

GATEWAY Property File Creation
Oracle FLEXCUBE Investor Servicing
Release 14.4.0.0.0
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1. Creating Property File for Gateway Applications

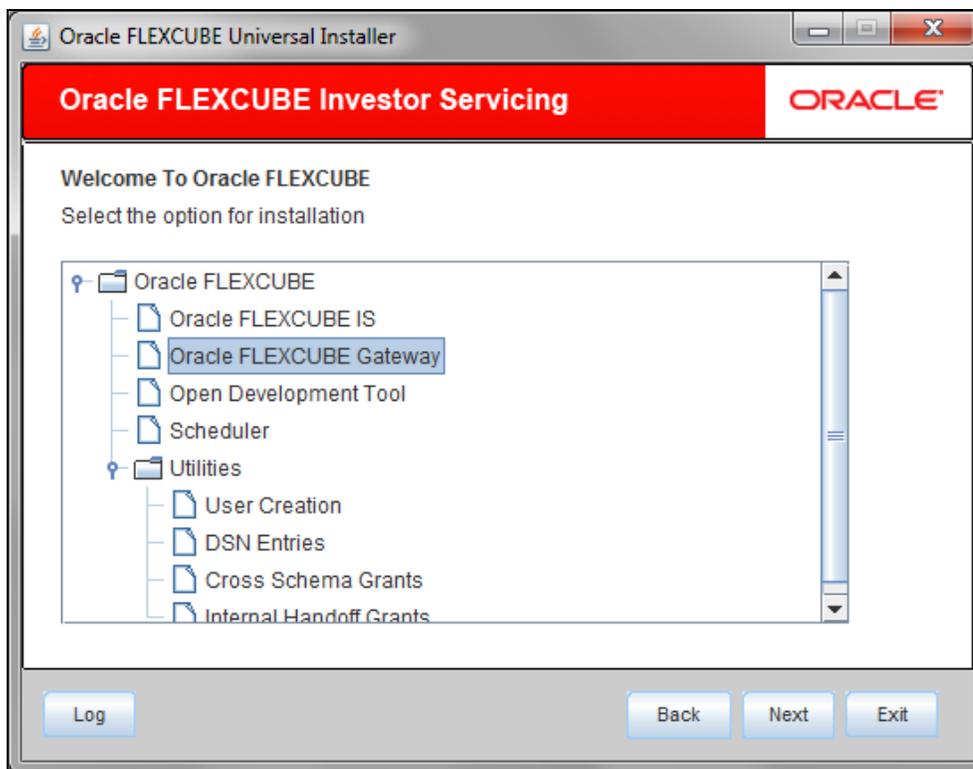
1.1 Introduction

This chapter explains the steps to create the property file for the gateway components namely, Enterprise Java Bean (EJB), Message Driven Beans (MDB), Web Services and HTTP Servlet.

1.2 Creating Property Files

Follow the steps given below:

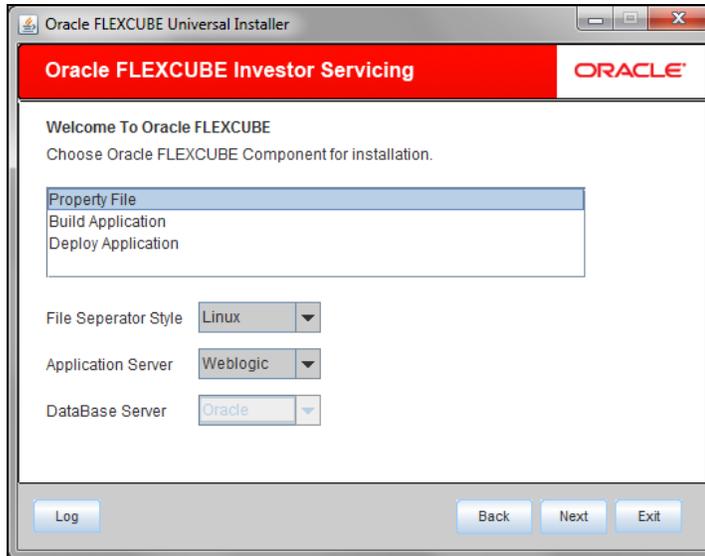
1. Start Oracle FLEXCUBE Universal Installer Welcome screen is displayed.



2. Select 'Oracle FLEXCUBE Gateway' and click 'Next'.

1.2.1 Gateway EJB Application

The following screen is displayed:



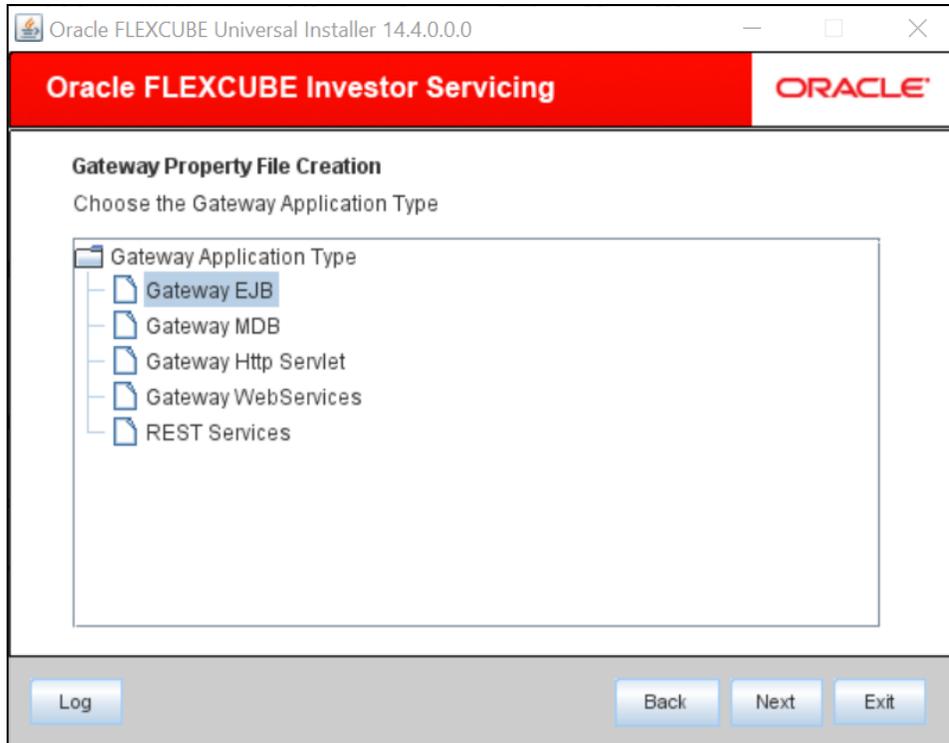
1. Choose the option 'Property File'.
2. Specify the following details:

Operating System

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

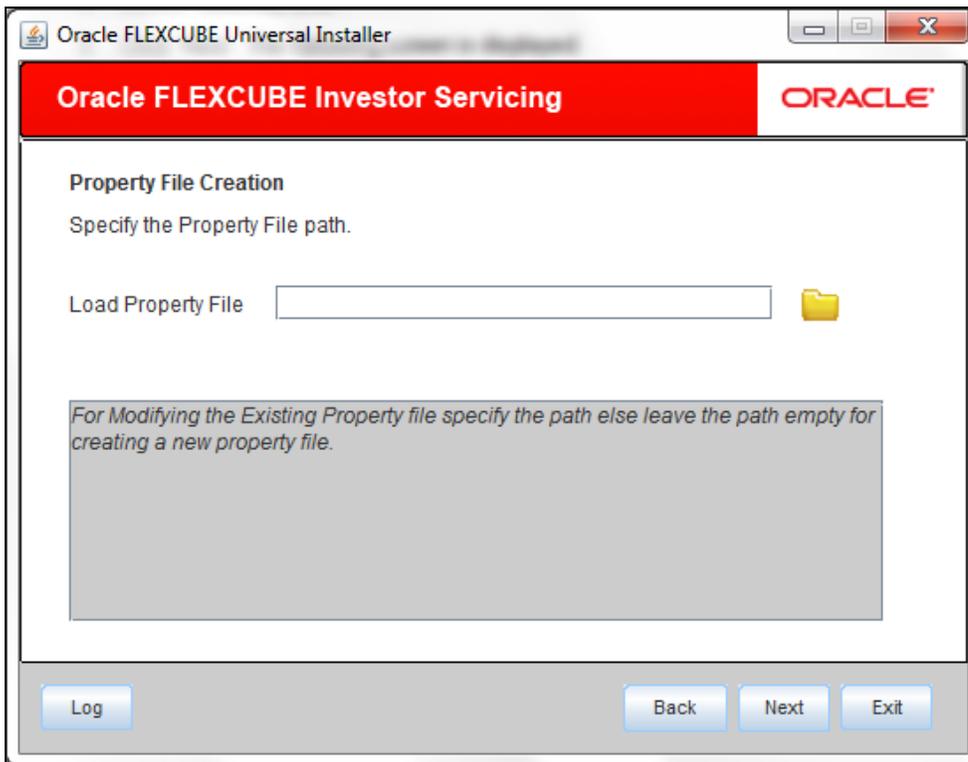
Application Server

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



3. Select 'Gateway EJB'.

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



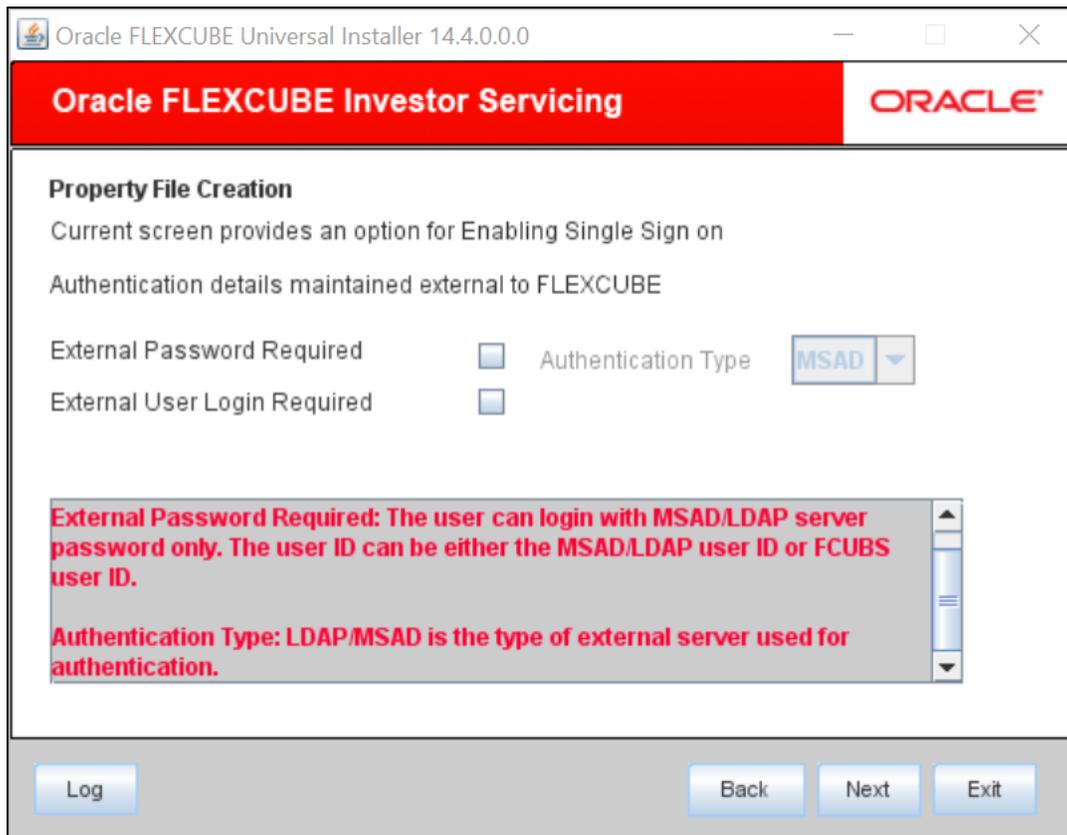
5. Specify the following details:

Load Property 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.

Note: Before proceeding, ensure that the folder structures used in the following steps are created.

6. Click 'Next'. The following screen is displayed:



7. Specify the following details.

External User Login Required

Check this box to enable user login using MSAD/LDAP user ID.

Note: If you check this box, the user can login with MSAD/LDAP server user ID as well as FCIS user ID. If you do not check this box, the user can login using FCIS user ID only.

Oracle FLEXCUBE Universal Installer 14.4.0.0.0

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 **MSAD**

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

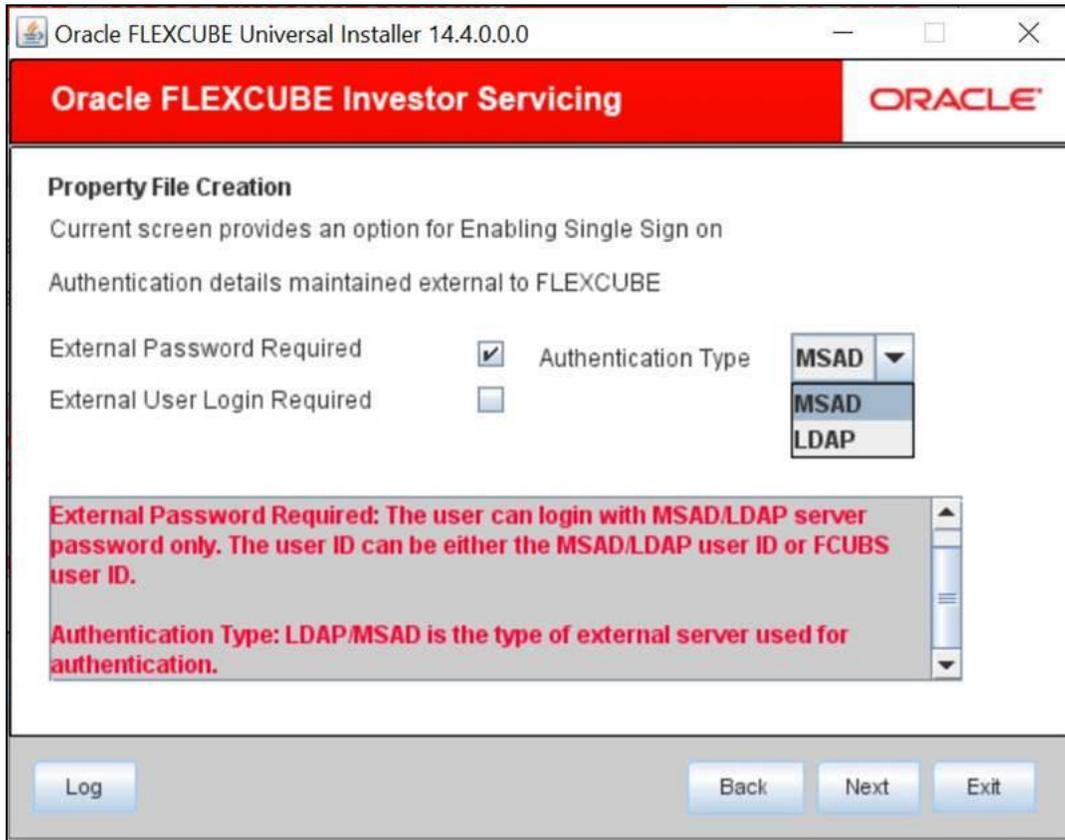
External Password Required

Check this box to allow user login using MSAD/LDAP password irrespective of the user ID.

Note: If you check this box, the user can login using MSAD/LDAP server password only. The user Id can be one of the following:

- MSAD/LDAP user ID
- FCIS user ID

If you do not check this box, then the installer skips the following screen and directly navigates to the Modifying Gateway Properties screen.



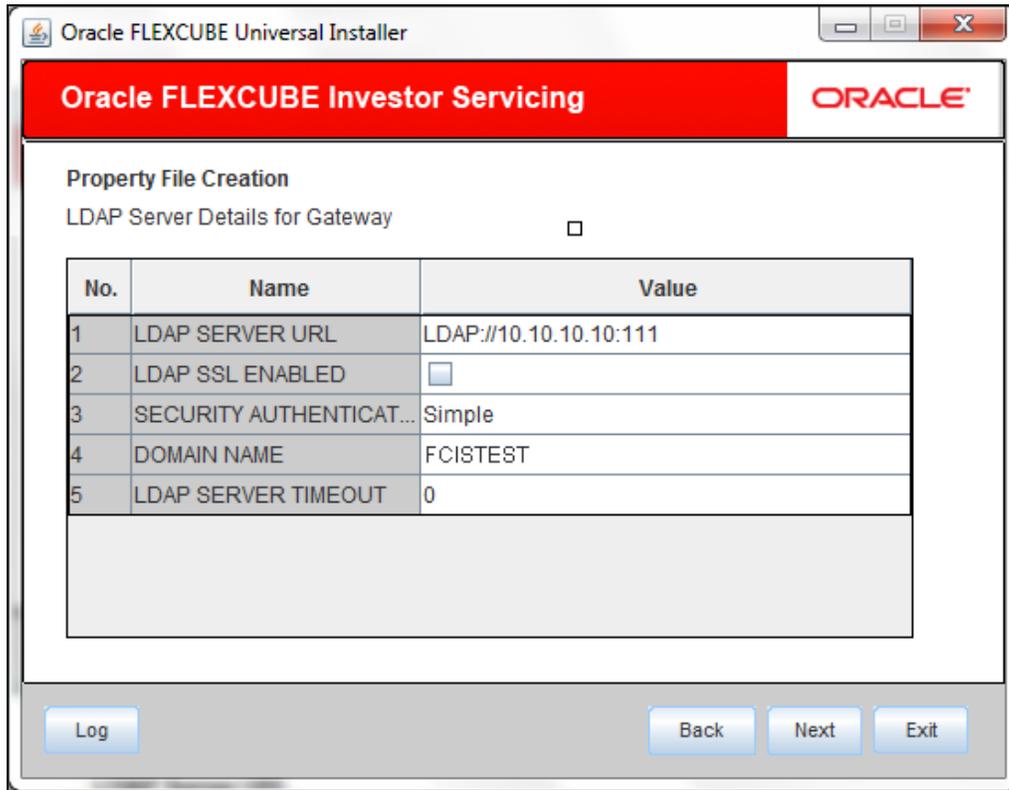
Authentication Type

Select the authentication type. 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)

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.



8. Specify the following LDAP server details.

LDAP Server URL

Specify the URL to access the LDAP server where the external user ID and password are maintained.

LDAP SSL Enabled

Check this box if the LDAP server is SSL enabled. If you check this box, then you need to specify the SSL port also in the field LDAP SERVER URL.

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

Security Authentication Type

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

- Simple
- Strong

Note the following:

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

Domain Name

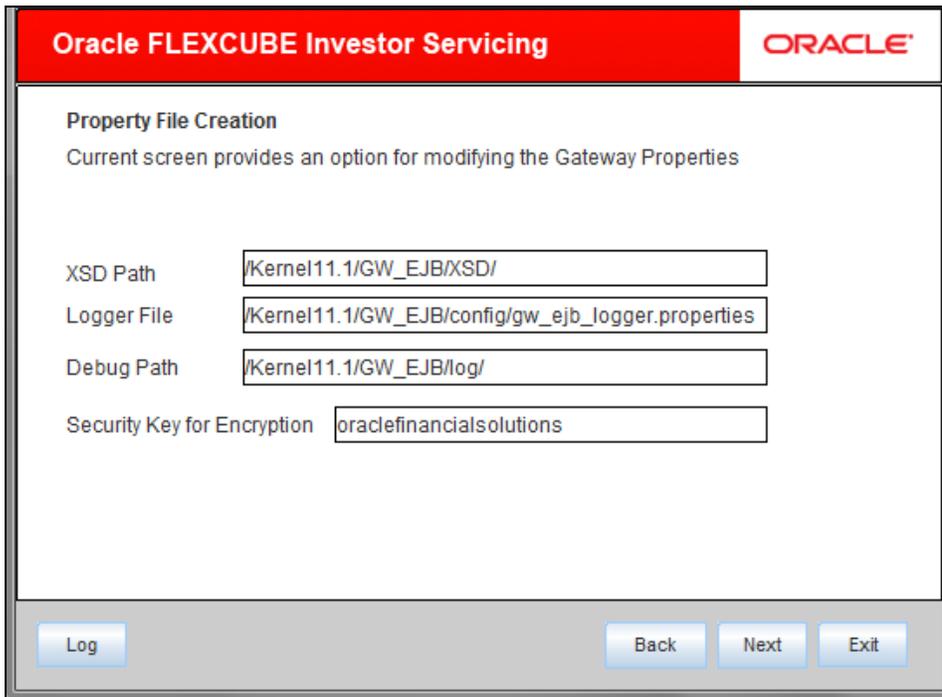
Specify the domain name.

LDAP Server Timeout

Specify the LDAP server timeout in milliseconds. This must be a positive integer value. For example you can specify 1000, 10000 or 5000. If it is zero or less, it indicates that no read timeout is specified. Then the wait for the response infinite until it is received.

By default, the LDAP server timeout is zero; however, you can change this.

9. Click 'Next'. The following screen is displayed:



The screenshot shows a software window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main content area is titled "Property File Creation" and contains the text "Current screen provides an option for modifying the Gateway Properties". Below this text are four input fields:

- XSD Path: /Kernel11.1/GW_EJB/XSD/
- Logger File: /Kernel11.1/GW_EJB/config/gw_ejb_logger.properties
- Debug Path: /Kernel11.1/GW_EJB/log/
- Security Key for Encryption: oraclefinancialsolutions

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

Specify the following details.

XSD Path

Specify the path to the XSD file. File name is not required. File separator must be '/'. There must be a '/' at the end. All the relevant XSD files must be manually copied to this location.

E.g.:

For Windows: D:\GW_EJB\XSD\

For Linux: /GW_EJB/XSD/

Logger File

Specify the path to the 'gw_ejb_logger.properties' file with the file name. The file must be manually copied to the specified location.

E.g.:

For windows: D:\GW_EJB\config\gw_ejb_logger.properties

For Linux: /GW_EJB/config/gw_ejb_logger.properties

Debug Path

Specify the path to the folder where the application creates the logs. There must be a '/' at the end. You need to manually create the specified folder structure.

E.g.:

For windows: D:\GW_EJB\log\

For Linux: /GW_EJB/log/

Security Key for Encryption

Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.

10. Click 'Next'.

Note: The Installer creates two files viz. 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties' in the path provided to save the files.

Oracle FLEXCUBE Universal Installer 14.4.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for modifying the Gateway Properties

DataSource: FLEXTTEST.WORLD

POSS DataSource OPSS CSF Available

OPSS-CSF Collection Name: ofss.fcis.map.gw

POSS DataSource: POSSTEST.WORLD

Distributed Schema: Yes

Msg In Log Required: No Msg Out Log Required: No

Log Back Next Exit

Specify the following details:

DataSource

The JDBC data source is an object bound to JNDI tree and provides database connectivity through a pool of JDBC connections.

POSS Datasource

Check this box if POSS is required. If you check this box, you need to specify the POSS Datasource Name in the field below this.

Distributed Schema

Select Distributed Schema as 'Yes'.

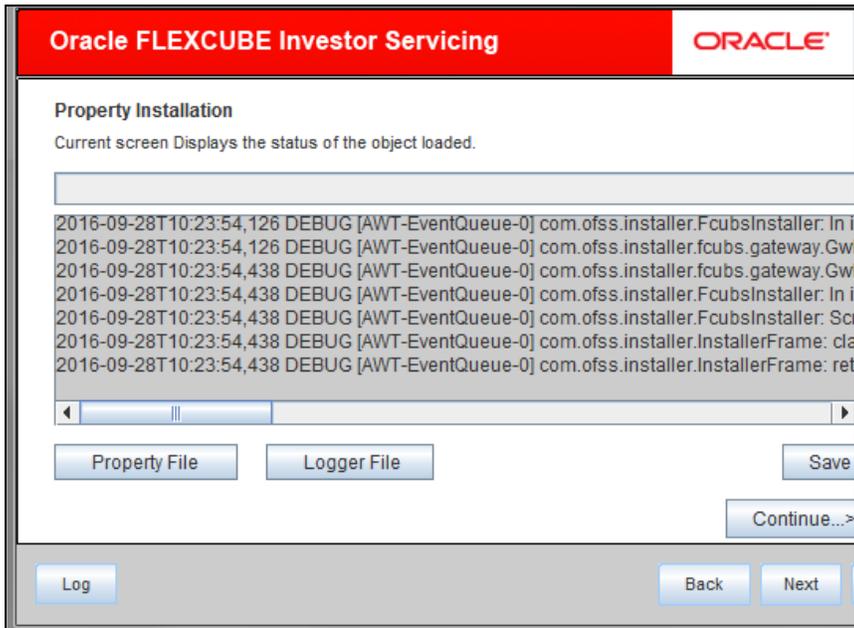
MSG IN LOG Required

Select the from the drop down box if message in logging is required yes/no

MSG OUT LOG Required

Select the from the drop down box if message out logging is required yes/no

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



The property file will be created in a temporary folder.

12. Click 'Property File' to view the created property file.

13. Click 'Save' to save the created property file in desired location.

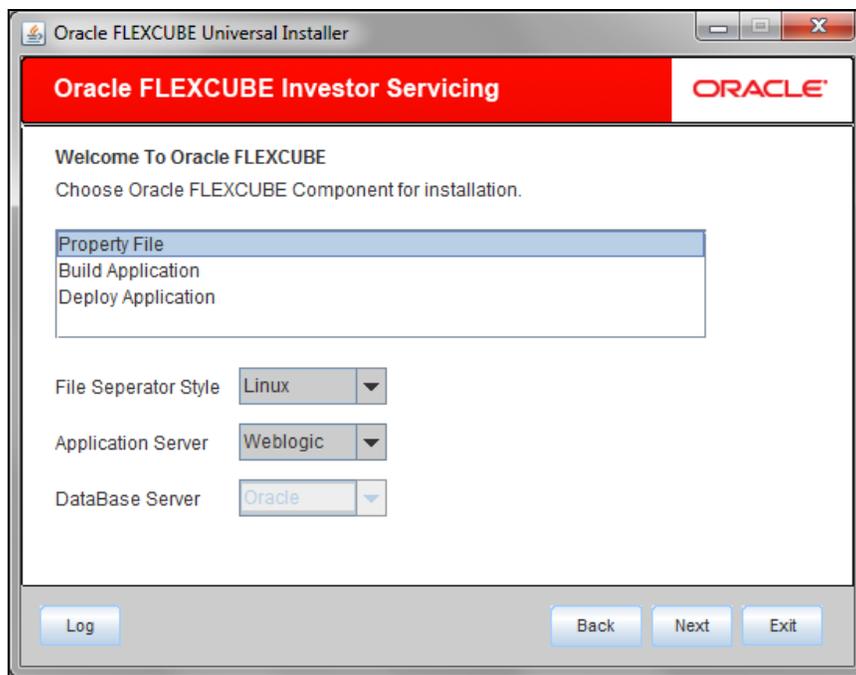
14. Click 'Continue' to continue the installation process with gateway application type.

Click 'Next' to navigate to the installer home screen.

1.2.2 Gateway MDB Application

Follow the steps given below:

1. Start Oracle FLEXCUBE Investor Servicing Installer. Select 'Oracle FLEXCUBE Gateway' and click 'Next'. Following screen is displayed.



2. Choose the option 'Property File'.

3. Specify the following details:

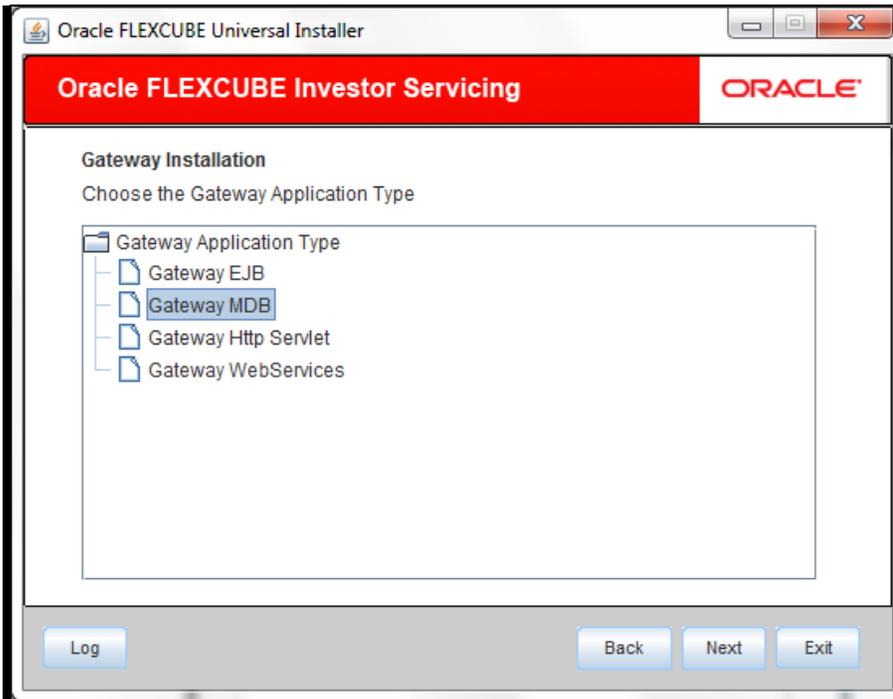
Operating System

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

Application Server

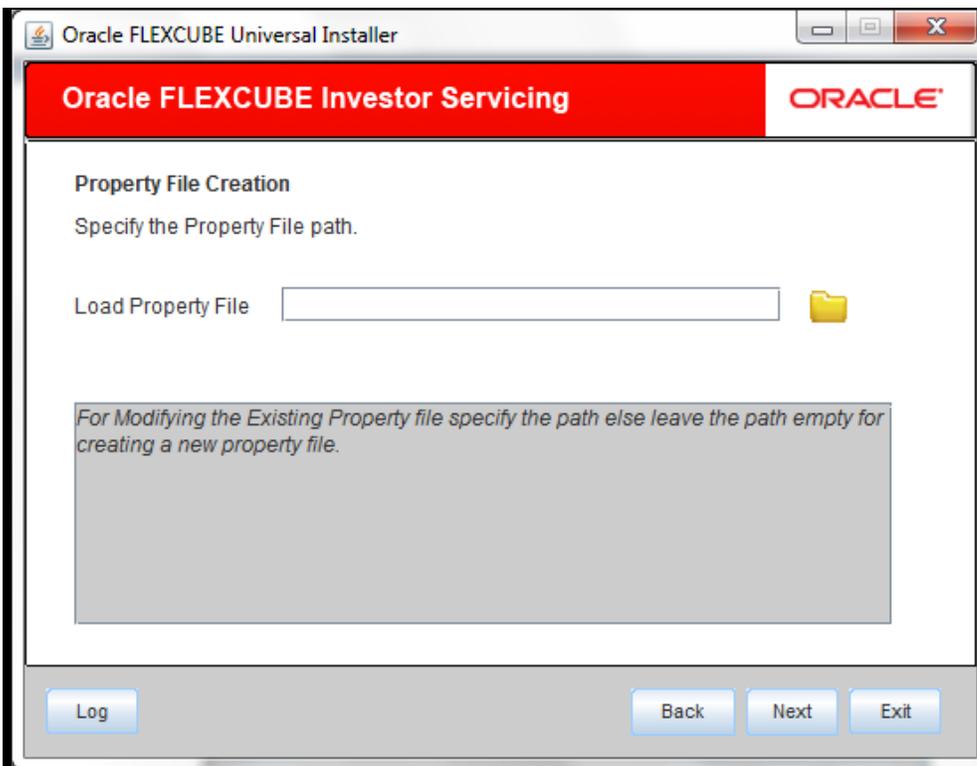
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

Click 'Next'. The following screen is displayed.



4. Select 'Gateway MDB' to create configuration files for the application. Click 'Next'.

Following screen is displayed



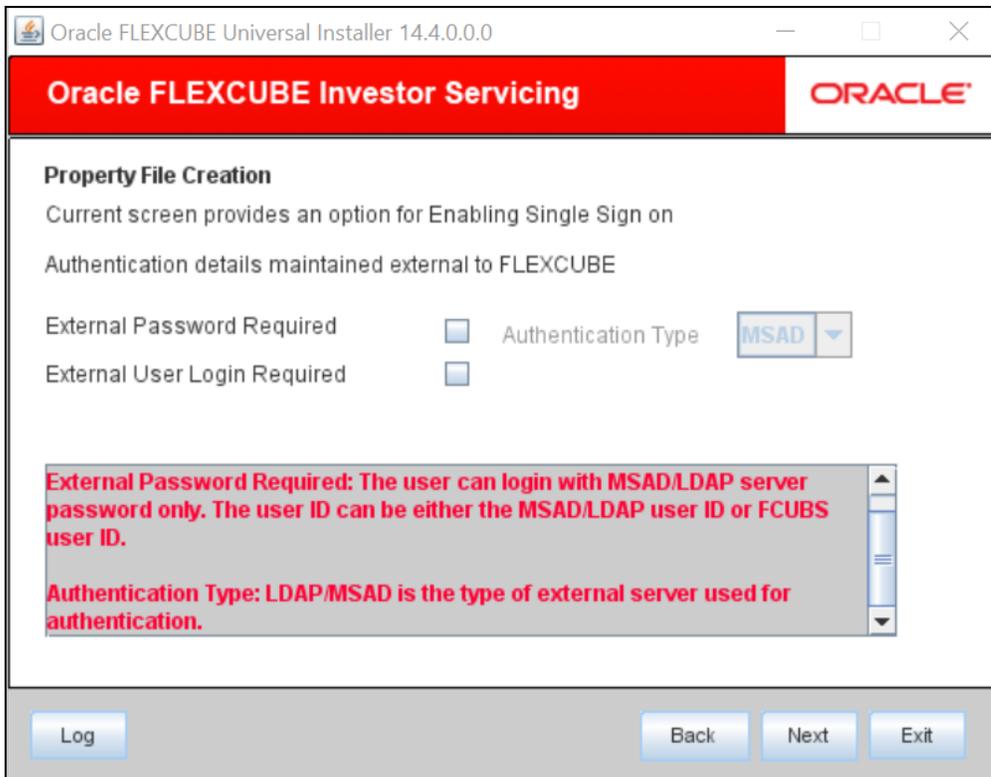
5. Specify the following details:

Load Property 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.

Note: Before proceeding, ensure that the folder structures used in the following steps are created.

Click 'Next'. The following screen is displayed:



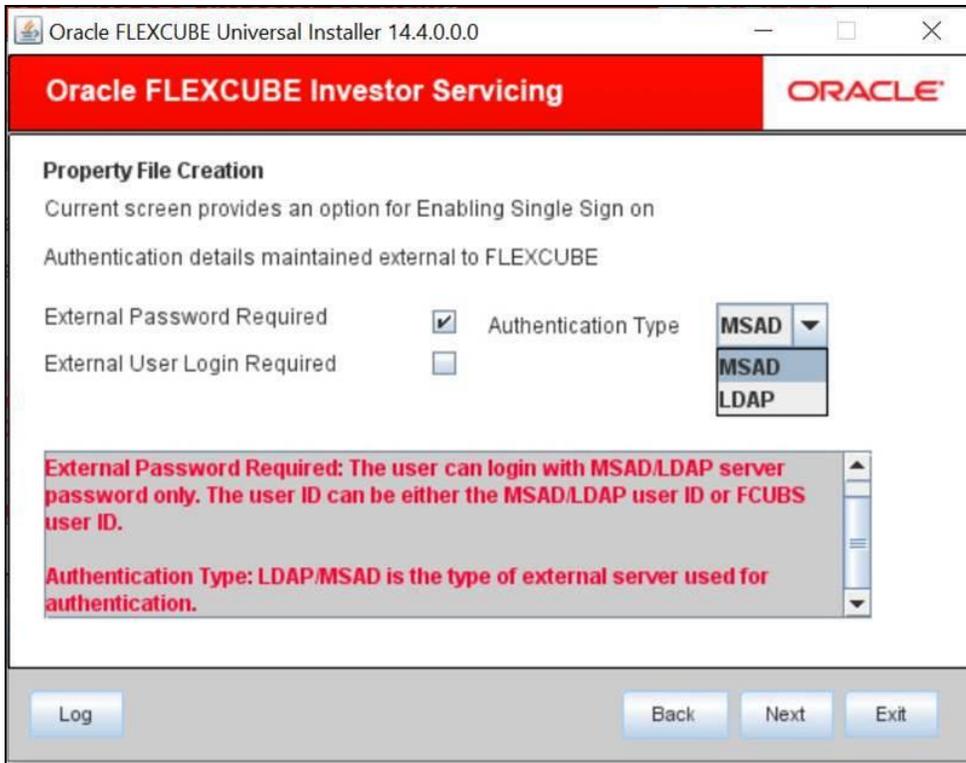
6. Specify the following details.

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.

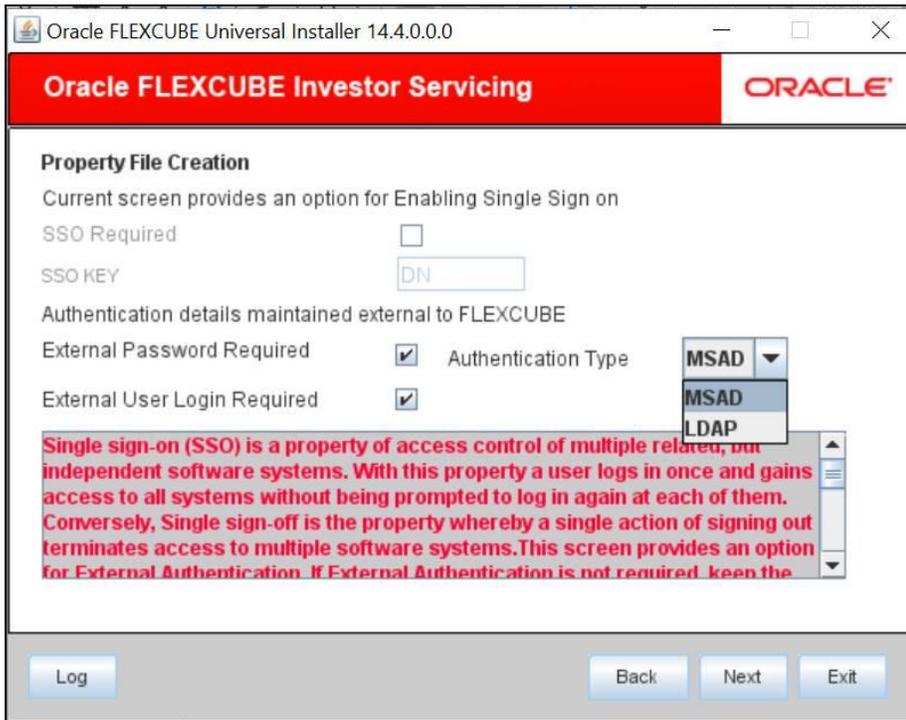
If you do not check this box, the installer skips the following screen and directly navigates you to the Modifying the Gateway Properties Screen.



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. If you do not check this, the user can login using FCIS user ID only.

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



Note: The field '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.

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

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	
5	LDAP SERVER TIMEOUT	0

8. Specify the following LDAP server details.

LDAP Server URL

Specify the URL to access the LDAP server where the external user ID and password are maintained.

LDAP SSL Enabled

Check this box if the LDAP server is SSL enabled. If you check this box, then you need to specify the SSL port also in the field LDAP SERVER URL.

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

Security Authentication Type

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

- Simple
- Strong

Note the following:

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

Domain Name

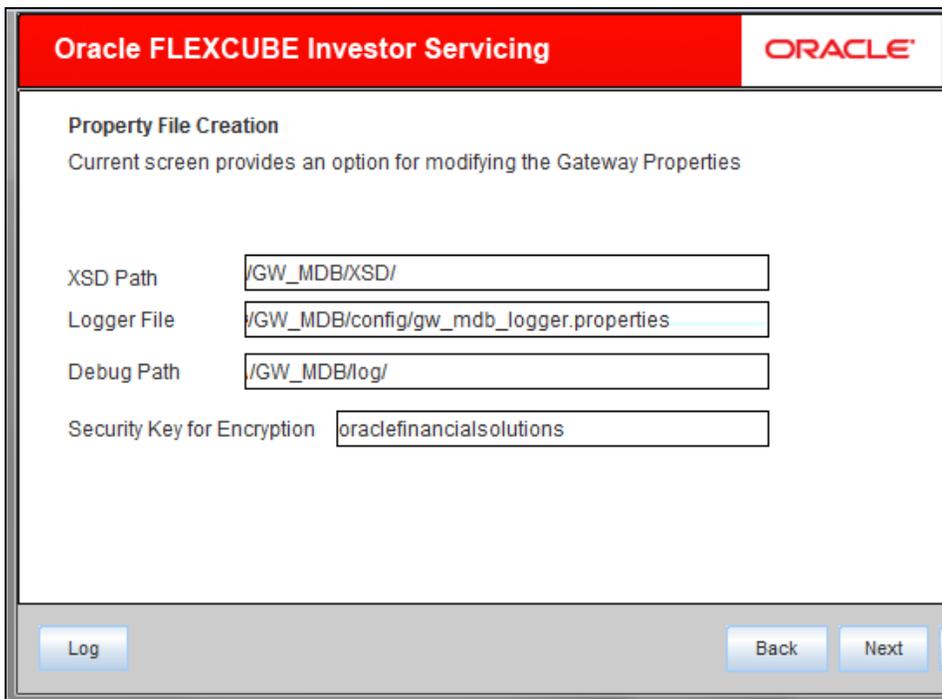
Specify the domain name.

LDAP Server Timeout

Specify the LDAP server timeout in milliseconds. This must be a positive integer value. For example you can specify 1000, 10000 or 5000. If it is zero or less, it indicates that no read timeout is specified. Then the wait for the response infinite until it is received.

By default, the LDAP server timeout is zero; however, you can change this.

Click 'Next'. The following screen is displayed:



The screenshot shows a web application window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main content area is titled "Property File Creation" and contains the text "Current screen provides an option for modifying the Gateway Properties". Below this, there are four input fields:

- XSD Path: /GW_MDB/XSD/
- Logger File: /GW_MDB/config/gw_mdb_logger.properties
- Debug Path: /GW_MDB/log/
- Security Key for Encryption: oraclefinancialsolutions

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

9. Specify the following details.

XSD Path

Specify the path to the XSD file. File name is not required. File separator must be '/'. There must be a '/' at the end. All the relevant XSD files must be manually copied to this location.

E.g.:

For Windows: D:\GW_MDB\XSD\

For Linux: /GW_MDB/XSD/

Logger File

Specify the path to the 'gw_ejb_logger.properties' file with the file name. The file must be manually copied to the specified location.

E.g.:

For windows: D:\GW_MDB\config\gw_mdb_logger.properties

For Linux: /GW_MDB/config/gw_mdb_logger.properties

Debug Path

Specify the path to the folder where the application creates the logs. There must be a '/' at the end. You need to manually create the folder structure.

E.g.:

For windows: D:\GW_MDB\log\

For Linux: /GW_MDB/log/

Security Key for Encryption

Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.

10. Click 'Next'.

Note: The Installer creates two files viz. 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties' in the path provided to save the files.

Oracle FLEXCUBE Universal Installer 14.4.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for modifying the Gateway Properties

DataSource: FLEXTEST.WORLD

POSS DataSource OPSS CSF Available

OPSS-CSF Collection Name: ofss.fcis.map.gw

POSS DataSource: POSSTEST WORLD

Distributed Schema: Yes

Msg In Log Required: No Msg Out Log Required: No

Log Back Next Exit

11. Specify the following details:

DataSource

The JDBC data source is an object bound to JNDI tree and provides database connectivity through a pool of JDBC connections.

POSS Datasource

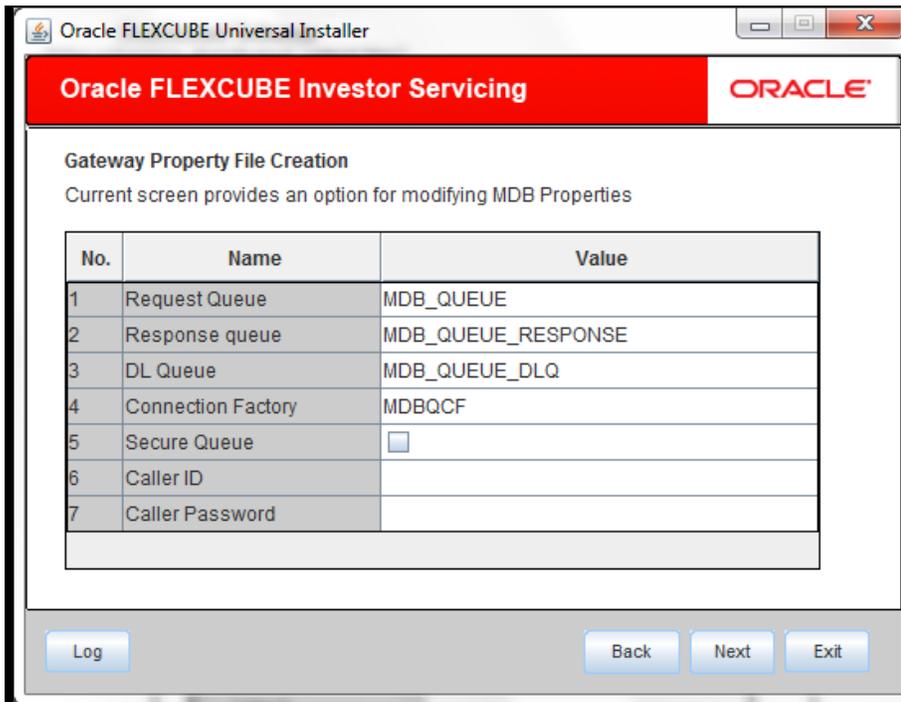
Check this box if POSS is required. If you check this box, you need to specify the POSS Datasource Name in the field below this.

Distributed Schema

Select Distributed Schema as 'Yes'.

Note: The Installer creates two files viz. 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties' in the path provided to save the files.

Click 'Next'. The following screen is displayed.



12. Specify the following details:

Connection Factory

Specify the connection configuration parameters to create connections for JMS clients.

E.g.: MDBQCF

Request Queue

Specify the request queue. This is the point-to-point destination type used for asynchronous peer communication.

E.g.: MDB_QUEUE

Response Queue

Specify the response queue name.

E.g.: MDB_QUEUE_RESPONSE

DL Queue

Specify the dead letter queue name.

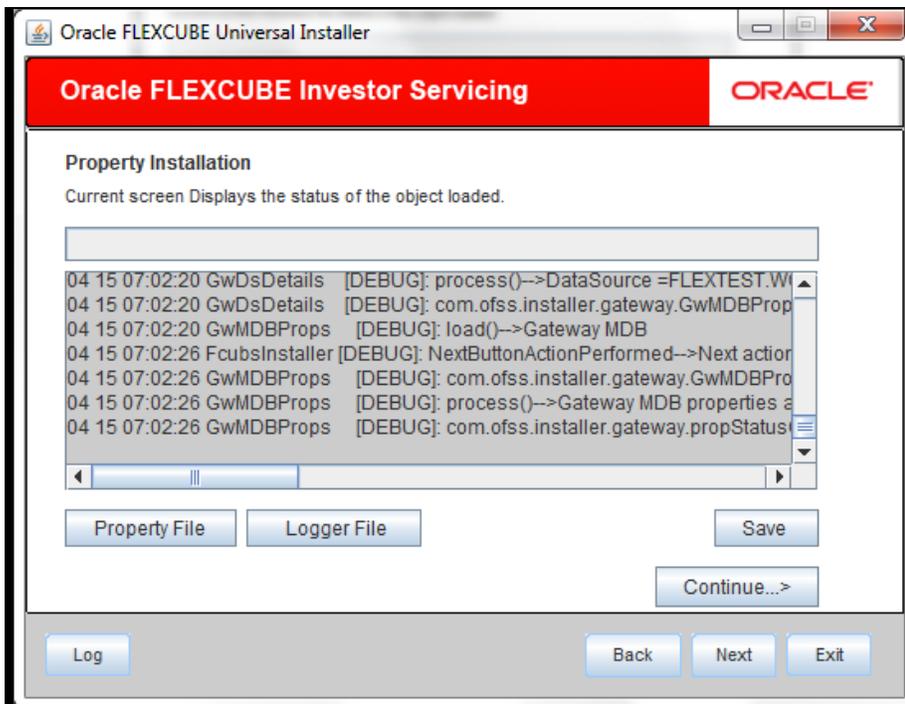
E.g.: MDB_QUEUE_DLQ

Secure Queue

Check this box if the Caller ID and Caller Password values have to be entered.

Note: The Installer creates two files viz. 'gw_mdb_logger.properties' and 'GW_MDB_Prop.properties' in the path provided to save the files.

Click 'Next'. The following screen is displayed.



The property file will be created in a temporary folder.

13. Click 'Property File' to view the created property file.

14. Click 'Save' to save the created property file in desired location.

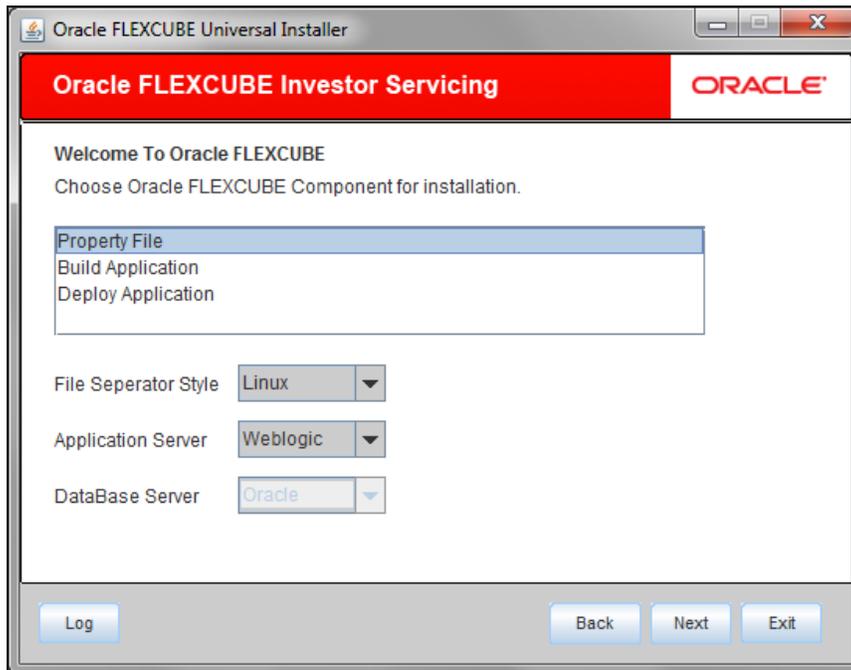
15. Click 'Continue' to continue the installation process with gateway application type.

16. Click 'Next' to navigate to the installer home screen.

1.2.3 Gateway HTTP Servlet Application

Follow the steps given below:

1. Start Oracle FLEXCUBE Investor Servicing Installer. Select 'Oracle FLEXCUBE Gateway' and click 'Next'. Following screen is displayed.



2. Choose the option 'Property File'.
3. Specify the following details:

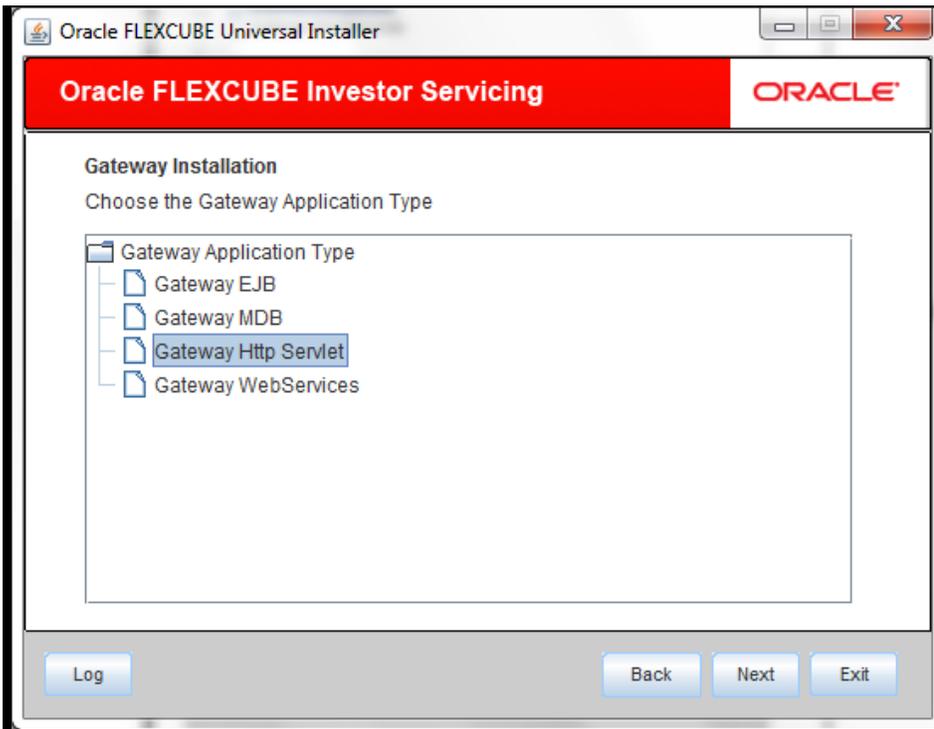
Operating System

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

Application Server

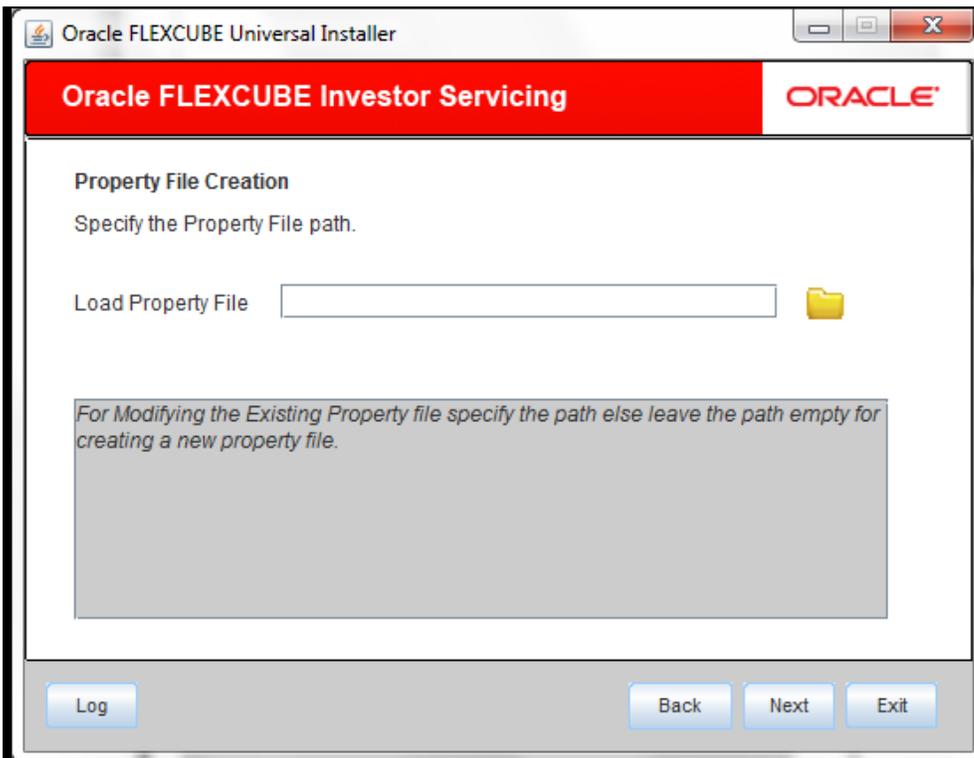
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

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



4. Select 'Gateway Http Servlet' to create configuration files for the application, and click 'Next'.

Following screen is displayed.



5. Specify the following details:

Load Property 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.

Note: Before proceeding, ensure that the folder structures used in the following steps are created.

Click 'Next'. The following screen is displayed:

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation
Current screen provides an option for modifying the Gateway Properties

XSD Path

Logger File

Debug Path

Security Key for Encryption

Log Back Next Exit

6. Specify the following details.

XSD Path

Specify the path to the XSD file. File name is not required. File separator must be '/'. There must be a '/' at the end. All the relevant XSD files must be manually copied to this location.

E.g.:

For Windows: D:\GW_HTTP\XSD\

For Linux: /GW_HTTP/XSD/

Logger File

Specify the path to the 'gw_ejb_logger.properties' file with the file name. The file must be manually copied to the specified location.

E.g.:

For windows: D:\GW_HTTP\config\gw_http_logger.properties

For Linux: /GW_HTTP/config/gw_http_logger.properties

Debug Path

Specify the path to the folder where the application creates the logs. There must be a '/' at the end. You need to manually create the folder structure.

E.g.:

For windows: D:\GW_HTTP\log\

For Linux: /GW_HTTP/log/

Security Key for Encryption

Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.

7. Click 'Next'.

Note: The Installer creates two files viz. 'gw_http_logger.properties' and 'GW_HTTP_Prop.properties' in the path provided to save the files.

The following screen is displayed

Oracle FLEXCUBE Universal Installer 14.4.0.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for modifying the Gateway Properties

DataSource: FLEXTTEST.WORLD

POSS DataSource OPSS CSF Available

OPSS-CSF Collection Name: ofss.fcis.map.gw

POSS DataSource: POSSTEST.WORLD

Distributed Schema: Yes

Log Back Next Exit

2. Specify the following details:

DataSource

The JDBC data source is an object bound to JNDI tree and provides database connectivity through a pool of JDBC connections.

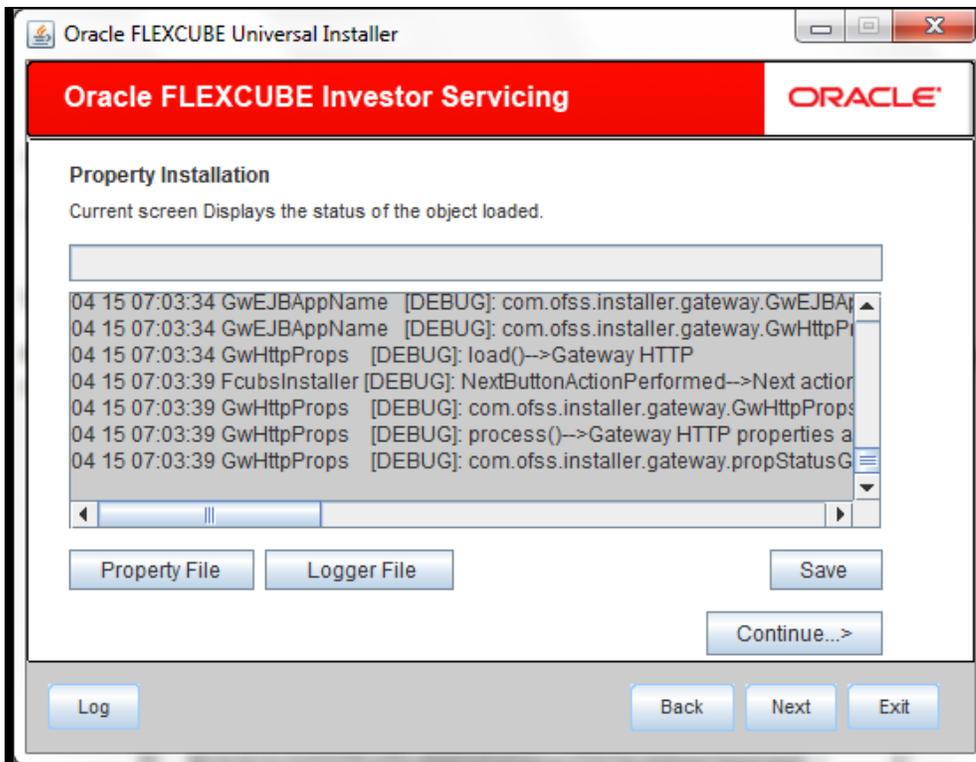
POSS Datasource

Check this box if POSS is required. If you check this box, you need to specify the POSS Datasource Name in the field below this.

Distributed Schema

Select Distributed Schema as 'Yes'.

Click 'Next'. The following screen is displayed.



The property file will be created in a temporary folder.

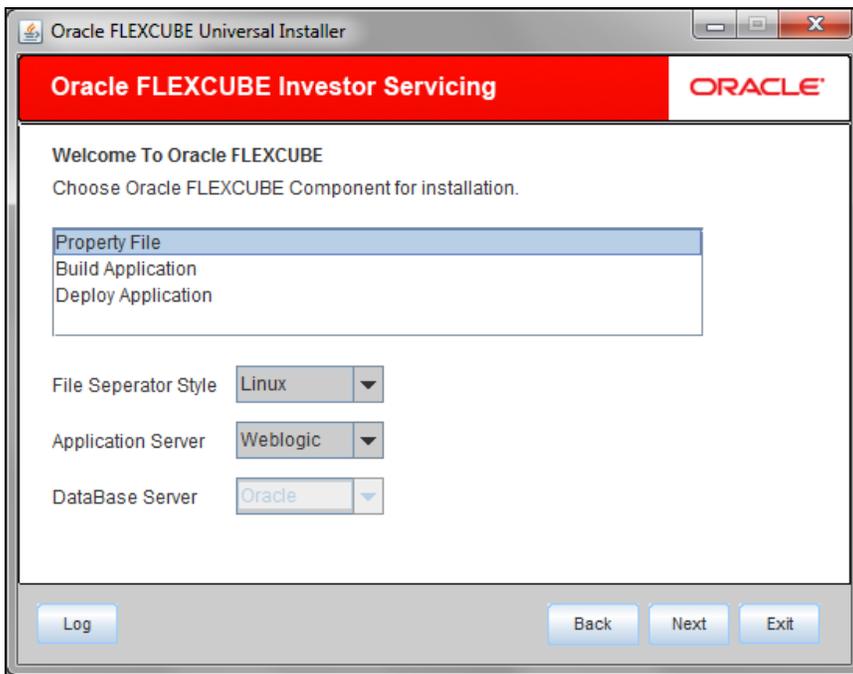
8. Click 'Property File' to view the created property file.
9. Click 'Save' to save the created property file in the desired location.
10. Click 'Continue' to continue the installation process with gateway application type.
11. Click 'Next' to navigate to the installer home screen.

1.2.4 Gateway Web Service Application

Follow the steps given below:

1. Start Oracle FLEXCUBE Investor Servicing Installer. Select 'Oracle FLEXCUBE Gateway' and click 'Next'.

Following screen is displayed.



2. Choose the option 'Property File'.
3. Specify the following details:

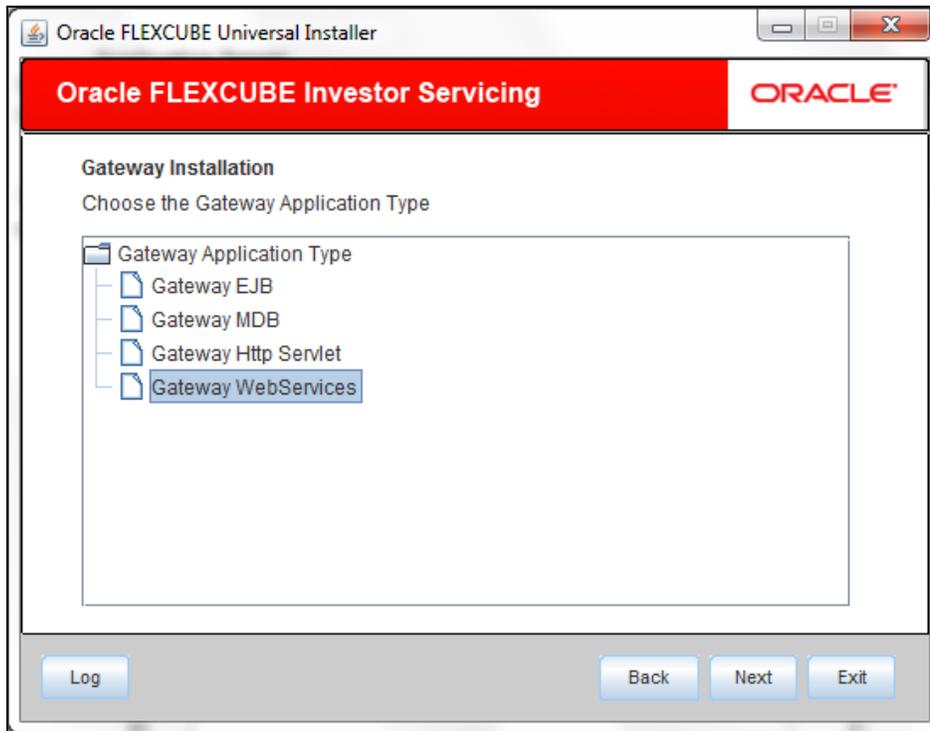
Operating System

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

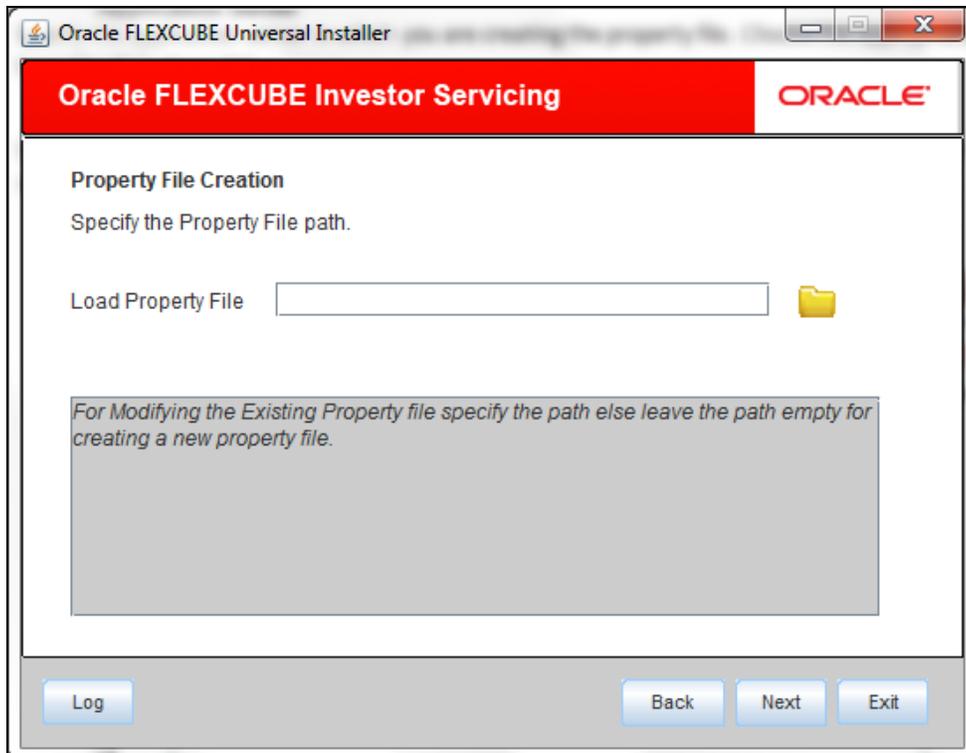
Application Server

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

Click 'Next'.



Select 'Gateway WebServices' to create configuration files for the application. Click 'Next'. The following screen is displayed.



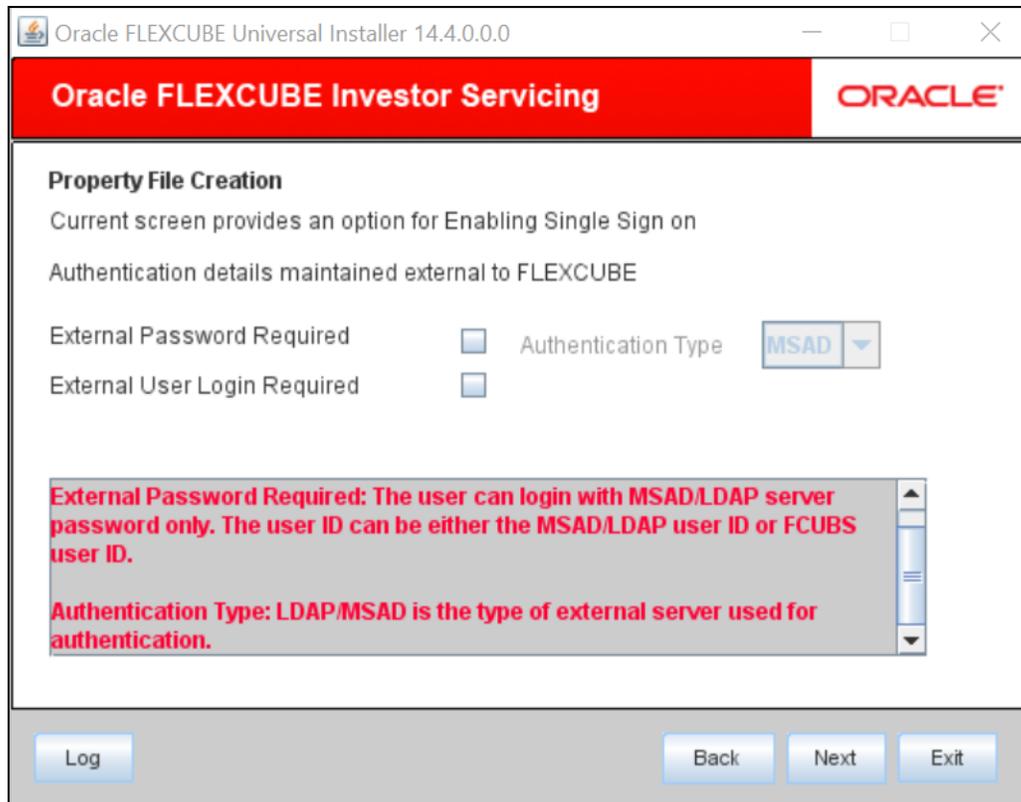
1. Specify the following details:

Load Property 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.

Note: Before proceeding, ensure that the folder structures used in the following steps are created.

Click 'Next'. The following screen is displayed:



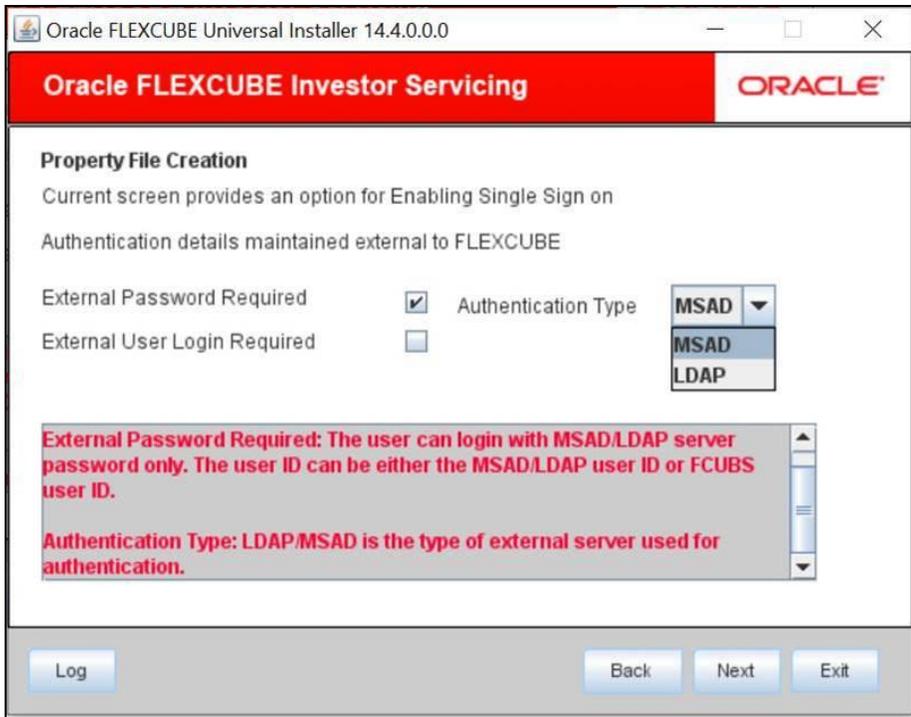
5. Specify the following details.

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.

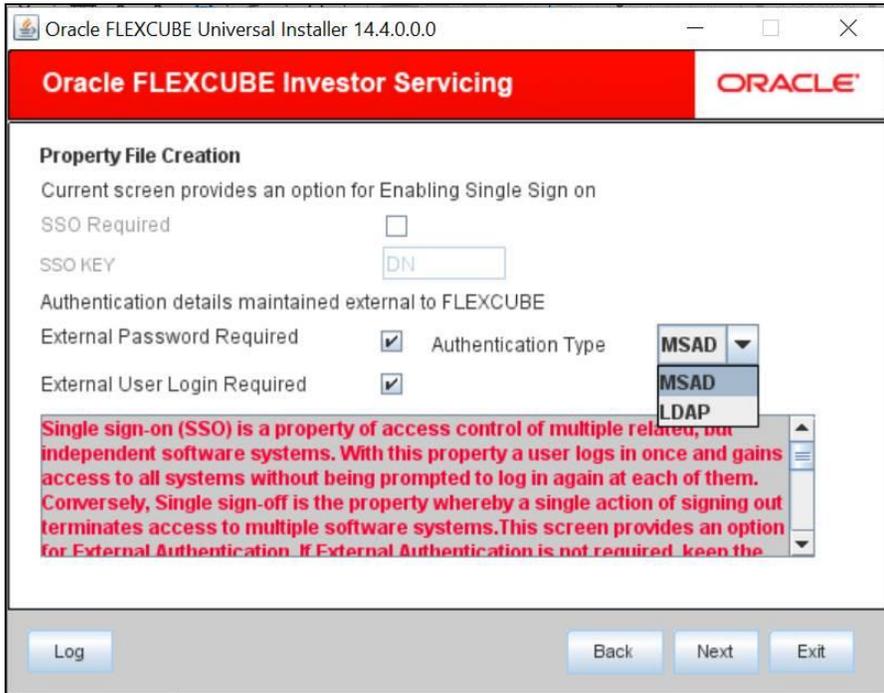
If you do not check this box, the installer skips the following screen and directly navigates you to the Modifying the Gateway Properties Screen.



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. If you do not check this, the user can login using FCIS user ID only.

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



Note: The field 'Authentication Type' is enabled if one of the above check boxes is checked:

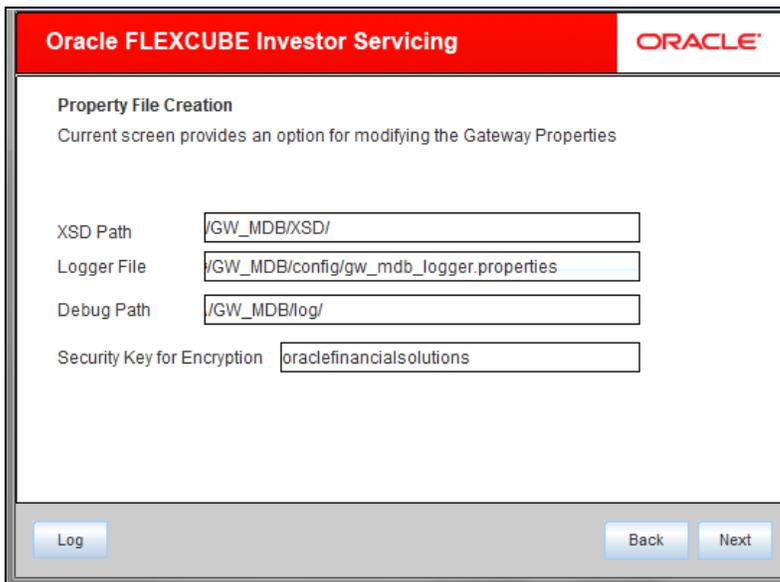
Authentication Type

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.

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



7. Specify the following details.

XSD Path

Specify the path to the XSD file. File name is not required. File separator must be '/'. There must be a '/' at the end. All the relevant XSD files must be manually copied to this location.

E.g.:

For Windows: D:\GW_WS\XSD\

For Linux: /GW_WS/XSD/

Logger File

Specify the path to the 'gw_ejb_logger.properties' file with the file name. The file must be manually copied to the specified location.

E.g.:

For windows: D:\GW_WS\config\gw_ws_logger.properties

For Linux: /GW_WS/config/gw_ws_logger.properties

Debug Path

Specify the path to the folder where the application creates the logs. There must be a '/' at the end. You need to manually create the folder structure.

E.g.:

For windows: D:\GW_WS\log\

For Linux: /GW_WS/log/

Security Key for Encryption

Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.

Click 'Next'.

Oracle FLEXCUBE Universal Installer 14.4.0.0.0

Oracle FLEXCUBE Investor Servicing ORACLE

Property File Creation

Current screen provides an option for modifying the Gateway Properties

DataSource: FLEXTEST.WORLD

POSS DataSource OPSS CSF Available

OPSS-CSF Collection Name: ofss.fcis.map.gw

POSS DataSource: POSSTEST.WORLD

Distributed Schema: Yes

Msg In Log Required: No Msg Out Log Required: No

Log Back Next Exit

Specify the following details:

DataSource

The JDBC data source is an object bound to JNDI tree and provides database connectivity through a pool of JDBC connections.

POSS Datasource

Check this box if POSS is required. If you check this box, you need to specify the POSS Datasource Name in the field below this.

Distributed Schema

Select Distributed Schema as 'Yes'.

MSG IN LOG Required

Select the from the drop down box if message in logging is required yes/no

MSG OUT LOG Required

Select the from the drop down box if message out logging is required yes/no

Note: The Installer creates two files namely, 'gw_ws_logger.properties' and 'GW_WS_Prop.properties' in the path provided to save the files.

The following screen is displayed.



The screenshot shows a window titled "Oracle FLEXCUBE Universal Installer". The main content area has a red header with "Oracle FLEXCUBE Investor Servicing" and the "ORACLE" logo. Below the header, the section is titled "Property File Creation" and asks the user to "Specify the EJB Application Name". A text input field contains the value "GWEJB". Below the input field, a grey box contains the instruction: "Please remember the EJB Application name , the same name has to be used while deploying the EJB." At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

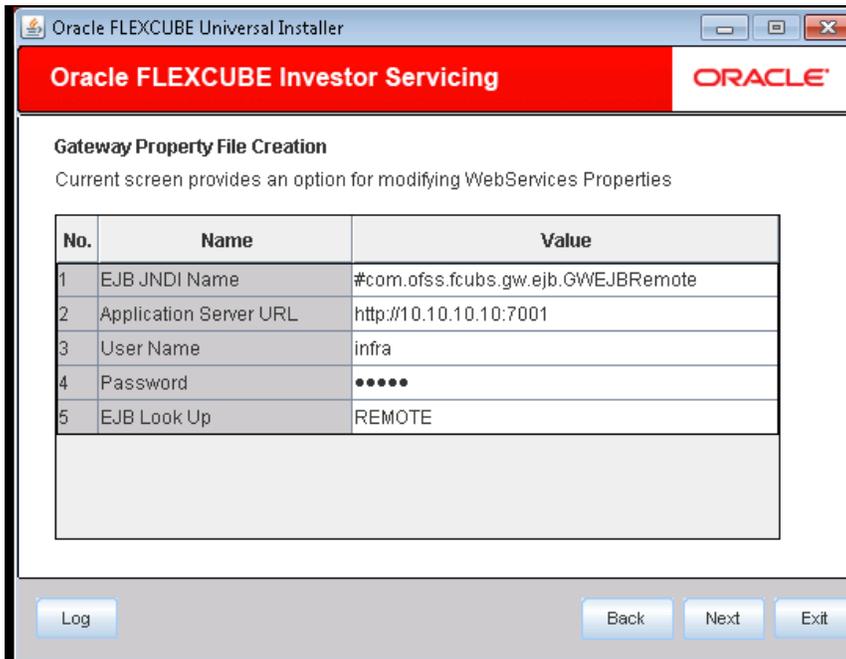
8. Specify the following details:

EJB Application Name

Specify the name of the EJB application deployed.

E.g.: GWEJB

Click 'Next'. The following screen is displayed.



9. Specify the following details:

EJB JNDI Name

This is the reference name of the EJB by which it has been deployed. This should be '<EJB_APPLICATION_NAME>_GW_EJB_Bean'

E.g.: GWEJB_GW_EJB_Bean

If you build the EJB application with GWEJB name, this should be the name with which the EJB EAR file is built.

If you select EJB Call Type as REMOTE, this should be '<EJB_APPLICATION_NAME #com.ofss.fcubs.gw.ejb.GWEJBRemote.'

E.g.:

Weblogic: GWEJB #com.ofss.fcubs.gw.ejb.GWEJBRemote

Or

Websphere: ejb/GWEJB/GWEJB.jar/GWEJB#com.ofss.fcubs.gw.ejb.GWEJBRemote

If you build the EJB application with GWEJB name, this should be the name the EJB EAR file which is built.

Application Server URL

Specify the URL of the application server where the webservice application is hosted.

E.g.:

Weblogic: <t3://10.10.10.10:7001>

Or

Websphere: <iiop://10.10.10.10:2815>

User Name

Specify the user name to access the application server where the EJB application is deployed.

E.g.: infra

Password

10. Specify the password for the above user name.

ELB Look Type

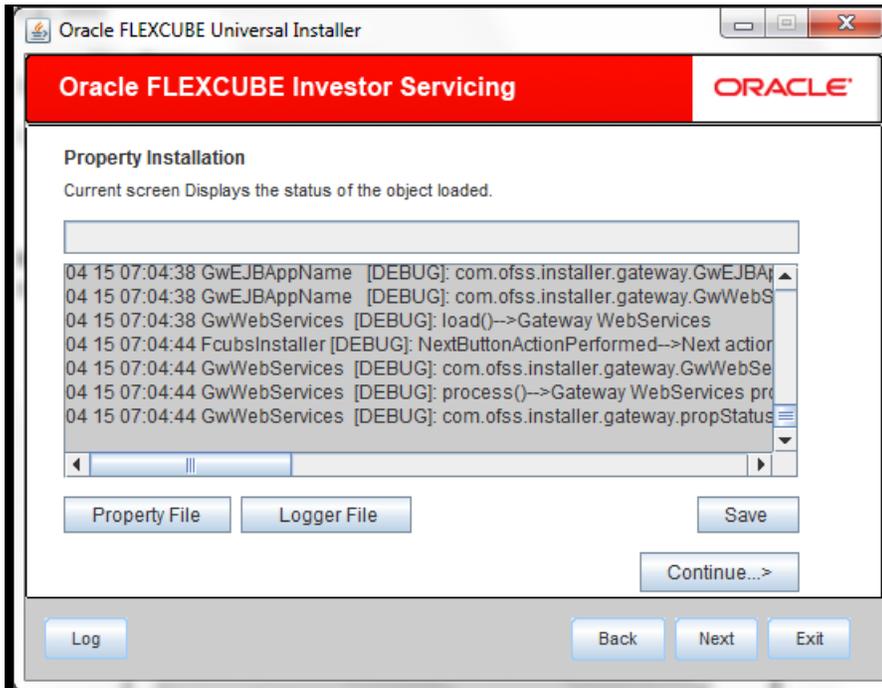
Select from the drop box, REMOTE/LOCAL.

Note: When REMOTE is selected, it is mandatory that a ejb ear has to be built, a web service ear has to be built and both to be deployed

When LOCAL is selected, new option in EAR build is provided where gateway ejb and web services are packaged in the same project. That single is deployed will suffice the web services.

Note: The Installer creates two files viz. 'gw_WS_logger.properties' and 'GW_WS_Prop.properties' in the path provided to save the files.

Click 'Next'. The following screen is displayed.



The property file will be created in a temporary folder.

11. Click 'Property File' to view the created property file.
12. Click 'Save' to save the created property file in the desired location.
13. Click 'Continue' to continue the installation process with gateway application type.
14. Click 'Next' to navigate to the installer home screen.

This completes the property file creation for Gateway.



Setting up Property File
[July] [2020]
Version 14.4.0.0.0

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