table are "+" and "-" buttons, a checkbox labeled "Compile in All Entities" (unchecked), and another "Test Connection" button. At the bottom of the main content area are "Prev" and "Next" buttons. The footer contains "Exit", "Log", "Back", and "Next" buttons.

Provide the SMS schema details to capture the credentials which will be used for DB Compilation.

Here Same as SMS Schema Field is 'Y'

- Entity Id value is default i.e. 'ENTITY_ID1' for first entry.
- Provide the JNDI Name for the ENTITY_ID1. By default the jndi name is 'jdbc/fcjddevDS'
- Give the Schema Details for the Entity1.
- Here Compile In All Entities Field is 'Y'.

Note: IP Address should be same as mentioned in the TNSnames.ora

Once the connection is successful env.properties file present in path
INSTALLER→SOFT→GUI→logs→env.properties will get updated with schema details in encrypted format.

5. Click on 'Test Connection' button. After Successful connection click on 'Next' button to proceed and below Screen occurs. This Screen displays database parameters listed in v\$parameter table.

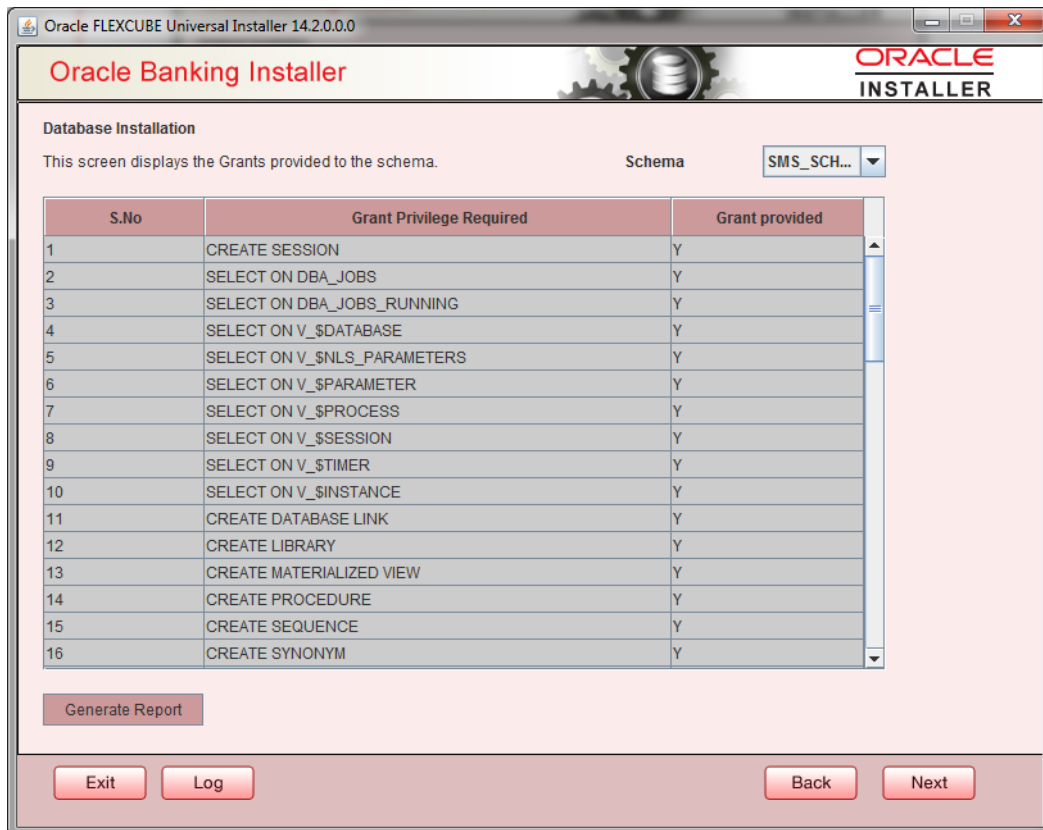
This page is Read only used as reference to know the database parameters.

Schema drop down list is provided to verify parameters of SMS and Entity Schemas.

S.No	Parameter	Current Value	Expected Value
1	_optimizer_connect_by_cost_based	FALSE	FALSE
2	_allow_level_without_connect_by	TRUE	TRUE
3	_unnest_subquery	FALSE	FALSE
4	_hash_join_enabled		FALSE
5	ALWAYS_SEMI_JOIN		NESTED_LOOPS
6	_optimizer_cost_based_transformation	OFF	off
7	audit_trail	DB	NONE
8	blank_trimming	TRUE	TRUE
9	cursor_sharing	FORCE	FORCE
10	cursor_space_for_time	FALSE	FALSE
11	nls_date_format	DD-MON-RRRR	DD-MON-RRRR
12	optimizer_index_caching	90	90
13	optimizer_index_cost_adj	50	50
14	optimizer_mode	ALL_ROWS	ALL_ROWS
15	parallel_adaptive_multi_user	FALSE	FALSE
16	parallel_automatic_tuning		FALSE

6. Click on 'Next' Button. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen.

Schema drop down lists SMS and Entity Schemas. Select Schema and proceed further.



- Click 'Generate Report' button, the installer creates an SQL file 'grantScript.sql' containing the script for granting the privileges in the 'Logs' folder and the following screen is displayed
You can use this file to get the access.



Only the sys user can execute the file 'grantScript.sql' for granting privileges.

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

ORACLE
INSTALLER

Provide Environment details.

EAR Name:

Context Name:

File Separator Style: Linux

Application Server: Weblogic

☒ External JSUIXML Required

☐ External PropertyFile Required

Application Server Path: Browse

Source Path: Browse

Ear Destination Path: Browse

External JSUIXML Path: Browse

External PropertyFile Path: Browse

Exit Log Back Next

EAR Name

Specify a name for the Application to be deployed.

You cannot use special characters such as '.' (Dot), ',' (comma), '\$' etc. However, you may use '_' (underscore). – Applicable for both Windows and Linux.

Context Name

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

This information will be updated in 'application.xml'. In case of a WebLogic server, this will be updated in 'weblogic.xml'.

File Separator Style:

Specify the type of file separator (For example: Linux or Windows). Select the appropriate one from the drop-down list. You also need to specify the version of the selected operating system.

Application Server

Specify the application server in which you are creating the property file. Select the appropriate one from the adjoining drop-down list. For WebSphere, External JSUIXML Required option is not supported.

External JSUIXML Required

Specify whether screen changes will be deployed as External JSUIXML for the application. EXTERNAL_JSUIXML_REQUIRED=Y/N: Depending on requirement

EXTERNAL_JSUIXML_REQUIRED=N: JS and UIXML files are included inside the application EAR.

EXTERNAL_JSUIXML_REQUIRED=Y: JS and UIXML and HELP files are kept in an external path in the application server.

External Property File Required

Specify whether screen changes will be deployed as External fcubs.properties for the application.

EXTERNAL_PROPERTY_PATH_REQUIRED =Y/N: Depending on requirement

EXTERNAL_PROPERTY_PATH_REQUIRED =N: fcubs.properties file is included inside the application EAR.

EXTERNAL_PROPERTY_PATH_REQUIRED =Y: fcubs.properties file is kept in an external path in the application server.



External property file path should have the property file name also with it.

For example: C:\App\fcubs.properties

Application server path

Provide the Application Server Path.

Source Path

Provide the source path of the console exec directory. (Mention exact folder name after unzip the source)

Ear Destination path

Specify the path where Ear needs to be copied after building it using SOFT Installer.

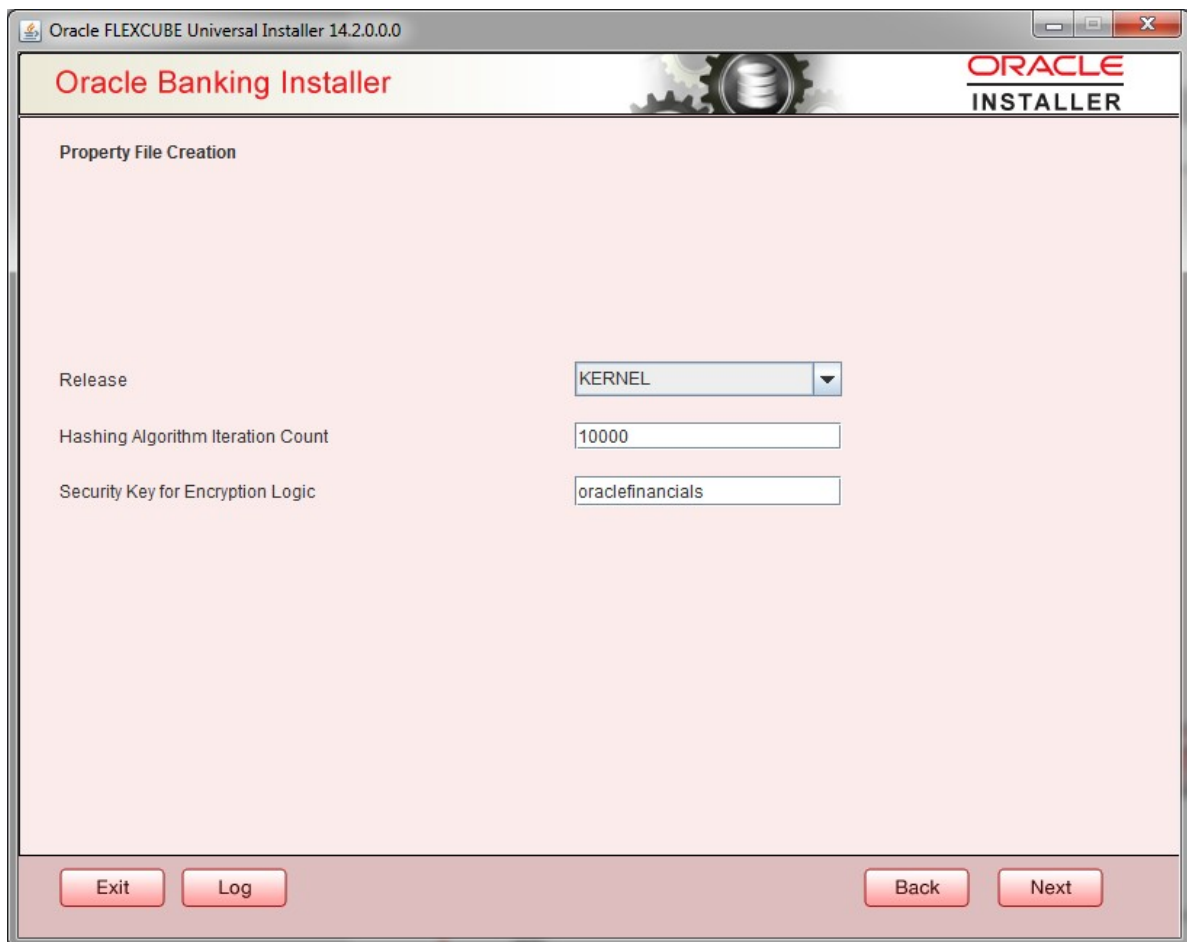
External JSUIXML Path

In case External JSUIXML Required option is checked, External JSUIXML path on the application server machine has to be specified here. External JSUIXML required option is supported only for Weblogic Application Server. EXTERNAL_JSUIXML_PATH: ex:- /scratch/work_area/DEV/FC124_UBS/JS_UIXML_HELP -this can be any path in the Application server.

External Property File Path

In case External Property File required option is checked, External Property File path on the application server machine has to be specified here.

8. Click 'Next' to continue and following screen is displayed:



Release

Specify the release in which you are creating the property file. Default Option would be 'KERNEL'. The options are:

- KERNEL
- MX Cluster
- IT Cluster

Specify the Hashing algorithm iteration count. By default it is 1000.

'Security Key for Encryption Logic' is the key (exact 16 characters) for all encryption logic. By default is 'oraclefinancials'.

1.3.2 Custom Installation

Custom – All details are to be provided.

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer **ORACLE INSTALLER**

Property File Creation - DataSource

Please enter DataSource Names

SMS Data Source

Branch Data Source

Scheduler Data Source

PM Online JNDI

PM Batch JNDI

Webservices Provider URL

Host Server URL

Standalone Scheduler URL

Exit Log Back Next

1. Please enter Data sources required which will be asked as per the product, Plug-in and Component combinations chosen in the first screen.
2. Sms Datasource will be always enabled as it is required for most of the cases.
3. Standalone Scheduler URL field is enabled for Standalone Scheduler Setup and provide the context as 'ScheduleNeoWeb'.

1.3.3 Setting General Properties

This section describes the process of setting common properties of Oracle FLEXCUBE Payments. The installer displays the 'General Property' screen.

Specify the following details:

Debug Logs Required

If debug option is required, select 'Yes' from the drop-down list. If not required, select 'No'. By default the value is 'No'.

Note: Parameter APPLICATION_WORK_AREA in fcubs.properties will be updated to "Work Area" path provided during installation.

LOV Fetch Required

If you check this box, the option lists in Oracle FLEXCUBE displays the matching values based on the first characters that you enter in a field. If you specify the first three characters of a value to be entered in an option list and tab out, the system displays the complete list of values that are matching the first three characters.

If you do not check this, option lists does not show the matching values based on the first few characters. You need to specify the complete value against the field.

External LOV Required

If you check this box, External Lov option for external Limits in FLEXCUBE will be enabled.

Work Area

Specify the work area.

For example: D:\BrnDbgs\

Signature Path

Specify the location at which the signature images should be placed.

Excel Path

Specify the location at which the excel files should be generated.

Request Time Out

Specify the database request timeout value in milli seconds. This is the maximum number of seconds the database waits for a query to return the result. By default it is 1800000 milli seconds.

Connection Time Out

Specify the database connection timeout value in seconds. This is the maximum number of seconds the application waits for a connection to the database to open.

Session Time Out

Enter the session time out value in seconds. This is the maximum number of seconds during which the application gets active without any user intervention. If there is no user intervention continuously for the duration specified here, the user session gets expire.

Max Image Size

Specifies the maximum image size that can be uploaded. The default size is 1048576 bytes.

CSS Style

Specify the CSS style to be used from the adjoining drop down list. You can select one of the following

CSS styles:

- Default – select this to apply the default style provided along with Oracle FLEXCUBE
- Custom – select this to apply a custom style

Name

Specify the name of the CSS style.

Once you have specified the above details, click 'Next'

Language

Specify the language in which you wish to see Oracle FLEXCUBE UBS. ENGLISH is the default language. However, based on the requirement, you can set a different language. Select the appropriate one from the drop-down list.

Based on the language selected, the installer displays the ISO code.

Application Title

Specify the application title.

For example: FLEXCUBE

UBS

Version

Specify the application version.

For example: 14.4.0.0.0

CopyRights

Specify the copyright details.

For example: Copyright © 2017, 2020 Oracle and/or its affiliates. All rights reserved.

1.3.4 Setting Single Sign on

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property File Creation - Single Sign on

SSO Required ☐ SSO Type: DEFAULT

SSO KEY: DN

Authentication details maintained external to FLEXCUBE

External Password Required ☐ Authentication Type: MSAD

External User Login Required ☐

☐ OPSS Available

Option to provide LDAP server details

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATION TYPE	Simple
4	DOMAIN NAME	flexcube.com
5	LDAP SERVER TIMEOUT	0

Option to provide SAML details

No.	Name	Value
1	SAML CERTIFICATE PATH	D:\Security\SAML_Implementation\TestFiles\certicertstore\b...
2	SAML CERTIFICATE PASSWORD	*****
3	SAML CERTIFICATE ALIAS	barc
4	SAML VALID AUDIENCE	bPAID_BWSIT

Exit Log Back Next

3. Specify the following details:

SSO Required

Check this box to enable single sign-on (SSO). If you check this box, you need to enter the SSO Key and the SSO Type.

SSO Key

Specify the SSO key. If you have checked the box 'SSO Required', it is mandatory to specify the SSO key.

If you have checked the box 'SSO required', the Installer skips the following two screens and

directly navigate to the SSL screen shown below in this manual.

If you have not checked the box 'SSO Required', then on clicking the 'Next' button, the following screen is displayed:

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer ORACLE INSTALLER

Property File Creation - Single Sign on

SSO Required ☐ SSO Type: DEFAULT

SSO KEY: DN

Authentication details maintained external to FLEXCUBE

External Password Required ☒ Authentication Type: MSAD (dropdown menu showing MSAD, LDAP)

External User Login Required ☐ OPSS Available ☐

Option to provide LDAP server details

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATION TYPE	Simple
4	DOMAIN NAME	flexcube.com
5	LDAP SERVER TIMEOUT	0

Option to provide SAML details

No.	Name	Value
1	SAML CERTIFICATE PATH	D:\Security\SAML_Implementation\TestFiles\cert\certstore\b...
2	SAML CERTIFICATE PASSWORD	*****
3	SAML CERTIFICATE ALIAS	barc
4	SAML VALID AUDIENCE	bPAID_BWSIT

Exit Log Back Next

External Password Required

Check this box to allow the user-login using MSAD/LDAP password irrespective of the user ID. If you check this box, the user ID can be either the MSAD/LDAP user ID or the Oracle Banking Payments application user ID. And the password can be MSAD/LDAP server password only.

By default, this check box is unchecked. However, you can change this.

If you do not check this box, the installer skips the following screen and directly navigates you to the SSL screen shown below in this manual.

If you check the box, then click 'Next' and the following screen is displayed:

External User Login Required

Check this box to enable user login using MSAD/LDAP user ID. If you check this box, the user can login using MSAD/LDAP server user ID as well as using Oracle Banking Payments application user ID.

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

ORACLE
INSTALLER

Property File Creation - Single Sign on

SSO Required ☐ SSO Type DEFAULT

SSO KEY DN

Authentication details maintained external to FLEXCUBE

External Password Required ☒ Authentication Type MSAD

External User Login Required ☒ MSAD

☐ OPSS Available LDAP

Option to provide LDAP server details

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATION TYPE	Simple
4	DOMAIN NAME	flexcube.com
5	LDAP SERVER TIMEOUT	0

Option to provide SAML details

No.	Name	Value
1	SAML CERTIFICATE PATH	D:\Security\SAML_Implementation\TestFiles\certicertstore\b...
2	SAML CERTIFICATE PASSWORD	*****
3	SAML CERTIFICATE ALIAS	barc
4	SAML VALID AUDIENCE	bPAID_BWSIT

Exit Log Back Next

If you do not check this box, the user can login using FCUBS user ID only. By

default, this check box is unchecked. However, you can change this.



'Authentication Type' is enabled if one of the above check boxes is checked.

Authentication Type

Select the authentication type from the adjoining drop-down list. This is the type of external server that is used. You can select one of the following options:

MSAD (Microsoft Active Directory)

LDAP (Lightweight Directory Access Protocol)

By default, 'MSAD' is selected; however, you can change it.

OPSS Available

Indicate whether OPSS-CSF is installed or not.



Please choose this only if Oracle Platform Security Services - Credential Store Framework (CSF) is installed as per the guidelines in the pre-requisite document. It is recommended that you install CSF for safeguarding application specific security credentials.

1.3.5 Setting CSS_Style

- Specify the following details:

CSS Style

Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:

Default – select this to apply the default style provided along with Oracle Banking Payments

Custom – select this to apply a custom style

Name

Specify the name of the CSS style.

- Once you have specified the above details, click Next,

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property File Creation - SMTPS/Branch/DMS

Option for Mail configuring using SMTPS Protocol

No.	Name	Value
1	Host	samplename.mail.com
2	User Id	infra
3	User Password	*****
4	JNDI Name	mail/FCUBSMail

Option for modifying the Branch properties

No.	Name	Value
1	Date Separator	-
2	WorkFlow Frequency	6000
3	Compress Request	☒

Option for modifying the DMS/IPM property values

No.	Name	Value
1	Login Service Address	http://10.10.10.10:1010/imaging/ws/LoginService
2	Document Service Address	http://10.10.10.10:1010/imaging/ws/DocumentService
3	Document Content Service Address	http://10.10.10.10:1010/imaging/ws/DocumentContentService
4	IPM User Name	testuser
5	IPM Password	*****

Exit Log Back Next

- Specify the following details.

Host

Specify the SMTP host name. User ID

Specify the user ID.

User Password

Specify the user password.

JNDI Name

Specify the JNDI name.

5. Once you have specified the above details, click 'Next' and system displays the next screen. Applicable for Single Schema Setup i.e. Option 2,

1.3.6 Configuring Scheduler

Click 'Next' and the following screen is displayed: Specify the following details:

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property File Creation - Scheduler Queues

Option for configuring Scheduler Destination Queue

Notify Destination: **QUEUE**

Queue Name: **NOTIFY_DEST_QUEUE**

Queue Connection Factory: **NotifyDestQCF**

☐ Secure ☐ Caller ID

Caller Password:

Notify Queue Location: **Internal**

Option for configuring Scheduler Deferred Queue

Notify Deferred Queue Name: **DEFERRED_DEST_QUEUE**

Deferred Queue Connection Factory: **DeferredDestQCF**

☐ Secure ☐ Caller ID

Caller Password:

Option for configuring Scheduler Notify Internal Queue

Notify Queue Name: **NOTIFY_QUEUE**

Dead Letter Queue Name: **NOTIFY_QUEUE_DLQ**

Notify Queue Connection Factory: **NOTIFY_MDB_QCF**

☐ Secure ☐ Caller ID

Caller Password:

Option for configuring Log Rotation Interval

Scheduler Log Rotation Interval: **WEEKLY**

Option for External Server configuration for Destination Queue.

No.	Name	Value
1	Provider URL	iiop://localhost:1010
2	Security Principal	
3	Security Credential	

Exit Log Back Next

Notify Destination

Specify the notify destination. Select one of the following options:

- QUEUE
- TOPIC

Queue Name

Set NOTIFY_DEST_QUEUE' as the destination queue name.

Queue Connection Factory

Set NotifyDestTCF' as the queue connection factory.

Secure

Check this box to indicate that it is a secured queue connection factory. If you check this box, you will be prompted to specify the caller ID and caller password as shown in the following screen.

Notify Queue Location

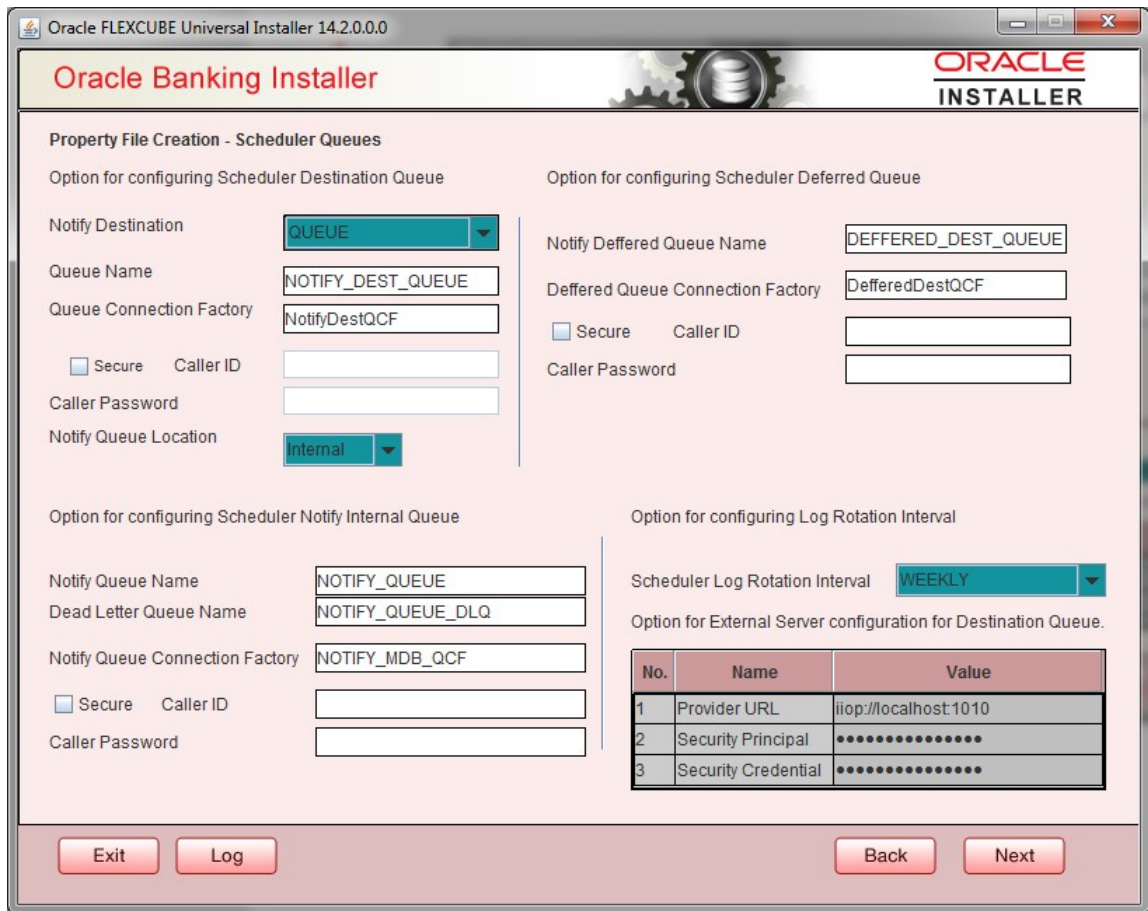
Specify the notify queue location. Select one of the following options:

Internal

External

 For Oracle WebLogic application server, the notify queue location should be selected as Internal. If you choose Internal as the Notify Queue Location, the screen provided in the following step is not displayed. You will be navigated to next step where you can specify the notify deferred queue name and connection factory.

4. If you choose External, system displays the following screen:



The screenshot shows the 'Oracle Banking Installer' window for 'Oracle FLEXCUBE Universal Installer 14.2.0.0.0'. The title bar includes the Oracle logo and the word 'INSTALLER'. The main window is titled 'Oracle Banking Installer' and contains several configuration sections:

- Property File Creation - Scheduler Queues**
 - Option for configuring Scheduler Destination Queue**
 - Notify Destination: **QUEUE** (dropdown)
 - Queue Name: **NOTIFY_DEST_QUEUE** (text box)
 - Queue Connection Factory: **NotifyDestQCF** (text box)
 - ☐ Secure: ☐ Caller ID: Caller Password:
 - Notify Queue Location: **Internal** (dropdown)
 - Option for configuring Scheduler Deferred Queue**
 - Notify Deferred Queue Name: **DEFERRED_DEST_QUEUE** (text box)
 - Deferred Queue Connection Factory: **DeferredDestQCF** (text box)
 - ☐ Secure: ☐ Caller ID: Caller Password:
 - Option for configuring Scheduler Notify Internal Queue**
 - Notify Queue Name: **NOTIFY_QUEUE** (text box)
 - Dead Letter Queue Name: **NOTIFY_QUEUE_DLQ** (text box)
 - Notify Queue Connection Factory: **NOTIFY_MDB_QCF** (text box)
 - ☐ Secure: ☐ Caller ID: Caller Password:
 - Option for configuring Log Rotation Interval**
 - Scheduler Log Rotation Interval: **WEEKLY** (dropdown)
 - Option for External Server configuration for Destination Queue.**

No.	Name	Value
1	Provider URL	iiop://localhost:1010
2	Security Principal	
3	Security Credential	

At the bottom, there are buttons for 'Exit', 'Log', 'Back', and 'Next'.

5. Specify the following details of the external queue.

Provider URL

Specify the provide URL (iiop://localhost:1010). 1010 is the default IIOP port. Application Server	EMS Out Initial Context Factory
Oracle WebLogic	t3://<ip_adress>:port E.g.: t3://10.10.10.10:1010 Here, 10.10.10.10 represents the local host and 1010 to the target server default port (AdminServer/ManagedServer).
IBM WebSphere	iiop://<ip_adress>:port E.g.: iiop://10.10.10.10:1010 Here, 1010 represents the default iiop port

Security Principal

Specify the login ID to access the application server.

Security Credentials

Specify the password to access the application server.

6. Click **Next** to proceed with scheduler configuration.



If you choose 'Internal' as the 'Notify Queue Location', you will be directly navigated to the following screen. In that case, the installer will not show the screen explained in the previous step.

7. Specify the following details:

Notify Deferred Queue Name

Set DEFERRED_DEST_QUEUE as the notify differed queue name.

Deferred Queue Connection Factory

Set DeferredDestQcf as the deferred queue connection factory.

Secure

Check this box to indicate that it is a secured deferred queue connection factory. If you check this box, you will be prompted to enter the caller ID and caller password as shown in the following screen.

Oracle FLEXCUBE Universal Installer 14.2.0.0

Oracle Banking Installer

Property File Creation - Scheduler Queues

Option for configuring Scheduler Destination Queue

Notify Destination: **QUEUE**

Queue Name: **NOTIFY_DEST_QUEUE**

Queue Connection Factory: **NotifyDestQCF**

☐ Secure Caller ID:

Caller Password:

Notify Queue Location: **Internal**

Option for configuring Scheduler Deferred Queue

Notify Deferred Queue Name: **DEFERRED_DEST_QUEUE**

Deferred Queue Connection Factory: **DeferredDestQCF**

☐ Secure Caller ID:

Caller Password:

Option for configuring Scheduler Notify Internal Queue

Notify Queue Name: **NOTIFY_QUEUE**

Dead Letter Queue Name: **NOTIFY_QUEUE_DLQ**

Notify Queue Connection Factory: **NOTIFY_MDB_QCF**

☐ Secure Caller ID:

Caller Password:

Option for configuring Log Rotation Interval

Scheduler Log Rotation Interval: **WEEKLY**

Option for External Server configuration for Destination Queue.

No.	Name	Value
1	Provider URL	iiop://localhost:1010
2	Security Principal	
3	Security Credential	

Exit Log Back Next

8. Click Next and the following screen is displayed:

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

**ORACLE
INSTALLER**

Property File Creation - Scheduler Queues

Option for configuring Scheduler Destination Queue

Notify Destination: QUEUE

Queue Name: NOTIFY_DEST_QUEUE

Queue Connection Factory: NotifyDestQCF

☐ Secure Caller ID:

Caller Password:

Notify Queue Location: Internal

Option for configuring Scheduler Deferred Queue

Notify Deferred Queue Name: DEFERRED_DEST_QUEUE

Deferred Queue Connection Factory: DeferredDestQCF

☐ Secure Caller ID:

Caller Password:

Option for configuring Scheduler Notify Internal Queue

Notify Queue Name: NOTIFY_QUEUE

Dead Letter Queue Name: NOTIFY_QUEUE_DLQ

Notify Queue Connection Factory: NOTIFY_MDB_QCF

☐ Secure Caller ID:

Caller Password:

Option for configuring Log Rotation Interval

Scheduler Log Rotation Interval: WEEKLY

Option for External Server configuration for Destination Queue.

No.	Name	Value
1	Provider URL	iiop://localhost:1010
2	Security Principal	*****
3	Security Credential	*****

Exit
Log
Back
Next

9. Specify the following details:

Notify Queue Name

Set 'NOTIFY_QUEUE' as the notify queue name.

Dead Letter Queue Name

Set 'NOTIFY_QUEUE_DLQ' as the dead letter queue name.

Notify Queue Connection Factory

Set 'NOTIFY_MDB_QCF' as the notify queue connection factory.

Secure

Check this box to indicate that it is a secured queue connection factory. If you check this box, you will be prompted to enter the caller ID and caller password as shown in the following screen.

10. Click 'Next' and the following screen is displayed:

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property File Creation - Scheduler EMS Queue

No.	Name	Value
1	Incoming Dead Letter Queue Name	EMS_QUEUE_DLQ
2	Incoming backup Queue Name	EMS_QUEUE_BACK
3	Incoming Queue Connection Factory	EmsQcf
4	Secure Incoming Queue Connection	☐
5	Incoming Queue Caller Id	
6	Incoming Queue Caller Password	
7	Outgoing Dead Letter Queue Name	EMS_QUEUE_DLQ
8	Outgoing Queue Connection Factory	EmsQcf
9	Secure Outgoing Queue Connection	☐
10	Outgoing Queue Caller Id	
11	Outgoing Queue Caller Password	
12	Outgoing Queue Provider URL	t3://10.10.10.10:1010
13	Queue Principal	*****
14	Queue Credential	*****
15	Incoming Queue Name	EMS_INQUEUE
16	Outgoing Queue Name	EMS_OUTQUEUE
17	SFMS Incoming Queue	SFMS_INQUEUE
18	RTGS Incoming Queue	RTGS_INQUEUE
19	EMS Bulker Queue	BULKER_QUEUE

Exit Log Back Next

Specify the following details:

Incoming Dead Letter Queue Name

Set 'EMS_QUEUE_DLQ' as the incoming dead letter queue name.

Incoming Backup Queue Name

Set 'EMS_QUEUE_BACK' as the incoming backup queue name.

Incoming Queue Connection Factory

Set 'EmsQcf' as the incoming queue connection factory.

Secure Incoming Queue Connection

Check this box to indicate that it is a secured queue connection.

Incoming Queue Caller ID

Specify the caller ID for the secured queue connection.

Incoming Queue Caller Password

Specify the caller password for the secured queue connection.

Outgoing Dead Letter Queue Name

Set 'EMS_QUEUE_DLQ' as outgoing dead letter queue name.

Outgoing Queue Connection Factory

Set 'EmsQcf' as the outgoing queue connection factory.

Secure Outgoing Queue Connection

Check this box to indicate that it is a secured outgoing queue connection.

Outgoing Queue Caller ID

Specify the caller ID for the secured queue connection.

Outgoing Queue Caller Password

Specify the caller Password for the secured queue connection.

Outgoing Queue Provider URL

Specify the URL of the outgoing queue.

No.	Name	Value
1	Incoming Dead Letter Queue Name	EMS_QUEUE_DLQ
2	Incoming backup Queue Name	EMS_QUEUE_BACK
3	Incoming Queue Connection Factory	EmsQcf
4	Secure Incoming Queue Connection	☐
5	Incoming Queue Caller Id	
6	Incoming Queue Caller Password	
7	Outgoing Dead Letter Queue Name	EMS_QUEUE_DLQ
8	Outgoing Queue Connection Factory	EmsQcf
9	Secure Outgoing Queue Connection	☒
10	Outgoing Queue Caller Id	
11	Outgoing Queue Caller Password	
12	Outgoing Queue Provider URL	t3://10.10.10.10:1010
13	Queue Principal	*****
14	Queue Credential	*****
15	Incoming Queue Name	EMS_INQUEUE
16	Outgoing Queue Name	EMS_OUTQUEUE
17	SFMS Incoming Queue	SFMS_INQUEUE
18	RTGS Incoming Queue	RTGS_INQUEUE
19	EMS Bulker Queue	BULKER_QUEUE

Exit Log Back Next

Queue Principal

Specify the queue principal.

Queue Credential

Specify the queue credential.

Incoming Queue Name

Specify the incoming queue name.

Outgoing Queue Name

Specify the outgoing queue name.

SFMS Incoming Queue

Specify the SFMS Incoming Queue.

RTGS Incoming Queue

Specify the RTGS incoming Queue.

EMS Bulker Queue

Specify the Bulker Queue name as **BULKER_QUEUE**. So that in fcubs.properties file, EMS_BULKER_QUEUE field gets updated to 'BULKER_QUEUE' value

Once you have specified the above details, click 'Next' and system displays the next screen.

1.3.7 Setting EMS Properties

You will be navigated to the 'Scheduler EMS Properties' screen. Here, you need to set the EMS details.

1. Set the EMS properties:

No.	Name	Value
1	Incoming Dead Letter Queue Name	EMS_QUEUE_DLQ
2	Incoming backup Queue Name	EMS_QUEUE_BACK
3	Incoming Queue Connection Factory	EmsQcf
4	Secure Incoming Queue Connection	☐
5	Incoming Queue Caller Id	
6	Incoming Queue Caller Password	
7	Outgoing Dead Letter Queue Name	EMS_QUEUE_DLQ
8	Outgoing Queue Connection Factory	EmsQcf
9	Secure Outgoing Queue Connection	☐
10	Outgoing Queue Caller Id	
11	Outgoing Queue Caller Password	
12	Outgoing Queue Provider URL	t3://10.10.10.10:1010
13	Queue Principal	*****
14	Queue Credential	*****
15	Incoming Queue Name	EMS_INQUEUE
16	Outgoing Queue Name	EMS_OUTQUEUE
17	SFMS Incoming Queue	SFMS_INQUEUE
18	RTGS Incoming Queue	RTGS_INQUEUE
19	EMS Bulker Queue	BULKER_QUEUE

2. Specify the following details:

OutGoing Connection Factory

Specify the name of the outgoing connection factory to which EMS listens. You need to create this connection factory at the application server.

For details on connection factory creation, follow the steps described for creation of notify connection factories.

Incoming Connection Factory

Specify the name of the incoming connection factory to which EMS listens. You need to create this connection factory at the application server.

For details on connection factory creation, follow the steps described for creation of notify connection factories.

Outgoing Queue Name

Specify the name of the outgoing queue for which EMS is configured. By default, this is set as NOTIFY_QUEUE_DLQ.

Incoming Queue Name

Specify the name of the incoming queue for which EMS is configured. By default, this is set as NOTIFY_QUEUE_DLQ.

Incoming Backup Queue Name

Specify the name of the incoming backup queue for which EMS is configured.

Outgoing Queue Provider URL

In case EMS OUT MDB is to be configured to queue, you need to specify the URL for outgoing provider based on the application server. By default, the Installer displays the outgoing queue provider URL for Oracle WebLogic.

This value is application server dependent.

The details of Outgoing Queue Provider URL to be used for different application servers are given below:

Application Server	EMS Out Initial Context Factory
Oracle WebLogic	t3://<ip_adress>:port E.g.: t3://10.10.10.10:1010 Here, 10.10.10.10 represents the local host and 1010 to the target server default port (AdminServer/ManagedServer).

IBM WebSphere	iioop://<ip_address>:port E.g.: iioop://10.10.10.10:1010 Here, 1010 represents the default iioop port
---------------	---

Queue Principal

If EMS OUT MDB has to be configured to queue, you need to specify the EMS out queue principal. This is the user name for the application server in which the queue is configured.

Queue Credential

If EMS OUT MDB has to be configured to queue, you need to specify the EMS out queue credential. This is the password for the above user name created for application server in which the queue is configured.

- Once you have specified the above details, click Next and the following screen is displayed:

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property file Creation - EMS FTP/FTPS
Option for Scheduler EMS FTP/FTPS configuration

No.	Name	Value
1	File Transfer Mode	FTPS
2	Server	10.10.10.10
3	User id	OFSS
4	Password	
5	KnownHost file local folder path	/mnt/ems/SFTP/knownhosts
6	KnownHost file server folder path	/mnt/ems/SFTP/knownhosts
7	File Type	.txt
8	SWIFT Format	1
9	SWIFT Message Delimiter	☒
10	SWIFT Message Terminator	☒
11	MEDIA	SWIFT

Option for EMS -Structured Financial Messaging System configuration

No.	Name	Value
1	Signature Block	☒
2	Keystore File Name	/keystore
3	Keystore Alias name	
4	Keystore Password	

Exit Log Back Next

- Specify the following details:

File Transfer Mode FTPS

Specify the mode of transferring files to EMS. Select one of the following:

- FTPS
- SFTP
- HTTP

-

Server

Specify the server IP address for the selected file transfer mode.

User ID

Specify the user ID to access the server of the file transfer mode.

Password

Specify the password to for the above user ID.

File Type

Specify the type of file that is transferred. By default, the Installer sets it as '.txt'.

SWIFT Message Delimiter

Specify the character, which is used as the message delimiter.

SWIFT Message Terminator

Specify the character, which is used as the message terminator.

Once you have specified the above details, click 'Next'. and the following screen is displayed :

Oracle FLEXCUBE Universal Installer 14.2.0.0.0

Oracle Banking Installer

Property file Creation - EMS FTP/FTPS
Option for Scheduler EMS FTP/FTPS configuration

No.	Name	Value
1	File TransferMode FTPS	FTPS
2	Server	10.10.10.10
3	User id	OFSS
4	Password	*****
5	KnownHost file local folder path	/mnt/ems/SFTP/knownhosts
6	KnownHost file server folder path	/mnt/ems/SFTP/knownhosts
7	File Type	.txt
8	SWIFT Format	1
9	SWIFT Message Delimiter	☒
10	SWIFT Message Terminator	☒
11	MEDIA	SWIFT

Option for EMS -Structured Financial Messaging System configuration

No.	Name	Value
1	Signature Block	☒
2	Keystore File Name	/keystore
3	Keystore Alias name	*****
4	Keystore Password	*****

Exit Log Back Next

- Specify the following details:

Keystore File Name

Specify the keystore file name.

Keystore Alias Name

Specify the keystore alias name.

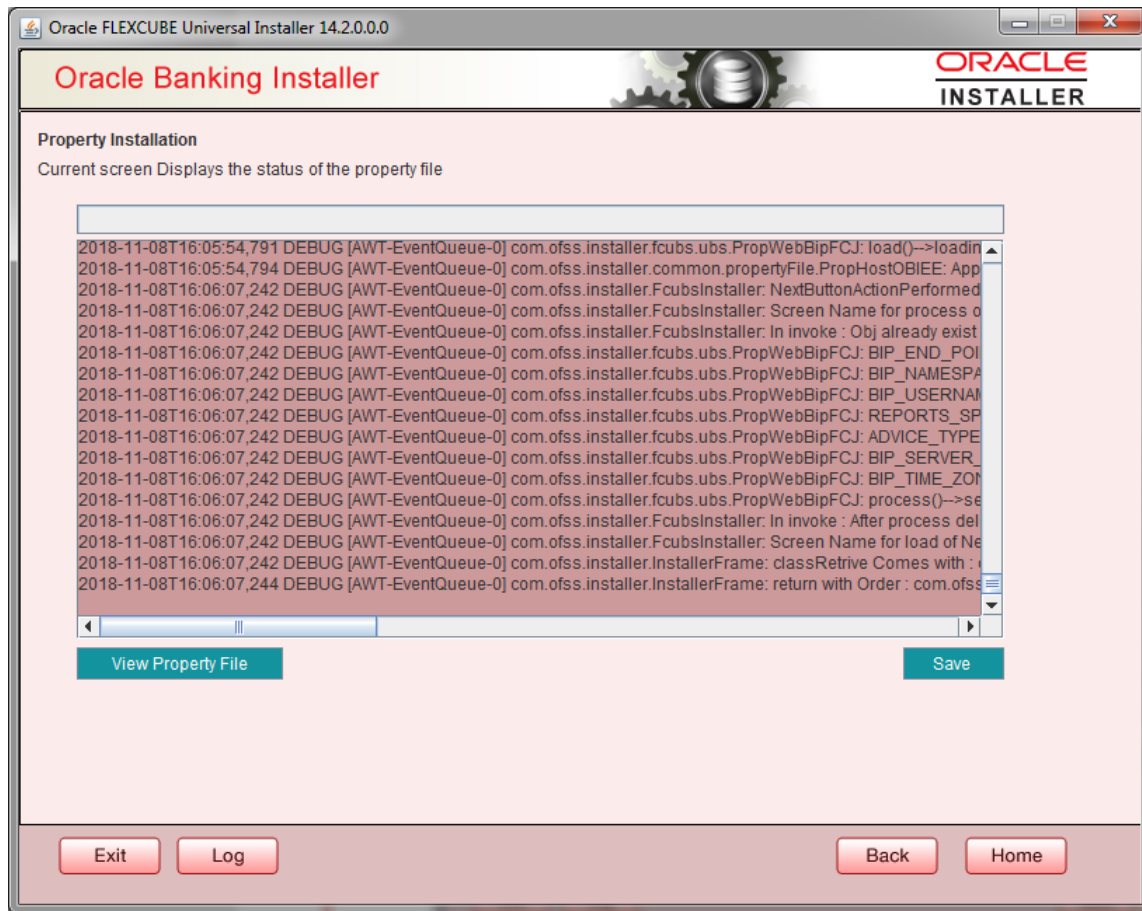
Keystore Password

Specify the keystore password.

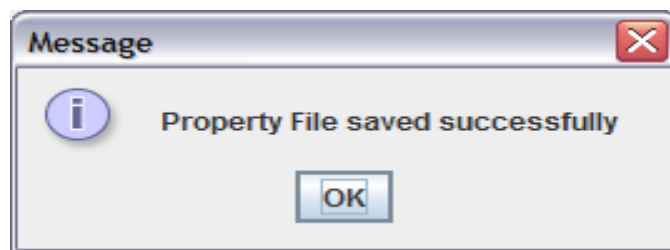
1.3.8 Saving Property File

After completing all the required settings explained above, you need to save the property file.

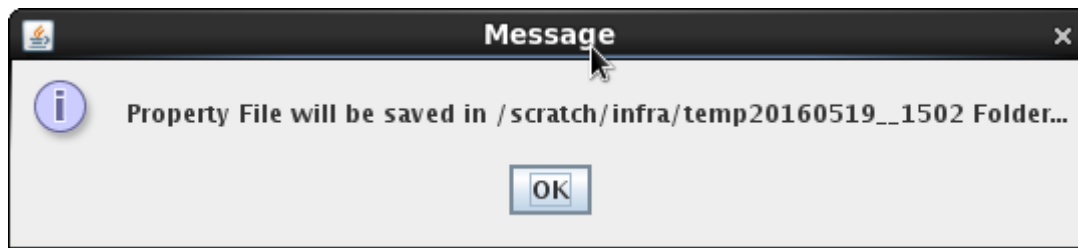
1. Save the Property File



2. You can view the status of property file creation in the above screen. Once the file is saved, the installer displays the following message:



3. If 'Next' is clicked without 'Save' the property file will get saved in a temporary folder.



This completes the properties file creation. Along with the property file creation, env.properties file is also generated in \INSTALLER\SOFT\logs path.



Oracle Banking Payments

Payments Installer Property File Creation
[April] [2022]
Version 14.5.4.0.0

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