

FCIS Property File Setup
Oracle FLEXCUBE Investor Servicing
Release 14.4.0.4.0
[July] [2021]



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1. Creating Property File for Oracle FLEXCUBE Investor Servicing

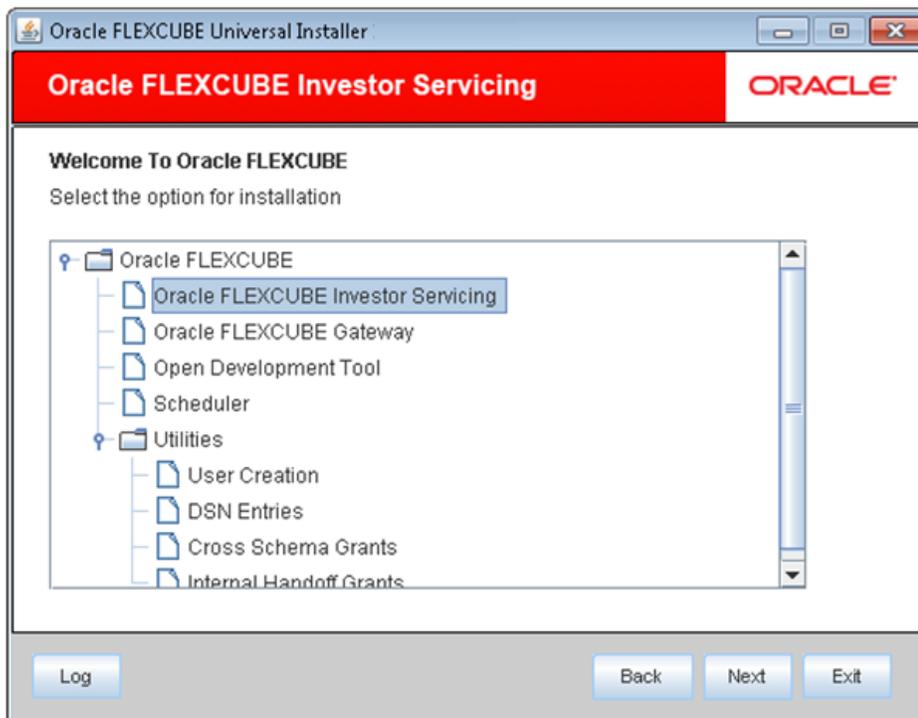
1.1 Introduction

This chapter explains the steps to create property files for Oracle FLEXCUBE Investor Servicing Application.

1.2 Creating Property File

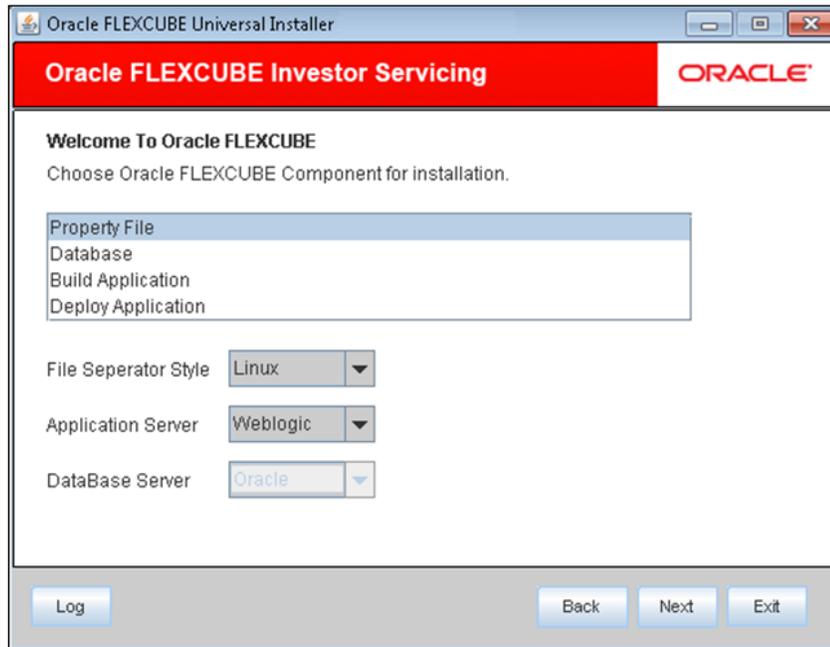
To create the property file for Oracle FLEXCUBE Investor Servicing, follow the steps given below:

1. Launch Oracle FLEXCUBE Investor Servicing Installer.



2. Choose 'Oracle FLEXCUBE Investor Servicing'. Click 'Next'.

3. The following screen is displayed:



4. Choose the option 'Property File'.

5. Specify the following details:

Operating System

Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list

Application Server

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

Database Server

The system displays the database server in which you are creating the property file.

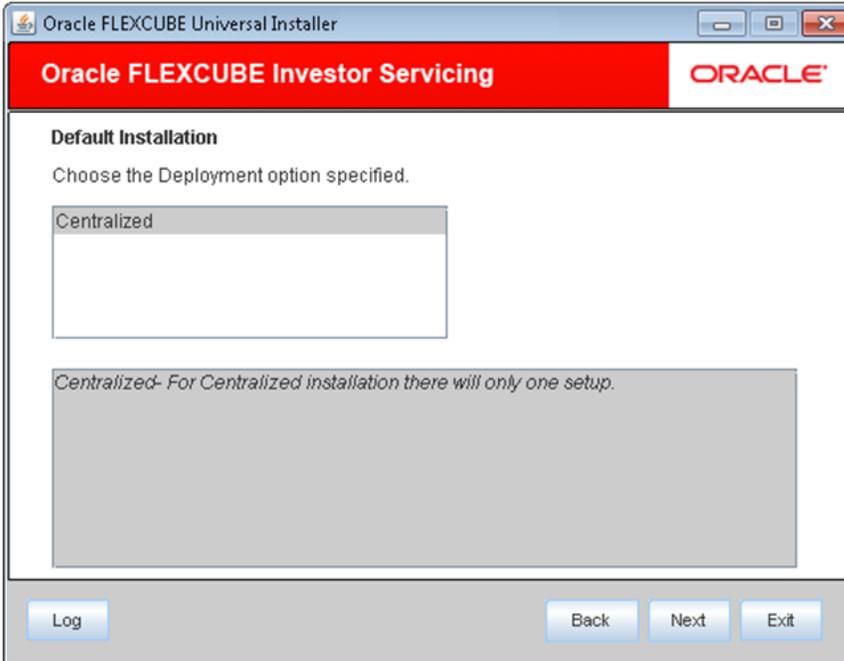
Once you have specified the details, click 'Next' to continue. The following screen is displayed.



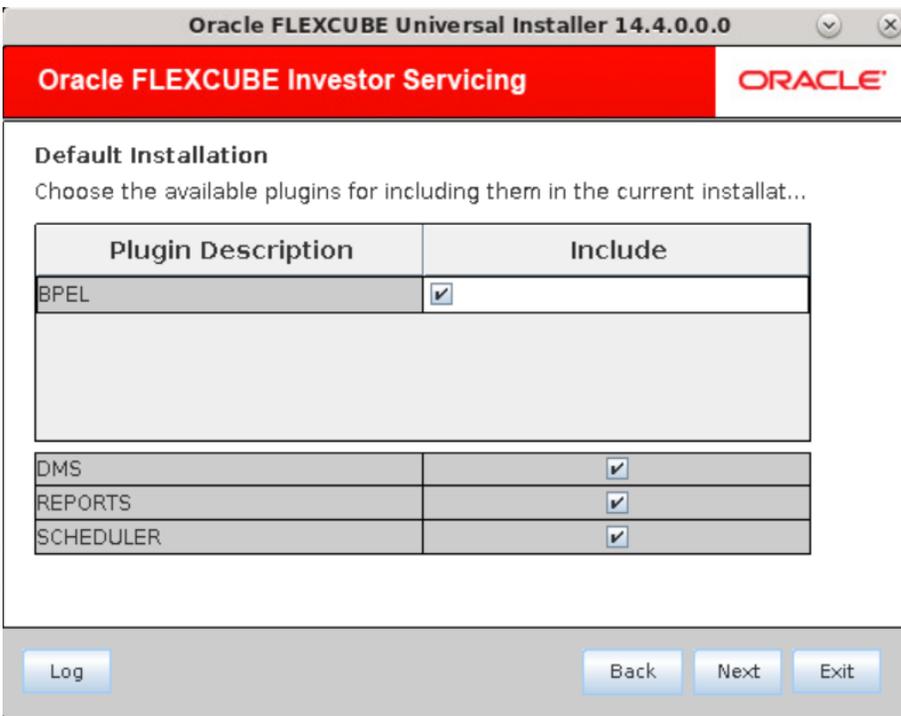
In this screen, choose either Default or Custom installation.

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

If you select 'Default Installation' options and click 'Next', the following window is displayed:

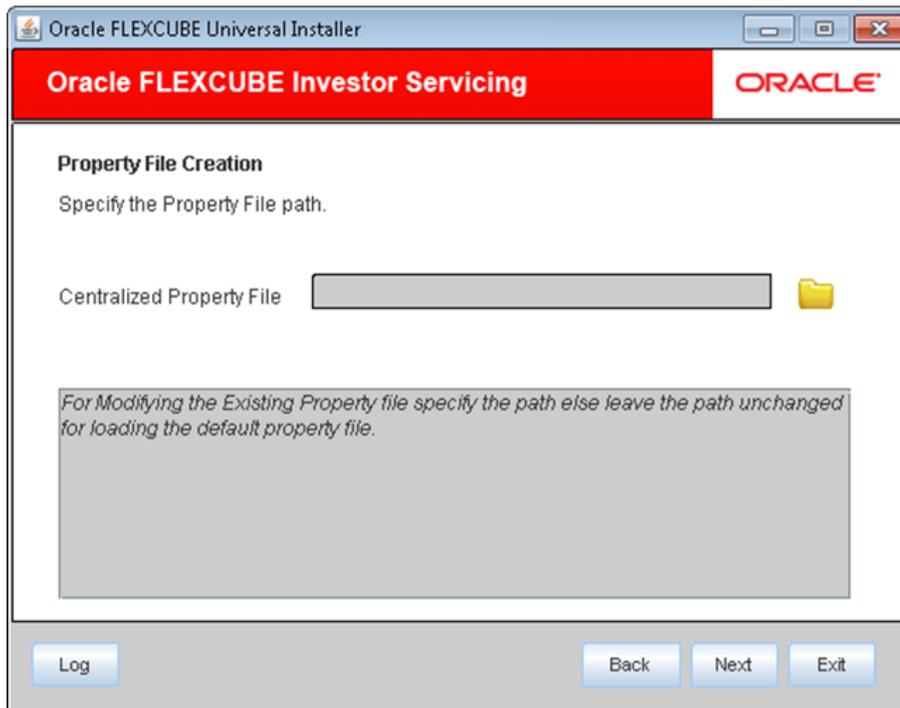


If you click 'Next', the following screen appears.



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

If you click 'Custom Installation' option and click 'Next' button, the following screen is displayed:



6. Specify the following details:

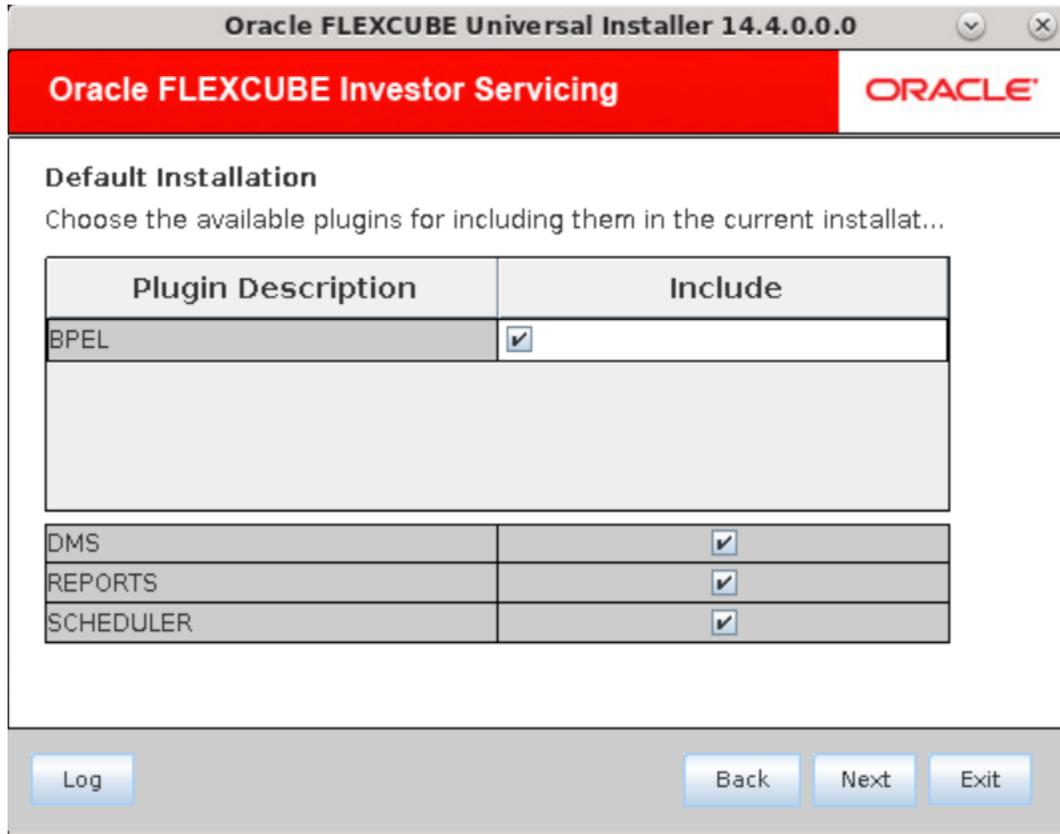
Centralized Property File

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.

1.2.1 Setting Oracle FLEXCUBE Investor Servicing Plug-ins

Default Installation steps are as below

BPEL is available only for weblogic and is not supported for Websphere. BPEL should be chosen explicitly while, other plug-ins are defaulted. Insulation is not there.



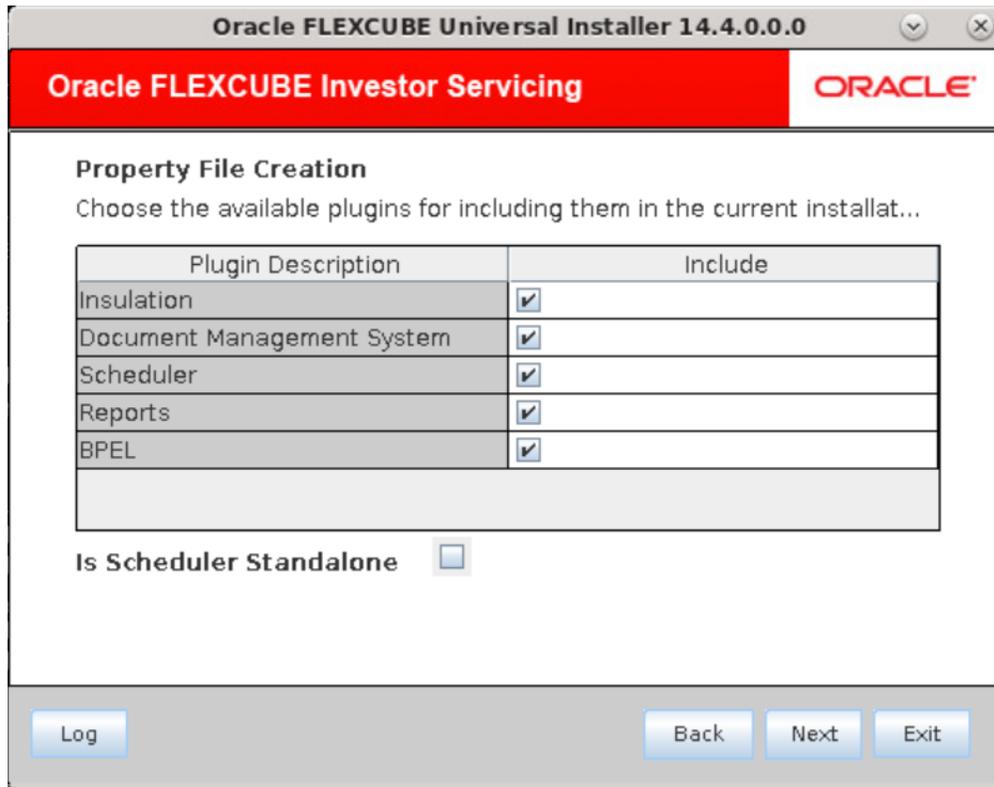
Once you have selected the plug-ins, click 'Next'. You will be navigated to the 'Common Properties' screen

Custom Installation steps are as below

This section describes the process of setting plug-ins.

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

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 FLEXCUBE Investor Servicing:

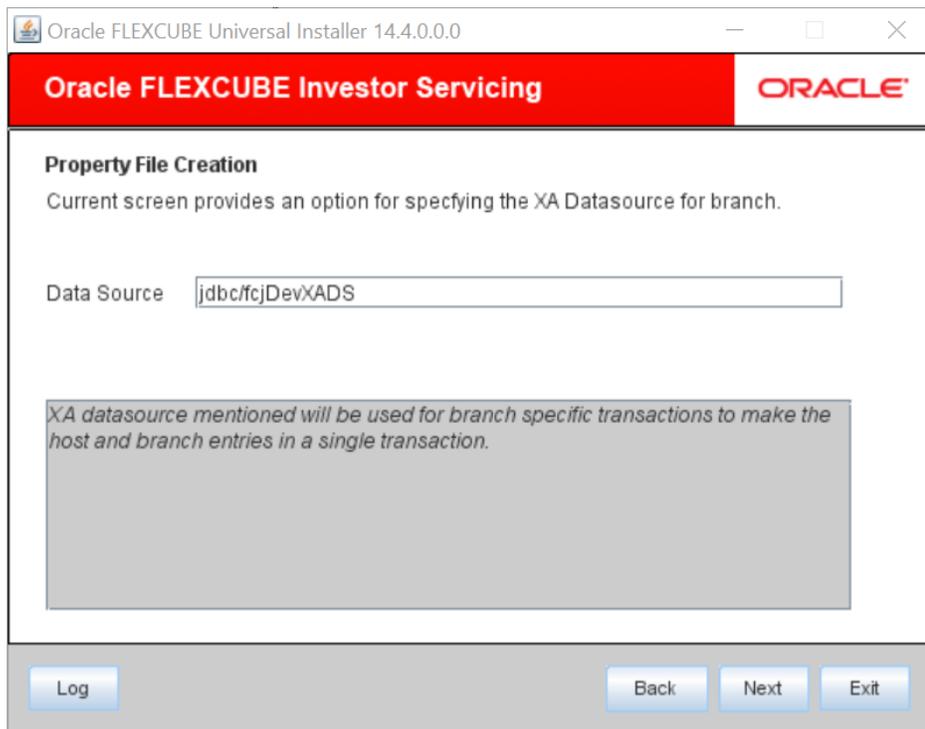
- BPEL
- Document Management System
- Reports
- Scheduler
- Regression Testing Tool
- Insulation

Note: If scheduler is required then, one can chose if scheduler is required as standalone.

For to choose standalone scheduler, one should go through scheduler option of building the EAR and deploy the EAR ahead of FCIS application

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

If you click on 'Is Scheduler Alone' option and click 'Next', the following screen is displayed.

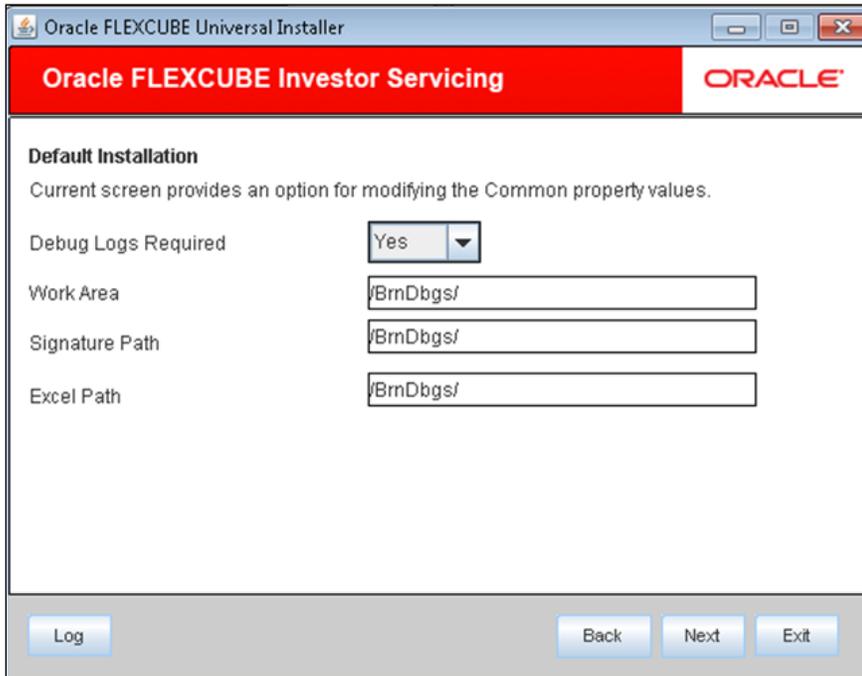


3. Once you have selected the plug-ins, click 'Next'. You will be navigated to the 'Common Properties' screen.

1.2.2 Setting Common Properties

This section describes the process of setting common properties of Oracle FLEXCUBE Investor Servicing.

Default Installation steps are as below



Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

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

Debug Logs Required Yes ▾

Work Area /BmDbgs/

Signature Path /BmDbgs/

Excel Path /BmDbgs/

Log Back Next Exit

Debug

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

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.

On click on Next, details mentioned under section '**Setting Email Details**' needs to be followed. Please refer to that section for further flow in Default Installation option.

Custom Installation steps are as below

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

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

2. The following are the common properties required for FCIS Application:

Debug

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

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 'jdbc/fcisdevDS'.

Request Time Out

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

LOV Fetch Required

If you check this box, the option lists in Oracle FLEXCUBE Investor Servicing 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 and tab out, the system will display the complete list of values that are matching the first three characters.

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

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

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Current screen provides an option for modifying the OBIEE and other property values.

Help File Name

OBIEE ENABLED ▼

OBIEE URL

OBIEE FOLDER

OBIEE SIGNOUT URL

Enter following details

Help File Name

Enter Help File name

OBIEE Enabled

Whether OBIEE is enabled

OBIEE URL

Mention URL

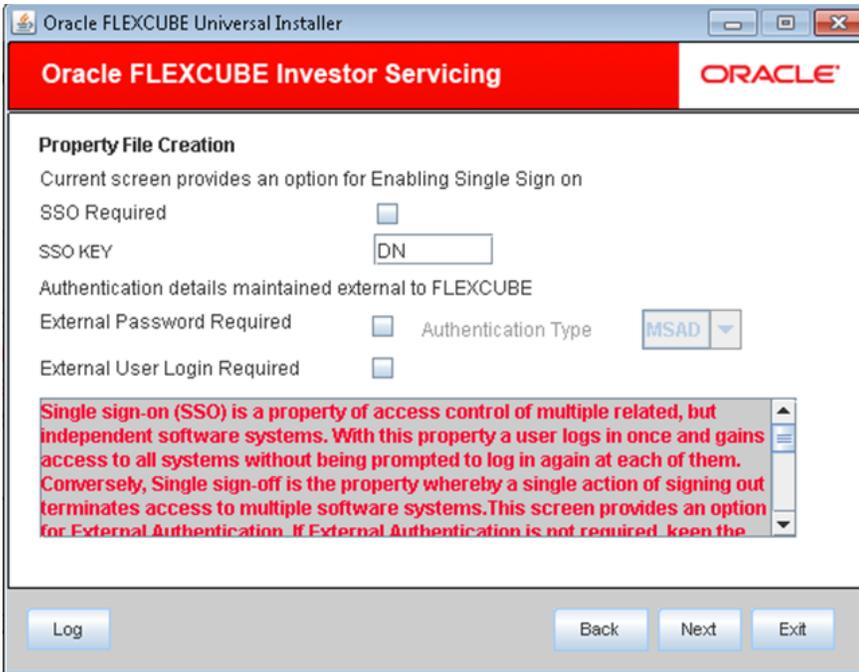
OBIEE Folder

OBIEE folder

OBIEE Signout URL

Mention URL

On click of next following screen is shown.



4. 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.

SSO Key

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

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for Enabling Single Sign on

SSO Required

SSO KEY

Authentication details maintained external to FLEXCUBE

External Password Required Authentication Type LDAP

External User Login Required

Single sign-on (SSO) is a property of access control of multiple related, but independent software systems. With this property a user logs in once and gains access to all systems without being prompted to log in again at each of them. Conversely, Single sign-off is the property whereby a single action of signing out terminates access to multiple software systems. This screen provides an option for External Authentication. If External Authentication is not required, keep the

Log Back Next Exit

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 FCIS 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 FCIS user ID.

Authentication Type

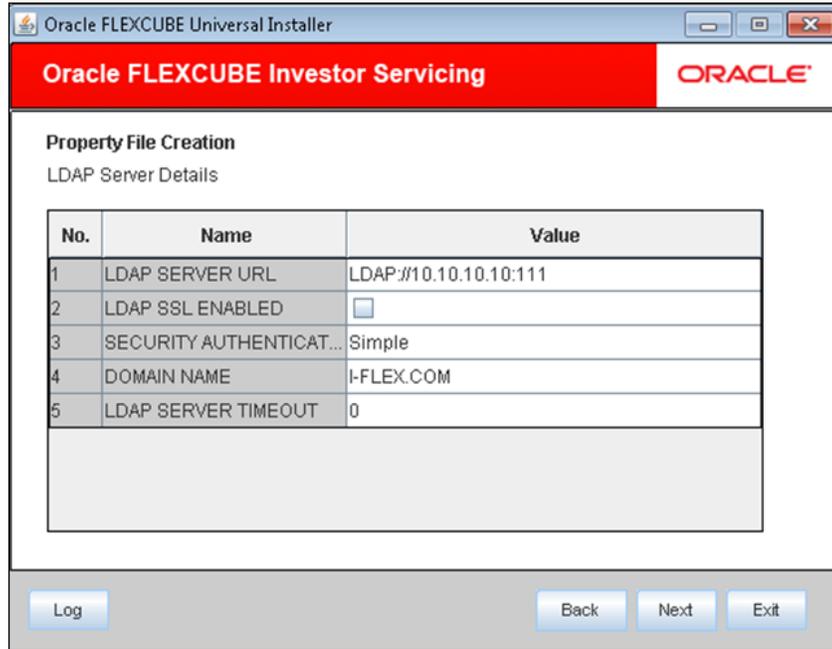
Select the authentication type from the adjoining drop-down list. This is the type of external server that is used. You can select one of the following options:

- MSAD (Microsoft Active Directory)
- LDAP (Lightweight Directory Access Protocol)

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

5. The default option is MSAD; however, you can change it.

If you check the box, then the installer navigates to the following screen on clicking 'Next' button.



The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' window with the 'Property File Creation' section. Under 'LDAP Server Details', there is a table with the following data:

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	<input type="checkbox"/>
3	SECURITY AUTHENTICAT...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

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

6. Specify the following details:

LDAP Server URL

Specify the URL to access the LDAP server where the external user Ids or passwords are maintained.

LDAP SSL Enabled

Check this box if the LDAP server is SSL enabled.

Note: If you check this box, then you need to specify the SSL port in the field 'LDAP SERVER URL'.

Security Authentication Type

Depending on the authentication mechanism supported by the LDAP server, you need to select one of the following:

- Simple (in most cases)
- Strong

Note: Different servers support different authentication mechanisms. By default, the security authentication type is 'Simple'; however, you can change it.

Domain Name

Specify the domain name.

LDAP Server Timeout

Specify the LDAP server timeout in milliseconds.

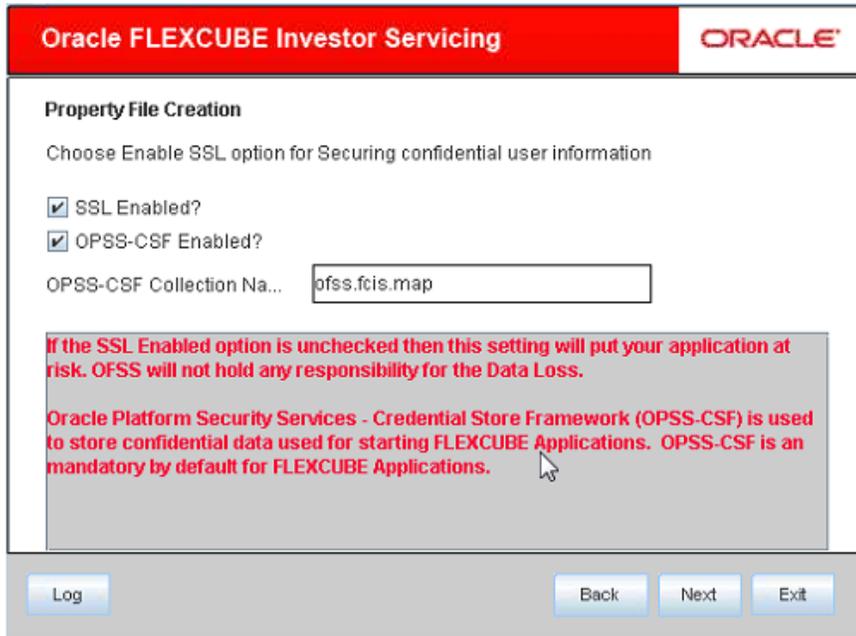


Note: Note the following:

- By default, the LDAP server timeout is zero; however, you can change this.
- You must enter a positive integer value. For example, 1000, 10000, 5000, etc.
- If the value specified is zero or less, it indicates that no read timeout is specified. Then, the wait for the response infinite until it is received.

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

7. The following screen is displayed:



The screenshot shows a dialog box titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main heading is "Property File Creation". Below this, it says "Choose Enable SSL option for Securing confidential user information". There are two checked checkboxes: "SSL Enabled?" and "OPSS-CSF Enabled?". Below these is a text field labeled "OPSS-CSF Collection Na..." containing the value "ofss.fcis.map". A red warning box contains the text: "If the SSL Enabled option is unchecked then this setting will put your application at risk. OFSS will not hold any responsibility for the Data Loss." Below the warning box, it states: "Oracle Platform Security Services - Credential Store Framework (OPSS-CSF) is used to store confidential data used for starting FLEXCUBE Applications. OPSS-CSF is a mandatory by default for FLEXCUBE Applications." At the bottom of the dialog box, there are four buttons: "Log", "Back", "Next", and "Exit".

8. Specify the following details.

SSL Enabled

Indicate whether SSL is enabled or not. If SSL is required, choose 'Yes'. If SSL is not enabled, the Installer will pop-up a window.



The screenshot shows a "Choose Option" dialog box with a question mark icon. The text inside reads: "Are you sure you want to change the setting to SSL Enabled? The current security settings will put your application at risk." Below the text are two buttons: "Yes" and "No".

However, it is recommended that you enable SSL.

OPSS Available

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

If OPSS Available is not enabled, the Installer will pop-up a window.

E.g.: FLEXCUBE IS

Version

Specify the application version.

E.g.: 12.0.0

Copy Rights

Specify the copyright details.

E.g.: Copyright@2007-2012 Oracle Financial Software Services Limited. All rights reserved.

3. Once you have specified the details, click 'Next'. You will be navigated to the CSS setting screen.

1.2.4 Setting CSS Style

This section describes the process of setting CSS style.

1. The following screen is displayed.



2. Specify the following details:

CSS Style

Specify the CSS style to be used. You can choose one of the following CSS styles:

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

Name

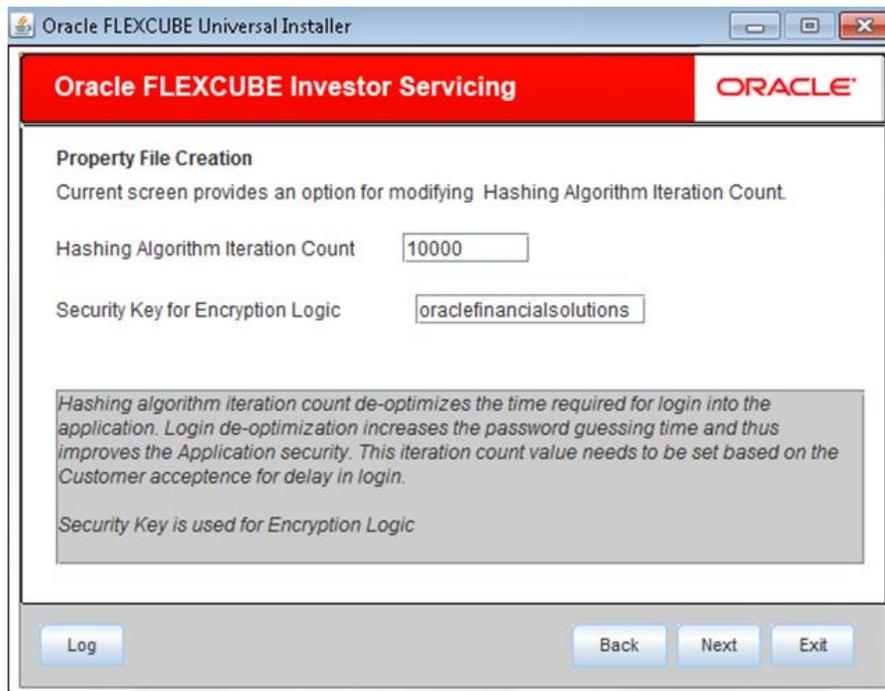
Specify the name of the CSS style.

3. Once you have specified the above details, click 'Next'. You will be navigated to the Hashing Algorithm Count Settings screen.

1.2.5 Setting Hashing Algorithm Iteration Count

This section describes the method of setting hashing algorithm iteration count.

1. The following screen is displayed.



2. Specify the following details:

Hashing Algorithm Iteration Count

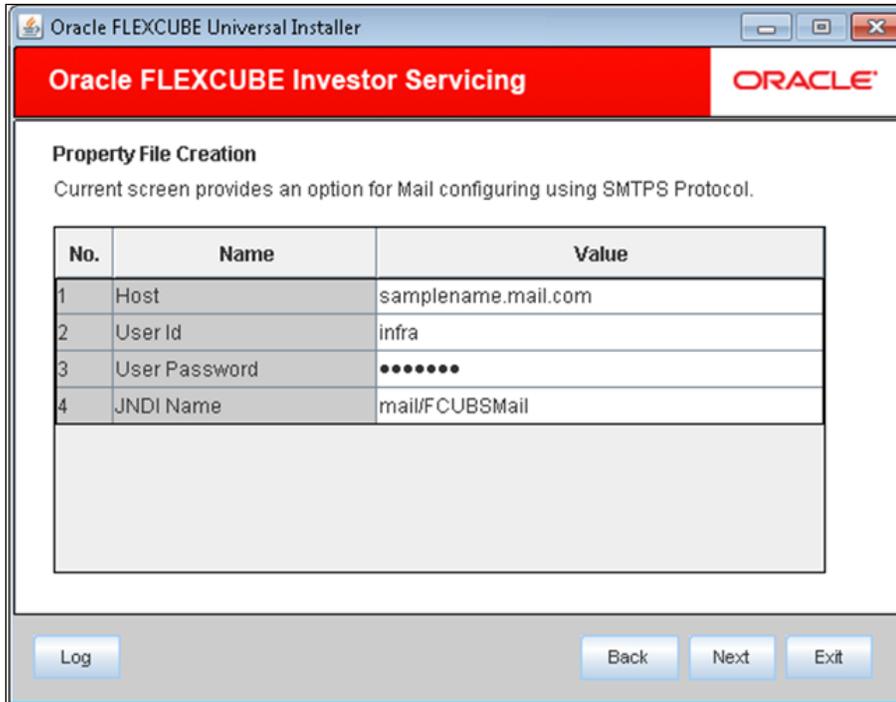
Specify the hashing algorithm iteration count. This count implies the time required for logging into the application. An increase in this count increases the login time.

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

1.2.6 Setting Email Details

This section describes the method to configure email details.

1. The following screen is displayed.



2. Specify the following details.

Host

Specify the SMTP host name.

User ID

Specify the user ID.

User Password

Specify the user password.

JNDI Name

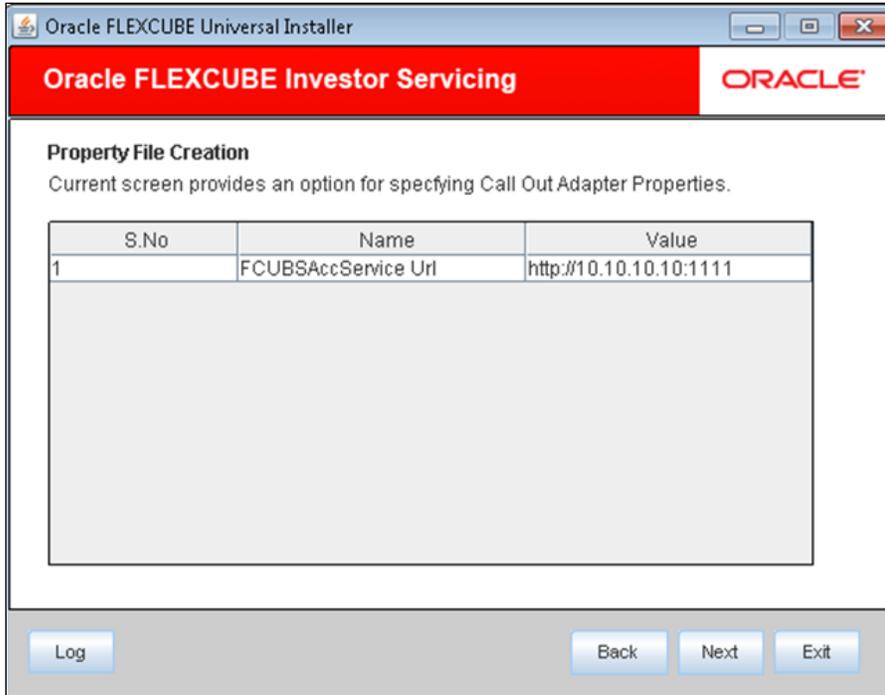
Specify the JNDI name.

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

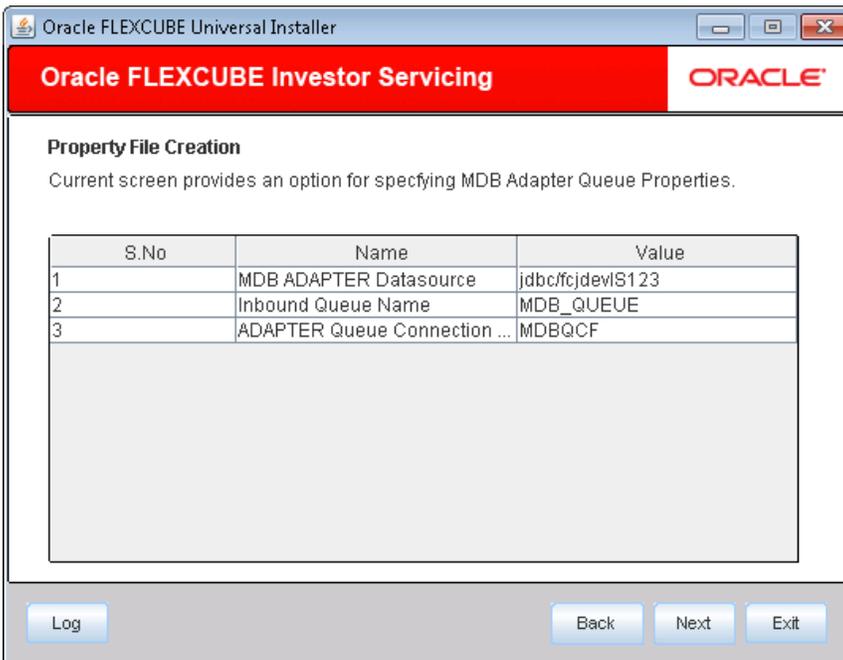
1.2.7 Setting FCIS UBS Adapter Properties

Only for Custom Installation

This section describes the FCIS UBS Adapter properties setup.



1. Specify the 'FCUBSAccService Url' and click 'Next'.

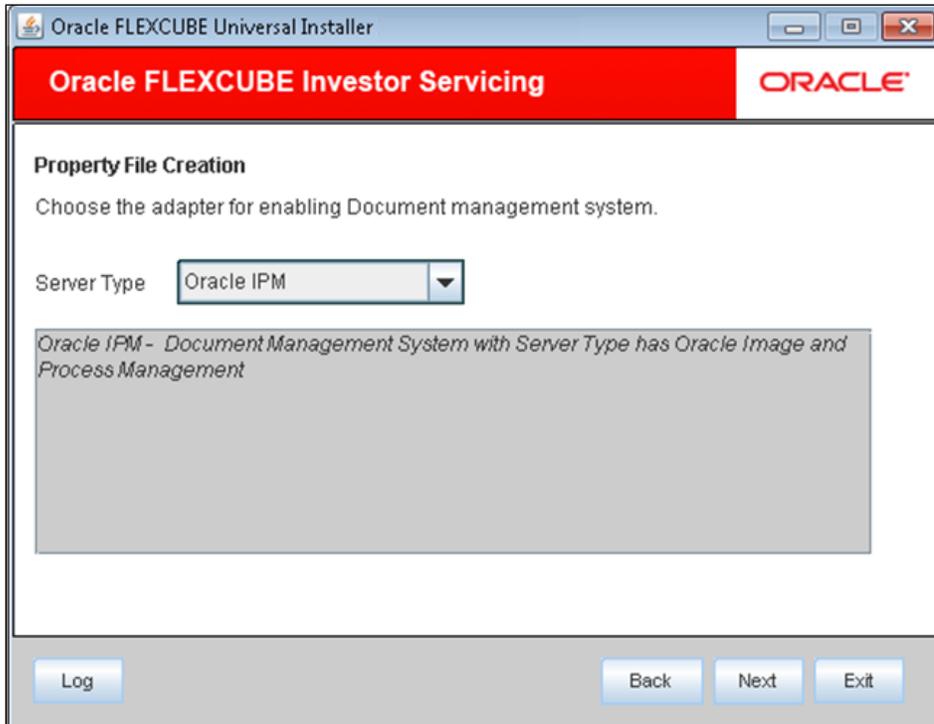


Specify MDB Data source, Queue name and Queue Connection Factory.

1.2.8 Setting Oracle IPM Adapter Properties

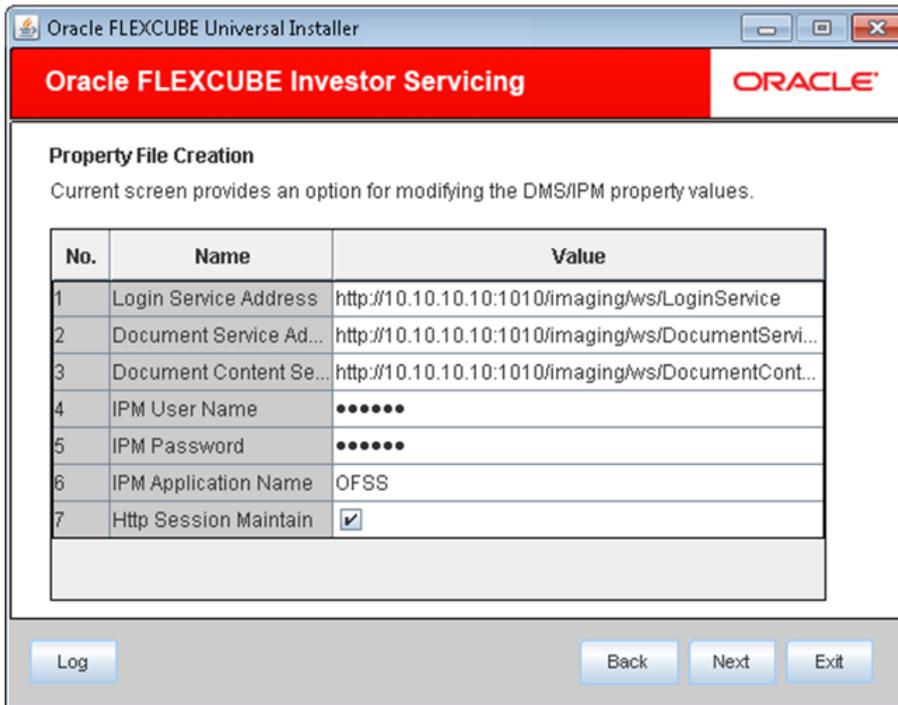
In case you have included DMS in the installation, you need to set the Oracle IPM adapter properties. Navigate to 'Oracle IPM DMS Properties' screen.

1. Set the server type in the following screen.



2. Choose 'Oracle IPM' as the server type.

3. Click 'Next, the following screen is displayed.



4. Specify the following details:

Login Service Address

This is the endpoint address of the web service (OracleIPM.WebService.EndpointAddress).

Document Service Address

This is the URL to which the Oracle IPM adapter uploads the documents (OracleIPM11G.DocumentService.EndpointAddress).

Document Content Service Address

This is the URL to which the Oracle IPM adapter uploads the documents (OracleIPM11G.DocumentConetntService.EndpointAddress).

Note: For websphere application server, the above three service address must end with “?wsdl”

Example for Login Service Address:

Webpsphere: <http://10.10.10.10:1010/imaging/ws/LoginService?wsdl>

Weblogic: <http://10.10.10.10:1010/imaging/ws/LoginService>

Similarly, this is applicable for Document Service Address and Document Content Service Address as well.

IPM User Name

This is the user name accessing Oracle IPM (OracleIPM11G.Authentication.UserName).



IPM Password

This is the password for the above IPM user name (OracleIPM11G.Authentication.Password).

IPM Application Name

This indicates the license that provides login rights to Oracle IPM (OracleIPM11G.Application).

HTTP Session Maintain

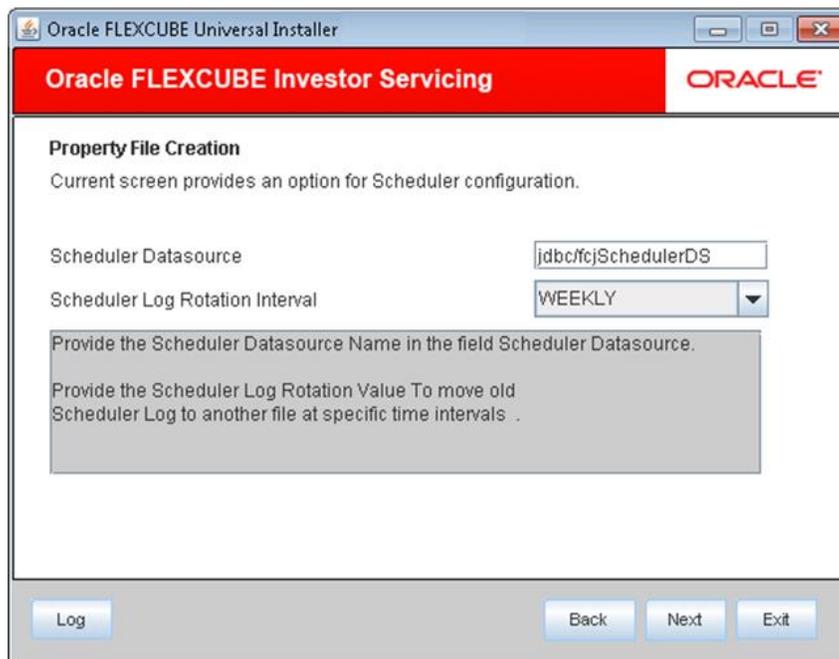
This checkbox indicates whether HTTP session to be maintained or not (OracleIPM11G.MaintainSession).

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

1.2.9 Configuring Scheduler

Only for Custom Installation

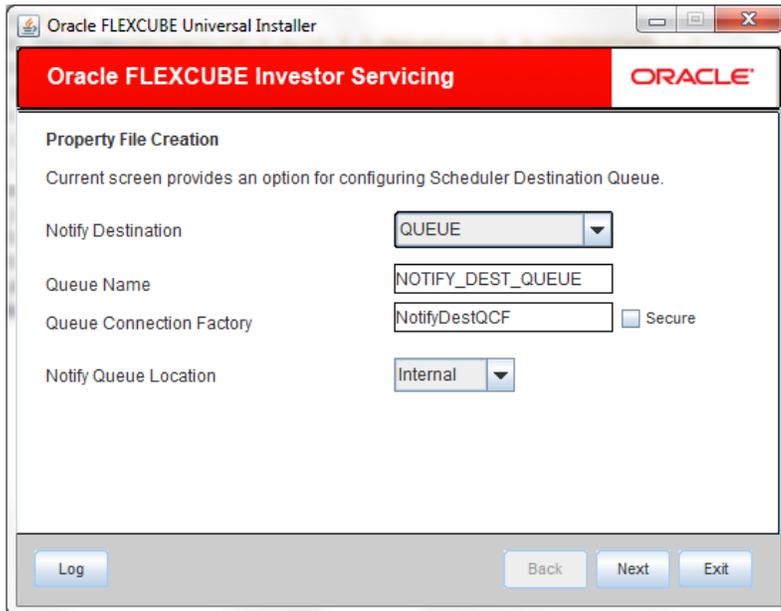
This section describes the method to configure scheduler data source. The following screen is displayed.



The screenshot shows a window titled "Oracle FLEXCUBE Universal Installer" with a red header bar containing "Oracle FLEXCUBE Investor Servicing" and the "ORACLE" logo. The main content area is titled "Property File Creation" and contains the following text: "Current screen provides an option for Scheduler configuration." Below this, there are two input fields: "Scheduler Datasource" with the value "jdbc/fejSchedulerDS" and "Scheduler Log Rotation Interval" with the value "WEEKLY". A grey box contains instructions: "Provide the Scheduler Datasource Name in the field Scheduler Datasource." and "Provide the Scheduler Log Rotation Value To move old Scheduler Log to another file at specific time intervals .". At the bottom, there are four buttons: "Log", "Back", "Next", and "Exit".

1. Specify the Scheduler Datasource which Oracle FLEXCUBE Investor Servicing will access.

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



3. Specify the following details:

Notify Destination

Specify the notify destination. Choose 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.

Notify Queue Location

Select notify queue location from drop-down list. The list displays the following values:

- Internal
- External

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.

Oracle FLEXCUBE Universal Installer

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: [Empty]

Caller Password: [Empty]

Notify Queue Location: Internal

Log Back Next Exit

Caller ID

Specify the caller ID for the secured queue connection factory.

Caller Password

Specify the password for the caller ID to access the secured queue connection factory.

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

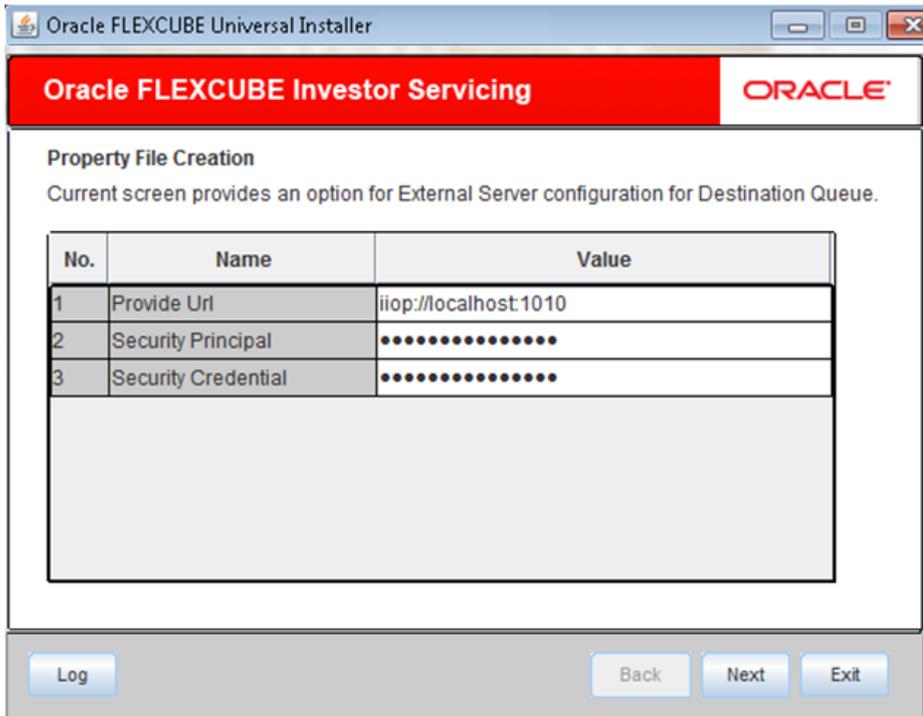
Notify Queue Location

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

- Internal
- External

Note: 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 will not be 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', you will be navigated to the following screen.



5. You need to specify the following details of the external queue.

Provider URL

Specify the provide URL (iiop://localhost:1010).

1010 is the default IIOP port.

Security Principal

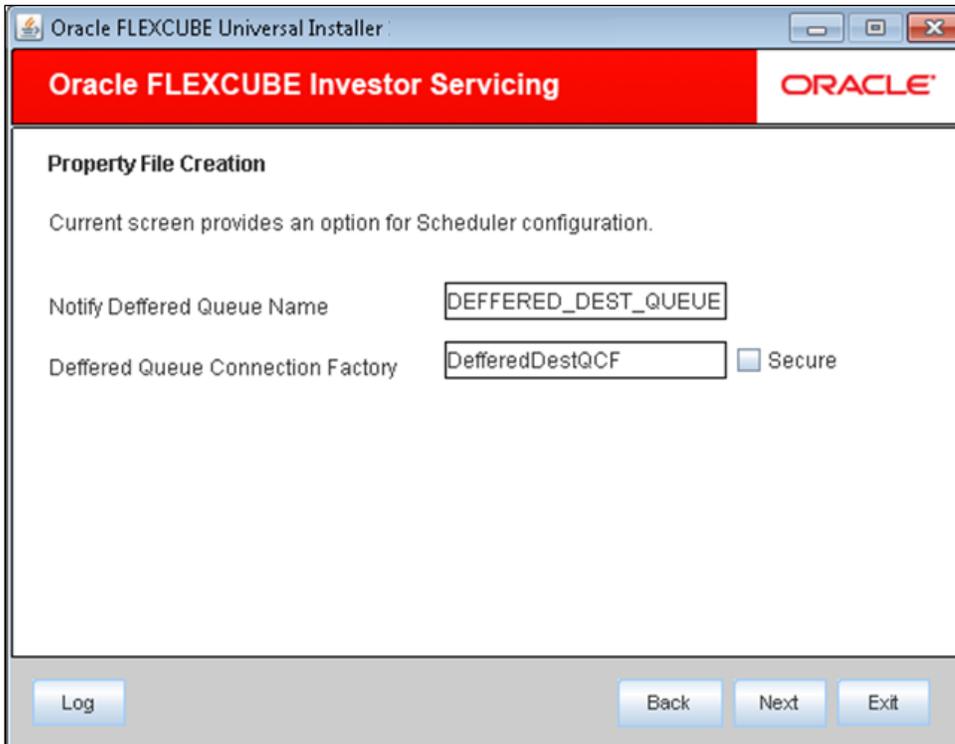
Specify the login ID to access the application server.

Security Credentials

Specify the password to access the application server.

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

Note: 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 'DefferedDestQcf' as the deffered 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

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for Scheduler configuration.

Notify Deferred Queue Name: DEFERRED_DEST_QUEUE

Deferred Queue Connection Factory: DeferredDestQCF Secure

Caller ID: [Empty]

Caller Password: [Empty]

Log Back Next Exit

- Specify the caller ID and caller password for the secured deferred queue connection factory.
- Click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing 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

- Specify the following details:

ORACLE

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.

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing 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

Caller ID: [Empty]

Caller Password: [Empty]

Log Back Next Exit

11. Specify the caller ID and caller password for the secured notify queue connection factory.

12. Click 'Next'. The following screen is displayed for WEBSPHERE application server. For WEBLOGIC, the below screen is not displayed.

Oracle FLEXCUBE Universal Installer 14.4.0.0.0

Oracle FLEXCUBE Investor Servicing **ORACLE**

Property File Creation
Current screen provides an option for Scheduler configuration.

No.	Name	Value
1	Queue Auto Acknowledge	AUTO_ACKNOWLEDGE
2	Queue Trasaction	<input checked="" type="checkbox"/>
3	Queue Delivery Option	2
4	Queue Time To Live	0
5	Queue Priority	1

Log Back Next Exit

1.2.10 Setting EMS Properties

Only for Custom Installation except EMS FTP/FTPS

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:

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	<input type="checkbox"/>
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

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 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.

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 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.

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	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 is configured.

Incoming Queue Name

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

Outgoing Queue Name

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

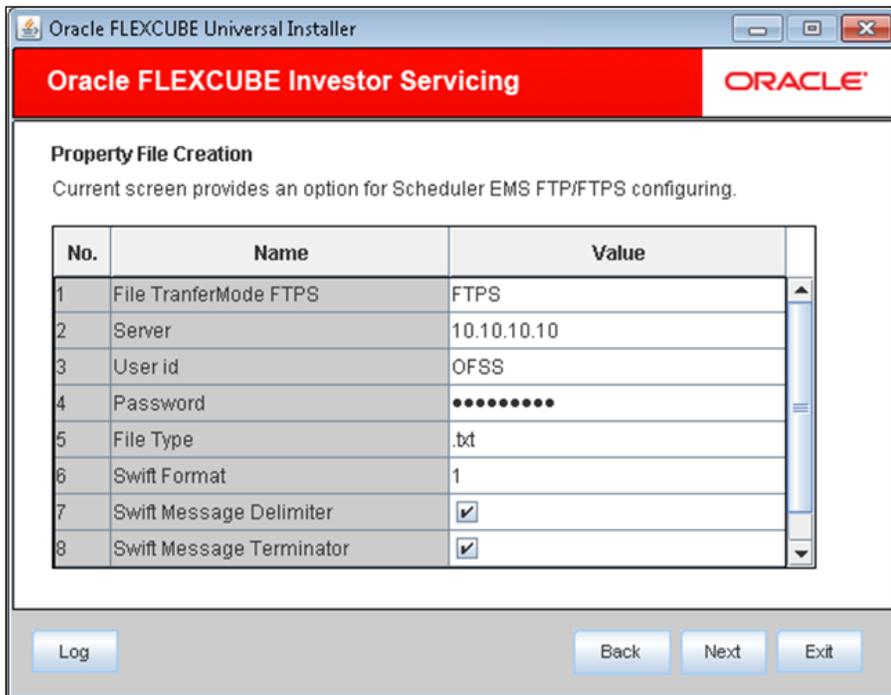
SFMS Incoming Queue

Specify the SFMS Incoming Queue.

RTGS Incoming Queue

Specify the RTGS incoming Queue.

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



The screenshot shows the Oracle FLEXCUBE Universal Installer window. The title bar reads "Oracle FLEXCUBE Universal Installer". The main window has a red header with "Oracle FLEXCUBE Investor Servicing" and the "ORACLE" logo. Below the header, the section is titled "Property File Creation" and includes the text: "Current screen provides an option for Scheduler EMS FTP/FTPS configuring." A table with 8 rows and 3 columns (No., Name, Value) is displayed. The table contains the following data:

No.	Name	Value
1	File TransferMode FTPS	FTPS
2	Server	10.10.10.10
3	User id	OFSS
4	Password
5	File Type	.txt
6	Swift Format	1
7	Swift Message Delimiter	<input checked="" type="checkbox"/>
8	Swift Message Terminator	<input checked="" type="checkbox"/>

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

For Default Installation following screen is shown.

Default Installation
Current screen provides an option for Scheduler EMS FTP/FTPS configuring.

No.	Name	Value
1	Server	10.10.10.10
2	User id	OFSS
3	Password	••••••••

Log Back Next Exit

4. Specify the following details:

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 to for the above user ID.

File Type

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

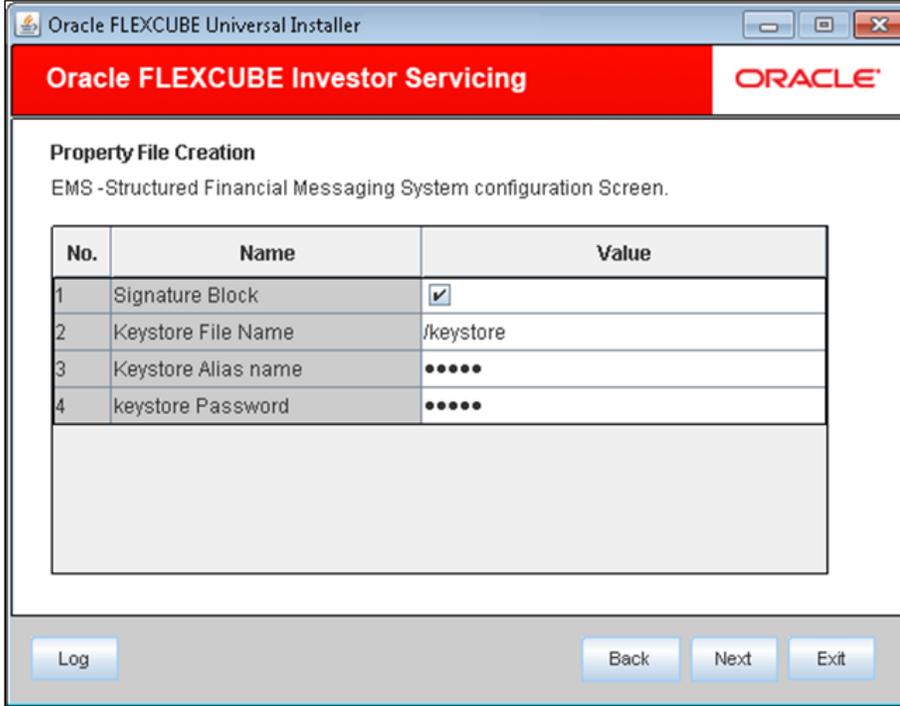
SWIFT Message Delimiter

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'. The following screen is displayed.



6. Specify the following details:

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.

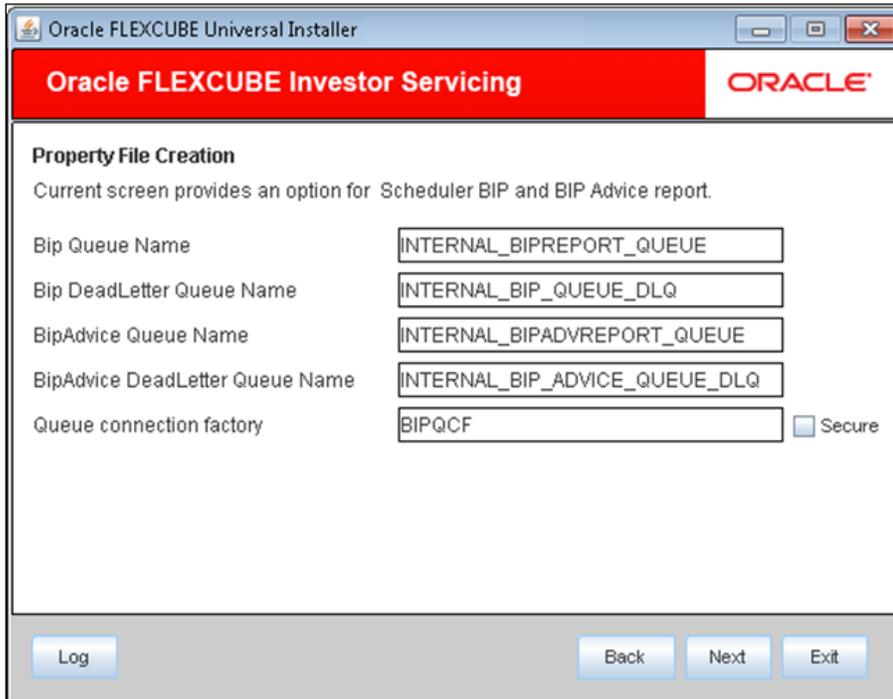
7. Once you have specified the above details, click 'Next'.

1.2.11 Setting BIP and BIP Advice Report

Only for Custom Installation

This screen describes how to create the property file. Here, you need to set the BIP and BIP Advice report details.

1. The following screen is displayed:



The screenshot shows a window titled "Oracle FLEXCUBE Universal Installer" with a red header bar containing "Oracle FLEXCUBE Investor Servicing" and the "ORACLE" logo. The main content area is titled "Property File Creation" and contains the following text: "Current screen provides an option for Scheduler BIP and BIP Advice report." Below this, there are five input fields with the following values: "Bip Queue Name" (INTERNAL_BIPREPORT_QUEUE), "Bip DeadLetter Queue Name" (INTERNAL_BIP_QUEUE_DLQ), "BipAdvice Queue Name" (INTERNAL_BIPADVREPORT_QUEUE), "BipAdvice DeadLetter Queue Name" (INTERNAL_BIP_ADVICE_QUEUE_DLQ), and "Queue connection factory" (BIPQCF). A "Secure" checkbox is present next to the Queue connection factory field. At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

2. Specify the following details to set the EMS properties:

BIP Queue Name

Specify the BIP queue name as 'INTERNAL_BIPREPORT_QUEUE'.

BIP DeadLetter Queue Name

Specify the BIP deadletter queue name as 'INTERNAL_BIP_QUEUE_DLQ'.

BIPAdvice Queue Name

Specify the BIP advice queue name as 'INTERNAL_BIPADVREPORT_QUEUE'.

BIPAdvice DeadLetter Queue Name

Specify the BIP advice dead letter queue name as 'INTERNAL_BIP_ADVICE_QUEUE_DLQ'.

Queue Connection Factory

Specify the queue connection factory as 'BIPQCF'.

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

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Current screen provides an option for Scheduler BIP and BIP Advice report.

Bip Queue Name: INTERNAL_BIPREPORT_QUEUE
Bip DeadLetter Queue Name: INTERNAL_BIP_QUEUE_DLQ
BipAdvice Queue Name: INTERNAL_BIPADVREPORT_QUEUE
BipAdvice DeadLetter Queue Name: INTERNAL_BIP_ADVICE_QUEUE_DLQ
Queue connection factory: BIPQCF Secure
Caller ID:
Caller password:

Log Back Next Exit

3. Specify the caller ID and caller password for the secured queue connection factory.
4. Once you have specified the above details, click 'Next'.

1.2.12 Setting GI Upload Properties

Only for Custom Installation

This screen describes how to specify the GI upload property details. Here you need to set the GI Upload properties.

1. The following screen is displayed:

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Current screen provides an queue configuration details for Scheduler GI Upload.

Queue Name: INTERNAL_GI_UPLOAD_QUEUE

Dead Letter Queue Name: INTERNAL_GI_UPLOAD_DLQ

Queue connection factory: GI_UPLOAD_QCF Secure

Log Back Next Exit

2. Specify the following details:

Queue Name

Specify the queue name as 'INTERNAL_GI_UPLOAD_QUEUE'.

Dead Letter Queue Name

Specify the dead letter queue name as 'INTERNAL_GI_UPLOAD_DLQ'.

Queue Connection Factory

Specify the queue connection factory as 'GI_UPLOAD_QCF'.

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

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Current screen provides an queue configuration details for Scheduler GI Upload.

Queue Name: INTERNAL_GI_UPLOAD_QUEUE

Dead Letter Queue Name: INTERNAL_GI_UPLOAD_DLQ

Queue connection factory: GI_UPLOAD_QCF Secure

Caller ID:

Caller Password:

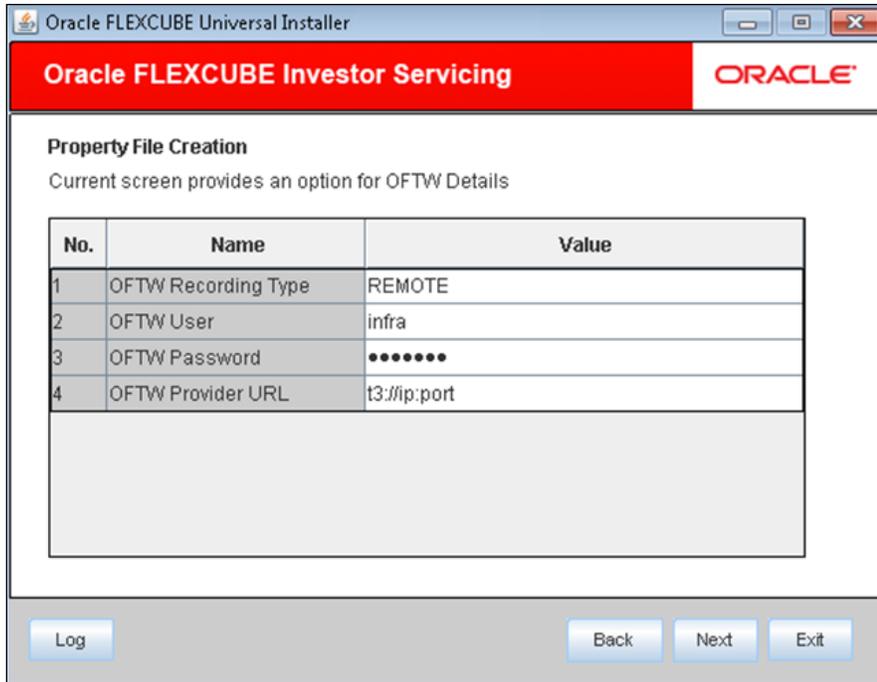
Log Back Next Exit

3. Specify the caller ID and caller password for the secured queue connection factory.
4. Once you have specified the above details, click 'Next'.

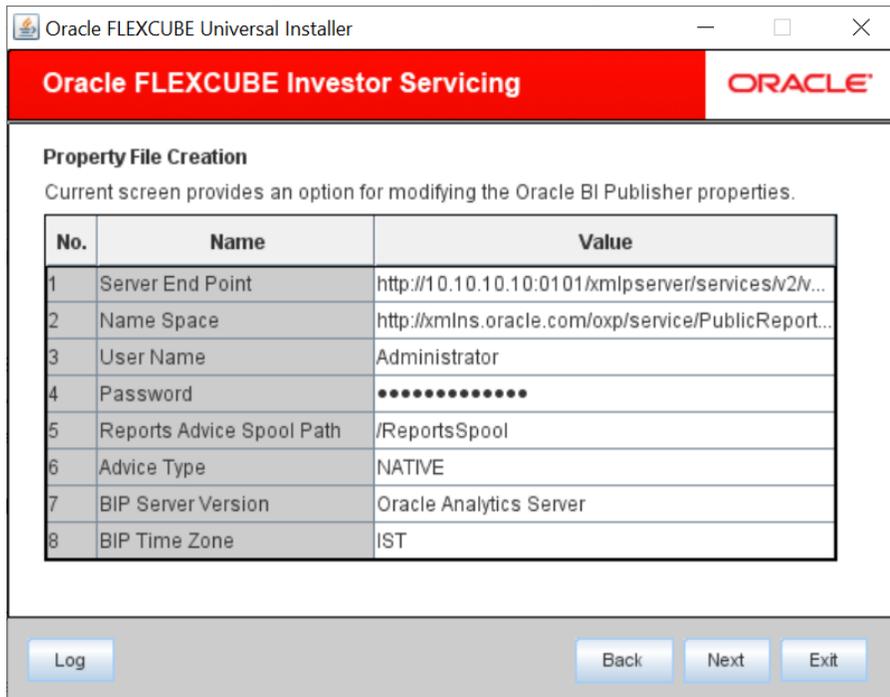
1.2.13 Setting Report Properties

This section describes the methods to set report properties.

1. The following screen is displayed.



2. Click 'Next' to navigate to next page.



3. Specify the following details:

Server End Point

Specify the BIP end point.

If BIP Server Version is 10g, the server end point should end with 'PublicReportService_v11'.

Eg: BIP_END_POINT=http://<bip server url>/xmlpserver/services/PublicReportService_v11

If BIP Server Version is OAS, the server end point should end with 'PublicReportService?WSDL'.

Eg: BIP_END_POINT=http://<bip server url>/xmlpserver/services/PublicReportService?WSDL

Name Space

Specify the BIP name space.

By default, the installer displays 'http://xmlns.oracle.com/oxp/service/PublicReportService'.

User Name

Specify the BIP user name. By default, the Installer displays 'Administrator'.

Password

Specify the password for the above user name. By default, the Installer sets it as 'Administrator'.

Reports Spool Path

Specify the reports spool path. By default, the Installer displays 'D:\\BrnDbgs\\ADV\\'.

Advice Type

Specify the advice type. You can choose one of the following:

- NATIVE – This advice type is used for generating advices in text format
- BIP – This advice type is used for generating advices in PDF format.

BIP Server Version

Specify the qualified BIP server version. You can select the appropriate one from the drop-down list.

BIP Time Zone

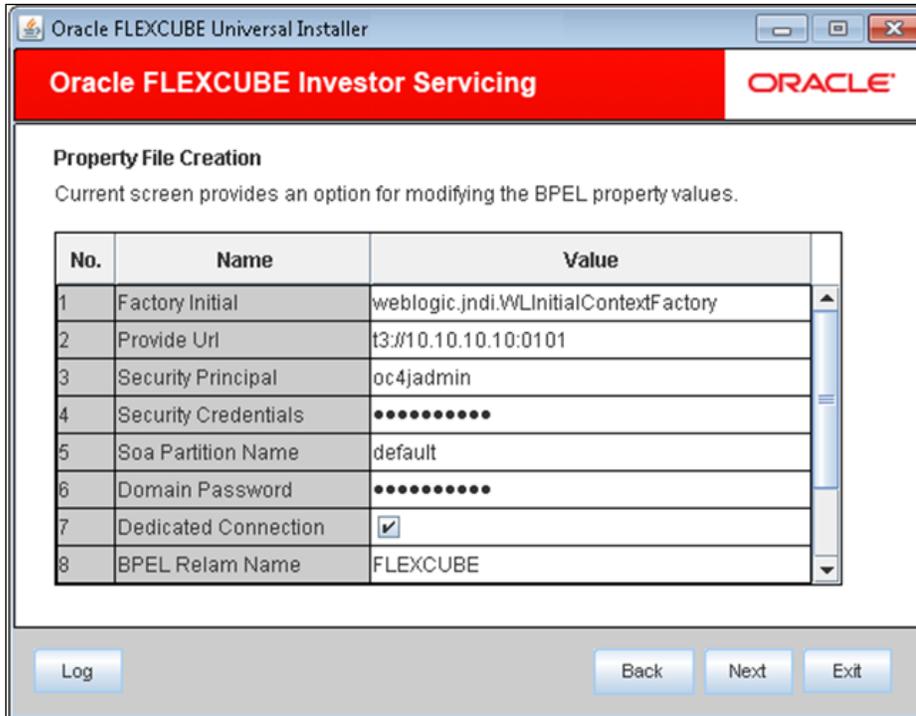
Specify valid Time Zone for the BIP server. You can select the appropriate one from the drop-down list.

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

1.2.14 Setting BPEL Properties

If you have included BPEL option in the setup, then you need to set the BPEL properties.

1. Set the BPEL properties.



2. Specify the following details:

Factory Initial

Specify the factory initial.

Provider URL

Specify the URL of the server. Enter the IP address, target server port (AdminServer/ManagedServer) and the context root.

Security Principal

Specify the user name to access the application server where BPEL is installed.

Security Credentials

Specify the password for the above user name.

SOA Partition Name

Specify the SOA Partition Name. By default it will be the Installer sets it to 'default'.

Domain Password

Specify the domain password for which SOA server is extended

Dedicated Connection

Check this box to indicate that this connection is not used for other purposes.

BPEL Realm Name

Specify the BPEL realm name.

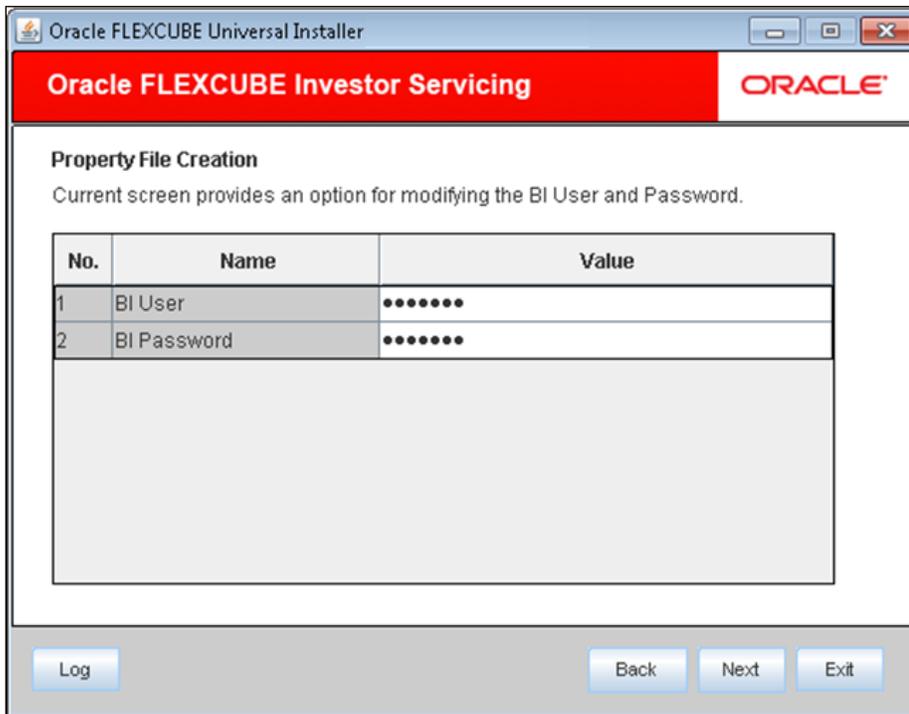
BAM URI

Specify the BAM URI.

BPM Installed

Check this box if the BPM is installed.

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



4. Specify the following details:

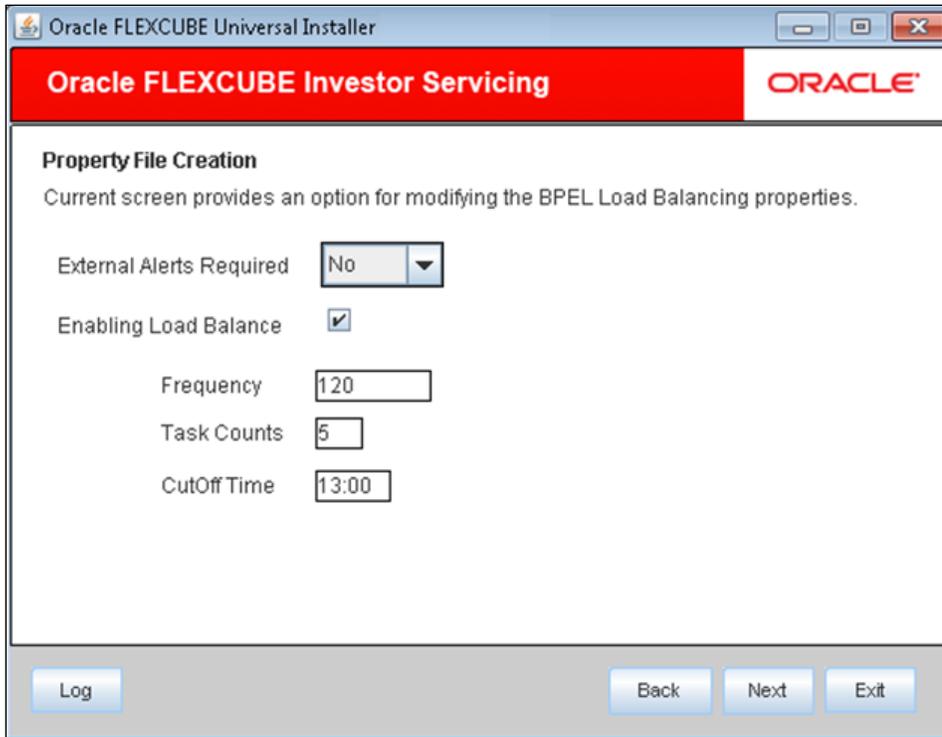
BI User Name

Specify the BI user name.

BI Password

Specify the password for the above user name.

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



6. Specify the following details:

Enabling Load Balance

Check this box to enable BPEL load balance.

Frequency

Specify the balance load frequency.

Task Counts

Specify the balance load task count.

Cut-off Time

Specify the balance load cut-off time.

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

1.2.15 Chatbot Properties

This section describes the method to configure Chatbot properties.

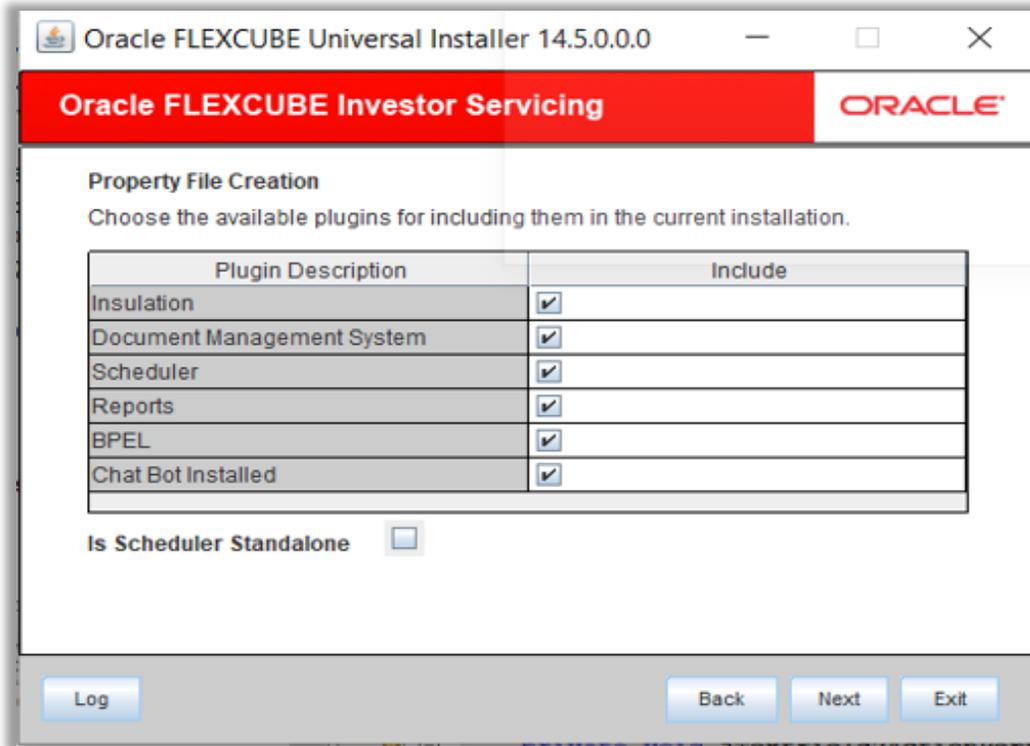
FCIS makes use of web-sdk provided by Oracle to connect to the chatbot server. The web-sdk JavaScript files need to be downloaded separately.

The parameter chatbot to denote enable/disable is added in fcubs.properties file.

Detailed information on integrating Chatbot is provided in FCIS_ODA integration user guide.

CHAT_BOT_INSTALLED

1. If you do require Chatbot option, specify as 'Y', If you do not require Chatbot option, specify as 'N'.
2. The following screen is displayed and you can choose plugins to be installed.



3. Once you check the box to include plugins in installation, the installer navigates to the following screen on clicking 'Next' button.

Oracle FLEXCUBE Universal Installer 14.5.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Provide the chat bot url and chat bot channel values

Chat BOT URL

Chat BOT Channel Id

Log Back Next Exit

4. Enter the following details and click on 'Log' to configure.

CHAT_BOT_URL

FCIS connects to the chat server via URI.

Specify the URI, which is the Chat Server URL and it should not contain 'https://'.

CHAT_BOT_CHANNEL

FCIS connects to the chat server through a Chatbot channel id.

Specify the channel id, which is the web channel id through which communication happens.

Oracle FLEXCUBE Universal Installer 14.5.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Provide the chat bot url and chat bot channel values

Chat BOT URL 3ded-t0.data.digitalassistant.oci.oc-test.com

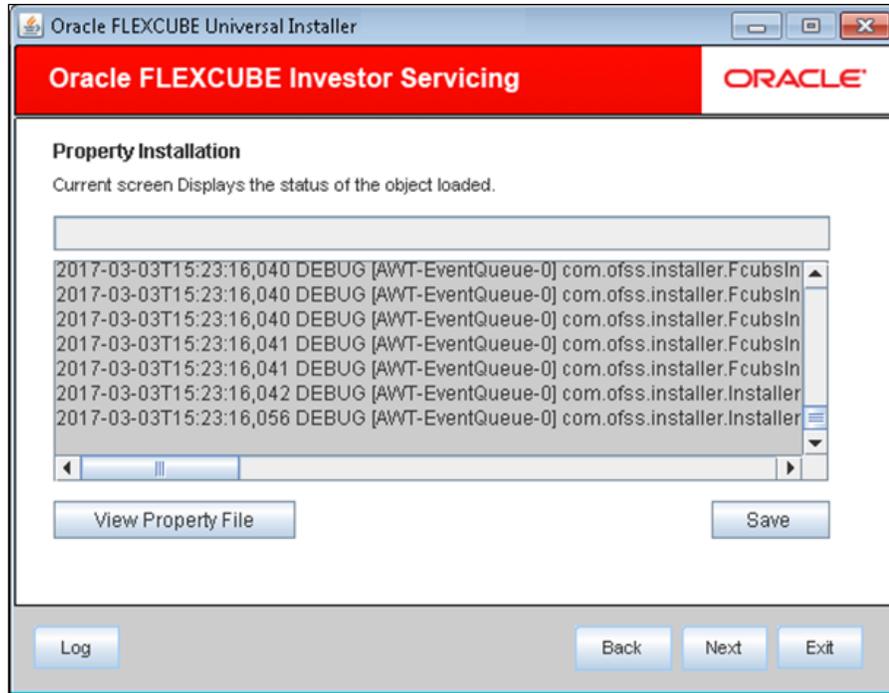
Chat BOT Channel Id 48286b66-5cd5-4804-9457-de12082337c7

Log Back Next Exit

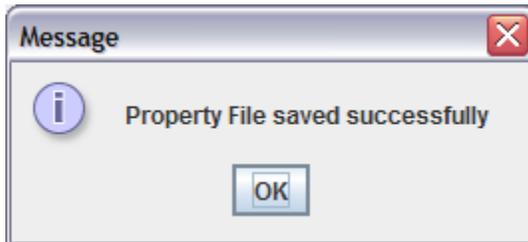
1.2.16 Saving Property File

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

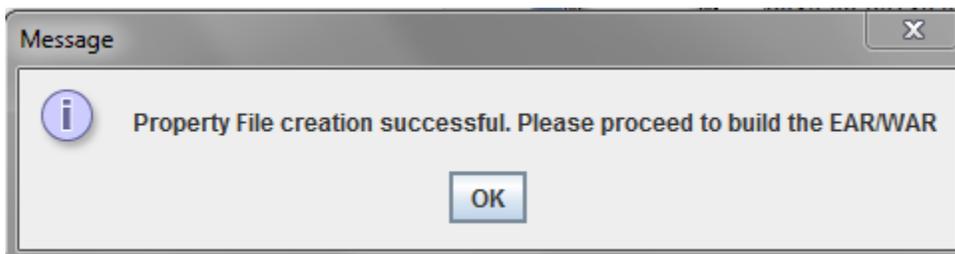
1. Save the property file.



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.



On click of OK installer displays the following message



3. This completes the properties file creation.

1.3 Silent config file maintenance

For the config file maintenance, the below file properties are mandatory,

- Env.properties
Individual Fix or Installer needs this property.
- SilentEAR FCIS App ear/GW – WS, Rest, GWEJB RESTEJB, GW MDB GWHTTP
It is used to Build Application or Gateway EAR
- SilentDBCompilation
It is used For DB Compilation
- FCIS, Gateway Application Properties (can be generated using Installer)

1.3.1 Env.properties

- SINGLE_FIX_SCHEMA_NAMES
- BUILD_PROPERTY_PATH
- SYMMETRIC_KEY
- USERNAME
- PASSWORD
- PORT
- SERVICENAME
- IP
- JAVA_HOME
- APPSERVER_HOME
- ORACLE_HOME

Individual Fix installer will validate whether the above eleven properties are available or not. The first eight properties are not required for the existing installer to run.

Env.properties is located in the path, <INSTALLER_PATH>//SOURCE/logs/env.properties

SINGLE_FIX_SCHEMA_NAMES

It specifies the schema names with Tilde(~) separator.

BUILD_PROPERTY_PATH

It specifies the property file used for DB compilation or EAR build.

SYMMETRIC_KEY

One needs to specify the symmetric key, which can be used to decrypt the encrypted property.

USERNAME

It is the schema name with encrypted format.

PASSWORD

It is the schema password with encrypted format

PORT

It specifies the port number, that schema needs to connect.

SERVICENAME

It is the schema service name with encrypted format.

IP

It is the IP or Host name with encrypted format.

JAVA_HOME

It is the Java Home path.

APPSERVER_HOME

It denotes the Application server home path.

ORACLE_HOME

It specifies the Oracle DB home path.

Individual fix installer uses property number 4,5,6,7,8 and connects the schema to update the Applied fix status. Same schema details will be passed to existing installer to update the bug status in case of SINGLE_FIX_SOURCE=Y.

PROPERTIES OF INDIVIDUAL FIX INSTALLER

The below properties are automatically added by Individual Fix installer while applying the fix.

SINGLE_FIX_SOURCE

This value can be Y or N. For individual Fix, the value should be Y.

SINGLE_FIX_BUG_TYPE

The value of this property will be A or D. The value D is for DB bug and value A is for any Java /JS bug.

BUG_TABLE_NAME

The value is CSTB_APPLIED_POINT_FIXES. It is the name of point fix tracker table.

BUG_NUMBER

The number that denotes which bug is being applied.

SOURCE_PATH

It is the path where the source is located and it is taken for DB compilation.

Same env.properties file and its schema details should be maintained for all the bug.

1.3.2 Silent EAR

- Individual Fix installer internally calls the Silent EAR building for FCIS Application EAR preparation.

- Sample file is available in <INSTALLER_PATH>SOURCE\config\Silent\silentConfigBuild.properties.

For Application EAR building,

- The property **APPLICATION_TYPE** should be **FCIS**.
- Schema details should be encrypted.
- In PROPERTY_FILE_PATH, the property should specify the fcubs.properties file path.
- The individual fix Installer will validate whether the below properties are maintained in fcubs.properties,
 - APPLICATION_NAME, APPLICATION_SERVER,
 - APPLICATION_WORK_AREA, DEBUG, SSL_ENABLED,
 - BRANCH_CENTRALIZED, REQUEST_TIME_OUT, CONNECTION_TIME_OUT,
 - INIT_DATASOURCE, SIGNATURE_PATH, EXCEL_PATH
- Whenever JAVA fixes is applied using the Individual fix installer, the consolidated fixes will be copied into Latest Rolled up sources then the EAR building will use the rolled up path.

For GATEWAY Application EAR building,

- The APPLICATION_TYPE must be Gateway.

A. Gateway EJB

- In PROPERTY_FILE_PATH, the property should contain GW_EJB_Prop.properties location.
- The GATEWAY_APPLICATION_TYPE must be Gateway EJB
- The below listed properties are mandatory in GW_EJB_Prop.properties,

XSD_PATH,FCUBS_ENVELOPE_XSD,MAX_CLOB_LEN,DB_TIMEOUT,LOGGER_PATH,FCIS_MSG_SCHEMA_CON_POOLNAME,FCIS_MSG_SCHEMA_CON_POSS_REQD,DISTRIBUTED_INSTALLATION,GW_LOGGER.FPATH,RTT_PLUGIN,MSG_IN_LOG_REQ,MSG_OUT_LOG_REQ,SYMMETRIC_KEY

B. Gateway Webservices (SOAP)

- In PROPERTY_FILE_PATH, the property should contain GW_WS_Prop.properties location.
- The GATEWAY_APPLICATION_TYPE must be Gateway WebServices.

INDIVIDUAL

- In this, the WEBSERVICE_TYPE must be Individual.
- The INDIVIDUAL_WEBSERVICE_SELECTED should contains the service name with Tilde (~) separator. If the value is empty, then MODULES_REQD EAR will be generated.
- The below listed properties are mandatory in GW_WS_Prop.properties

INDIVIDUAL_WEBSERVICE_SELECTED,EJB_JNDI_NAME,EJB_CALL_TYPE,EJB_CTX_FACTORY,EJB_SERVER_URL,EJB_SECURITY_PRINCIPAL,EJB_SECURITY_CREDENTIALS,LOGGER_PATH,GW_LOGGER.FPATH,XSD_PATH,RTT_PLUGIN,MSG_IN_LOG_REQ,MSG_OUT_LOG_REQ,DISTRIBUTED_INSTALLATION,SYMMETRIC_KEY,FCIS_MSG_SCHEMA_CON_POOLNAME,FCIS_MSG_SCHEMA_CON_POSS_REQD,MAX_CLOB_LEN,DB_TIMEOUT

INTEGRATED

- In this, the WEBSERVICE_TYPE must be Integrated.
- MODULES_REQD should contain ALL or specific Module(UT/SM etc).
- The below listed properties are mandatory in GW_WS_Prop.properties,

"EJB_JNDI_NAME","EJB_CALL_TYPE","EJB_CTX_FACTORY","EJB_SERVER_URL","EJB_SECURITY_PRINCIPAL","EJB_SECURITY_CREDENTIALS","LOGGER_PATH","GW.LOGGER.FPATH","XSD_PATH","RTT_PLUGIN","MSG_IN_LOG_REQ","MSG_OUT_LOG_REQ","DISTRIBUTED_INSTALLATION","SYMMETRIC_KEY","FCIS_MSG_SCHEMA_CON_POOLNAME","FCIS_MSG_SCHEMA_CON_POSS_REQD","MAX_CLOB_LEN","DB_TIMEOUT"

C. REST EJB

- In PROPERTY_FILE_PATH, the property should contain GW_RESTEJB_Prop.properties location.
- The GATEWAY_APPLICATION_TYPE must be RESTEJB.
- The below listed properties are mandatory in GW_RESTEJB_Prop.properties,

FCUBS_SMS_POOL_NAME,LOGGER_PATH,GW.LOGGER.FPATH,APPLICATION_SERVER,SYMMETRIC_KEY,REST_MSG_SCHEMA_CON_POOLNAME,MSG_IN_LOG_REQ,MSG_OUT_LOG_REQ,DEPLOYMENT_TYPE,OPSS_ENABLED

D. REST Web Services

- In PROPERTY_FILE_PATH, the property should contain GW_REST_Prop.properties location.
- The GATEWAY_APPLICATION_TYPE must be RESTWS.

INDIVIDUAL

- In this, the WEBSERVICE_TYPE must be Individual.
- INDIVIDUAL_WEBSERVICE_SELECTED should contains the service name with Tilde (~) separator. if the value is empty, then MODULES_REQD EAR will be generated.
- The below listed properties are mandatory in GW_REST_Prop.properties,

INDIVIDUAL_WEBSERVICE_SELECTED,FCUBS_SMS_POOL_NAME,LOGGER_PATH,GW.LOGGER.FPATH,APPLICATION_SERVER,SYMMETRIC_KEY,REST_MSG_SCHEMA_CON_POOLNAME,DEPLOYMENT_TYPE,OPSS_ENABLED,REST_EJB_CTX_FACTORY,REST_EJB_PROV_URL,REST_EJB_SECURITY_PRINCIPAL,REST_EJB_SECURITY_CREDENTIALS,REST_EJB_JNDI_NAME,DEPLOYMENT_TYPE,DISTRIBUTED_INSTALLATION

INTEGRATED

- In this, the WEBSERVICE_TYPE must be Integrated.
- MODULES_REQD should contains ALL or specific Module(UT/SM etc)
- The below listed properties are mandatory in GW_REST_Prop.properties,

FCUBS_SMS_POOL_NAME,LOGGER_PATH,GW.LOGGER.FPATH,APPLICATION_SERVER,SYMMETRIC_KEY,REST_MSG_SCHEMA_CON_POOLNAME,DEPLOYMENT_TYPE,OPSS_ENABLED,REST_EJB_CTX_FACTORY,REST_EJB_PROV_URL,REST_EJB_SECURITY_PRINCIPAL,REST_EJB_SECURITY_CREDENTIALS,REST_EJB_JNDI_NAME,DEPLOYMENT_TYPE,DISTRIBUTED_INSTALLATION

1.3.3 **Silent DB Compilation**

- Individual Fix installer internally calls the Silent DB compilation for any DB related fixes.
- Sample file is available in the path, <INSTALLER_PATH>SOURCE\config\Silent\silentConfigDatabase.properties.
- Using the Installer UI, we can compile only one schema at a time. But using the Individual Fix/ silent installer DB compilation, one can compile the DB units in multiple schemas.
- Schema details need to be pre-configured in configuration file and based on the configuration order, it will execute the action.
- The NUMBER_OF_SCHEMA_EXECUTION property should contain the counts of schema need to be configured for DB compilation. For example, if the NUMBER_OF_SCHEMA_EXECUTION is 2, it indicates that the total of two schema details need to be maintained in configuration.

For Schema 1 Configuration,

- SCHEMA1_PASSWORD_INPUT=N
- SCHEMA1_USERNAME=MyTDumkOf3yX7Ujqg/ParA==
- SCHEMA1_PASSWORD=MyTDumkOf3yX7Ujqg/ParA==
- SCHEMA1_SERVICENAME=zlzzfnT7NMbIUf+PLBAzCw==
- SCHEMA1_CONNECTSTRING=zlzzfnT7NMbIUf+PLBAzCw==
- SCHEMA1_IP=/LGVQXLN5/luSe/nt1+jubXHhIrCOFHP2J/v73SmAeM=
- SCHEMA1_PORT=1521
- SCHEMA1_PARALLEL_THREAD_COUNT=
- SCHEMA1_LOAD_STATIC_DATA_REQUIRED=Y
- SCHEMA1_DDL_OBJECT_COMPILATION_REQUIRED=Y
- SCHEMA1_FCIS_SCHEMA=SMS
- SCHEMA1_DESTINATION_DIRECTORY=D:/FCIS/Output/SMS

For Schema 2 Configuration,

- SCHEMA2_PASSWORD_INPUT=N
- SCHEMA2_USERNAME=XtE/PhiEOiCjH5xsk1LO+A==
- SCHEMA2_PASSWORD=XtE/PhiEOiCjH5xsk1LO+A==
- SCHEMA2_SERVICENAME=zlzzfnT7NMbIUf+PLBAzCw==
- SCHEMA2_CONNECTSTRING=zlzzfnT7NMbIUf+PLBAzCw==
- SCHEMA2_IP=/LGVQXLN5/luSe/nt1+jubXHhIrCOFHP2J/v73SmAeM=
- SCHEMA2_PORT=1521
- SCHEMA2_PARALLEL_THREAD_COUNT=
- SCHEMA2_LOAD_STATIC_DATA_REQUIRED=Y
- SCHEMA2_DDL_OBJECT_COMPILATION_REQUIRED=Y

ORACLE

- SCHEMA2_FCIS_SCHEMA=LOB
- SCHEMA2_DESTINATION_DIRECTORY=D:/FCIS/Output/DISTB

The above example specified only two schema, but the user can specify 'N' number of schemas.



Setting up Property File
[July] [2021]
Version 14.4.0.4.0

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