

Oracle® Banking Treasury Management

Gateway Property File Creation



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ORACLE®

Oracle Banking Treasury Management Gateway Property File Creation, Release 14.8.0.0.0

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Preface

This topic contains the following sub-topics:

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Purpose

This guide helps the user to create the property file for the gateway components viz. Enterprise Java Bean (EJB), Message Driven Beans (MDB), Web Services and Servlet.

Audience

This guide is intended for anyone responsible for installing Oracle Banking Application.

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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.

Related Resources

For more information, see these Oracle Banking Treasury Management resources:

- *Oracle Banking Treasury Management Release Notes*
- *Oracle Banking Treasury Management Installer Index*
- *Oracle Banking Treasury Management Installer Prerequisite*

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.
monospace	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 acronyms and abbreviations are listed in this below table:

Table Acronyms and Abbreviations

Abbreviations or Acronyms	Definition
DV	Derivatives
ETD	Exchange Traded Derivatives
FX	Foreign Exchange
FCUBS	Oracle FLEXCUBE Universal Banking
MM	Money Market
OBTR	Oracle Banking Treasury Management
OT	Over the Counter Options
SE	Securities
SR	Securities Repo

1

Creating Property File for Gateway Applications

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

This topic has the following sub-topics:

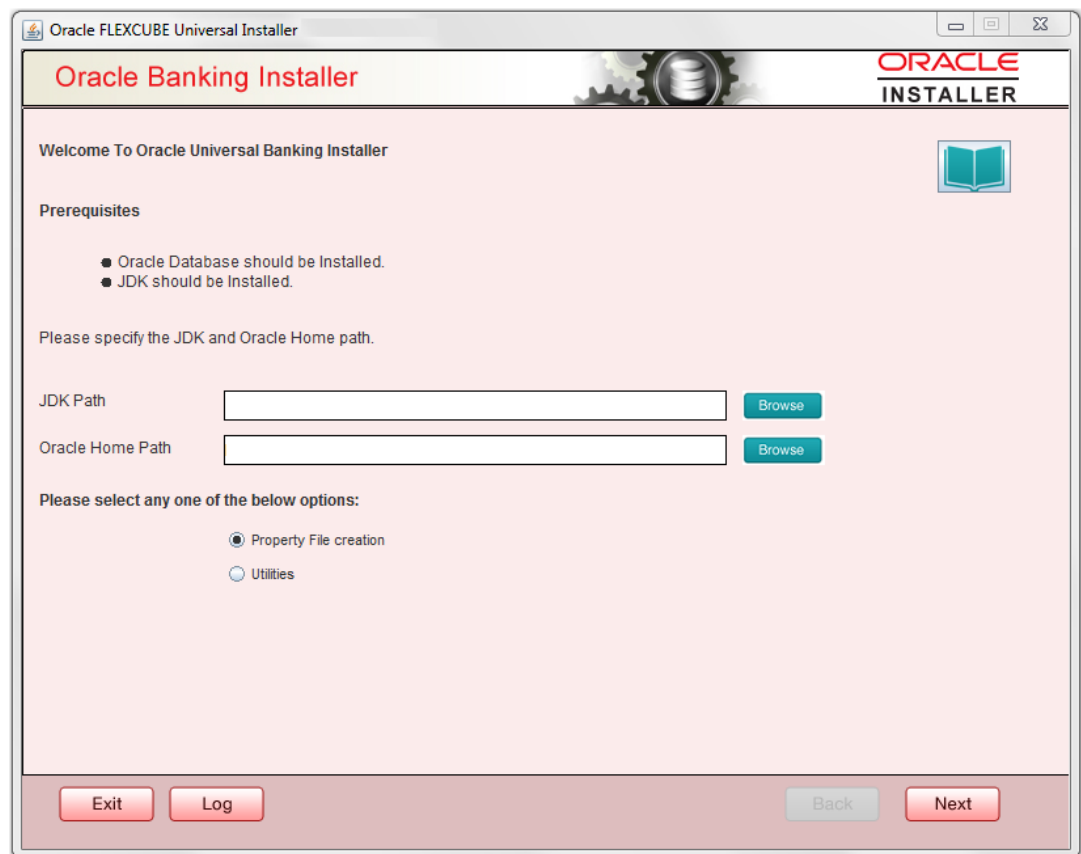
- [Create Property Files](#)

1.1 Create Property Files

Follow the steps given below:

1. Start Oracle Banking Trade Finance Solutions Installer - FCUBSInstaller.bat from INSTALLER\SOFT\GUI. Prerequisites screen is displayed.

Figure 1-1 Oracle Banking Installer- Welcome to Oracle Univaersal Banking Installer screen



2. Select component as **Gateway**.

Figure 1-2 Oracle Banking Installer- Select one of the Components screen

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer

Select one of the Components

Load Existing Property File

☐ INFRA ☐ Scheduler ☒ Gateway ☐ Switch Interface Installation

Select Oracle Product Processors

☐ Oracle FLEXCUBE Universal Banking

☐ Oracle FLEXCUBE Enterprise Limits and Collateral Management (CO-DEPLOY)

☐ Oracle Banking Payments

☐ Oracle Banking Corporate Lending ☐ Open Development Tool

☒ Oracle Banking Treasury

☐ Oracle Banking Trade Finance

Select Plugins to be Installed

☐ Branch Load Existing Branch Property File

Host Address ☐ BPEL ☐ Scheduler

☐ Reports ☐ OFTW ☐ FGL ☐ SIANET Adapter

☐ DMS ☐ Insulation ☐ ELCM Adapter required

3. Enter the Required details in the Screen.

Specify the EAR name, valid Application Server Path, Source and EAR destination path and click '**Next**' button.

Figure 1-3 Oracle Banking Installer- Provide Environment details screen

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer **ORACLE INSTALLER**

Provide Environment details.

EAR Name

File Separator Style

Application Server

☐ OBMA PP Installed

Application Server Path

Source Path

Ear Destination Path

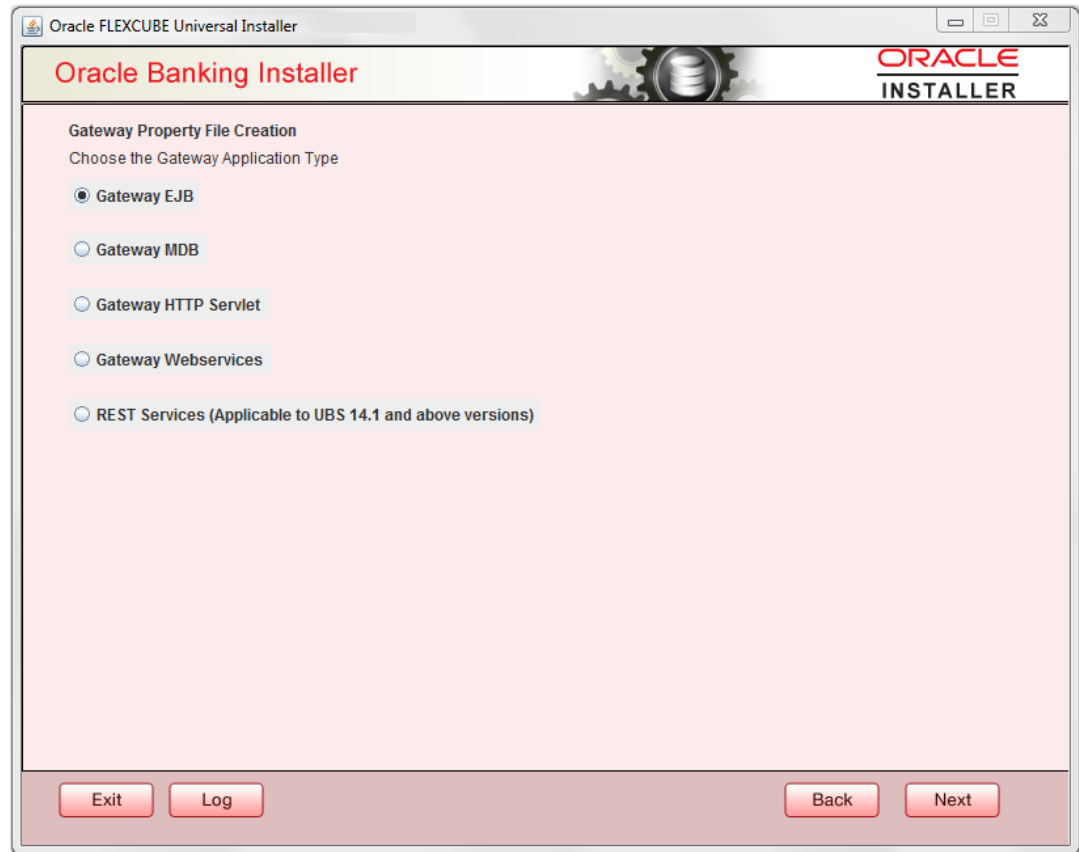
Cookie-Name (JSESSION_ID)

- Gateway EJB Application
- Gateway MDB Application
- Gateway HTTP Servlet Application
- Gateway Web Service Application
- REST Services Application

1.1.1 Gateway EJB Application

1. Select '**Gateway EJB**' as the application type as shown in the below Screen.

Figure 1-4 Oracle Banking Installaer- Gateway Property File Creation screen



2. Click **Next**. The following screen is displayed:
The installer displays the **Multi Entity** screen.

Figure 1-5 Oracle Banking Installer- Multi Entity Names

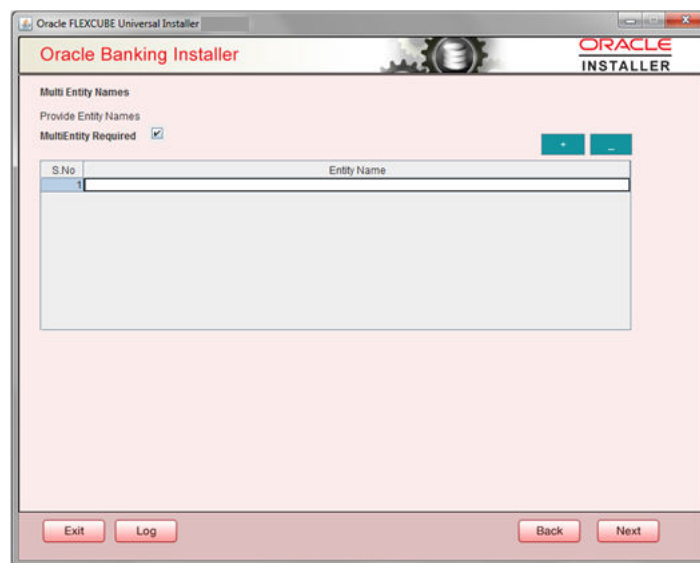


Table 1-1 Fields

Field	Description
MultiEntity Required	Select the multi entity check box for enabling the multi entity deployment. After selecting the multi entity option '+', '-' buttons will be enabled for capturing the entity Name.
+ Button	New row will be added for capturing new entity name.
- Button	Select the entity name and click – button, deletion of existing entity name will be done.
Entity Name	Enter the entity name as single word. For example: ENTITY1

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

Figure 1-6 Oracle Banking Installer- Property File Creation

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer ORACLE INSTALLER

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
External User Login Required ☐

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 all options unchecked and Click on Next.

MSAD/LDAP User Login Required: User can login with MSAD/LDAP user ID as well as FCUBS user ID.

External Password Required: The user can login with MSAD/LDAP server password only. The user ID can be either the MSAD/LDAP user ID or FCUBS user ID.

Authentication Type: LDAP/MSAD is the type of external server used for authentication.

Exit Log Back Next

- Specify the following details, refer the table below:

Table 1-2 Fields

Field	Description
SSO Required	Check this box to enable single sign-on (SSO). If you check this box, you need to specify the SSO Key.

Table 1-2 (Cont.) Fields

Field	Description
SSO Key	Specify the SSO key. If you have checked the box ' SSO Required ', it is mandatory to specify the SSO key. If you have checked the box ' SSO Required ', then the Installer will skip the following two screens and will directly navigate to the SSL screen shown below in this manual. If you have not checked the box ' SSO Required ', then click ' Next '. The following screen is displayed.

External User Login Required

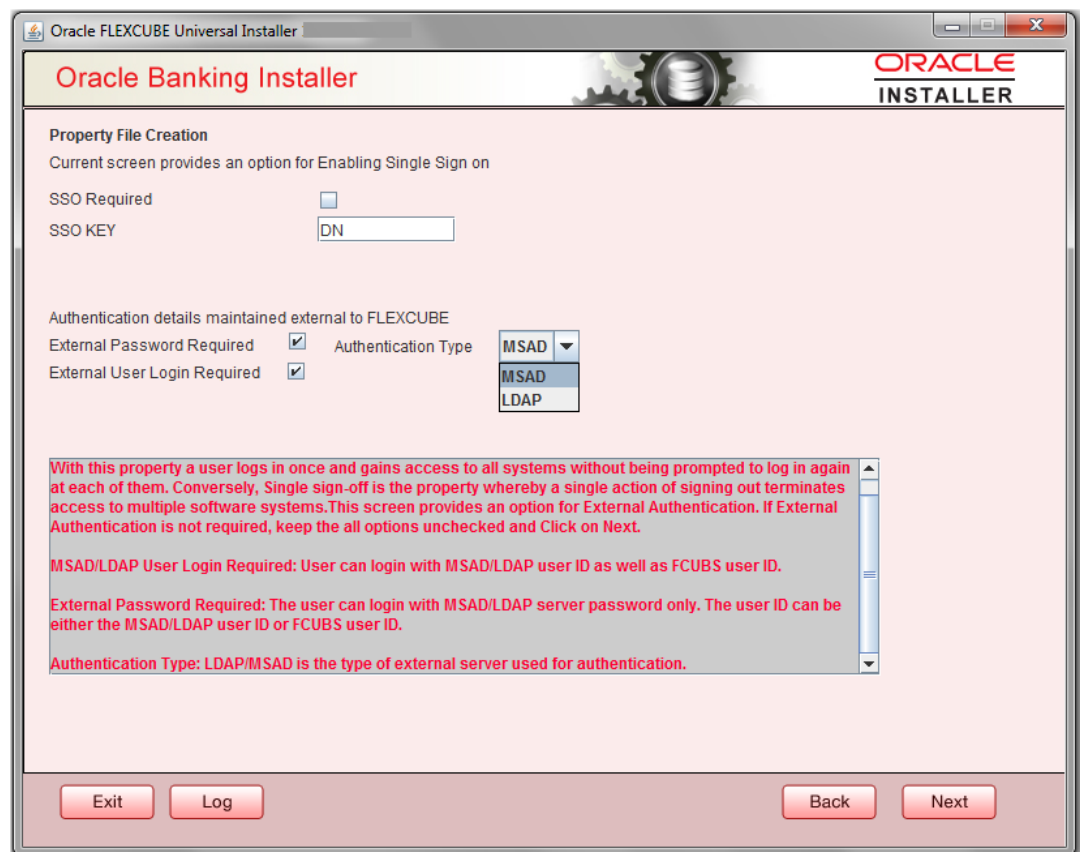
Check this box to enable user login using MSAD/LDAP user Id.

If you check this box, the user can login with MSAD/LDAP server user Id as well as FCUBS user Id. If you do not check this box, the user can login using FCUBS user Id only.

Note:

(MSAD: Microsoft Active Directory, LDAP: Lightweight Directory Access Protocol.)

Figure 1-7 Oracle Banking Installer- Property File Creation



Oracle FLEXCUBE Universal Installer

Oracle Banking Installer **ORACLE INSTALLER**

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 ☒ **MSAD**
LDAP

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 all options unchecked and Click on Next.

MSAD/LDAP User Login Required: User can login with MSAD/LDAP user ID as well as FCUBS user ID.

External Password Required: The user can login with MSAD/LDAP server password only. The user ID can be either the MSAD/LDAP user ID or FCUBS user ID.

Authentication Type: LDAP/MSAD is the type of external server used for authentication.

Exit Log Back Next

External Password Required

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

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
- OBTFM 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

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

Figure 1-8 Oracle Banking Installer- Property File Creation

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

6. Specify the following LDAP server details., refer the table below:

Table 1-3 Fields

Field	Description
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 .
Security Authentication Type	Depending on the authentication mechanism supported by the LDAP server, select one of the following: • simple • strong  Note: • 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.

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

Figure 1-9 Oracle Banking Installer- Property File Creation

8. Specify the following details, refer the table below:

Table 1-4 Fields

Field	Description
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. Example: For Windows: D:\Kernel11.1\GW_EJB\XSD\ For Linux: /Kernel11.1/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. Example: For windows: D:\Kernel11.1\GW_EJB\config\gw_ejb_logger.properties For Linux: /Kernel11.1/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. Example: For windows: D:\Kernel11.1\GW_EJB\log\ For Linux: /Kernel11.1/GW_EJB/log/

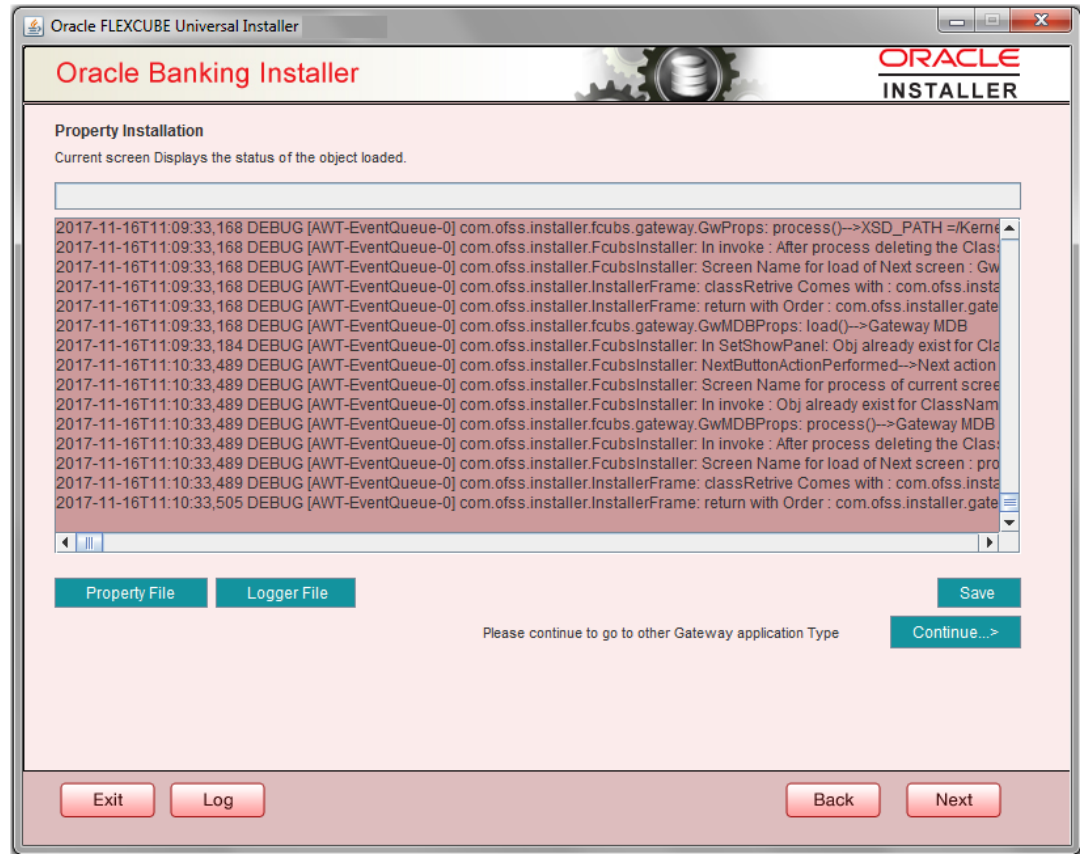
Table 1-4 (Cont.) Fields

Field	Description
Security Key for Encryption	Specify the security key for the Encryption, here in this case it is ' Oraclefinancialsolutions '.
SMS Pool Name	Specify SMS Pool Name, here in this case it is ' jdbc/fcjddevDSSMS '.
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.
OPSS CSF Available	Indicate whether OPSS-CSF is installed or not. Please choose this only if Oracle Platform Security Services - Credential Store Framework (CSF) is installed as per the guidelines in the pre-requisite document. It is recommended that you install CSF for safeguarding application specific security credentials.
Distributed Schema	If the schema is distributed, select ' Yes '. If the schema is not distributed, select ' No '.
MSG IN LOG Required	Choose Yes/No from drop down box.
MSG OUT LOG Required	Choose Yes/No from drop down box. The Installer creates two files viz. ' gw_ejb_logger.properties ' and ' GW_EJB_Prop.propeties ' in the path provided to save the files.
Integration with CN Logger	Choose this check box if integration with CN logger is required.

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

The property file will be created in a temporary folder.

Figure 1-10 Property Installation



10. Click **Property File** to view the created property file.
11. Click **Save** to save the created property file in the desired location.
12. Click **Next** to navigate to the installer home screen.

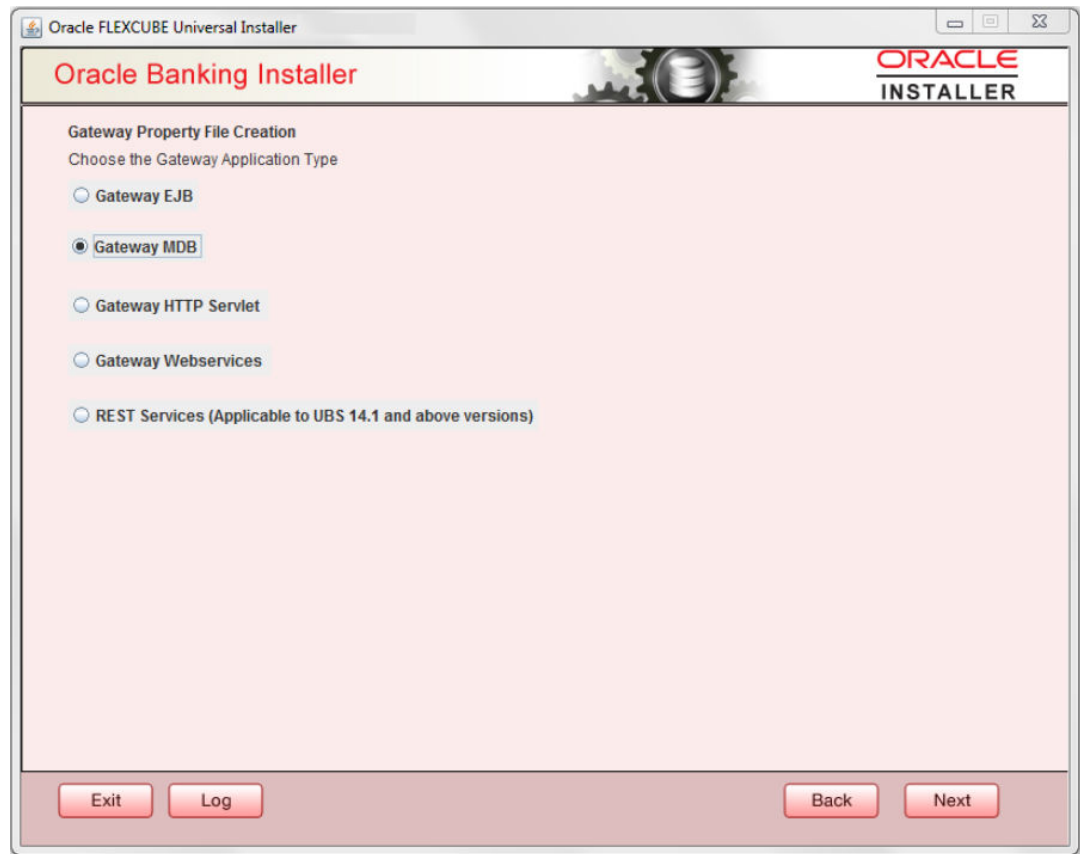
For Gateway EJB EAR Building refer 'OBTR_EAR_Building document'

1.1.2 Gateway MDB Application

Follow the steps given below:

1. Select **Gateway MDB** as the application type as shown in the below Screen.

Figure 1-11 Oracle Banking Installer- Gateway MDB



2. Click **Next**. The following screen is displayed:
The installer displays the **Multi Entity** screen.

Figure 1-12 Oracle Banking Installer- Multi Entity

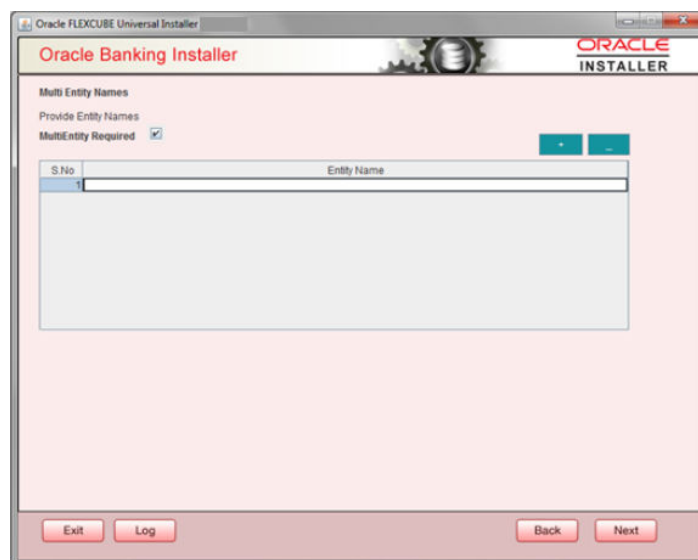


Table 1-5 Fields

Field	Description
MultiEntity Required	Select the multi entity check box for enabling the multi entity deployment. After selecting the multi entity option '+', '-' buttons will be enabled for capturing the entity Name.
+ Button	New row will be added for capturing new entity name.
- Button	Select the entity name and click – button, deletion of existing entity name will be done.
Entity Name	Enter the entity name as single word. For example: ENTITY1

- Click **Next**. The following screen is displayed:

Figure 1-13 Oracle Banking Installer- Property File Creation

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer ORACLE INSTALLER

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
External User Login Required ☐

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 all options unchecked and Click on Next.

MSAD/LDAP User Login Required: User can login with MSAD/LDAP user ID as well as FCUBS user ID.

External Password Required: The user can login with MSAD/LDAP server password only. The user ID can be either the MSAD/LDAP user ID or FCUBS user ID.

Authentication Type: LDAP/MSAD is the type of external server used for authentication.

Exit Log Back Next

- Specify the following details, refer the table below:

Table 1-6 Fields

Field	Description
SSO Required	Check this box to enable single sign-on (SSO). If you check this box, you need to specify the SSO Key.

Table 1-6 (Cont.) Fields

Field	Description
SSO Key	Specify the SSO key. If you have checked the box ' SSO Required ', it is mandatory to specify the SSO key. If you have checked the box ' SSO Required ', then the Installer will skip the following two screens and will directly navigate to the Modifying the Gateway properties Screen.

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 FCUBS user ID. And the password can be MSAD/LDAP server password only.

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

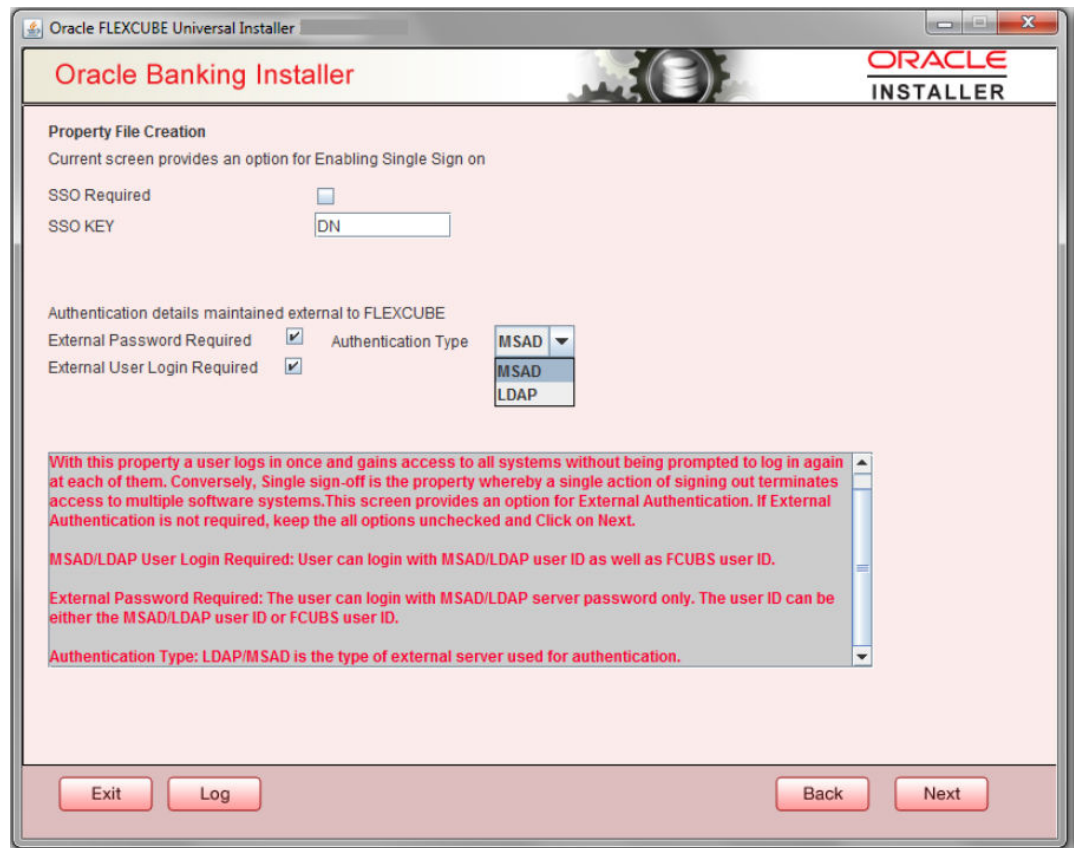
If you do not check this box, the installer skips the following screen and directly navigates you to the Modifying the Gateway Properties Screen.

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

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

Figure 1-14 Oracle Banking Installer- Property file Creation- External Password Required



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.

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

Figure 1-15 Oracle Banking Installer- LDAP Server Details for Gateway

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

6. Specify the following LDAP server details and refer the table below:

Table 1-7 Fields

Field	Description
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.

Table 1-7 (Cont.) Fields

Field	Description
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:

Figure 1-16 Oracle Banking Installer- Gateway Properties

- Specify the following details, refer the table below:

Table 1-8 Fields

Field	Description
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. Example: For Windows: D:\Kernel11.1\GW_MDB\XSD\ For Linux: /Kernel11.1/GW_MDB/XSD/

Table 1-8 (Cont.) Fields

Field	Description
Logger File	Specify the path to the ' gw_mdb_logger.properties ' file with the file name. The file must be manually copied to the specified location. Example: For windows: D:\Kernel11.1\GW_MDB\config\gw_mdb_logger.properties For Linux: /Kernel11.1/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 specified folder structure. Example: For windows: D:\Kernel11.1\GW_MDB\log\ For Linux: /Kernel11.1/GW_MDB/log/
Security Key for Encryption	Specify the security key for the Encryption, here in this case it is ' Oraclefinancialsolutions '.
SMS Pool Name	Specify SMS Pool Name, here in this case it is ' jdbc/fcjddevDSSMS '.
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.
OPSS CSF Available	Indicate whether OPSS-CSF is installed or not. Choose this only if Oracle Platform Security Services - Credential Store Framework (CSF) is installed as per the guidelines in the pre-requisite document. It is recommended that you install CSF for safeguarding application specific security credentials.
Distributed Schema	If the schema is distributed, select ' Yes '. If the schema is not distributed, select ' No '.
MSG IN LOG Required	Choose Yes/No from drop down box.
MSG OUT LOG Required	Choose Yes/No from drop down box.
Integration with CN Logger	Choose this check box if integration with CN logger is required.

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

Figure 1-17 Oracle Banking Installer0 Gateway Property File Creation

No.	Name	Value
1	Request Queue	MDB_QUEUE
2	Response queue	MDB_QUEUE_RESPONSE
3	DL Queue	MDB_QUEUE_DLQ
4	Connection Factory	MDBQCF
5	Secure Queue	☐
6	Caller ID	
7	Caller Password	

8. Specify the following details, refer the table below:

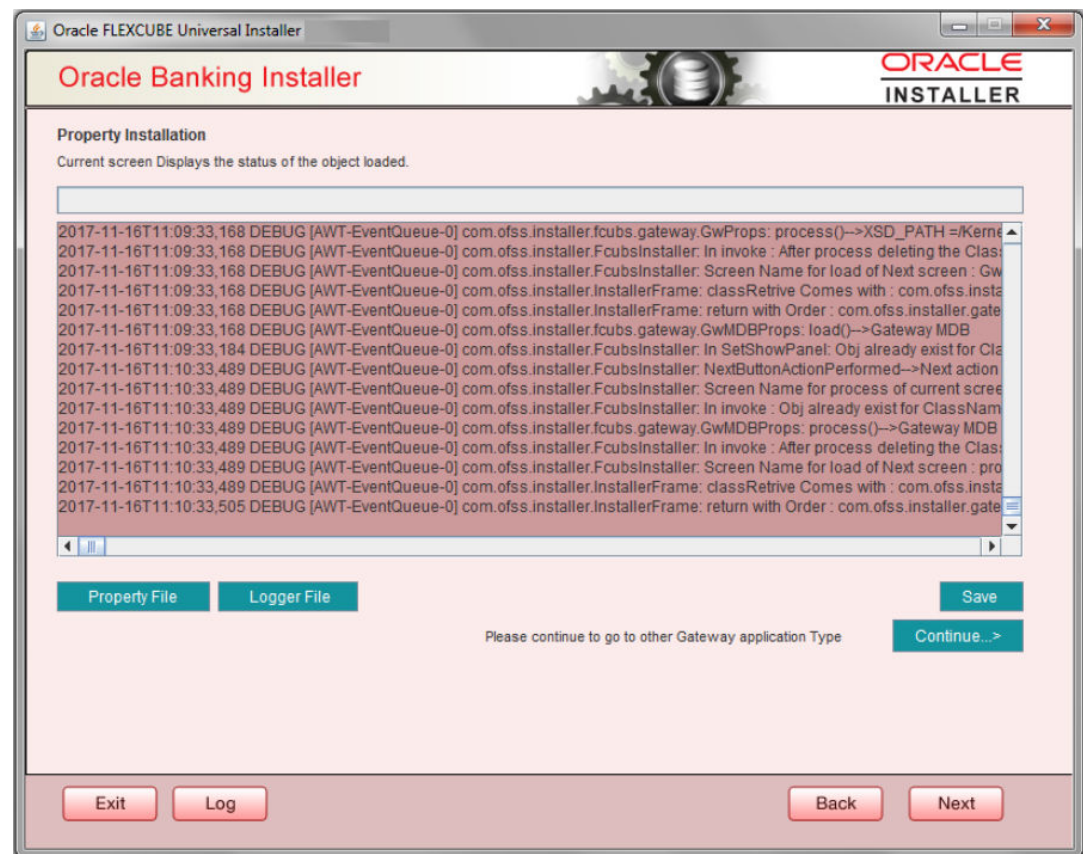
Table 1-9 Fields

Field	Description
Request Queue	Specify the request queue. This is the point-to-point destination type used for asynchronous peer communication. Example: MDB_QUEUE
Response Queue	Specify the response queue name. Example: MDB_QUEUE_RESPONSE
DL Queue	Specify the dead letter queue name. Example: MDB_QUEUE_DLQ Note: Refer Resources_To_ Be_Created.docx for creation of Queues
Connection Factory	Specify the connection configuration parameters to create connections for JMS clients. Example: MDBQCF

Table 1-9 (Cont.) Fields

Field	Description
Secure Queue	Check this box if the Caller ID and Caller Password values have to be entered. 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 and the property file will be created in a temporary folder.

Figure 1-18 Oracle Banking Installer- Property Installation

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

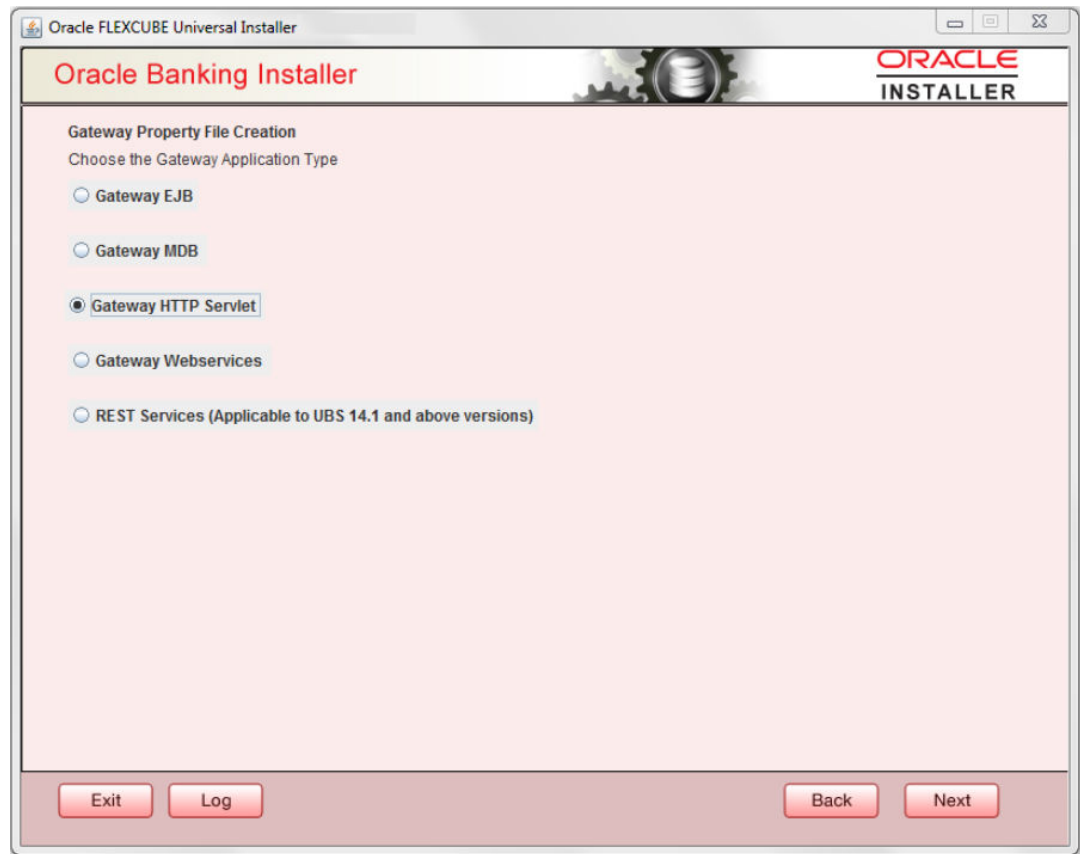
For Gateway MDB EAR Building refer 'OBTR_EAR_Building document'.

1.1.3 Gateway HTTP Servlet Application

Follow the steps given below:

1. Select **Gateway HTTP Servlet** as the application type as shown in the below Screen.

Figure 1-19 Gateway Property File Creation



2. Click **Next**. The following screen is displayed:
The installer displays the **Multi Entity** screen.

Figure 1-20 Mutli Entity Required

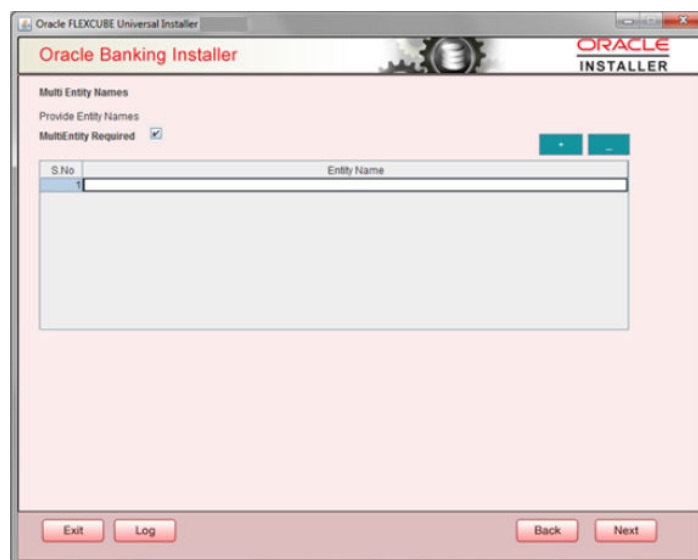


Table 1-10 Fields

Field	Description
MultiEntity Required	Select the multi entity check box for enabling the multi entity deployment. After selecting the multi entity option '+', '-' buttons will be enabled for capturing the entity Name.
+ Button:	New row will be added for capturing new entity name.
- Button	Select the entity name and click – button, deletion of existing entity name will be done.
Entity Name	Enter the entity name as single word. For example: ENTITY1

Click 'Next'. The following screen is displayed:

Figure 1-21 Property File Creation to modify gateway properties

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

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: oraclefinancials

SMS Pool Name: jdbc/fc/devDSSMS

DataSource: FLEXTEST.WORLD

☐ POSS DataSource ☒ OPSS CSF Available

POSS DataSource: POSSTEST.WORLD

Distributed Schema: No

MSG IN log Required: No

MSG OUT log Required: No

☐ Integration with CN Logger

Exit Log Back Next

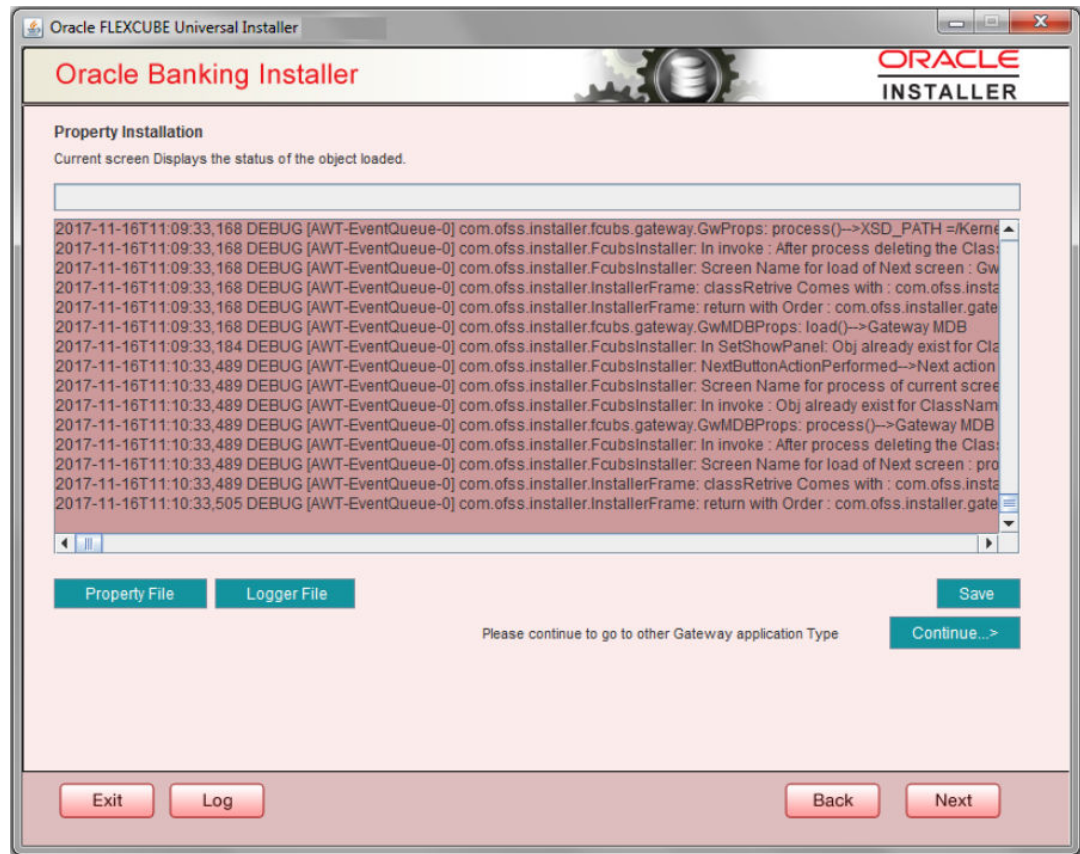
- Specify the following details, refer the table below:

Table 1-11 Fields

Field	Description
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. Example: For Windows: D:\Kernel11.1\GW_HTTP\XSD\ For Linux: /Kernel11.1/GW_HTTP/XSD/
Logger File	Specify the path to the 'gw_http_logger.properties' file with the file name. The file must be manually copied to the specified location. Example: For windows: D:\Kernel11.1\GW_HTTP\config\gw_http_logger.properties For Linux: /Kernel11.1/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 specified folder structure. Example: For windows: D:\Kernel11.1\GW_HTTP\log\ For Linux: /Kernel11.1/GW_HTTP/log/
Security Key for Encryption	Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.
SMS Pool Name	Specify SMS Pool Name, here in this case it is 'jdbc/fcjdevDSSMS'.
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.
OPSS CSF Available	Indicate whether OPSS-CSF is installed or not. Please choose this only if Oracle Platform Security Services - Credential Store Framework (CSF) is installed as per the guidelines in the pre-requisite document. It is recommended that you install CSF for safeguarding application specific security credentials.
Distributed Schema	If the schema is distributed, select 'Yes'. If the schema is not distributed, select 'No'. The Installer creates two files viz. 'gw_http_logger.properties' and 'GW_HTTP_Prop.properties' in the path provided to save the files
MSG OUT LOG Required	Choose Yes/No from drop down box.
MSG IN LOG Required	Choose Yes/No from drop down box.
Integration with CN Logger	Choose this check box if integration with CN logger is required.

Click **Next**. The following screen is displayed. The property file will be created in a temporary folder.

Figure 1-22 Property Installation



4. Click **Property File** to view the created property file.
5. Click **Save** to save the created property file in the desired location.
6. Click **Continue** to continue the installation process with gateway application type.
7. Click **Next** to navigate to the installer home screen.

The property file will be created in the specified folder.

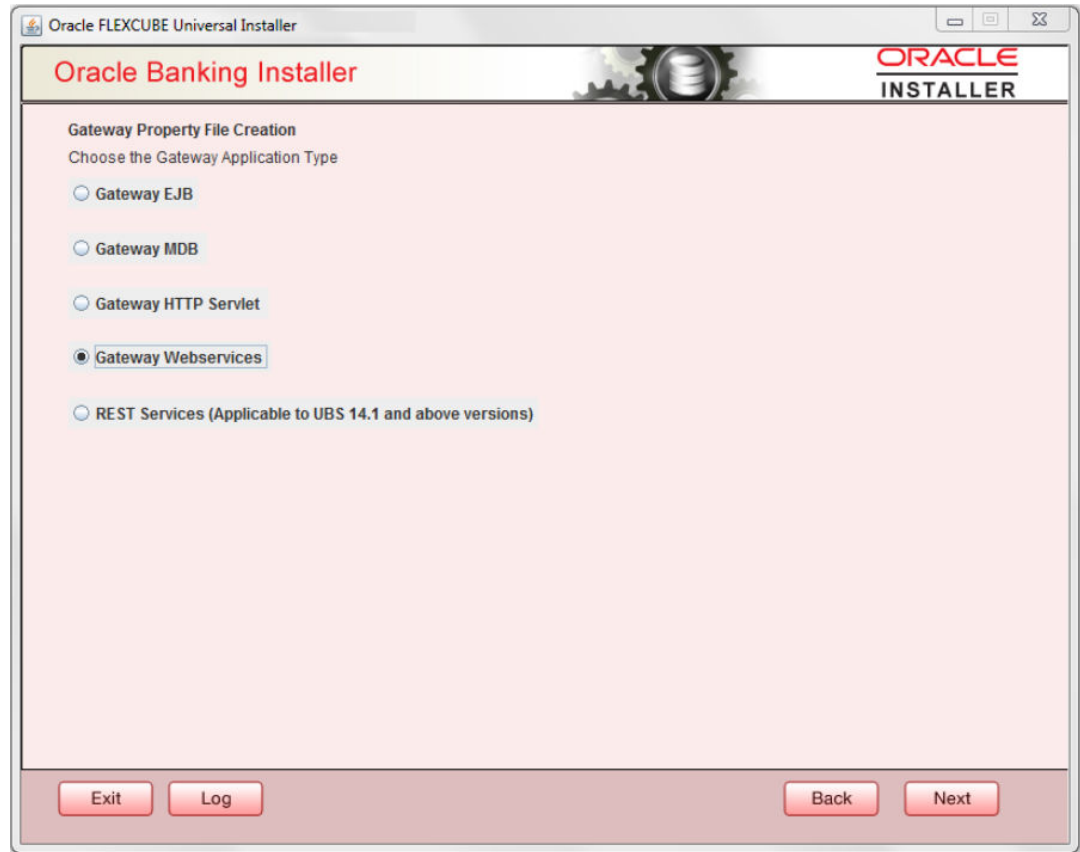
For Gateway HTTP EAR Building refer *Treasury Management EAR Building document*.

1.1.4 Gateway Web Service Application

Follow the steps given below:

1. Select **Gateway Web Service** as the application type as shown in the below Screen.

Figure 1-23 Oracle Banking Installer- Gateway Property File Creation



2. Click **Next**. The following screen is displayed.
The installer displays the **Multi Entity** screen.

Figure 1-24 Oracle Banking Installer- Multi Entity

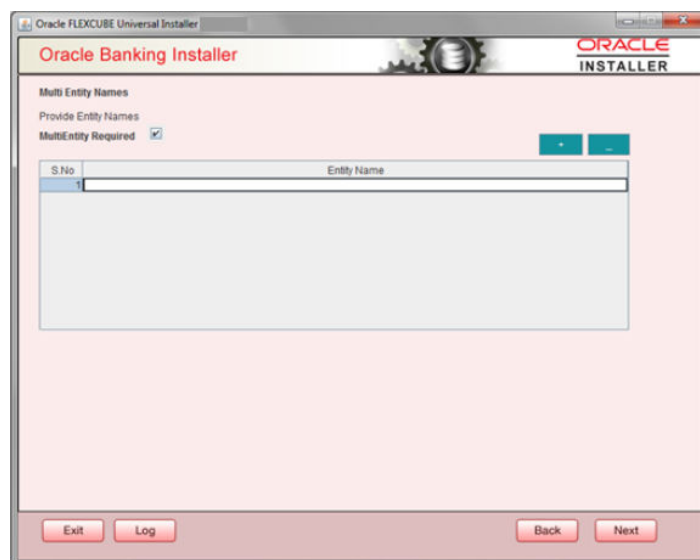


Table 1-12 Fields

Field	Description
MultiEntity Required	Select the multi entity check box for enabling the multi entity deployment. After selecting the multi entity option '+', '-' buttons will be enabled for capturing the entity Name.
+ Button:	New row will be added for capturing new entity name.
- Button	Select the entity name and click – button, deletion of existing entity name will be done.
Entity Name	Enter the entity name as single word. For example: ENTITY1

3. Click **Next**. The following screen is displayed:

Figure 1-25 Oracle Banking Installer- Property File Creation

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

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

External User Login Required ☐

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 all options unchecked and Click on Next.

MSAD/LDAP User Login Required: User can login with MSAD/LDAP user ID as well as FCUBS user ID.

External Password Required: The user can login with MSAD/LDAP server password only. The user ID can be either the MSAD/LDAP user ID or FCUBS user ID.

Authentication Type: LDAP/MSAD is the type of external server used for authentication.

Exit Log Back Next

4. Specify the following details, refer the table below:

Table 1-13 Fields

Field	Description
SSO Required	Check this box to enable single sign-on (SSO). If you check this box, you need to specify the SSO Key.

Table 1-13 (Cont.) Fields

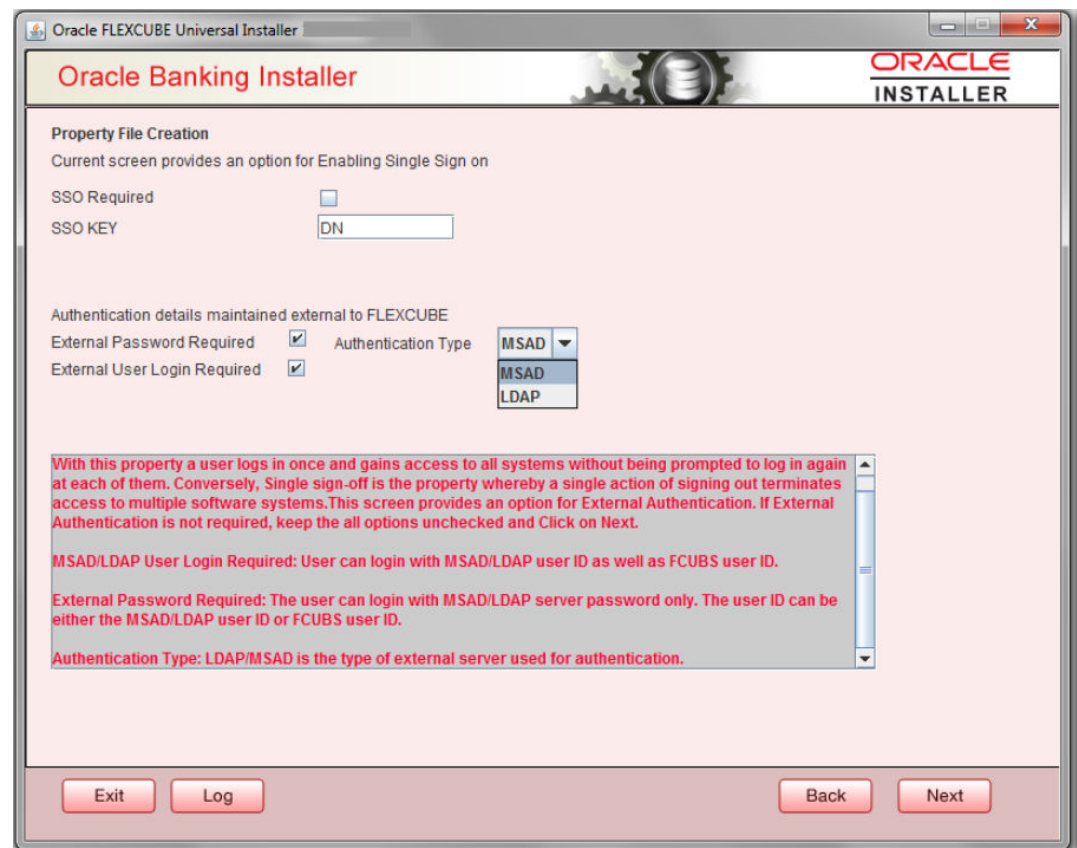
Field	Description
SSO Key	Specify the SSO key. If you have checked the box ' SSO Required ', it is mandatory to specify the SSO key. If you have checked the box ' SSO Required ', then the Installer will skip the following two screens and will directly navigate to the Modifying the Gateway properties Screen. If you have not checked the box ' SSO Required ', then click ' Next '. 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 with MSAD/LDAP server user Id as well as FCUBS user Id. If you do not check this box, the user can login using FCUBS user Id only.

Figure 1-26 Oracle Banking Intaller- Property File Creation



External Password Required

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

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
- 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.

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

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)

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

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

Figure 1-27 Oracle Banking Installer- Property File Creation

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	☐
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

6. Specify the following LDAP server details, refer the table below:

Table 1-14 Fields

Field	Description
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.

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

Figure 1-28 Oracle Banking Installer- Property File Creation

8. Specify the following details, refer the table:

Table 1-15 Fields

Field	Description
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. Example: For Windows: D:\Kernel11.1\GW_WS\XSD\ For Linux: /Kernel11.1/GW_WS/XSD/
Logger File	Specify the path to the 'gw_ws_logger.properties' file with the file name. The file must be manually copied to the specified location. Example: For windows: D:\Kernel11.1\GW_WS\config\gw_ws_logger.properties For Linux: /Kernel11.1/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 specified folder structure. Example: For windows: D:\Kernel11.1\GW_WS\log\ For Linux: /Kernel11.1/GW_WS/log/

Table 1-15 (Cont.) Fields

Field	Description
Security Key for Encryption	Specify the security key for the Encryption, here in this case it is 'Oraclefinancialsolutions'.
SMS Pool Name	Specify SMS Pool Name, here in this case it is 'jdbc/fcjddevDSSMS'.
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.
OPSS CSF Available	Indicate whether OPSS-CSF is installed or not. Choose this only if Oracle Platform Security Services - Credential Store Framework (CSF) is installed as per the guidelines in the pre-requisite document. It is recommended that you install CSF for safeguarding application specific security credentials.
Distributed Schema	If the schema is distributed, select 'Yes'. If the schema is not distributed, select 'No'.
MSG IN LOG Required	Choose Yes/No from drop down box.
MSG OUT LOG Required	Choose Yes/No from drop down box.
Integration with CN Logger	Choose this check box if integration with CN logger is required.

9. Specify the following details.

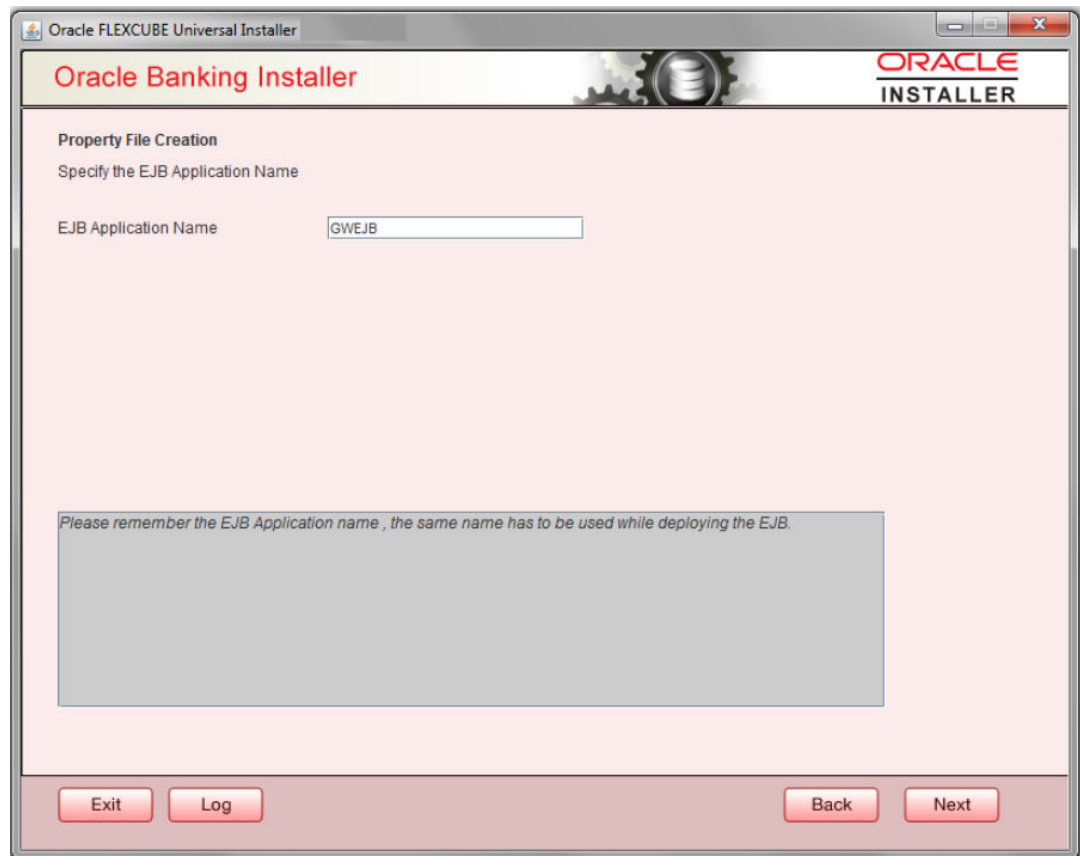
EJB Application Name

Specify the name of the EJB application deployed.

E.g.: GWEJB.

Click 'Next'. The following screen is displayed.

Figure 1-29 Oracle Banking Installer- EJB Application Name



10. Specify the following details:

Figure 1-30 Oracle Banking Installer- Gateway Property File Creation

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

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

No.	Name	Value
1	EJB JNDI Name	#com.ofss.fcubs.gw.ejb.GWEJBRemote
2	Application Server URL	http://10.10.10.10:7001
3	User Name	infra
4	Password	*****
5	EJB Look Up	

Application Type: **INTEGRATED**

Application type can later be edited in env.properties

Exit Log Back Next

Table 1-16 Fields

Field	Description
EJB JNDI Name	If you build the EJB application with GWEJB name, this will create the name with which the EJB EAR file is built. If you select EJB Call Type as REMOTE, this will create '<EJB_APPLICATION_NAME>#com.ofss.fcubs.gw.ejb.GWEJBRemote' in 'GW_WS_Prop.properties' file Example: Weblogic/Websphere : GWEJB #com.ofss.fcubs.gw.ejb.GWEJBRemote
Application Server URL	Specify the URL of the application server where the webservice application is hosted. Example: 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. Example: infra
Password	Specify the password for the above user name.

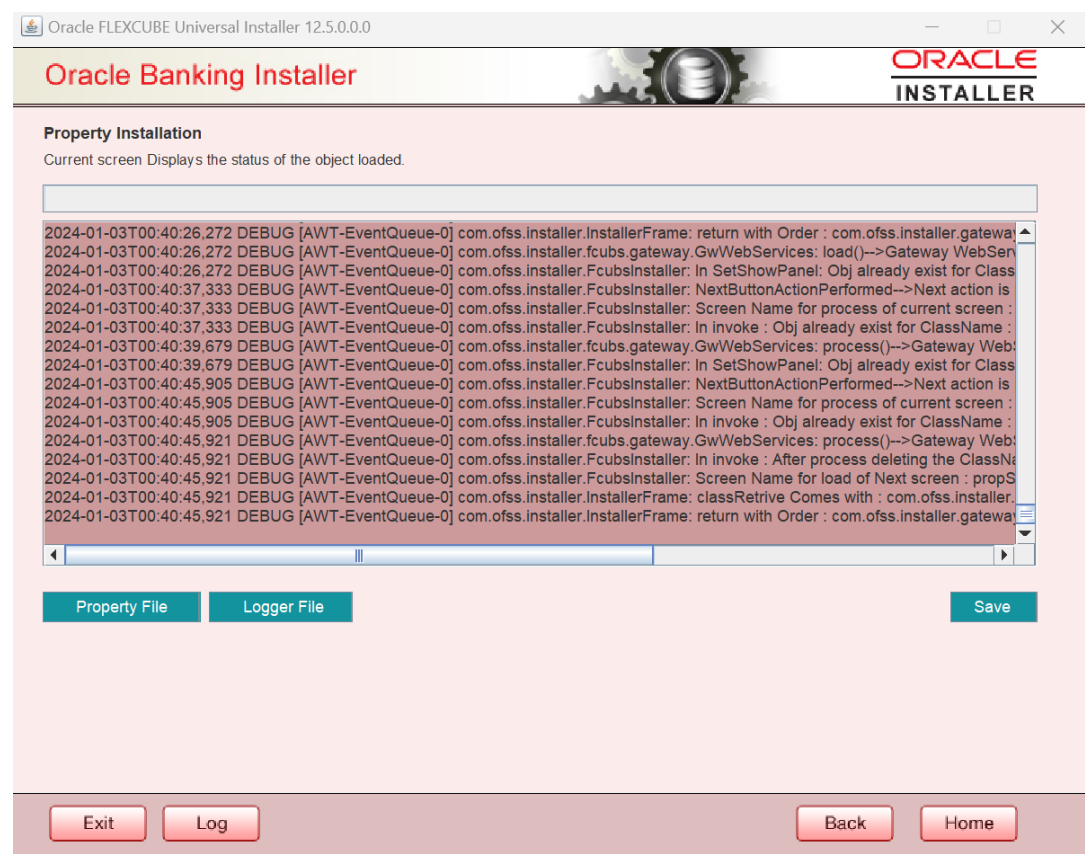
Table 1-16 (Cont.) Fields

Field	Description
EJB Look Up	Specify the EJB look up type from the drop down-list. The options are LOCAL/REMOTE
Application Type	Specify the Application Type from the drop down list: - If the Application type is 'INTEGRATED' then the EJB look up type should be select as 'LOCAL' - If the Application type is 'INDIVIDUAL' then the EJB look up type should be select as 'REMOTE' and EJB should configure in any server. ('REMOTE' only works with combination of EJB & GWSWS) - 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.

- Click **Property File** to view the status of the created property file.

Figure 1-31 Property Installation



- Click '**Save**' to the save the created property file in desire location.
- Click '**Continue**' to continue the installation process with gateway application type.
- Click '**Next**' to navigate to the installer home screen.

The property file will be created in the specified folder.

15. If Application Server is "**Websphere**" and EJB Look Up is "**REMOTE**", change below entry in GW_WS_Prop.properties:

EJB_CTX_FACTORY=weblogic.jndi.WLInitialContextFactory

to

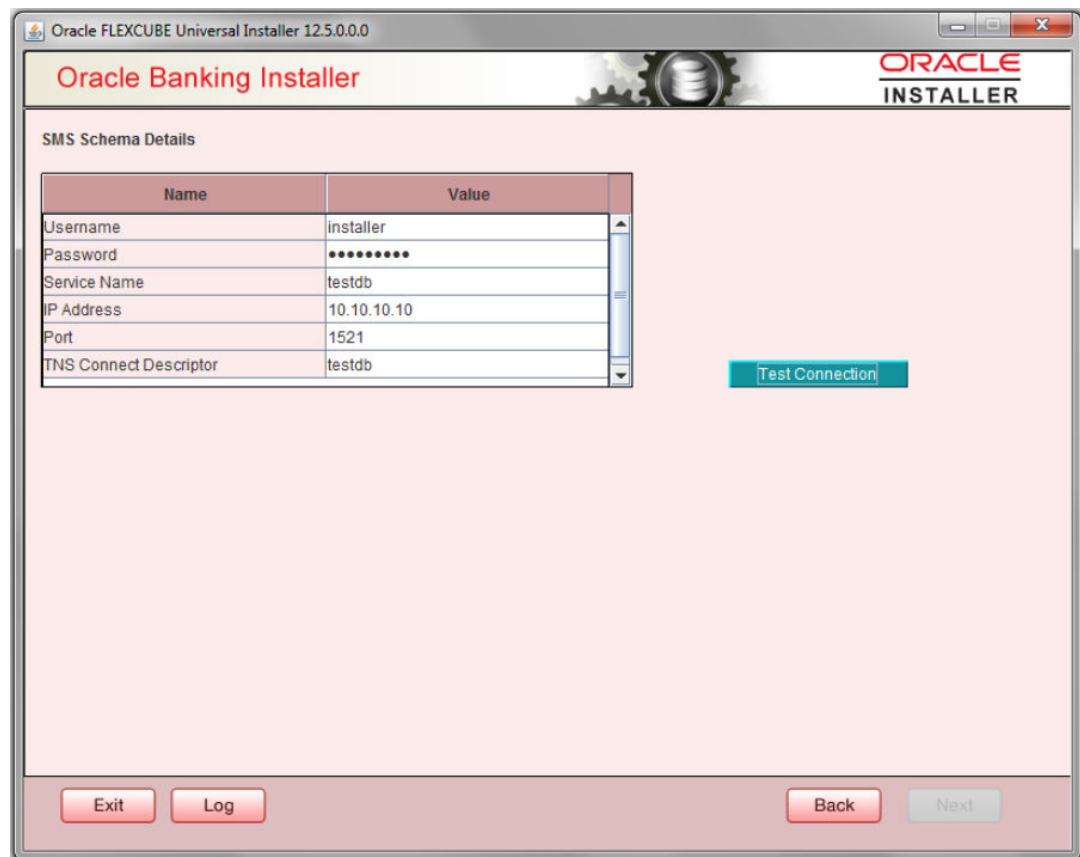
EJB_CTX_FACTORY=com.ibm.websphere.naming.WsnInitialContextFactory

1.1.5 REST Services Application

Follow the steps given below:

1. Select **Rest Services** as the application type as shown in the below Screen.
2. Click **Next**. The following screen is displayed to capture Schema details. Enter valid username, password, IP Address, port and TNS descriptor and click on **Test Connection**.

Figure 1-32 Oracle Banking Installer- SMS Schema Details



Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer

ORACLE INSTALLER

SMS Schema Details

Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

Test Connection

Exit Log Back Next

3. Successful test connection will enable Next button. Click on it o proceed to next page.

Figure 1-33 Oracle Banking Installer- REST EJB Properties

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

ORACLE
INSTALLER

REST EJB Properties

Current screen provides an option for modifying the REST EJB Properties

REST EJB Logger File: /Kernel11.1/REST_EJB/config/gw_restejb_logger.properties

REST EJB Debug Path: /Kernel11.1/REST_EJB/log/

REST EJB Security Key for Encryption: oraclefinancialsolutions

REST EJB Msg Schema Pool Name: jdbc/fcdevDSSMS

MSG IN log Required: No

MSG OUT log Required: No

Exit Log Back Next

In above page, Enter the below REST EJB details, refer the table below:

Table 1-17 Fields

Field	Description
REST EJB Logger File	Enter logger property file path.
REST EJB Debug Path	Enter path where debugs are to be written.
REST EJB Security Key for Encryption	Specify the security key for the Encryption. In this case it is 'oraclefinancialsolutions'.
REST EJB Msg Schema Pool Name	Enter valid pool name. by default it is : jdbc/fcdevDSSMS
MSG IN LOG Required	Choose Yes/No from drop down box.
MSG OUT LOG Required	Choose Yes/No from drop down box

4. Click on **'Next'** Button to enter REST Services information.

Figure 1-34 Oracle Banking Installer- REST Services Properties and REST EJB Details

The screenshot shows the 'Oracle FLEXCUBE Universal Installer 12.5.0.0.0' window. The title bar includes the Oracle logo and the word 'INSTALLER'. The main window has a header 'Oracle Banking Installer' with a gear icon. Below the header, there are two main sections: 'REST Services Properties' and 'REST EJB Details'.

REST Services Properties

Current screen provides an option for modifying the REST Services Properties

REST Services Logger File: /Kernel11.1/RESTServices/config/gw_rest_logger.properties

REST Services Debug Path: /Kernel11.1/RESTServices/log/

REST Services Security Key for Encryption: oraclefinancialsolutions

REST Services Msg Schema Pool Name: jdbc/fcdevDSSMS

Authentication Scheme: FLEXCUBE (dropdown menu)

REST Client ID: oracle

REST Client Secret: CustomerServer

Access Token URL: http://10.184.132.161:14100/ms_oauth/oauth2/endpoints/oauthservice/tokens

REST EJB Details

CTX Factory: weblogic.jndi.WLInitialContextFactory

Provider URL: t3://localhost:7030

Security Principal: weblogic

Security Credentials: *****

JNDI Name: GWRestEJB#com.ofss.fcc.gw.rest.GWRestRemote

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

This Screen captures below properties, refer the table below:

Table 1-18 Fields

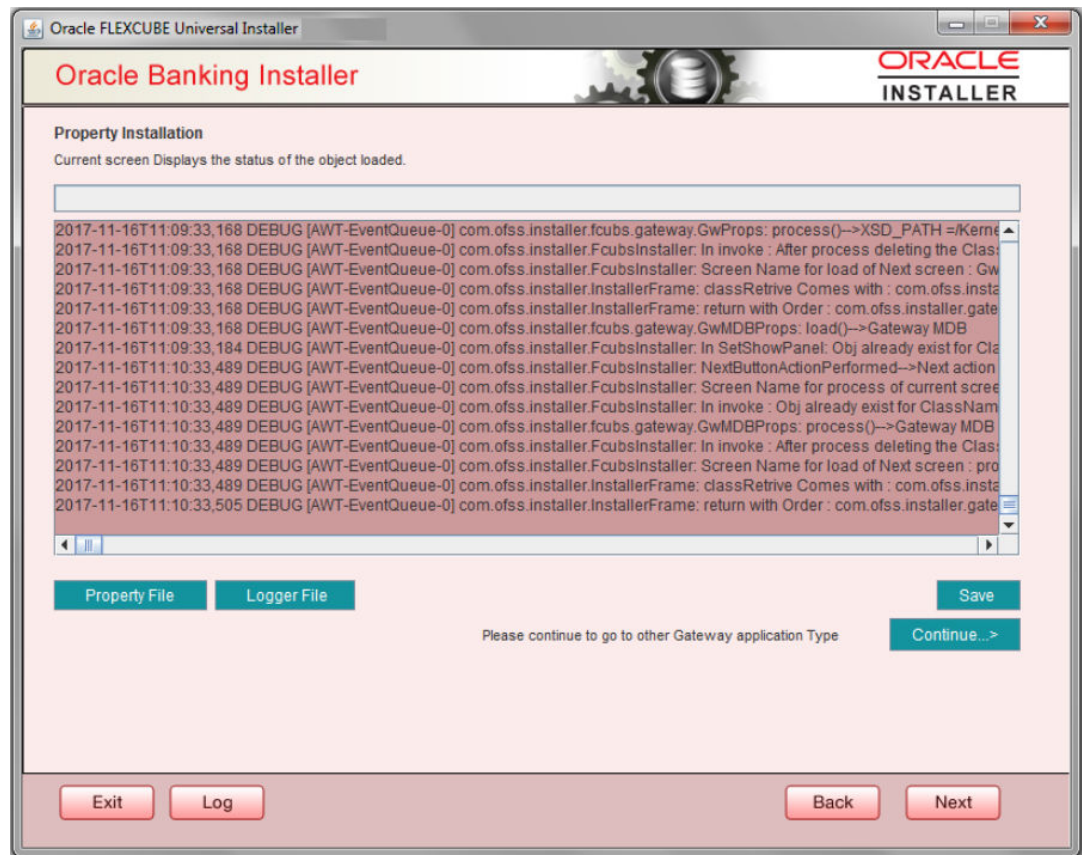
Field	Description
REST Services Logger File	Enter logger property file path.
REST Services Debug Path	Enter path where debugs are to be written.
REST Services Security Key for Encryption	Specify the security key for the Encryption. In this case it is 'oraclefinancialsolutions'.
REST Services Msg Schema Pool Name	Enter valid pool name. by default it is : jdbc/fcdevDSSMS
Authentication Scheme	OAUTH and FLEXCUBE are two types of Authentication Schemes available. Please note, for FLEXCUBE authentication Scheme, REST Client ID, REST Client Secret, Access Token URL are disabled. The same has to be entered if AOUTH is selected.
CTX factory	Provide valid CTX factory information.
Provider URL	Enter URL with valid port number.
Security Principal	Provide Security principal username.
Security Credentials	Provide Security principal password.

Table 1-18 (Cont.) Fields

Field	Description
JNDI Name	JNDI Name will be defaulted based on application server selected.

Click on **Next** button.

Figure 1-35 Oracle Banking Installer- Property File Creation



5. Click **Property File** to view the created property file.
6. Click **Save** to save the created property file in the desired location.
7. Click **Continue** to continue the installation process with gateway application type.
8. Click **Next** to navigate to the installer home screen.

The property file will be created in a temporary folder.

For Gateway MDB EAR Building refer *Treasury Management EAR Building document*.