

Oracle® FLEXCUBE Investor Servicing Standalone Scheduler Property File Creation



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Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

Audience

This manual is intended for the following User/User Roles:

Table 1 Users and Roles

Users	Roles
Implementation team	Implementation of Oracle FLEXCUBE Investor Servicing
Presales team	Install Oracle FLEXCUBE Investor Servicing for demo purpose
Bank personnel	Who installs Oracle FLEXCUBE Investor Servicing

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used are as follows:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
FCIS	Oracle FLEXCUBE Investor Servicing
OEM	Oracle Enterprise Manager

Table 2 (Cont.) Acronyms and Abbreviations

Abbreviation	Description
EMS	Electronic Messaging Service
EJB	Enterprise Java Bean
MDB	Message Driven Beans

1

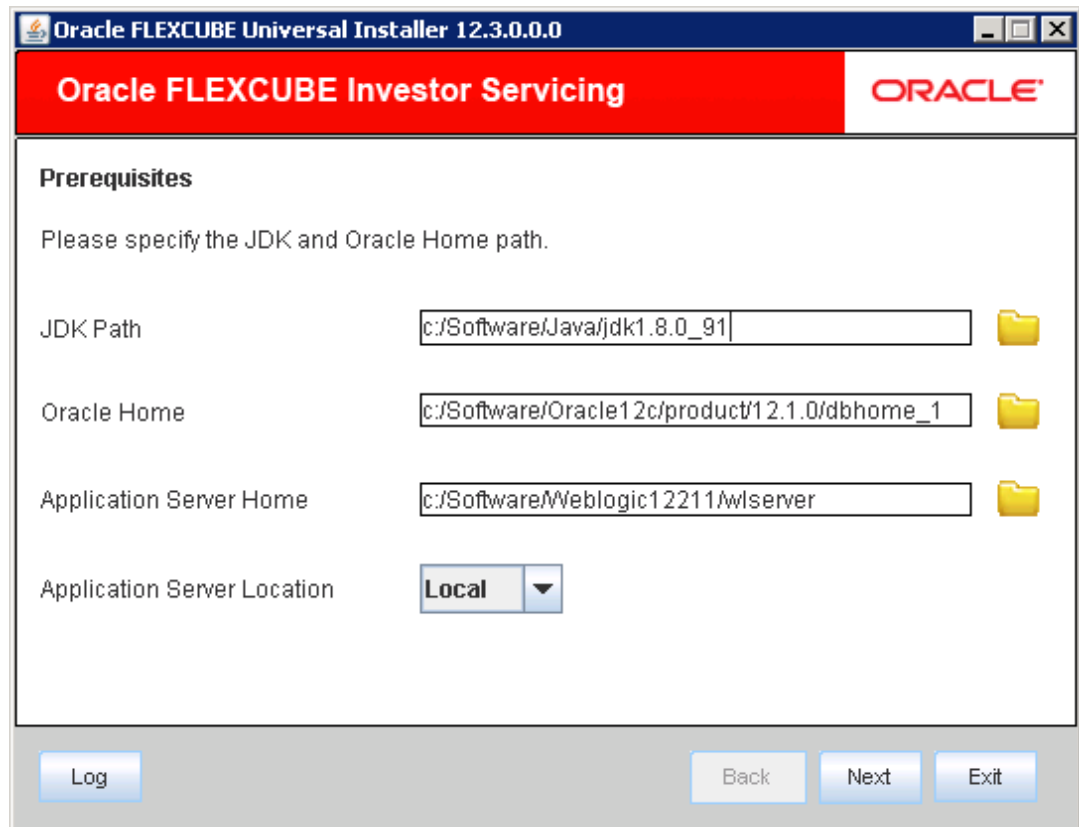
Create Property File

This topic describes steps to create property files for **Scheduler** Application.

1. Start **Oracle FLEXCUBE Universal Installer**.

The **Oracle FLEXCUBE Universal Installer** is displayed.

Figure 1-1 Oracle FLEXCUBE Universal Installer



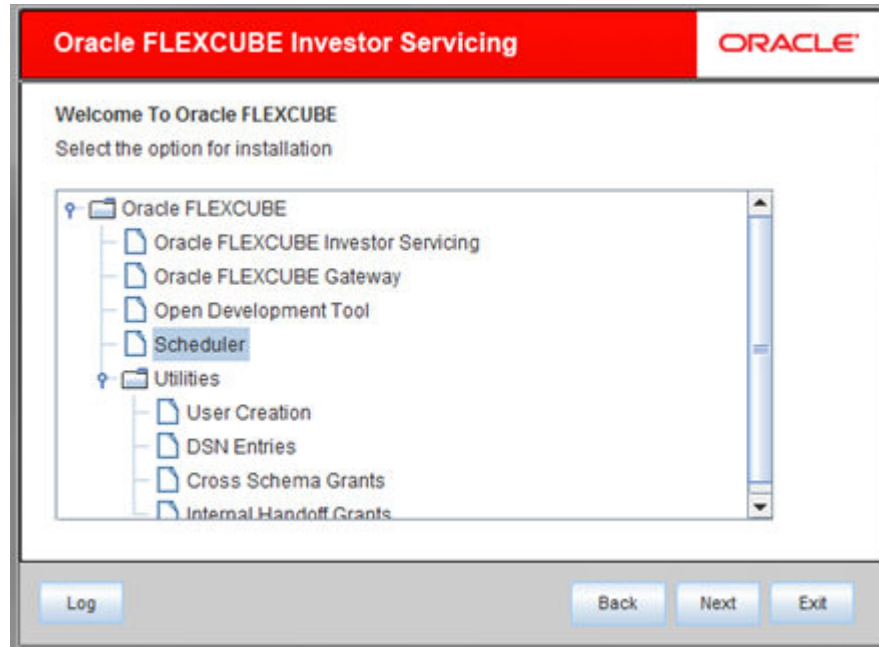
2. On **Oracle FLEXCUBE Universal Installer** screen, enter the following details.
Refer to the table for JDK and Oracle Home path.

Table 1-1 JDK and Oracle Home path

Field	Description
JDK Path	Provide Home folder path of JDK1.8.
Oracle Home	Provide home folder path of Oracle Client or Database.
Application Server Home	Provide home folder path of Application Server.
Application Server Location	Select location of the application server either local or remote.

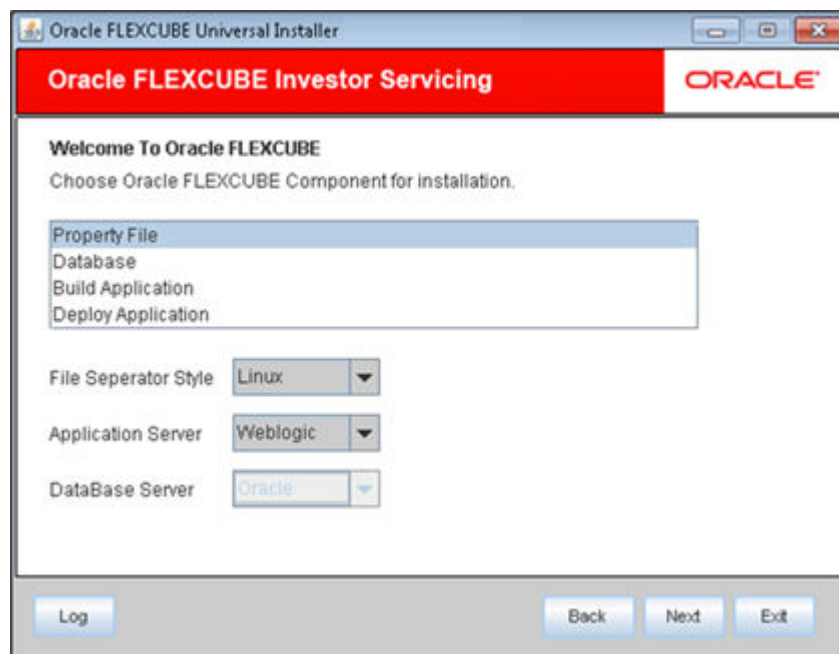
3. Click **Next** to select the option for installation.
4. Select **Scheduler** from the lists of **Oracle FLEXCUBE** options.
The available options for installation are displayed.

Figure 1-2 Oracle FLEXCUBE_Scheduler



5. Click **Next** to choose **Oracle FLEXCUBE** component for installation.
6. Select **Property File**.
The available options **Property File**, **Database**, **Build Application**, and **Deploy Application** are displayed.

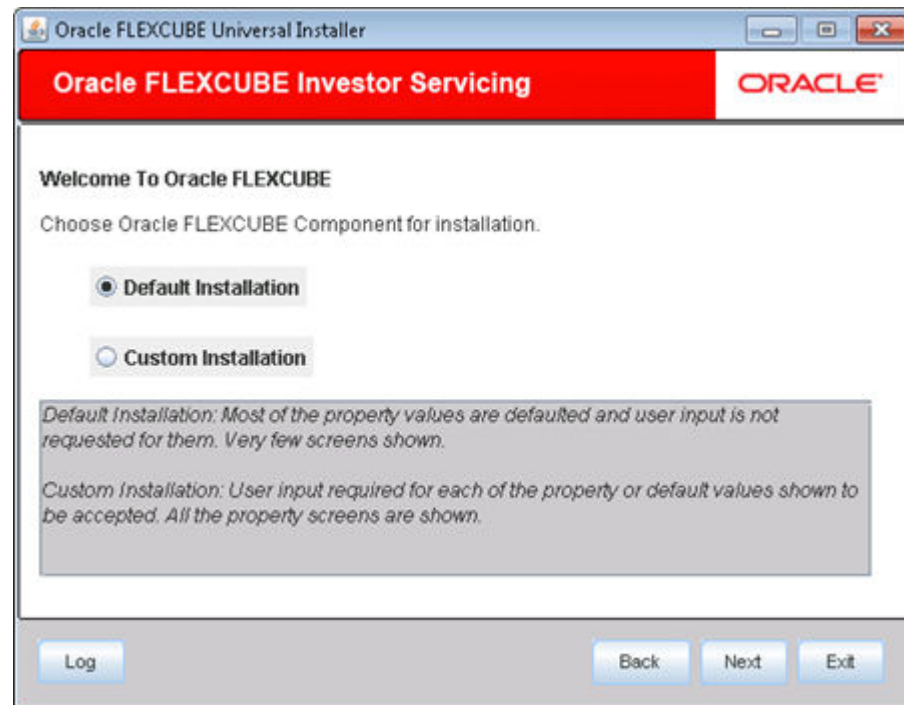
Figure 1-3 Choose Property File for Installation



7. Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list.
8. Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.
9. The system displays the database server in which you are creating the property file.
10. Click **Next** after the **Oracle FLEXCUBE** component details are specified.

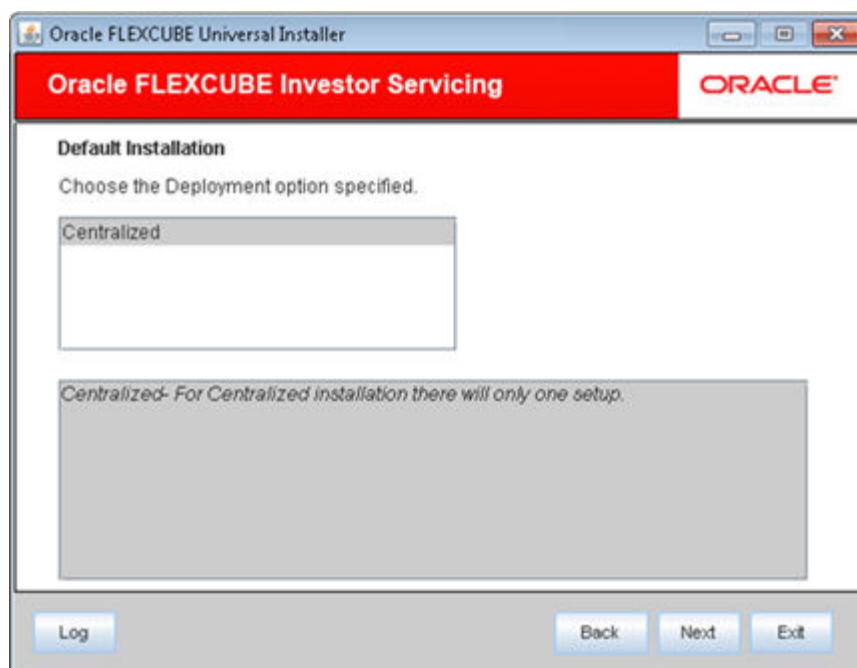
The following screen is displayed.

Figure 1-4 Choose Default Installation



11. Choose either **Default Installation** or **Custom Installation**.
Default Installation will need only the minimum list of details. Insulation plugin is deselected and SSO is by default **No** for this.
12. Click **Next** if you select **Default Installation** option.
The following screen is displayed.

Figure 1-5 Choose Deployment Option



13. Choose the **Deployment** option specified in the **Default Installation** screen and click **Next**.
14. Choose the available plugins for including them in the current installation.
The following screen is displayed.

Figure 1-6 Plugin Details

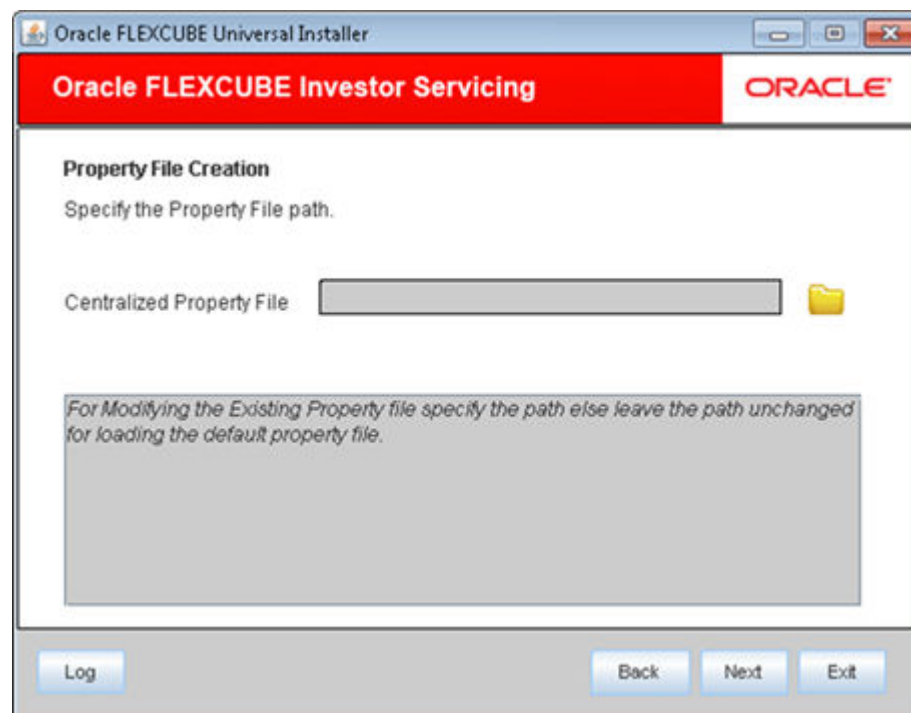


15. Select the **Custom Installation** option if there are any issues with the default values chosen and click **Next**.

Load the property file created and correct it. The property file needs to be built before the EAR file.

The Property File Creation screen is displayed.

Figure 1-7 Centralized Property File



16. On Property File Creation screen, specify the property file path in the **Centralized Property File**.

If you create a new property file, leave the field blank. If you modify an existing property file, specify the location of the property file manually.

17. Specify the security key for the Encryption, here in this case it is **oraclefinancials**.
18. Select the Platform Security for weblogic the symmetric key is not stored in the property file for security reasons.

If **Platform Security** is unchecked the symmetric key is available in the property file and a warning message is displayed to the user.

If **Platform Security** is not enabled, the Installer will pop-up a window.

- [Set Up Common Properties](#)
This topic describes the process of setting common properties of Scheduler.
- [Configure Scheduler](#)
This topic describes the method to configure scheduler data source.
- [Set Up EMS Properties](#)
This topic describes the process of setting EMS Properties.
- [Save Property File](#)
This topic describes the steps to save Property File.

1.1 Set Up Common Properties

This topic describes the process of setting common properties of Scheduler.

1. You can choose an option for modifying the common property values.
The following screen is displayed.

Figure 1-8 Plugin Details

Plugin Description	Include
SCHEDULER	☒

2. On **Common Property Values** screen, enter the following details.
Refer to the table for Common Properties.

Table 1-2 Common Property Values

Field	Description
Debug Logs Required	Select Yes from the drop-down list if you require debug option. 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 will be placed.
Excel Path	Specify the location at which the excel files will be generated.
Data Source	Specify the JNDI location which points to SMS schema. The standard format is <code>jdbc/fcisdevDS</code> .
Request Time Out	Specify the database request time out value in seconds. This is the maximum number of seconds the database will wait for a query to return the result.
Connection Time Out	Specify the database connection time out value in seconds. This is the maximum number of seconds the application will wait for a connection to the database to open.

Table 1-2 (Cont.) Common Property Values

Field	Description
LOV Fetch Required	If you check this box, the option lists in Oracle FLEXCUBE will display the matching values based on the first characters that you enter in a field. That is, if you specify the first three characters of a value to be entered in an option list, the system will display the complete list of values that are matching the first three characters. If you do not check this box, the option lists will not display the matching values based on the first few characters. You need to specify the complete value against the field.
Max Image Size	Specify the maximum image size in bytes.

Figure 1-9 Common Property Values

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for modifying the Common property values.

Debug Logs Required

Work Area

Signature Path

Excel Path

Data Source

Request Time Out In milli seconds

Connection Time Out In Seconds

Session Time Out In Seconds

LOV Fetch Required ☐

Max Image Size In Bytes

Log Back Next Exit

1.2 Configure Scheduler

This topic describes the method to configure scheduler data source.

1. Specify the option for scheduler configuration.

The following screen is displayed.

Figure 1-10 Scheduler Configuration_Scheduler Datasource

2. Specify the following details:
 - a. **Scheduler Datasource:** Specify the scheduler datasource name in this field in which Oracle FLEXCUBE will access.
 - b. **Scheduler Log Rotation Interval:** Specify the scheduler log rotation interval. Select the interval between each rotation of scheduler log.
3. Click **Next** to configure Scheduler Destination Queue.
The following screen is displayed.

Figure 1-11 Scheduler Destination Queue Configuration

4. Specify the following details:
 - a. **Notify Destination:** Specify the notify destination. Select one of the following options:

- QUEUE
 - TOPIC
- b. **Queue Name:** Set **NOTIFY_DEST_QUEUE** as the destination queue name.
 - c. **Queue Connection Factory:** Set **NotifyDestQCF** as the queue connection factory.
 - d. **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.

Figure 1-12 Secure Enabled Scheduler Destination Queue Configuration

Oracle FLEXCUBE Investor Servicing

ORACLE

Property File Creation

Current screen provides an 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

Log Back Next Exit

- e. **Caller ID:** Specify the caller ID for the secured queue connection factory.
- f. **Caller Password:** Specify the password for the caller ID to access the secured queue connection factory.

If the queue connection factory is not secured, i.e., if you have not selected the checkbox **Secure**, the installer will not display the fields **Caller ID** and **Caller Password**. You need not provide these details in that case.

- g. **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 does not get displayed. You will be navigated to next step where you can specify the notified deferred queue name and connection factory.

5. If you choose **Internal** in the **Notify Queue Location**, you can specify the notified deferred queue name and connection factory.

The following screen is displayed.

Figure 1-13 Scheduler Configuration_Deferred Queue Details

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for Scheduler configuration.

Notify Deferred Queue Name

Deferred Queue Connection Factory ☐ Secure

Log Back Next Exit

6. Specify the following details:
 - a. **Notify Deferred Queue Name:** Set **DEFFERED_DEST_QUEUE** as the notified deferred queue name.
 - b. **Deferred Queue Connection Factory:** Set **DeferredDestQCF** as the deferred queue connection factory.
 - c. **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.

Figure 1-14 Secure Enabled Scheduler Configuration_Deferred Queue Details

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for Scheduler configuration.

Notify Deferred Queue Name

Deferred Queue Connection Factory ☒ Secure

Caller ID

Caller Password

Log Back Next Exit

7. Specify the caller ID and caller password for the secured deferred queue connection factory.
8. Click **Next** for Scheduler Notify Internal Queue configuration.

The following screen is displayed.

Figure 1-15 Scheduler Notify Internal Queue configuration

9. Specify the following details:
 - a. **Notify Queue Name:** Set **NOTIFY_QUEUE** as the notify queue name.
 - b. **Dead Letter Queue Name:** Set **NOTIFY_QUEUE_DLQ** as the dead letter queue name.
 - c. **Notify Queue Connection Factory:** Set **NOTIFY_MDB_QCF** as the notify queue connection factory.
 - d. **Secure:** Select this checkbox 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.

Figure 1-16 Secure Enabled Scheduler Notify Internal Queue configuration

The screenshot shows a web-based configuration window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right. The main heading is "Property File Creation". Below it, a message states: "Current screen provides an option for Scheduler Notify Internal Queue configuration." The form contains the following fields and controls:

- Notify Queue Name:** A text box containing "NOTIFY_QUEUE".
- Dead Letter Queue Name:** A text box containing "NOTIFY_QUEUE_DLQ".
- Notify Queue Connection Factory:** A text box containing "NOTIFY_MDB_QCF".
- Secure:** A checkbox that is checked, with the label "Secure".
- Caller ID:** An empty text box.
- Caller Password:** An empty text box.

At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

10. Specify the Caller ID and Caller Password for the secured notify queue connection factory.

1.3 Set Up EMS Properties

This topic describes the process of setting EMS Properties.

1. Set the EMS properties in the **Scheduler EMS Properties** screen.

The following screen is displayed.

Figure 1-17 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

- On **Scheduler EMS Properties** screen, enter the following details.
Refer to the table for Scheduler EMS Properties.

Table 1-3 Scheduler EMS Properties

Field	Description
Incoming Dead Letter Queue Name	Set EMS_QUEUE_DLQ as the incoming dead letter queue name.
Incoming Backup Queue Name	Specify the name of the incoming backup queue for which EMS is configured. Set EMS_QUEUE_BACK as the incoming backup queue name.

Table 1-3 (Cont.) Scheduler EMS Properties

Field	Description
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. 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	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. 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	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: Oracle WebLogic EMS Out Initial Context Factory: t3://<ip_address>: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).
Queue Principal	You need to specify the EMS out queue principal if EMS OUT MDB has to be configured to queue. 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.
Incoming Queue Name	Specify the name of the incoming queue for which EMS is configured. By default, this is set as EMS_QUEUE_DLQ .
Outgoing Queue Name	Specify the name of the outgoing queue for which EMS is configured. By default, this is set as EMS_QUEUE_DLQ .
SFMS Incoming Queue	Specify the SFMS Incoming Queue. By default, this is set as SFMS_INQUEUE .

Table 1-3 (Cont.) Scheduler EMS Properties

Field	Description
RTGS Incoming Queue	Specify the RTGS incoming Queue. By default, this is set as RTGS_INQUEUE .

- You are provided with an option for **Scheduler EMS FTP/FTPS** configuration.

Figure 1-18 Scheduler EMS FTP or FTPS Configuration

No.	Name	Value
1	File TransferMode FTPS	FTPS
2	Server	10.10.10.10
3	User id	OFSS
4	Password	*****
5	File Type	.bt
6	Swift Format	1
7	Swift Message Delimiter	☒
8	Swift Message Terminator	☒

- On **Scheduler EMS FTP/FTPS Configuration**, enter the following details.
Refer to the table for Scheduler EMS FTP/FTPS Configuration.

Table 1-4 Scheduler EMS FTP/FTPS Configuration

Field	Description
File Transfer Mode FTPS	Specify the mode of transferring files to EMS. Choose one of the following: FTPS (defaulted in Default Installation) 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 for the mentioned 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.

Table 1-4 (Cont.) Scheduler EMS FTP/FTPS Configuration

Field	Description
SWIFT Message Terminator	Specify the character which is used as the message terminator.

- Click **Next**.

The **EMS Structured Financial Message System Configuration** screen is displayed.

Figure 1-19 EMS Structured Financial Messaging System

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

- On **EMS Structured Financial Message System Configuration** screen, enter the following details.

Refer to the table for Scheduler EMS Structured Financial Message System Configuration.

Table 1-5 EMS Structured Financial Message System Configuration

Field	Description
Signature Block	Check this box to enable signature block.
Keystore File Name	Specify the keystore file name.
Keystore Alias Name	Specify the keystore alias name.
Keystore Password	Specify the keystore password.

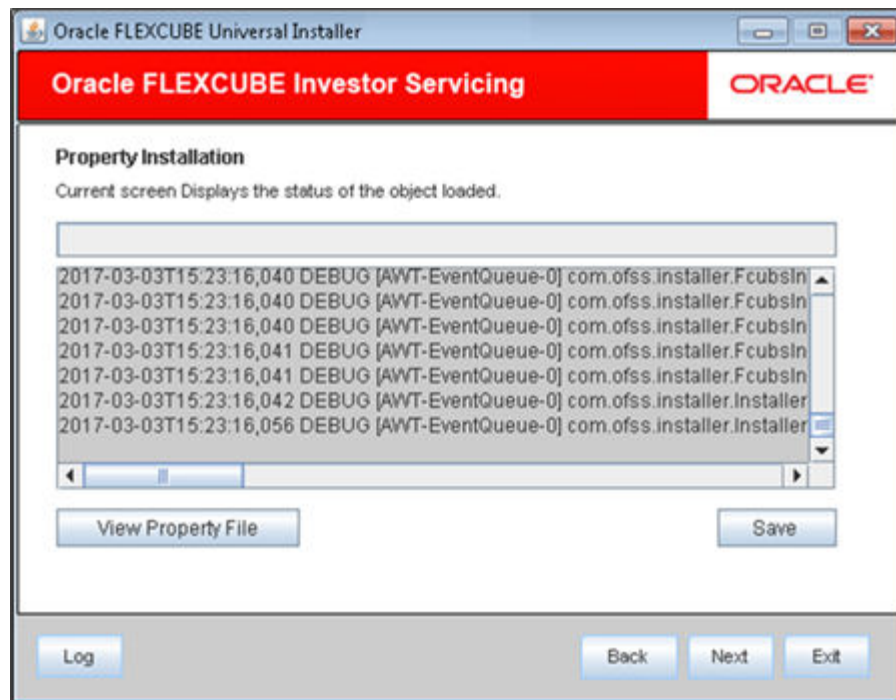
1.4 Save Property File

This topic describes the steps to save Property File.

- Click **Save** to save the Property File.

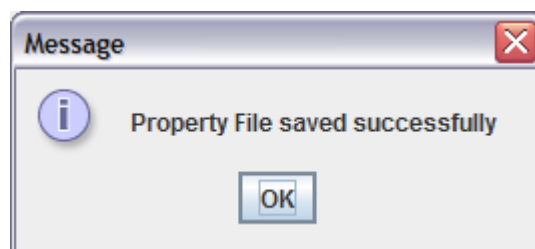
The following screen is displayed.

Figure 1-20 Status of the object loaded



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

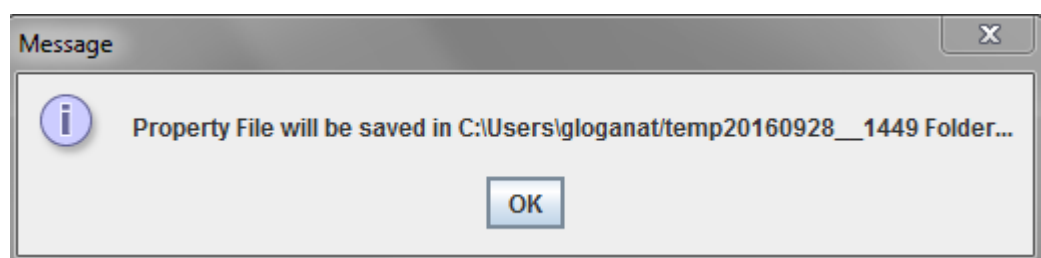
Figure 1-21 Save Property File



3. If you do not use the **Save** or **Save As** buttons, the installer will save the properties file in C:\Users\<username> folder.

The installer displays the following message.

Figure 1-22 Save Property File in Temp Folder



4. Click **OK**. This completes the properties file creation.
Post creation of property file, relaunch the installer.
The following screen is displayed.

Figure 1-23 Property File Creation Message

