Payments Installer
Property File Creation
Oracle Banking Payments Installer
Release 12.5.0.0.0
[Sep] [2017]

Table of Contents

1. Creating Property File for Oracle Banking Payments Installer

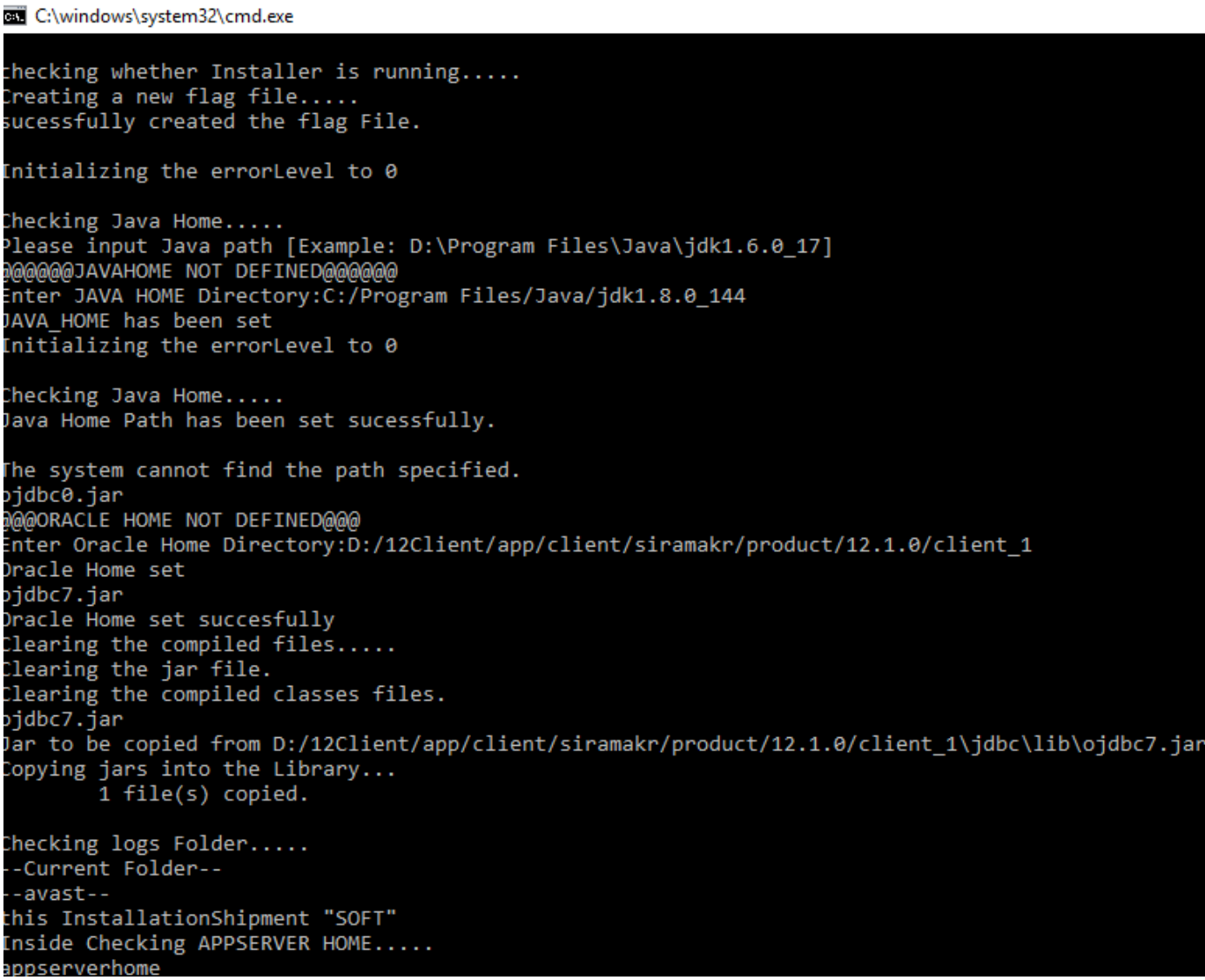
1.1 Introduction

This chapter explains the steps to create property file for Oracle Banking Payments Installer Application. Two property files are created. While creating the Fcubs property 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. Launch Oracle Banking Payments Installer bat file i.e. **FCUBSInstaller**.**bat** in Windows.



Need to provide the following details:

JAVA HOME PATH

Provide the JDK home path with the latest version.

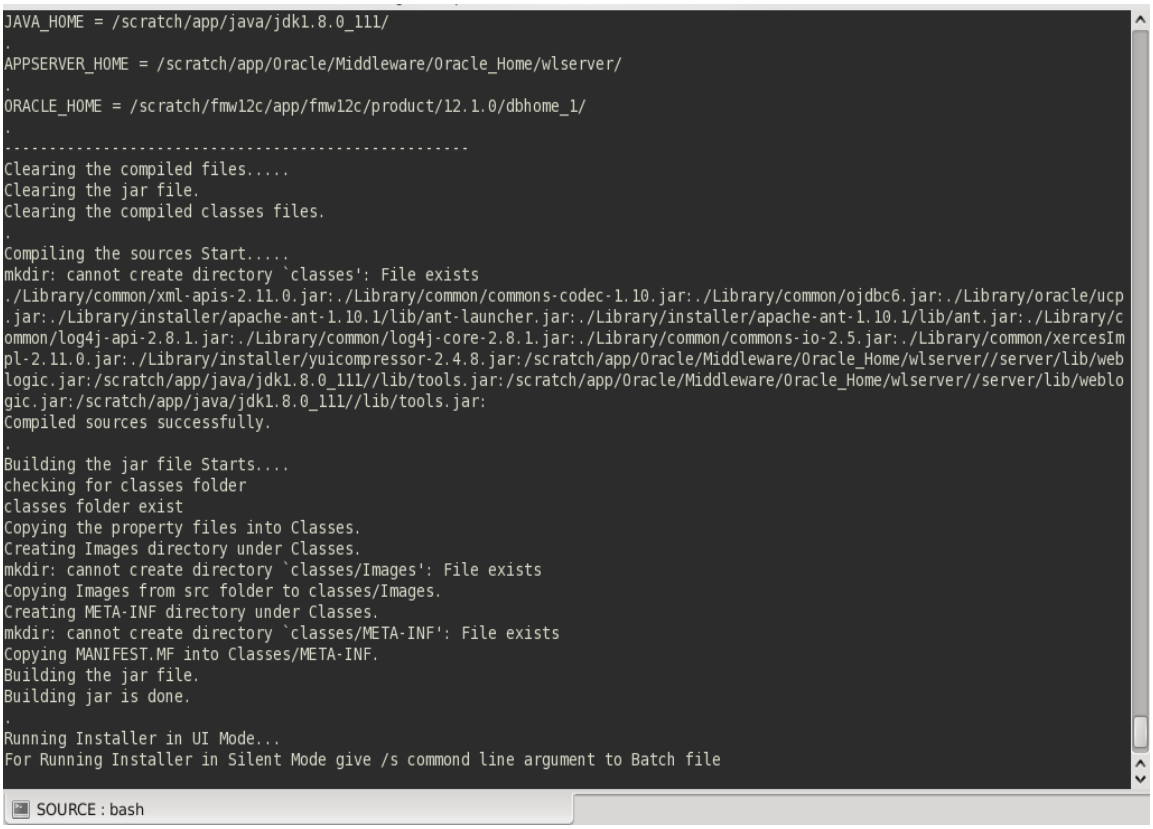
ORACLE HOME PATH

Provide the Oracle 12C Client Path.

APPSERVER PATH

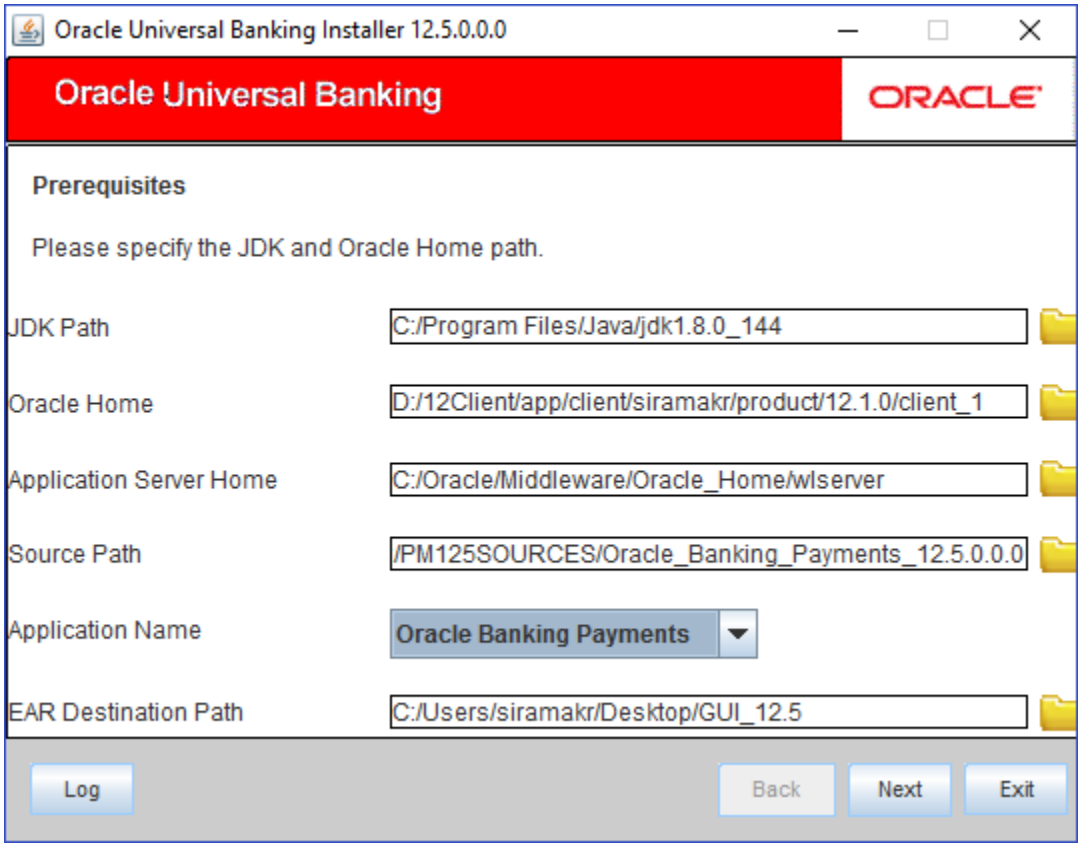
Provide the Application Server Path.

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



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

Application Server Home

Maintain home folder path of Application Server

Source Path

Provide the source path maintained

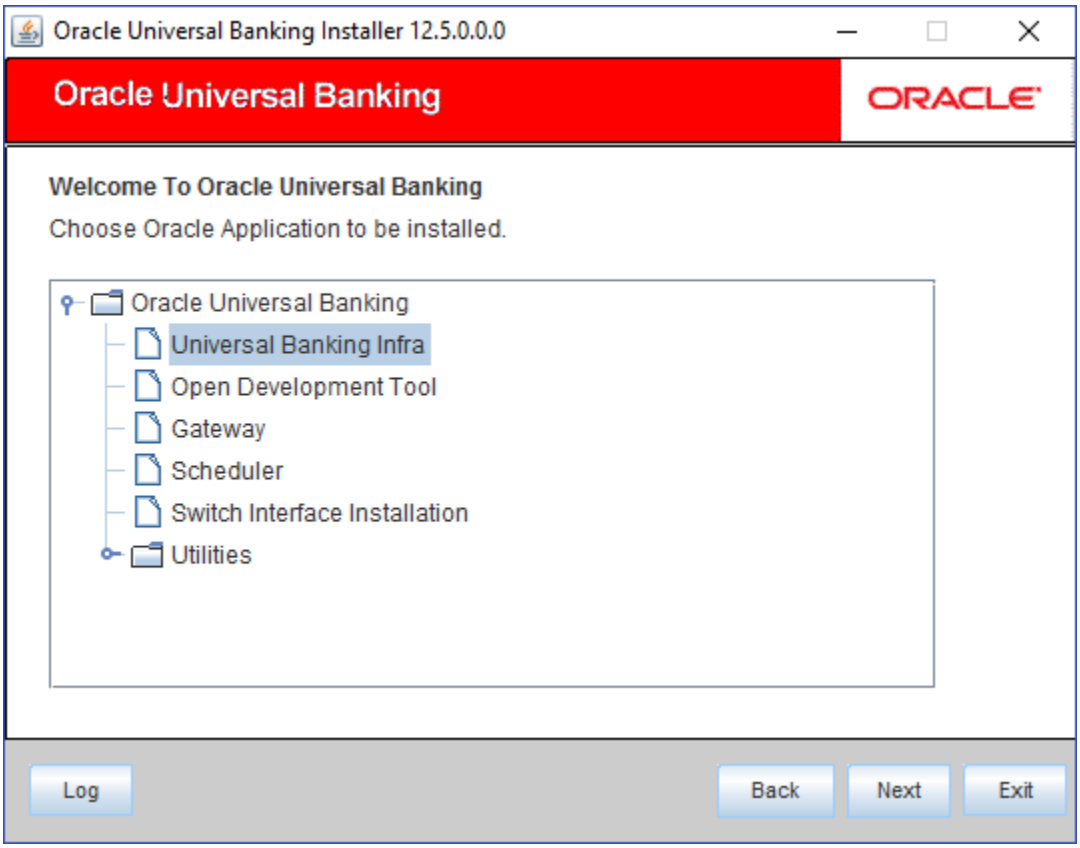
EAR Destination Path

Provide the destination path where generated EAR (Application and Gateway) should be stored

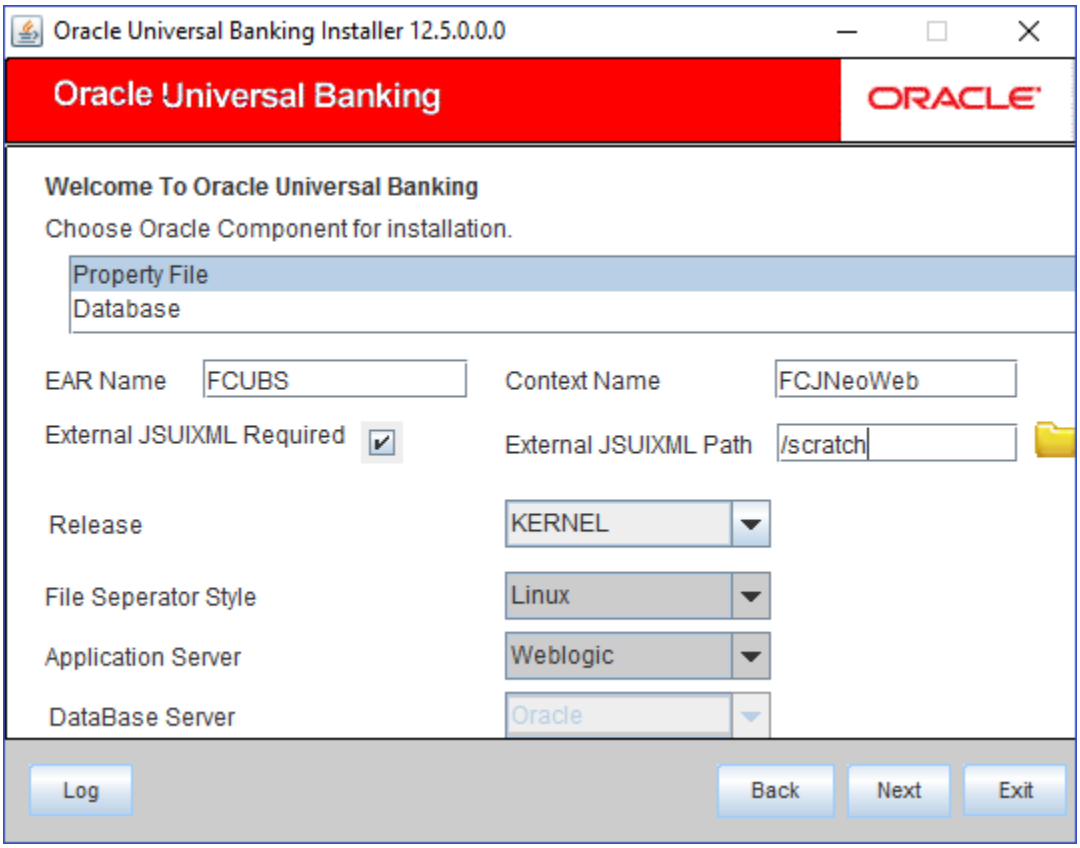
Application Name

Select the application name from the drop down.

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



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



5. Select 'Property File'.

6. Specify the following details:

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.

External JSUIXML

Manually copy the JS_UIXML folder to the deployment path and provide the permission to that folder.

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'.

Release

Specify the release in which you are creating the property file. **Select** the appropriate one from the adjoining drop-down list. The options are:

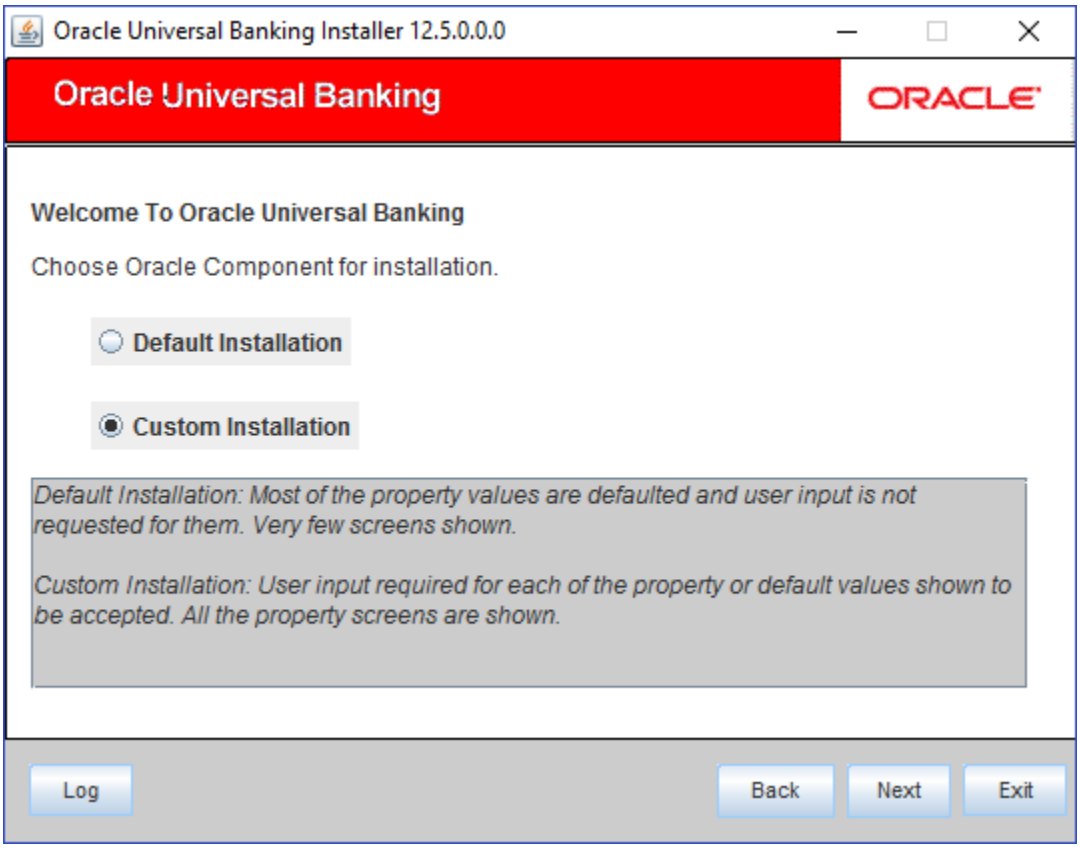
KERNEL

VN.Cluster

Application Server

Specify the application server in which you are creating the property file. Select the appropriate one from the adjoining drop-down list.

7. click 'Next' to continue and following screen is displayed:



In this screen,choose either Default or Custom installation.

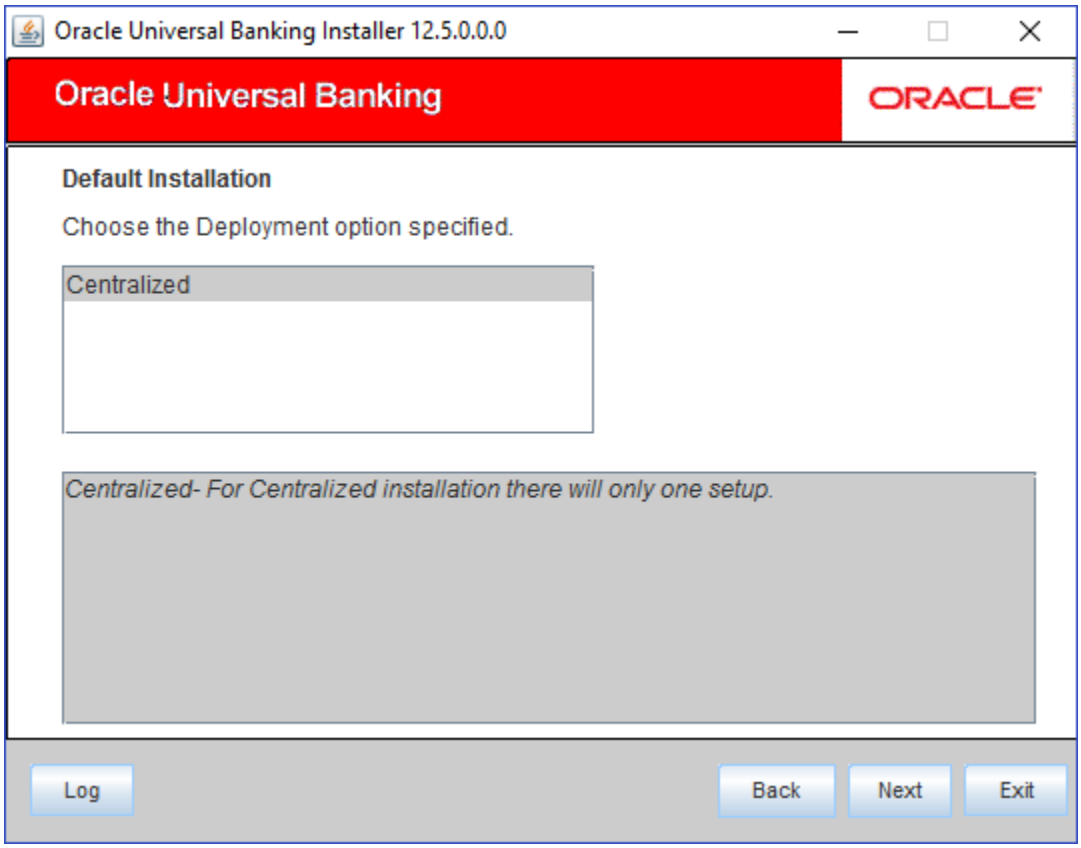
Default – Only the minimum list of details are asked for. Insulation plug-in is de-selected. SSO is by default No.

If there are any issues with the default values then, the property file created can be loaded and by choosing custom Installation option it can be corrected.

Default makes sense if the user is acquinted with Payments configuration defaults else its advised to go with custom installation.

1.2.1 Default Installation

After selecting Default Installation,Click 'Next' ,the following will be displayed

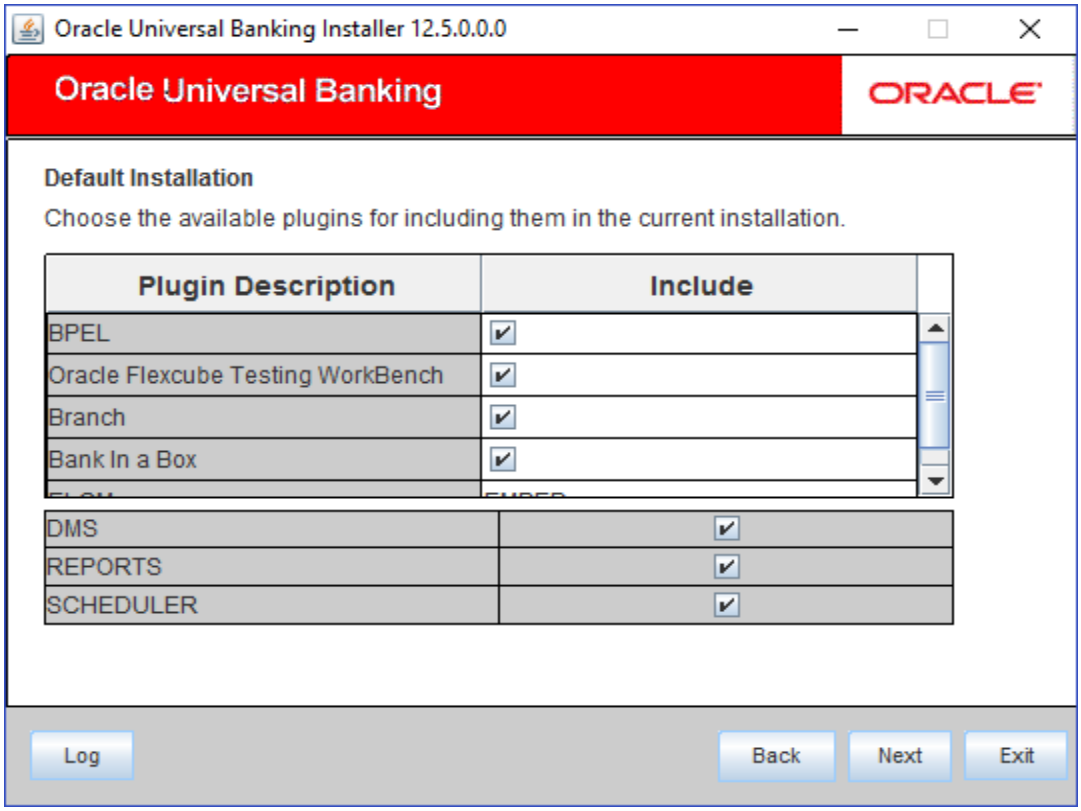


Click 'Centralized' option which is the only applicable for Default Installation and click next.

a. Setting Oracle Banking Payments Plug-ins for default Installation:

This section describes the process of setting plug-ins.

1. You can select the plug-ins from the following screen.



2. You need to select the plug-ins to be included in the installation. Check the box against the required plug-ins. The following plug-ins are available for Oracle Banking Payments:

   Branch

   BPEL

   Bank in a Box

   OFTW

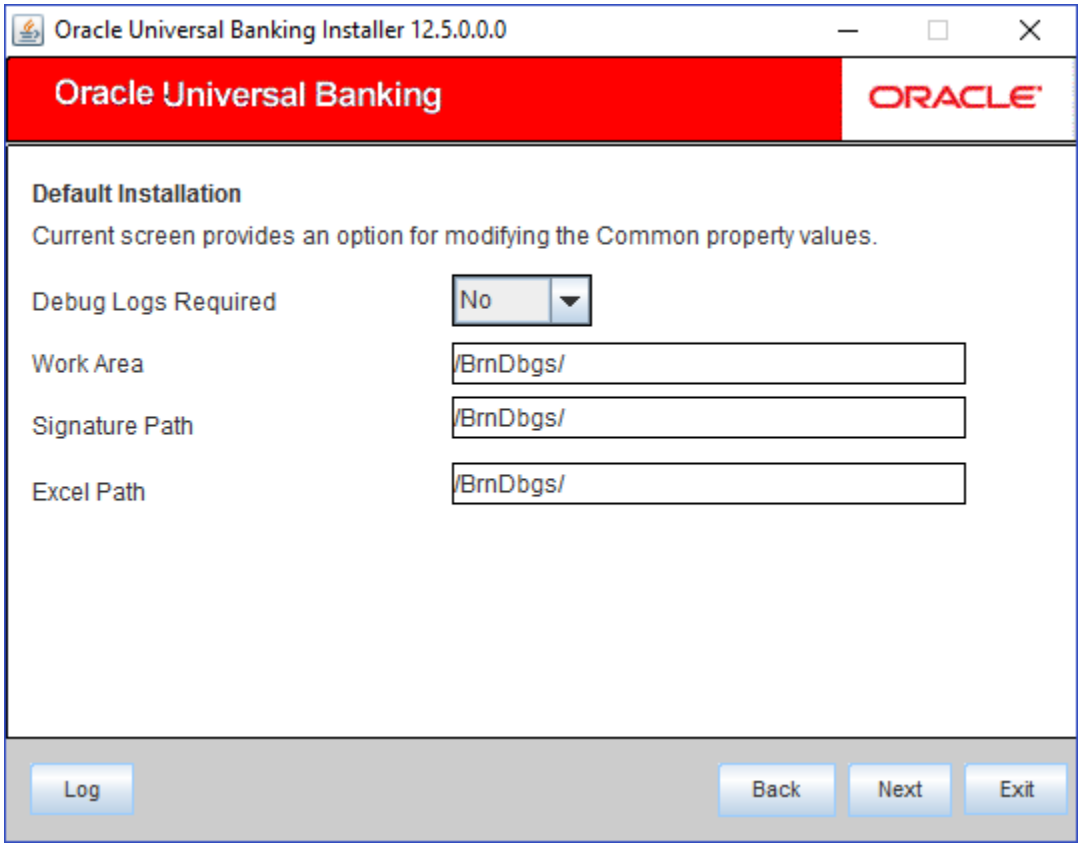
   Insulation

   ELCM

b. Setting Common Properties for Default Installation:

This section describes the process of setting common properties of Oracle Banking Payments.

3. The installer displays the 'Common Properties' screen.



4. Specify the following details:

Debug Logs Required

If you require debug option, select 'Yes' from the drop down list. If you do not require debug option, select 'No'.

Work Area

Specify the work area.

For example: D:\BrnDbgs\

Signature Path

Specify the location at which the signature images are placed.

Excel Path

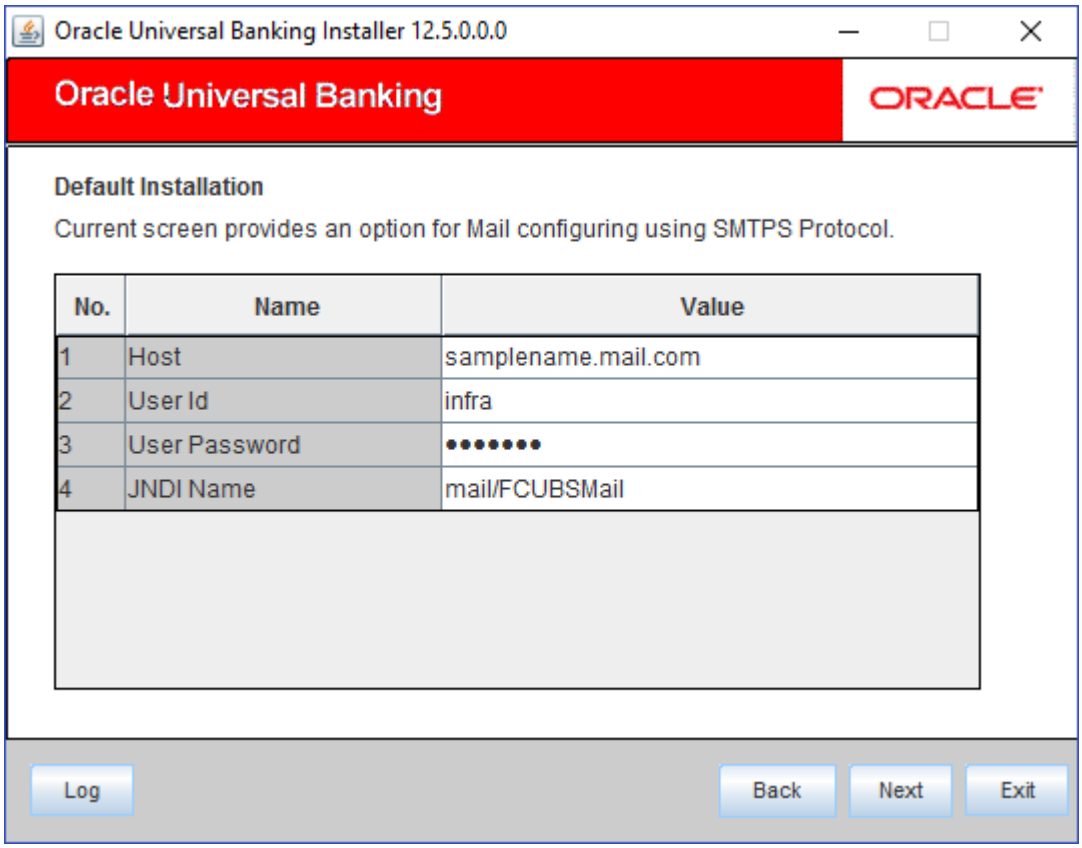
Specify the location at which the excel files are generated.

Click 'Next' and the following screen is displayed

c. Setting Email Details for Default Installation:

This section describes the method to configure email details.

5. The following screen is displayed:



Specify the following details:

Host

Specify the SMTP host name.

User ID

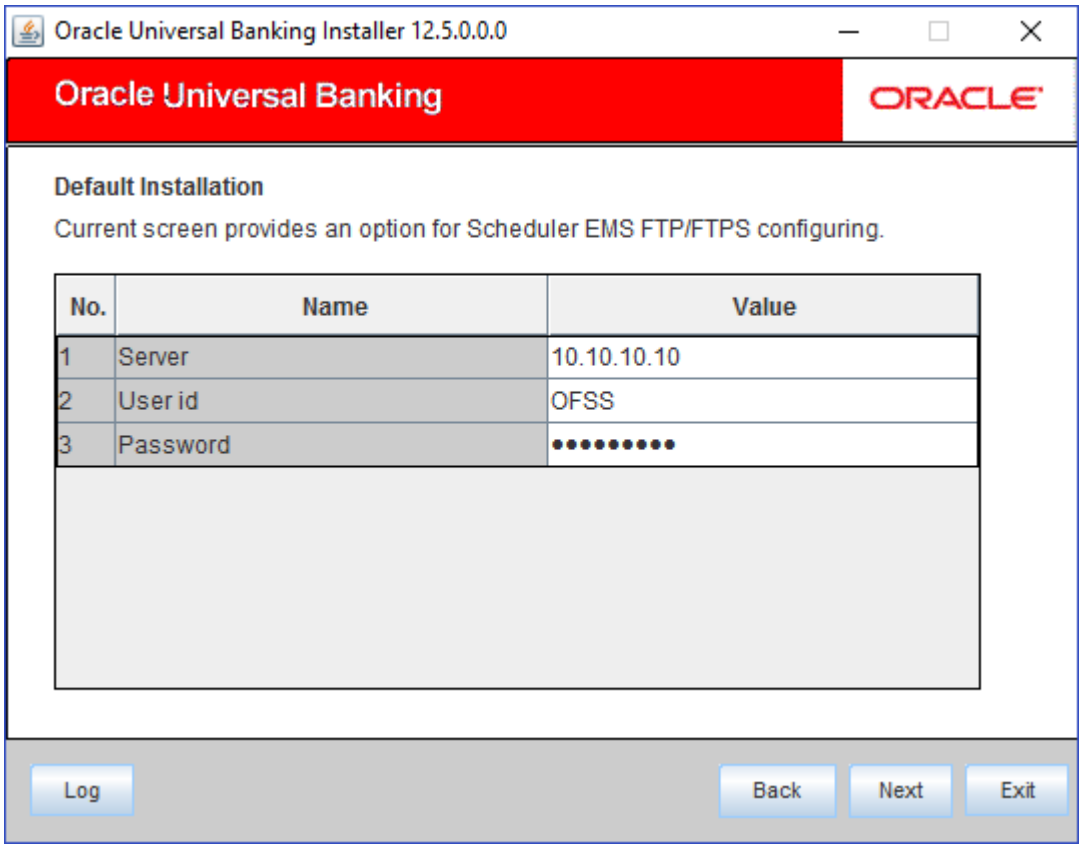
Specify the user ID.

User Password

Specify the user password.

JNDI Name
Specify the JNDI name

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



7. Specify the following details:

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.

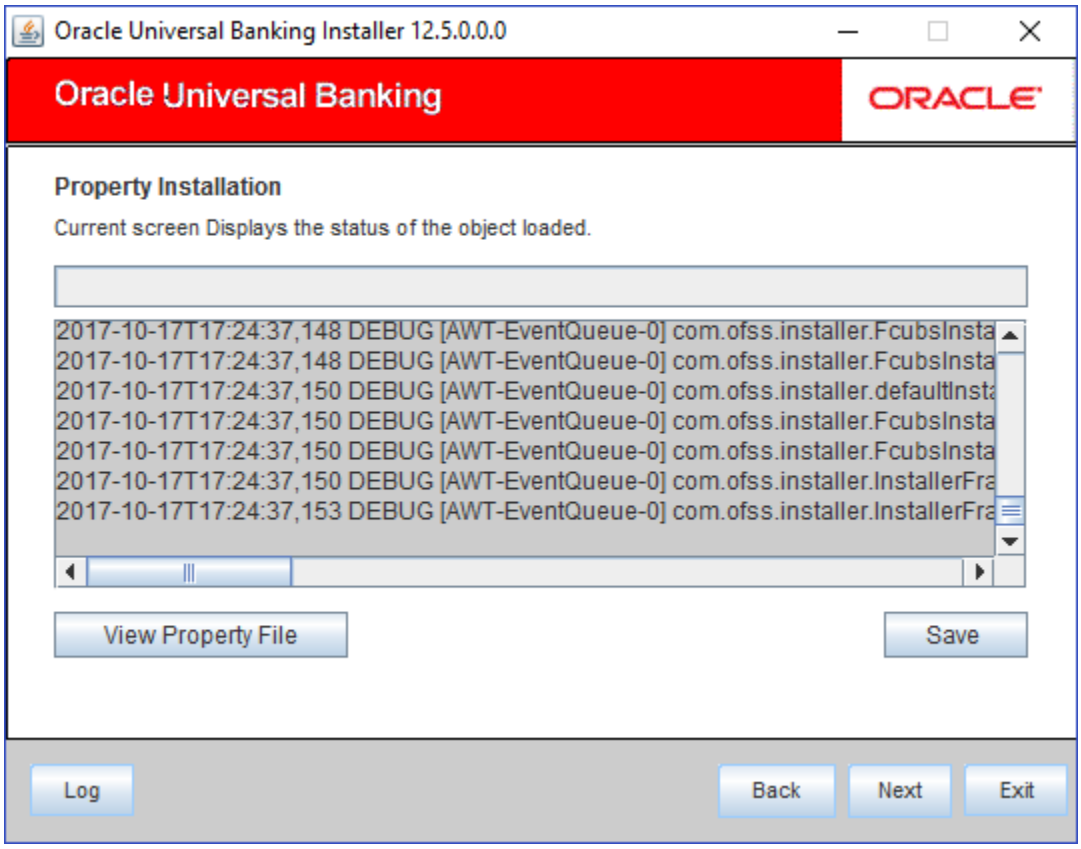
Password

Specify the password for the above user ID

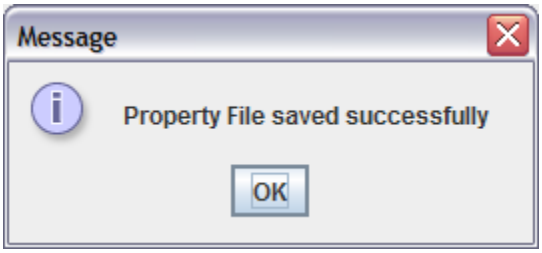
Saving Property File for Default Installation:

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

Save the property file.



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

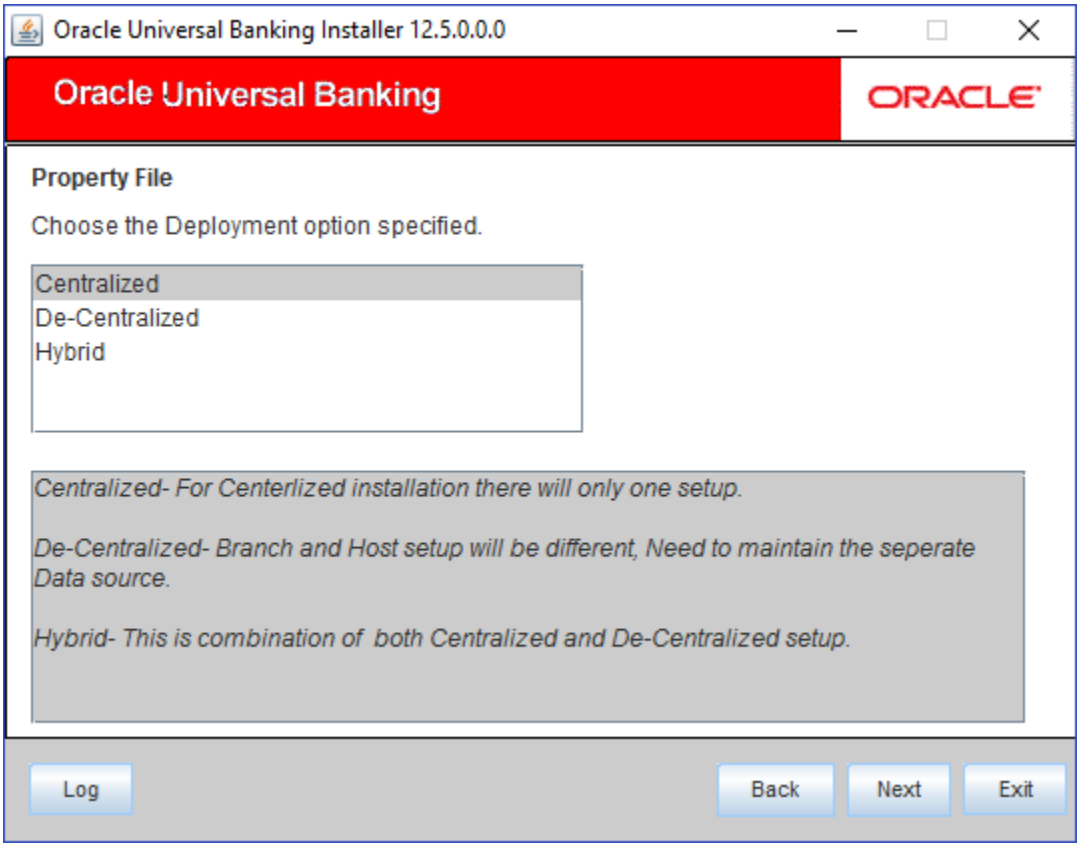


9. If 'Next' is clicked before 'Save' the property file will get saved in temporary folder.

This completes the properties file creation for default Installation.

1.2.2 Custom Installation

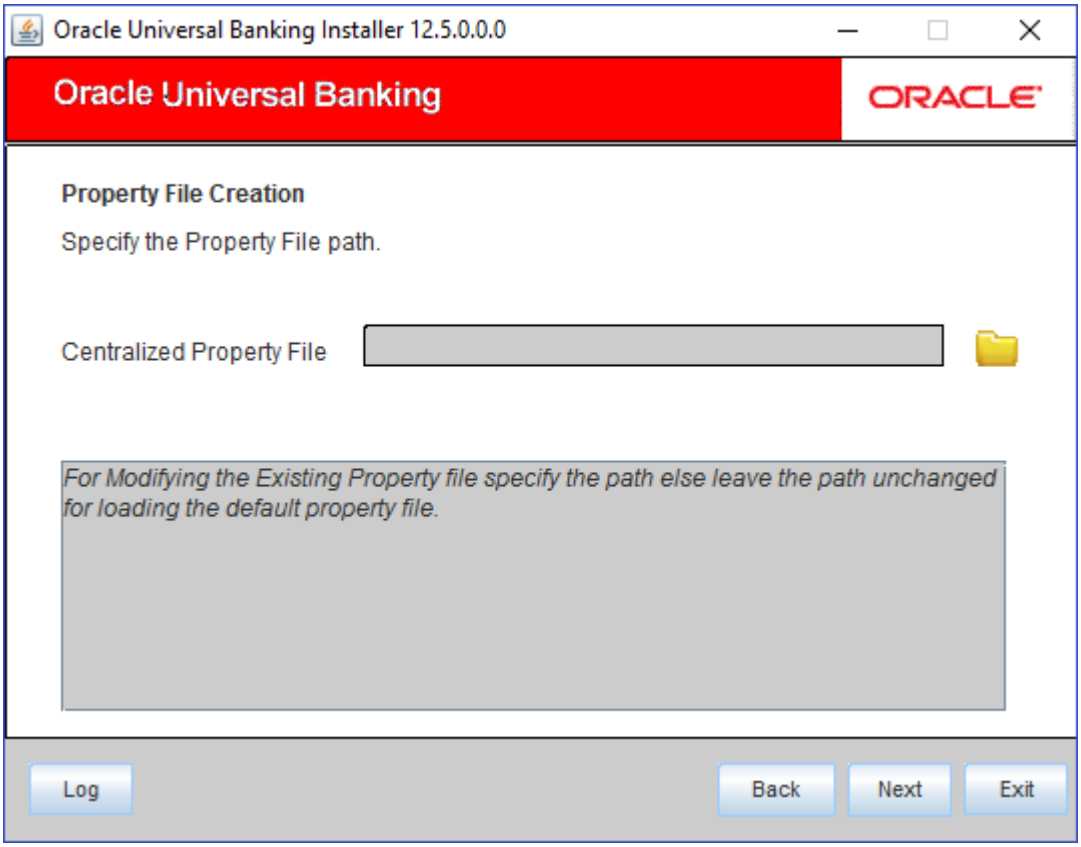
Custom – All details are to be provided.



10. Select the type of application deployment.

    Centralized.

11. In centralized deployment, the following screen is displayed:

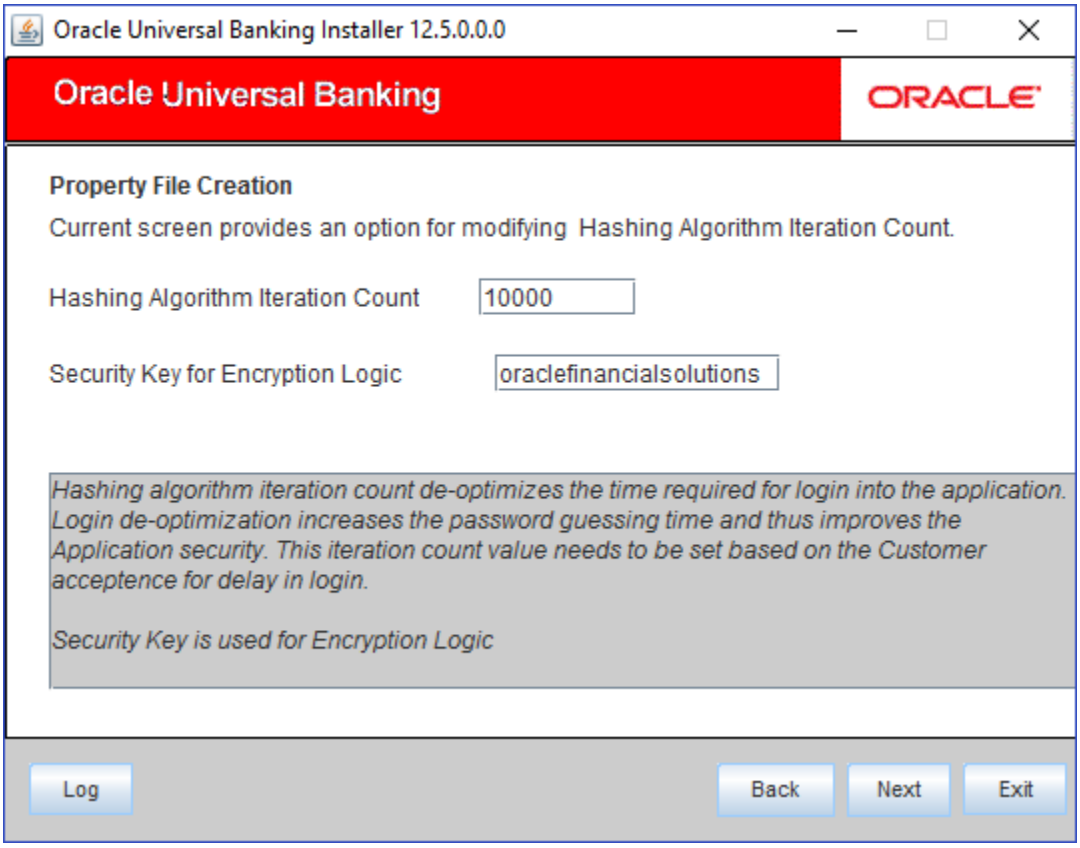


12. Specify the following details:

Centralized Property File

The property file needs to be built before the EAR file. If you are creating a new property file, leave the field blank. If you wish to modify an existing property file, you can manually specify the location of the property file.

You can use the directory button to browse and select the directory.

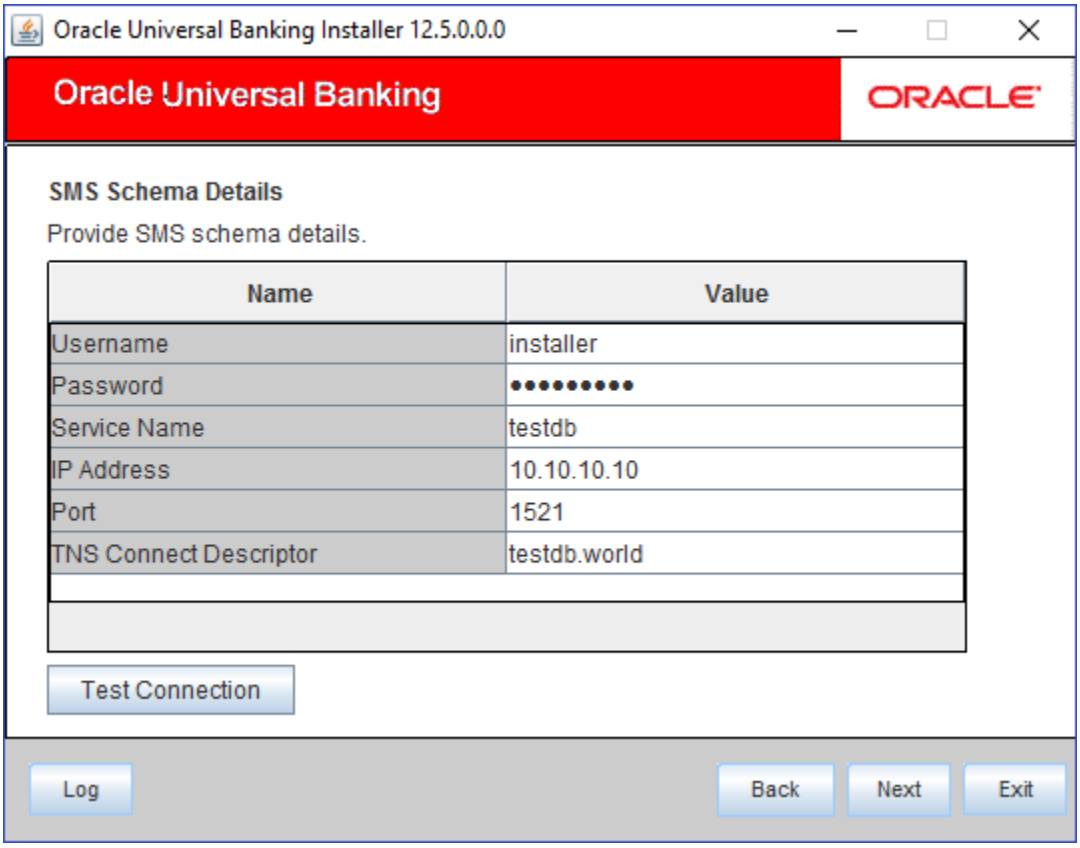


Hashing Algorithm Iteration Count

1. Specify the hashing algorithm iteration count. This count implies the time required for logging into the application. An increase in this count increases the login time.

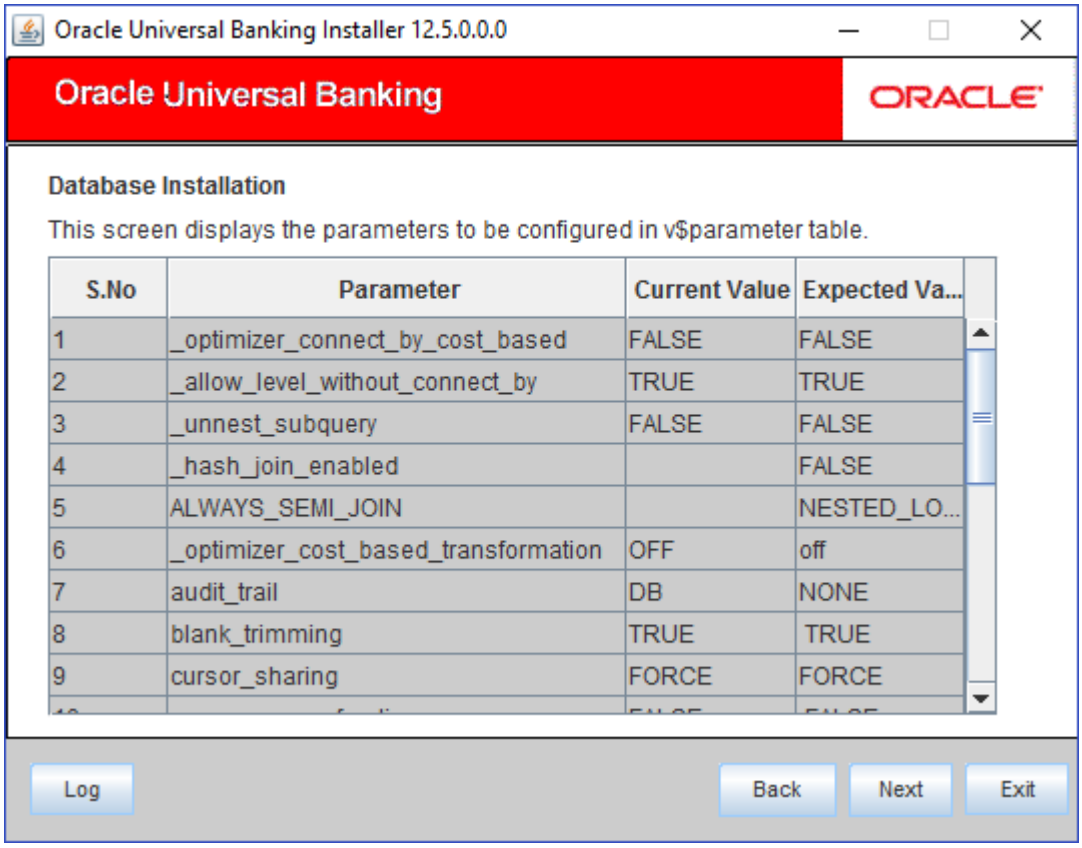
   'SYMMETRIC KEY' is the key (exact 24 characters) for all encryption logic.

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

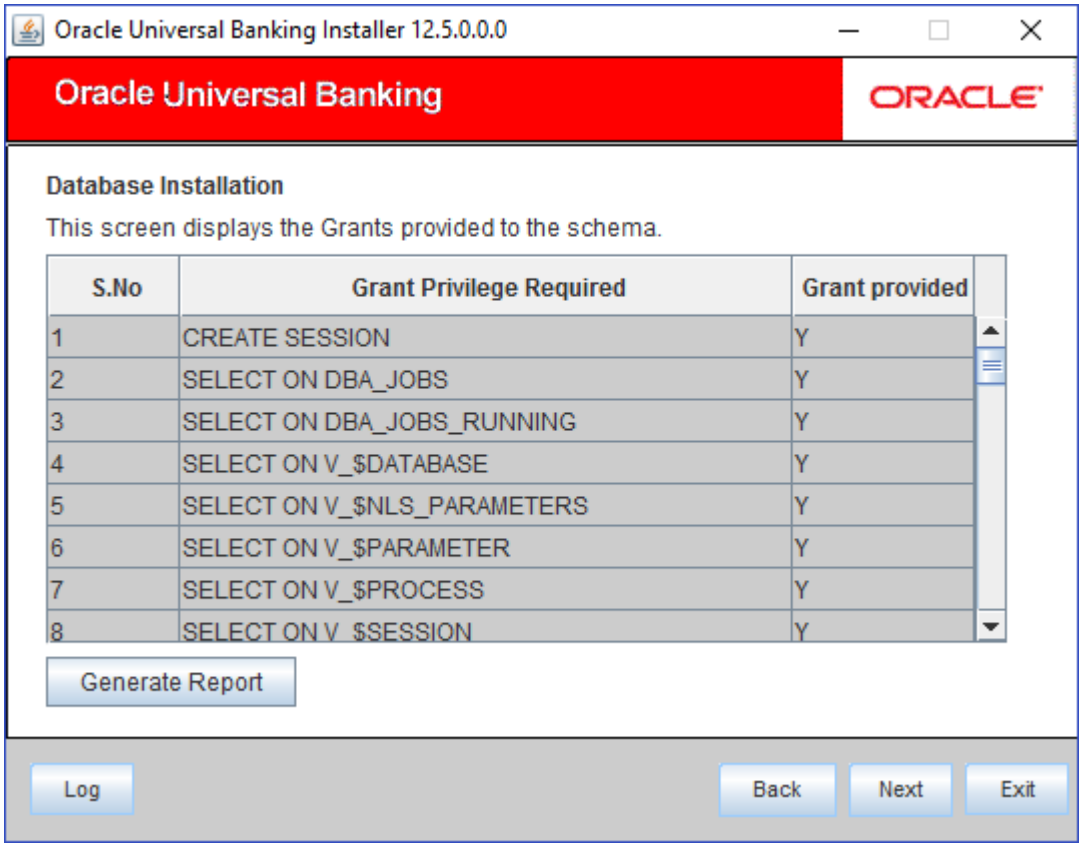


Provide the SMS schema details to capture the credentials which will be used for SMS DB Compilation.

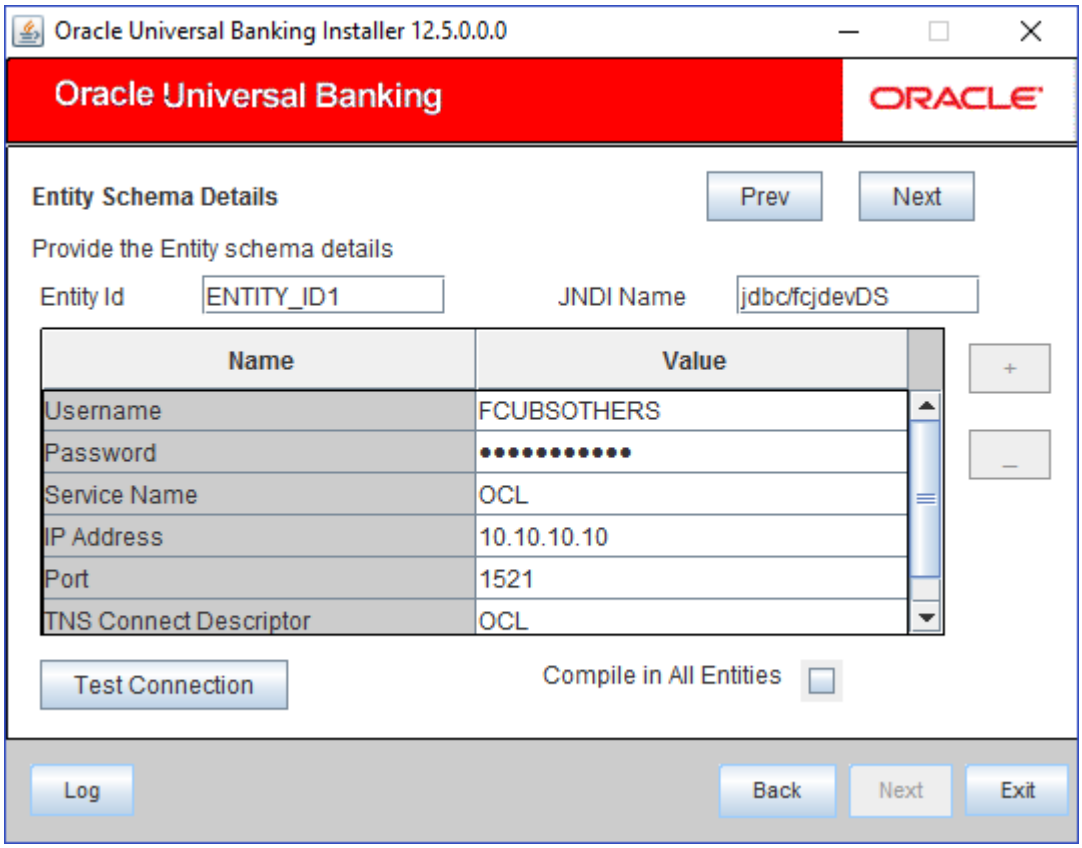
3. Click 'Next'.



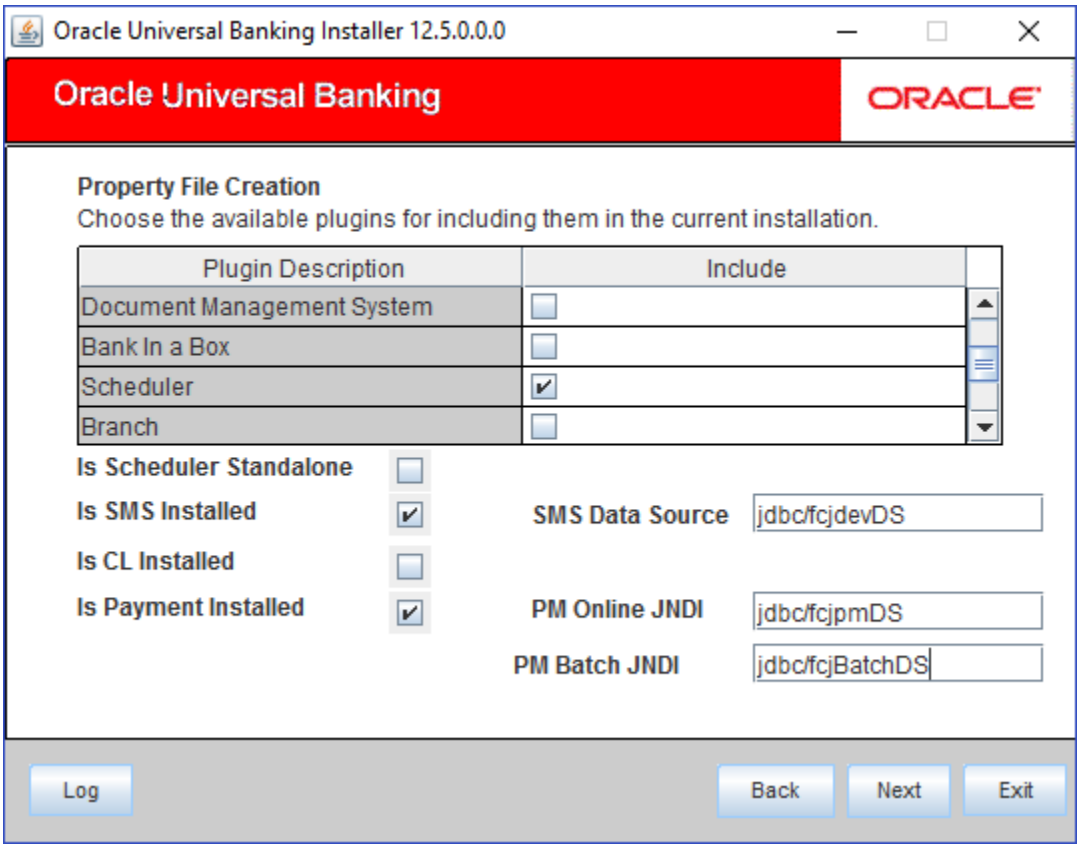
4. Click on 'Generate Report' . And provide the dba grants to the schema from 'Admin" user.


Oracle Universal Banking Installer 12.5.0.0.0
Oracle Universal Banking
ORACLE
Database Installation
This screen displays the Grants provided to the schema.
S.No
Grant Privilege Required
Grant provided
1
CREATE SESSION
Y
2
SELECT ON DBA_JOBS
Y
3
SELECT ON DBA_JOBS_RUNNING
Y
4
SELECT ON V_$DATABASE
Y
5
SELECT ON V_$NLS_PARAMETERS
Y
6
SELECT ON V_$PARAMETER
Y
7
SELECT ON V_$PROCESS
Y
8
SELECT ON V_$SESSION
Y
Generate Report
Log
Back
Next
Exit

5. Click Next.


Oracle Universal Banking Installer 12.5.0.0.0
Oracle Universal Banking
ORACLE
Entity Schema Details
Prev
Next
Provide the Entity schema details
Entity Id
ENTITY_ID1
JNDI Name
jdbc/fcjdevDS
Name
Value
Username
FCUBSOTHERS
Password
Service Name
OCL
IP Address
10.10.10.10
Port
1521
TNS Connect Descriptor
OCL
Test Connection
Compile in All Entities
Log
Back
Next
Exit

6. Provide Payments schema details with JNDI name and click on next.
7.



8. You need to select the plug-ins to be included in the payment installation. Check the box against the required plug-ins for payments i.e. **Scheduler**.
9. If scheduler is required then, one can chose if scheduler is required as standalone.
10. If scheduler is required as a standalone application then "**Is Standalone Scheduler**" check box has to be checked and provide the mandatory URL value
11. **Is Payment Installed** has to be checked and JNDI NAME need to specify For Payment Installation.

    Two Payments JNDI is included:

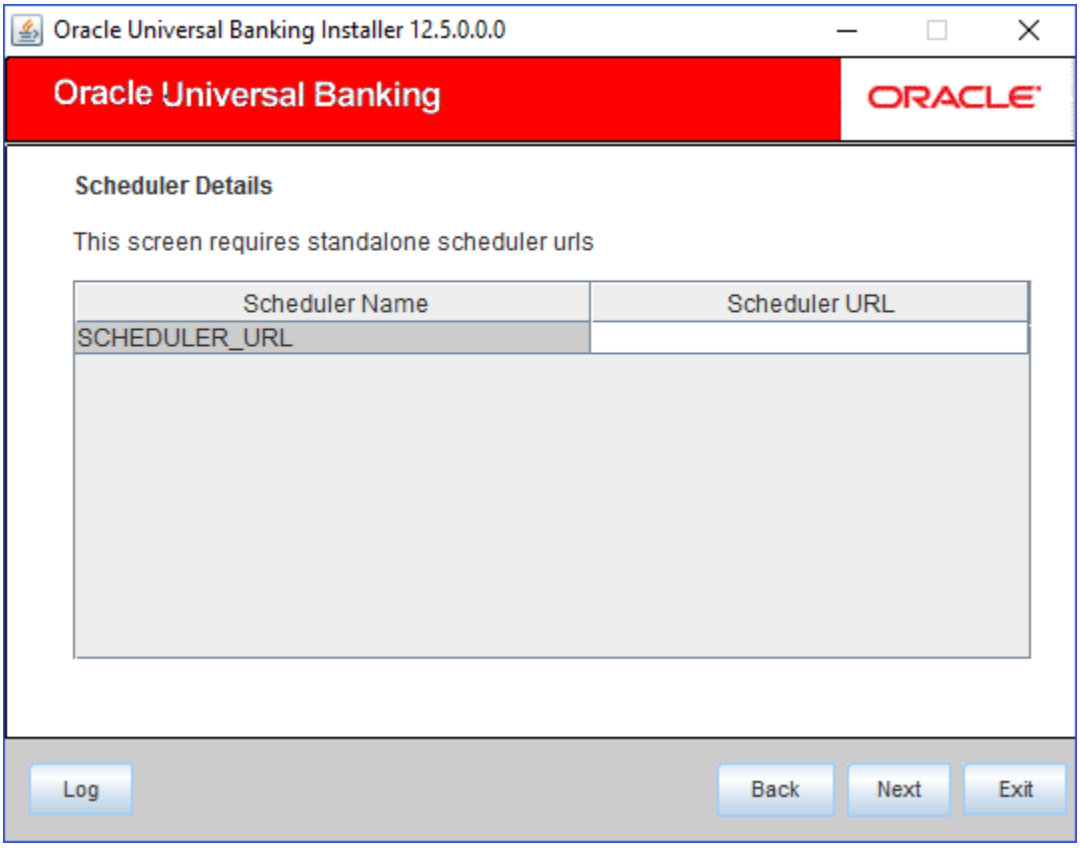
    PM_ONLINE_JNDI - JNDI Data Source for Online Transaction

    PM_BATCH_JNDI - JNDI Data Source For Batch Transaction

12. Similarly, **Is SMS Installed** has to be checked and JNDI NAME need to specify For SMS Installation.

NOTE : Here SMS_DataSource Name is mapped same as Core_DataSource.

Here **PM_JNDI_NAME** and **SM_JNDI_NAME** field cannot be NULL.



Scheduler URL: The value for the URL should be the scheduler URL that will be available once scheduler application is deployed.

Note: If Scheduler is standalone, property file and EAR for standalone scheduler has to be built the option available in the installer (Refer Scheduler_Property_File_Creation.pdf and Scheduler_EAR_Building.pdf)

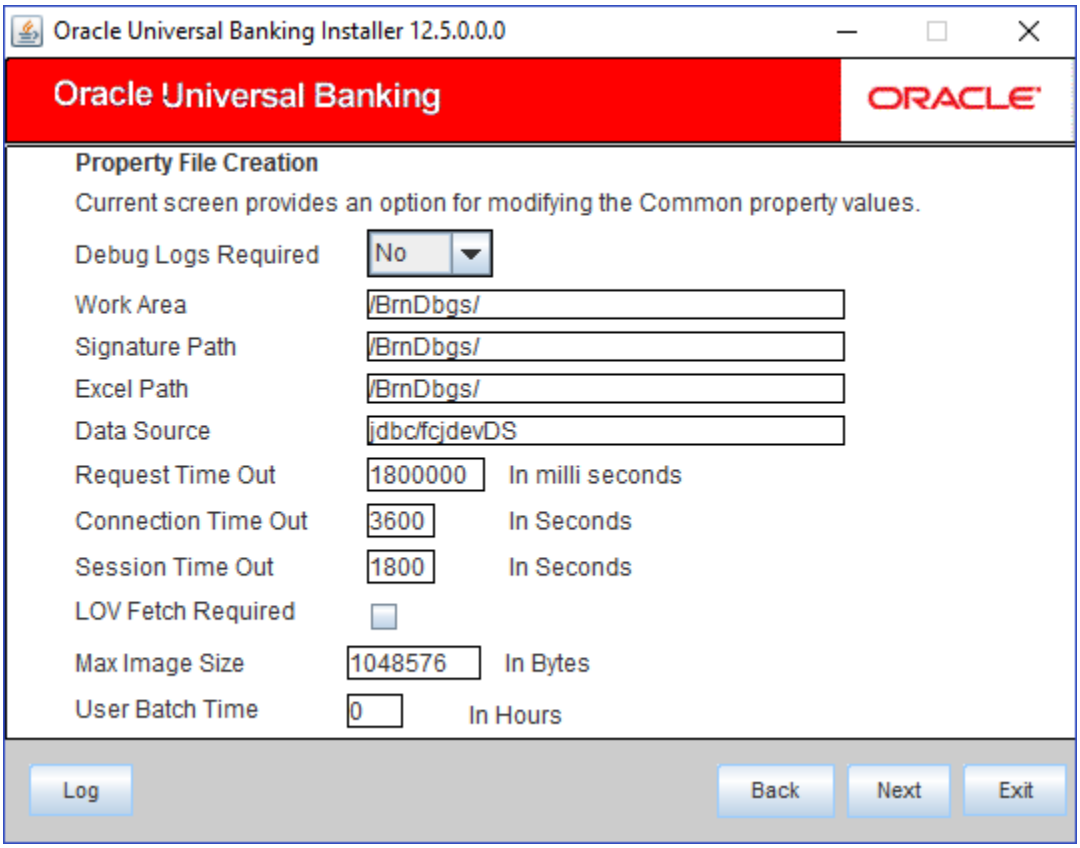
Note the following:

The Installer allows you to set the properties for the selected plug-ins only.

1.2.3 Setting Common Properties

This section describes the process of setting common properties of Oracle Banking Payments.

1. The installer displays the 'Common Properties' screen.



2. Specify the following details:

Debug Logs Required

If you require debug option, select 'Yes' from the drop-down list. If you do not require debug option, select 'No'.

Work Area

Specify the work area.

For example: D:\BrnDbgs\

Excel Path

Specify the location at which the excel files are generated.

Data Source

Specify the JNDI location. The standard format is 'jdbc/fcjdevDS'.

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.

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 expired.

LOV Fetch Required

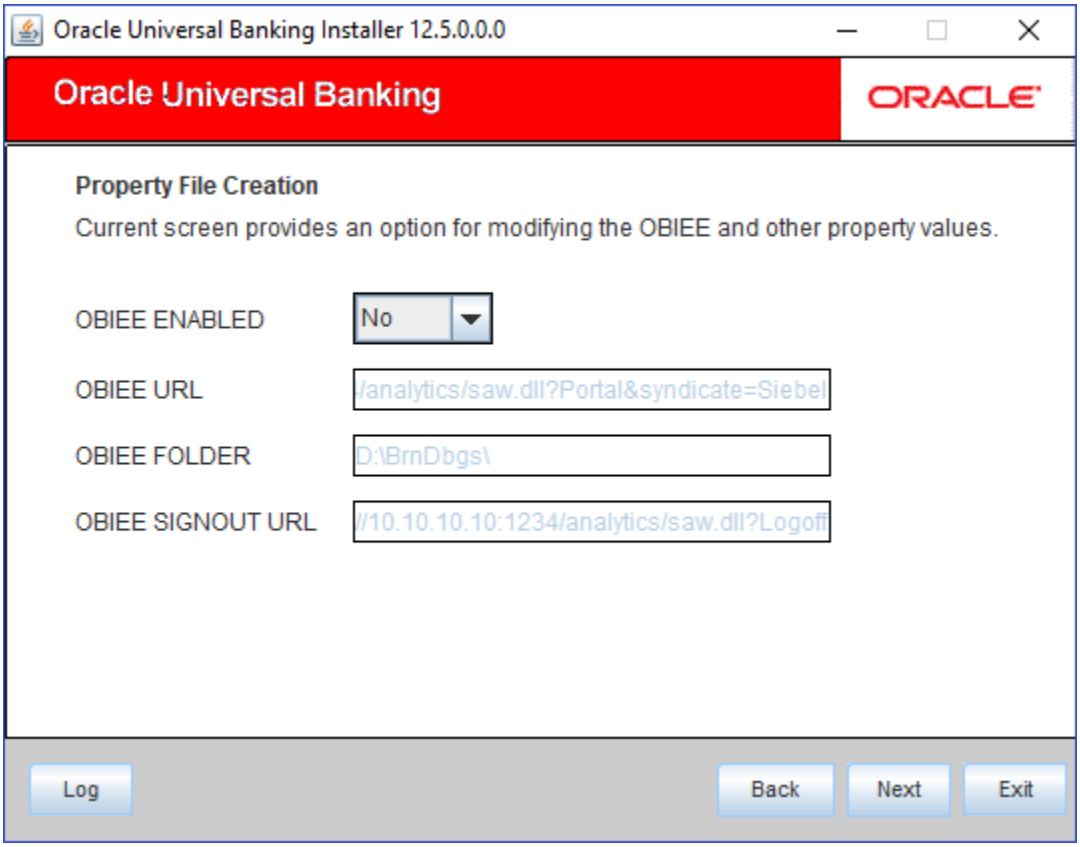
If you check this box, the option lists in Oracle Banking Payments displays the matching values based on the first characters that you enter in a field. If you specify the first three characters of a value to be entered in an option list and tab out, the system displays the complete list of values that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

Max Image Size

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

Click 'Next' and the following screen is displayed:



OBIEE Enabled

Chose Yes/No from the drop down box

OBIEE URL

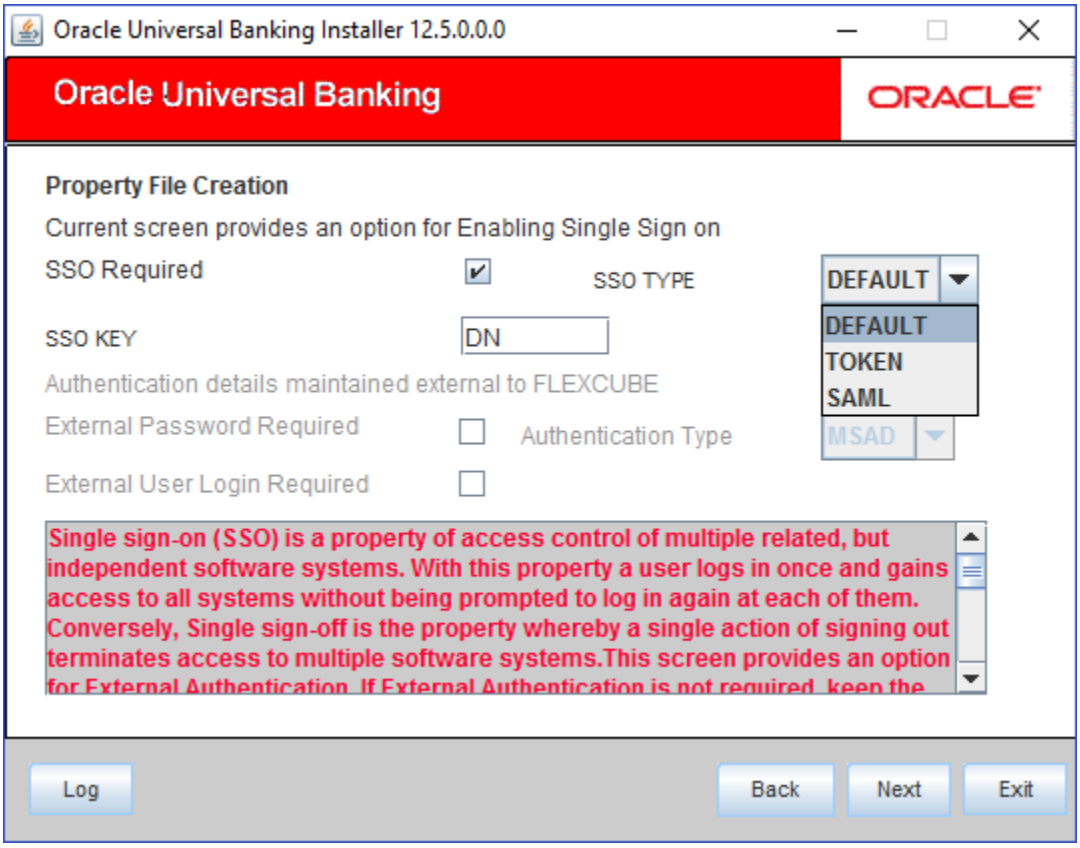
Provide OBIEE URL path

OBIEE Folder

Provide a folder path at the application server level

OBIEE SIgnout URL

Provide OBIEE signout URL.



3. Specify the following details:

SSO Required

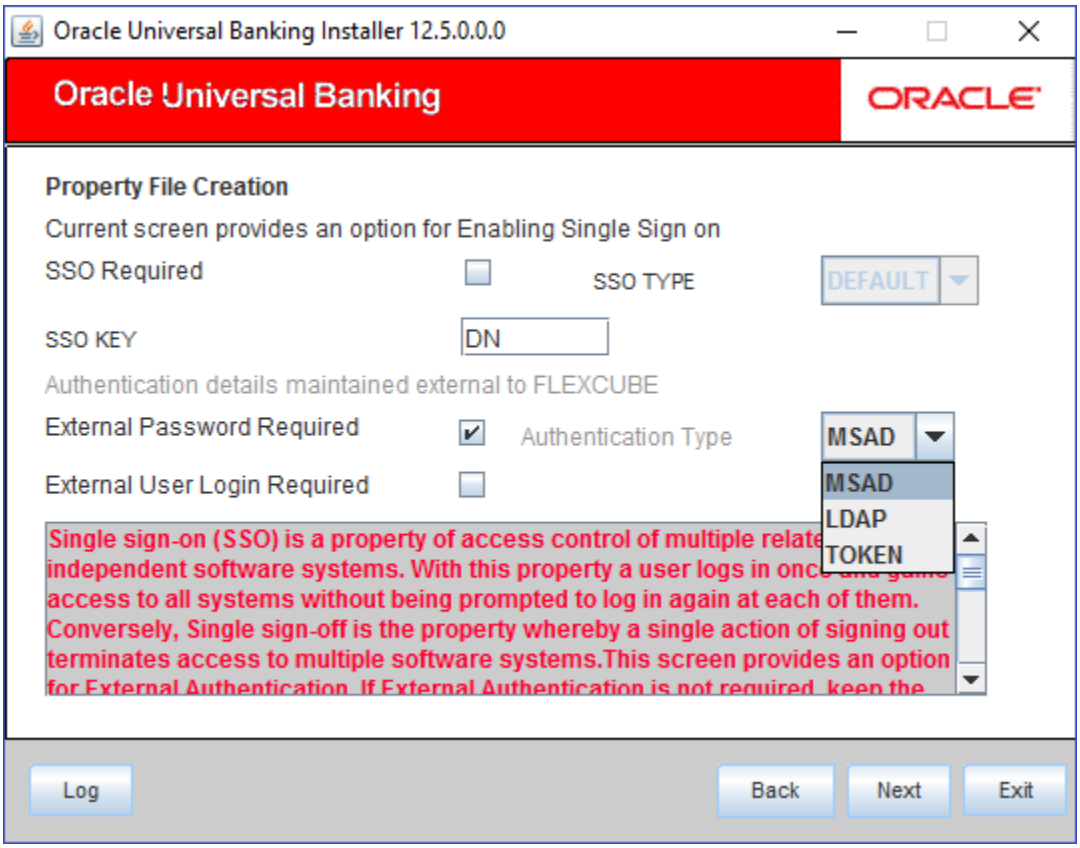
Check this box to enable single sign-on (SSO). If you check this box, you need to enter the SSO Key and the SSO Type.

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:



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.

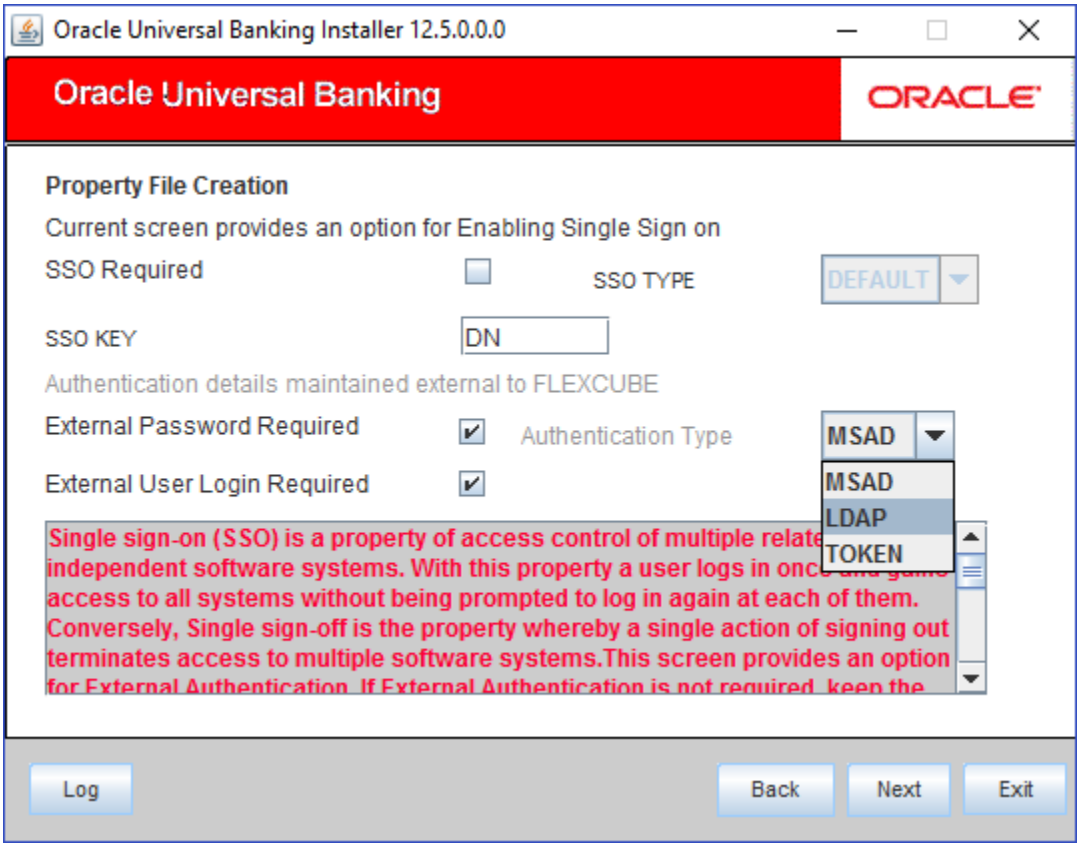
By default, this check box is unchecked. However, you can change this.

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.



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

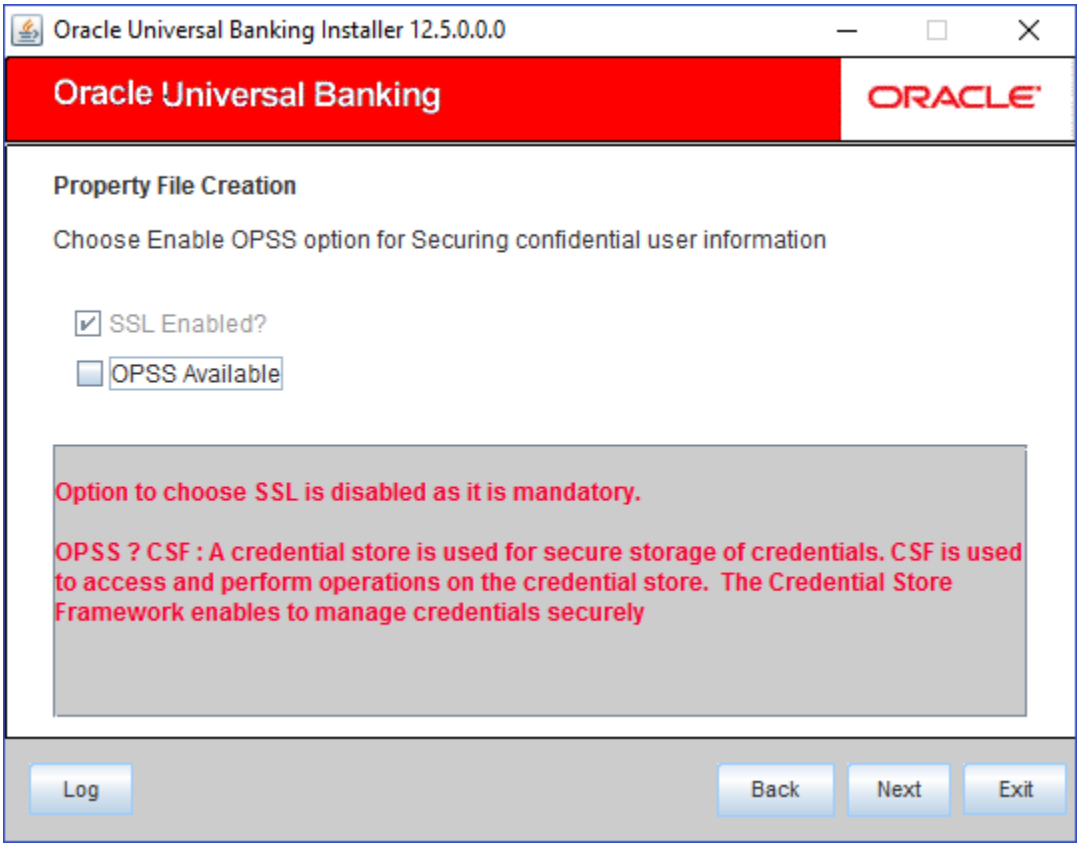
Select the authentication type from the adjoining drop-down list. This is the type of external server that is used. You can select one of the following options:

MSAD (Microsoft Active Directory)

LDAP (Lightweight Directory Access Protocol)

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

Click 'Next' and the following screen is displayed:



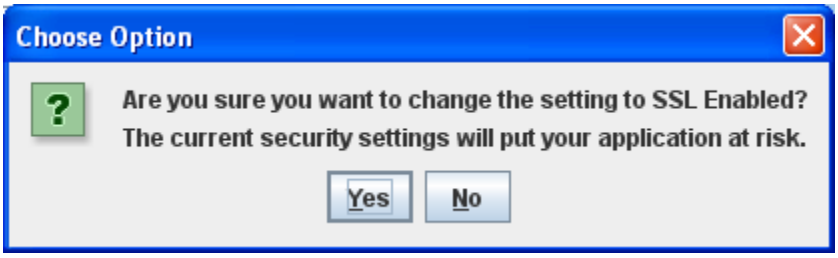
4. Specify the following details.

   OPSS is available only for weblogic and is not supported for Websphere.

   IF OPSS available is checked for weblogic the symmetric key is not stored in the property file for security reasons.If OPSS available is unchecked, the symmetric key is available in the property file and a warning message is displayed to the user.

SSL Enabled

Indicate whether SSL is enabled or not. If SSL is required, choose 'Yes'. If SSL is not enabled, the Installer displays the following screen:



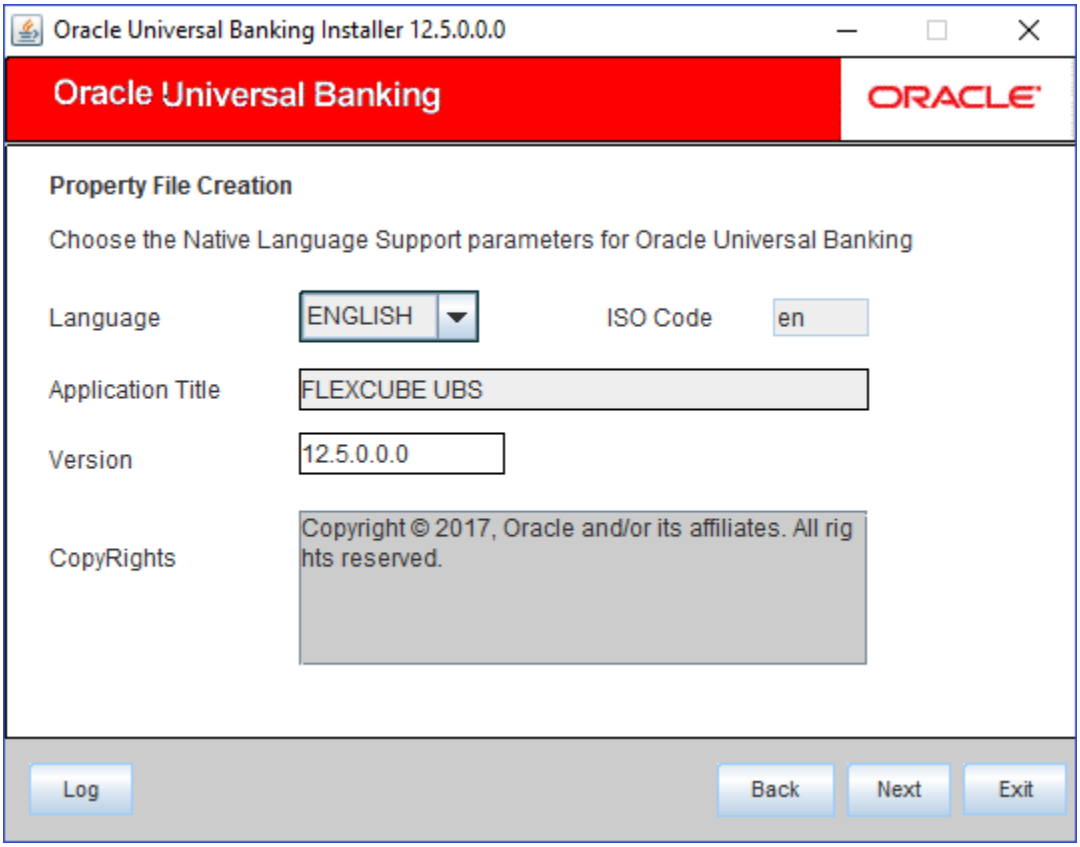
It is recommended that you enable SSL.

Click 'Next' and the next screen is displayed.

1.2.4 Setting Language Properties

This section describes the process of setting language packs of Oracle Banking Payments.

1. The system displays the following screen.



2. Specify the following details.

Language

Specify the language in which you wish to see Oracle Banking Payments. 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.

E.g.: 簡Oracle Banking Payments

Version

Specify the application version.

E.g.: 12.5.0.0.0

Copy Rights

Specify the copyright details.

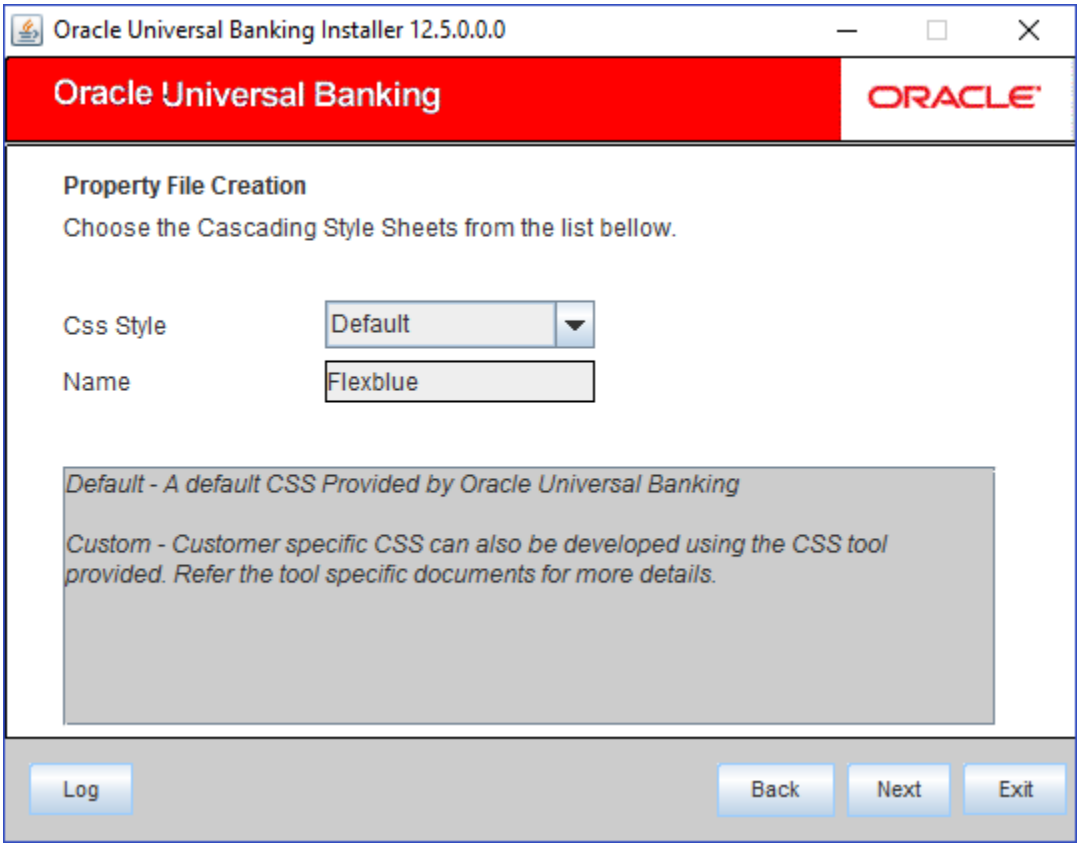
E.g.: Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

3. Once you have specified the details, click 'Next' and the system displays the CSS setting screen.

1.2.5 Setting CSS Style

This section describes the process of setting CSS style.

1. System displays the following screen:


Oracle Universal Banking Installer 12.5.0.0.0
Oracle Universal Banking
ORACLE
Property File Creation
Choose the Cascading Style Sheets from the list bellow.
Css Style
Default
Name
Flexblue
Default - A default CSS Provided by Oracle Universal Banking
Custom - Customer specific CSS can also be developed using the CSS tool provided. Refer the tool specific documents for more details.
Log
Back
Next
Exit

ORACLE

2. 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:

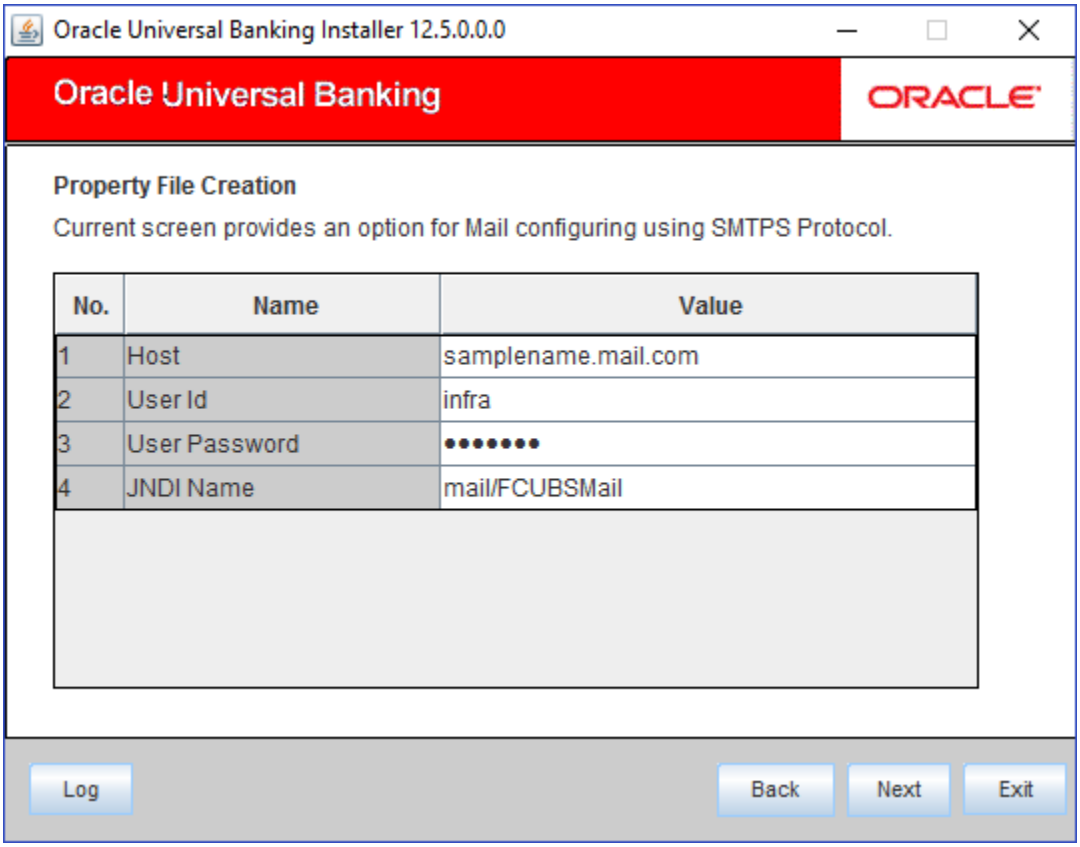
Default – select this to apply the default style provided along with Oracle Banking Payments

Custom – select this to apply a custom style

Name

Specify the name of the CSS style.

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



4. 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.

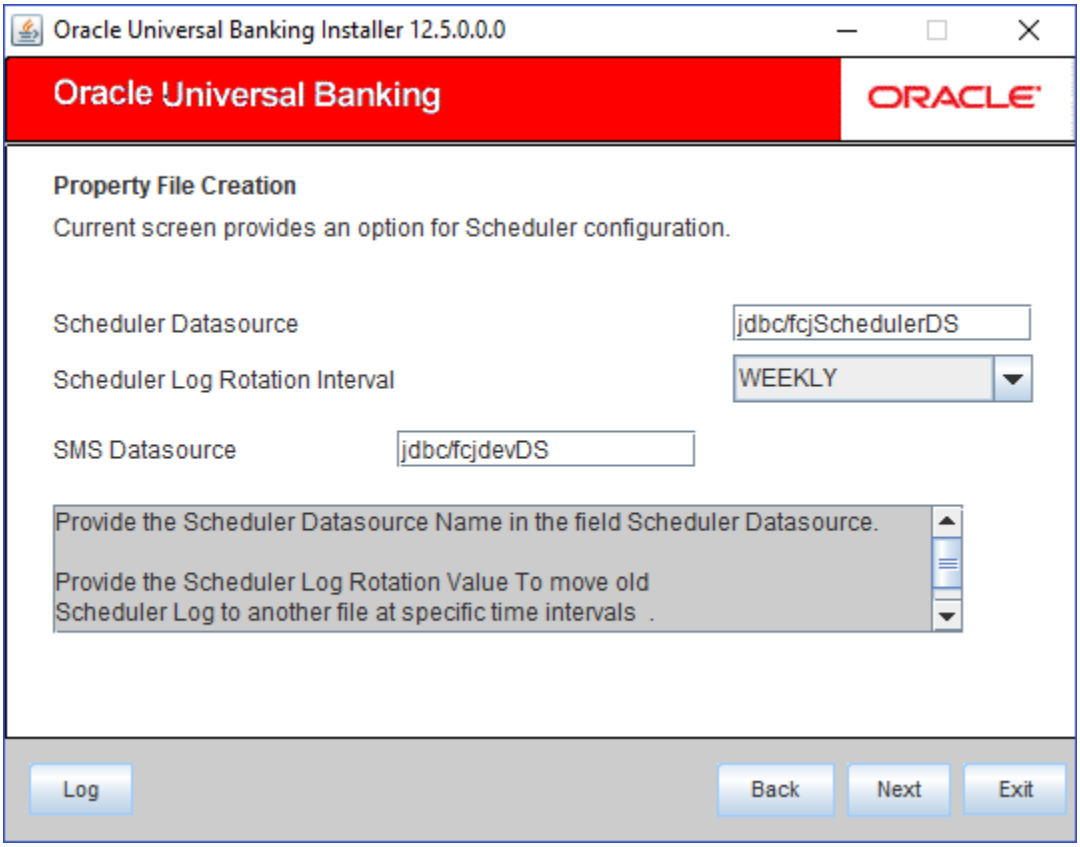
5. Once you have specified the above details, click 'Next' and system displays the next screen.

1.2.6 Configuring Scheduler

If scheduler standalone is chosen during plug-in selection time, all the below screens mentioned under scheduler configuration will not be applicable

This section describes the method to configure scheduler data source.

1. System displays the following screen:



2. Specify the following details:

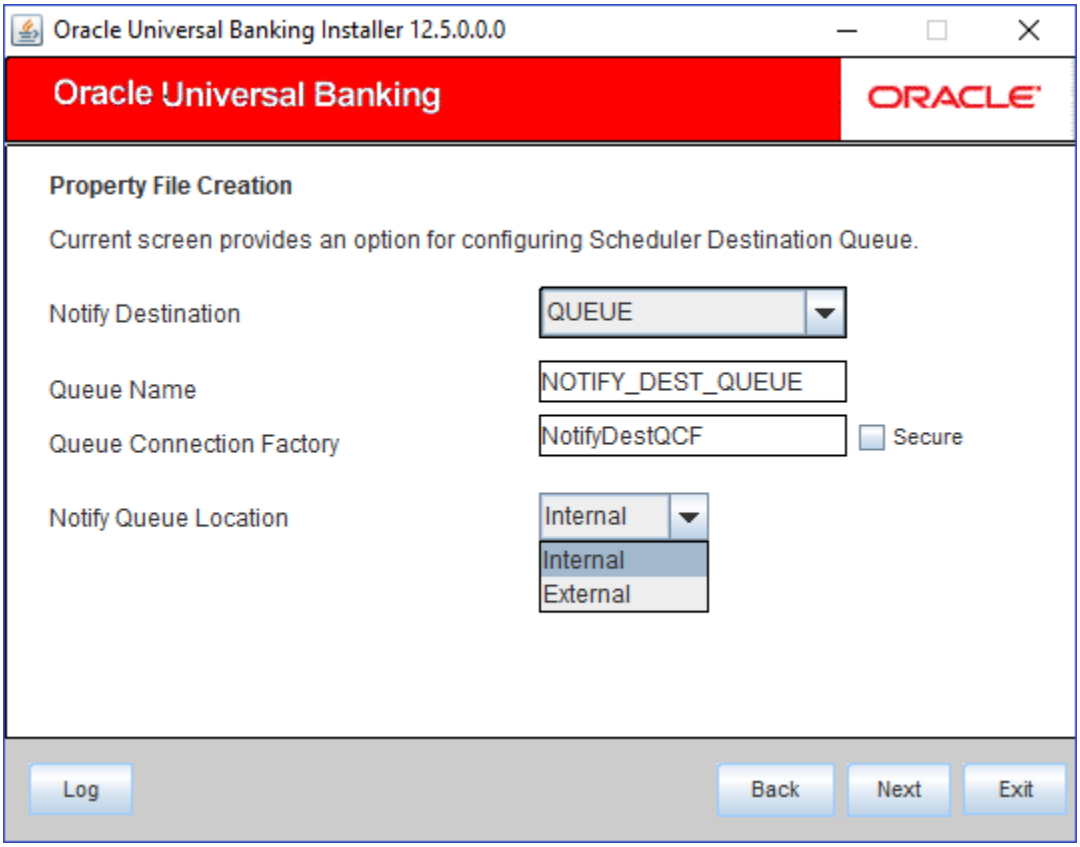
Scheduler Datasource

Specify the scheduler data source that Oracle Banking Payments will access.

Scheduler Log Rotation Interval

Select the interval between each rotation of scheduler log.

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



4. Specify the following details:

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

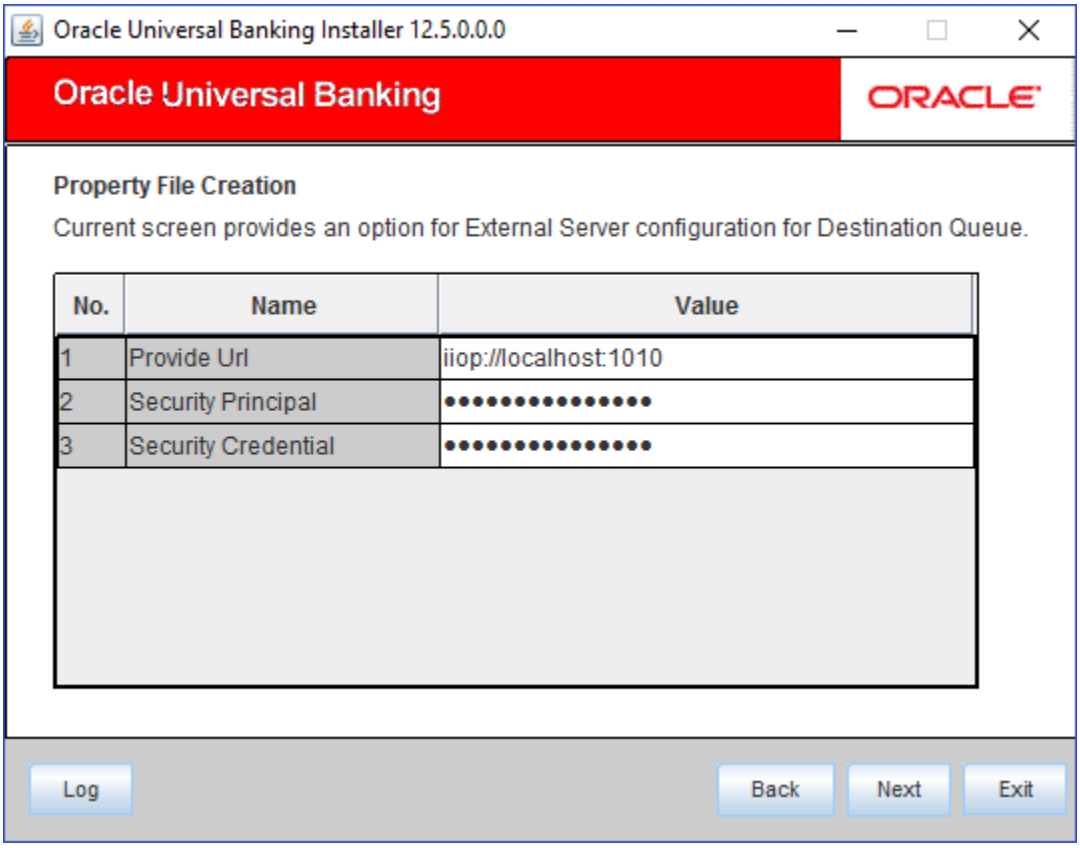
Specify the notify queue location. Select one of the following options:

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.

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



6. 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

Application Server	EMS Out Initial Context Factory
	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.

7. 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.

8. Specify the following details:

Notify Deffered Queue Name

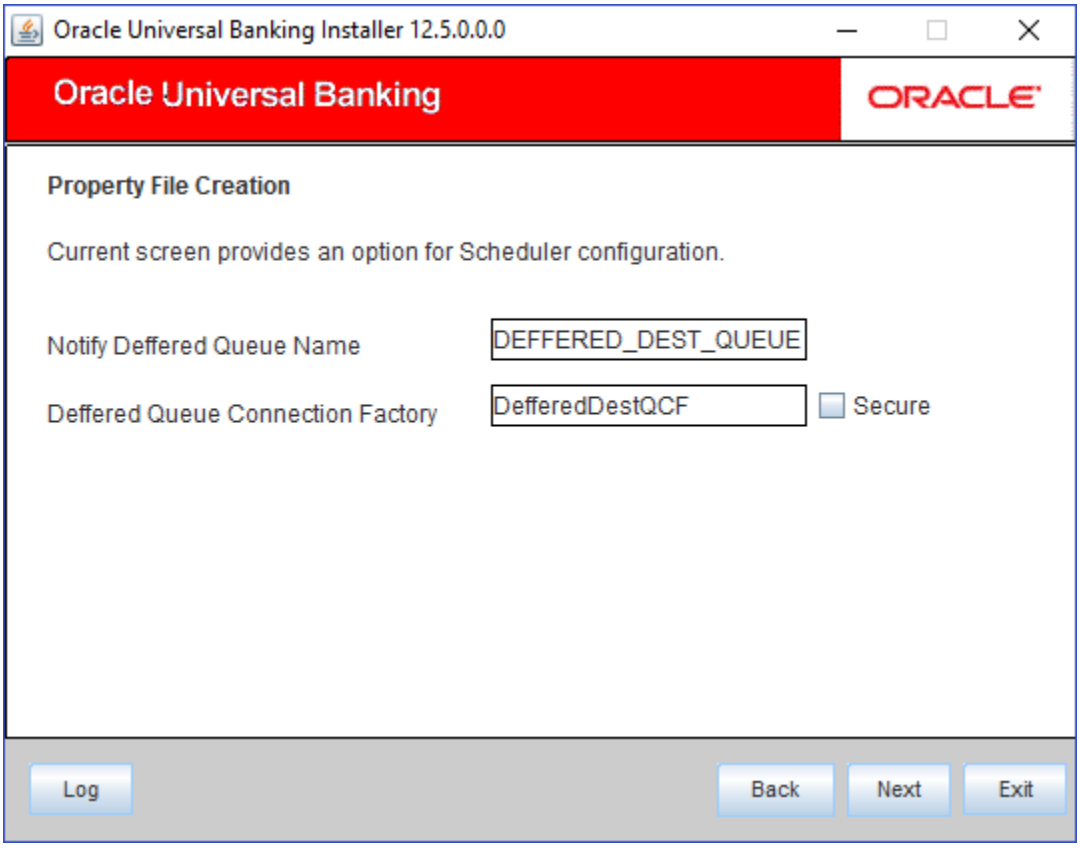
Set 'DEFFERED_DEST_QUEUE' as the notify differed queue name.

Deffered Queue Connection Factory

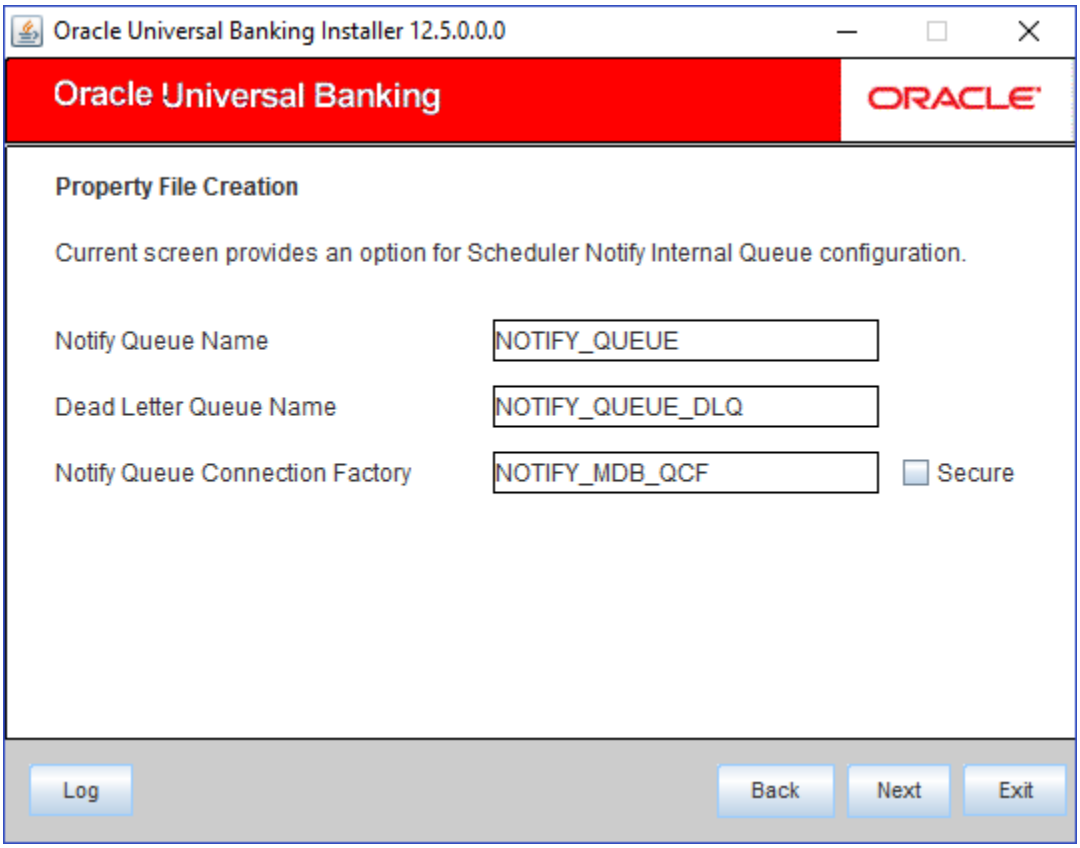
Set 'DefferedDestQcf' as the deffered queue connection factory.

Secure

Check this box to indicate that it is a secured deffered 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.



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


Oracle Universal Banking Installer 12.5.0.0.0
Oracle Universal Banking
ORACLE
Property File Creation
Current screen provides an option for Scheduler Notify Internal Queue configuration.
Notify Queue Name
NOTIFY_QUEUE
Dead Letter Queue Name
NOTIFY_QUEUE_DLQ
Notify Queue Connection Factory
NOTIFY_MDB_QCF
Secure
Log
Back
Next
Exit

ORACLE

10. 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.

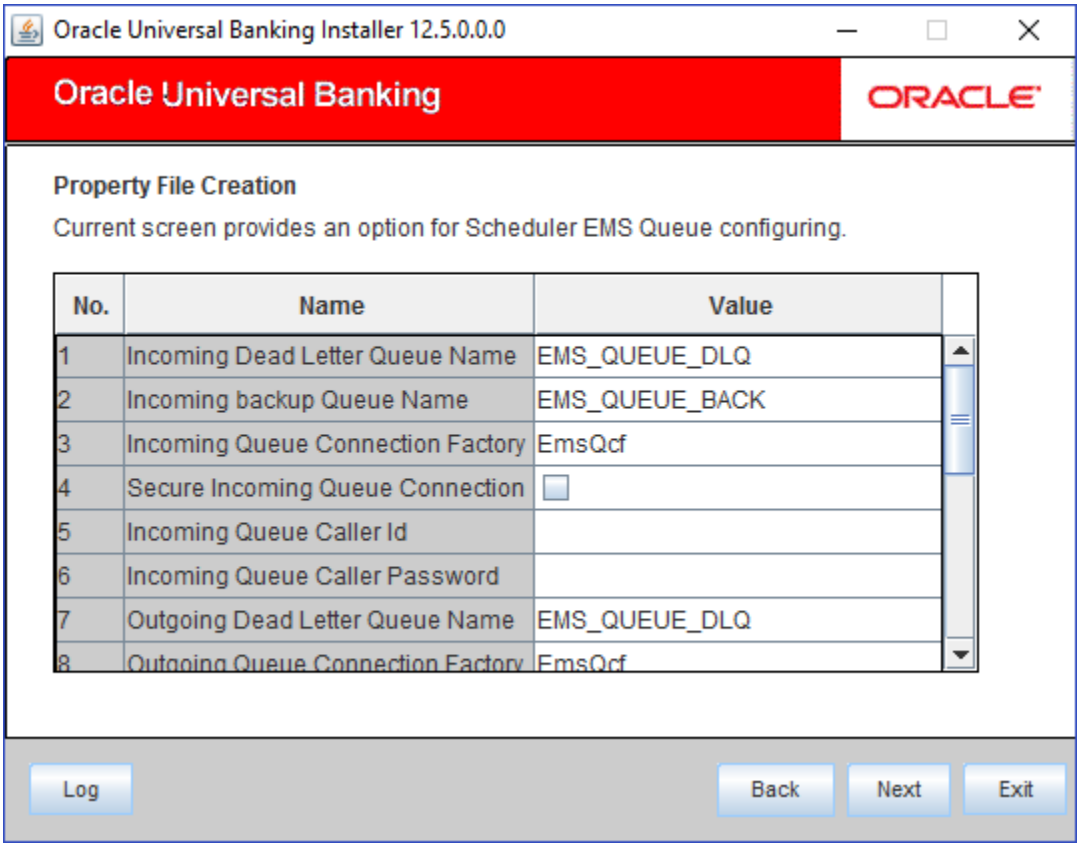
Notify Queue Connection Factory

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.

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



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

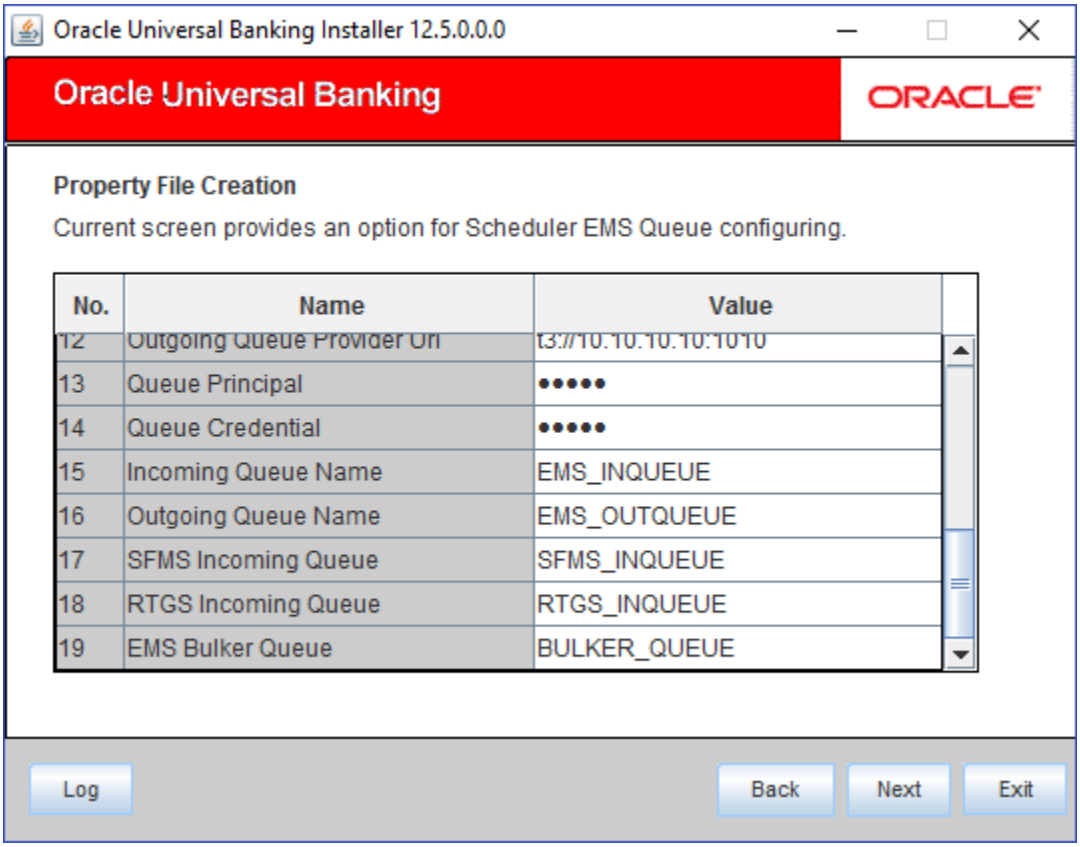
Specify the caller ID for the secured queue connection.

Outgoing Queue Caller Password

Specify the caller Password for the secured queue connection.

Outgoing Queue Provider URL

Specify the URL of the outgoing queue.



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

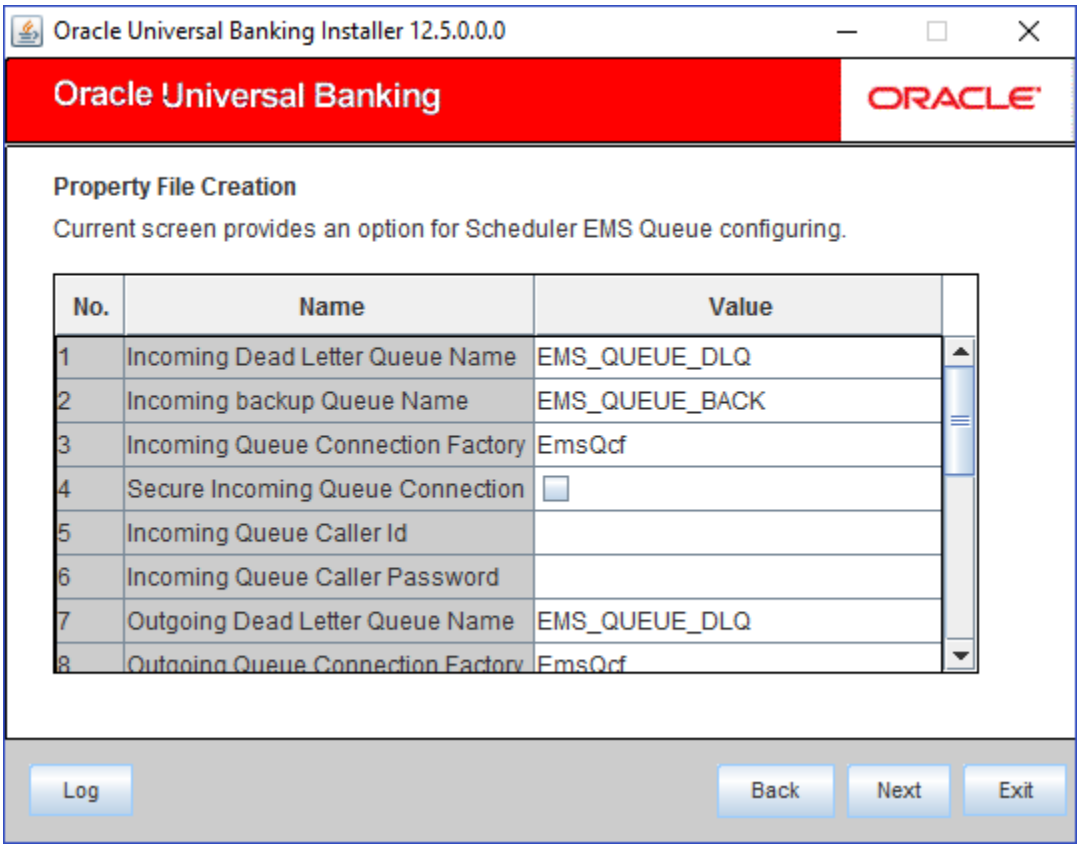
Specify the Bulker Queue name as **BULKER_QUEUE**. So that in fcubs.properties file, EMS_BULKER_QUEUE field gets updated to 'BULKER_QUEUE' value.

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

1.2.7 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:



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	iiop://<ip_adress>:port E.g.: iiop://10.10.10.10:1010 Here, 1010 represents the default iiop port

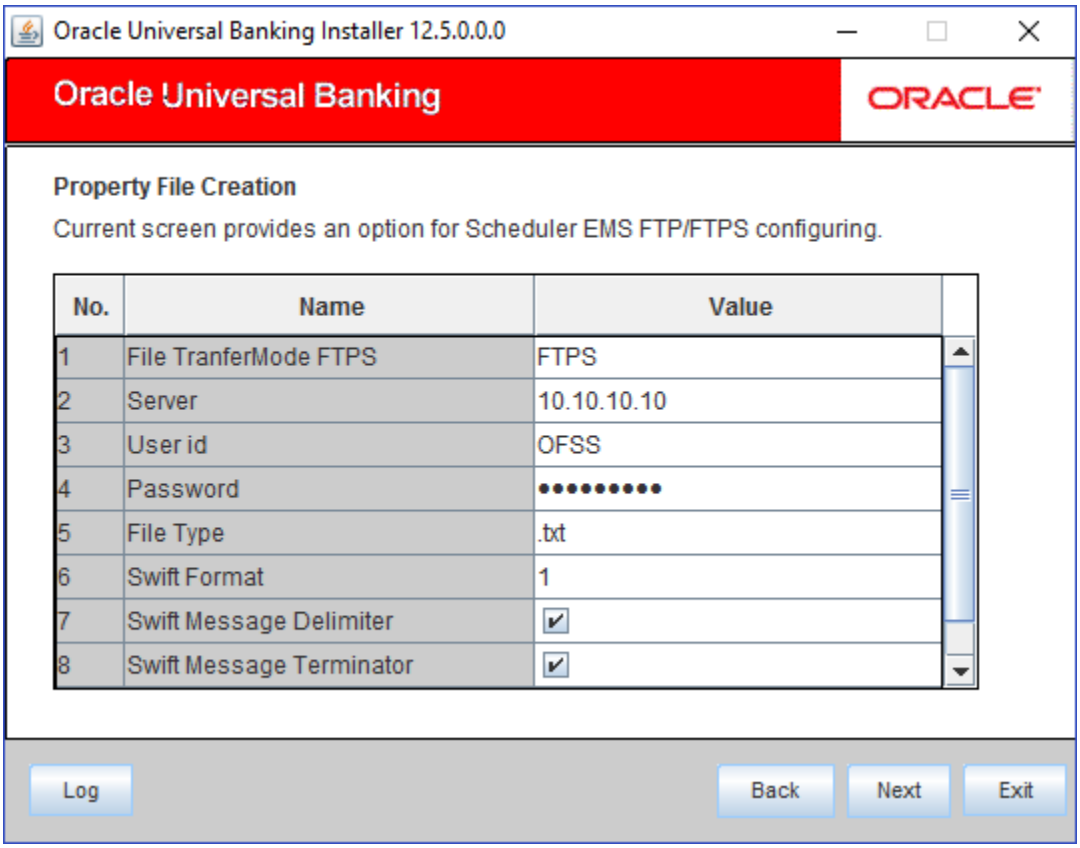
Queue Principal

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 configured.

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



4. 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'.

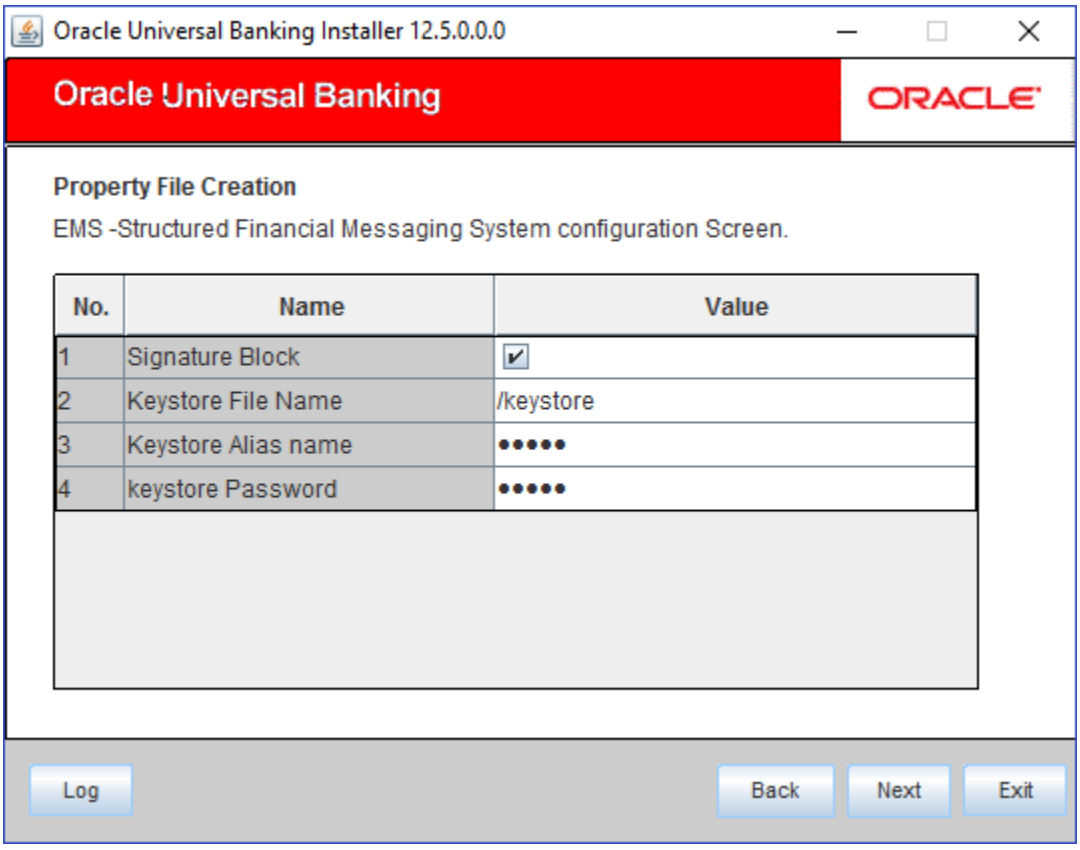
SWIFT Message Delimiter

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

SWIFT Message Terminator

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

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



6. Specify the following details:

Keystore File Name

Specify the keystore file name.

Keystore Alias Name

Specify the keystore alias name.

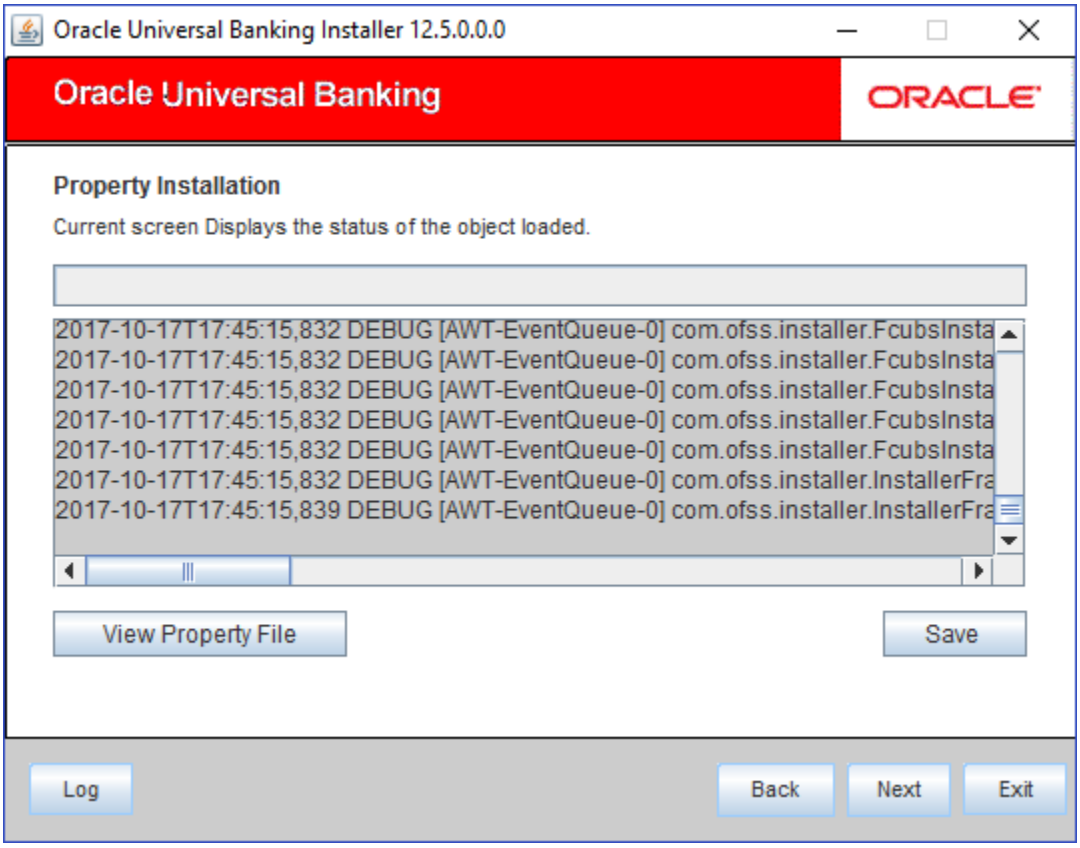
Keystore Password

Specify the keystore password.

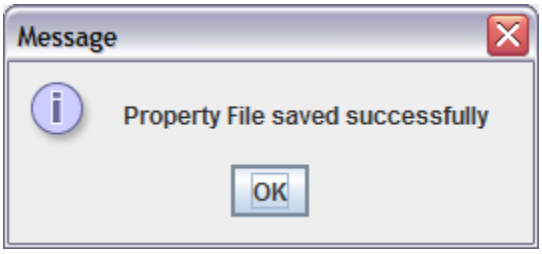
1.2.8 Saving Property File

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\SOURCE\logs path.

Payments Installer Property File Creation
[September] [2017]
Version 12.5.0.0.0

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