Oracle Banking Trade Finance GATEWAY Property File Creation



Release 14.7.5.0.0 G15574-01 September 2024

ORACLE

Oracle Banking Trade Finance GATEWAY Property File Creation, Release 14.7.5.0.0

G15574-01

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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 viz. Enterprise Java Bean (EJB), Message Driven Beans (MDB), Web Services and Servlet.

1.2 Creating Property Files

This topic explains systematic instructions to create the property file for the Gateway application.

Follow the steps given below:

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

| al Installer | | |
|--------------------------------------|---|---|
| ig Installer | | |
| rsal Banking Installer | | |
| | | |
| e should be Installed. Installed. | | |
| d Oracle Home path. | | |
| | | Browse |
| | | Browse |
| he below options: | | |
| Property File creation | | |
| Utilities | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | Back Next |
| | rsal Banking Installer e should be Installed. installed. d Oracle Home path. he below options: Property File creation Utilities | rsal Banking Installer e should be Installed. nstalled. d Oracle Home path. he below options: Property File creation Utilities |

Figure 1-1 Oracle Banking Installer



- 2. On the **Welcome To Oracle Universal Banking Installer** screen, click Browse, and specify the JDK Path and Oracle Home Path.
- 3. On the Welcome To Oracle FLEXCUBE Universal Banking Installer screen, select the Property File Creation option, and click Next. The Select One of the Components screen displays.

| Figure 1-2 | Select One of the Components |
|------------|------------------------------|
|------------|------------------------------|

| Source FLEXCUBE Universal Installer 12.5.0.0.0 | - 🗆 X |
|--|-----------|
| Oracle Banking Installer | |
| Select one of the Components | |
| Load Existing Property File | Browse |
| ○ INFRA | |
| 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 | |
| Vracle Banking Trade Finance | |
| Select Plugins to be Installed | |
| Branch Centralized Coad Existing Branch Property File | Browse |
| Host Address 10.10.10.10 1010 BPEL Scheduler Standalone | ~ |
| Reports 10.10.10.10 1010 OFTW FGL SIANET A | ldapter |
| DMS 10.10.10.10 1010 Insulation ELCM Adapter required | |
| | |
| Exit | Back Next |

4. Select component as 'Gateway, and click Next. The Environment Details screen displays.

Figure 1-3 Provide Environment Details

| Oracle Banking Ins | staller | | |
|------------------------------|------------------------------|---------------|-----------|
| Provide Environment details. | | | |
| EAR Name FCUBS | | | |
| File Seperator Style Linux | × | | |
| Application Server Weblogic | * | | |
| Application Server Path | C:/Oracle/Middleware/Oracle_ | Home/wiserver | Browse |
| Source Path | C/Projects/FC1250SDC/COM | ISOLE_EXE | Browse |
| Ear Destination Path | C/Projects/FC125OSDC/DES | at . | Browse |
| | | | |
| Exit Log | | | Back Next |

- 5. Specify the EAR Name, Application Server Path, Source Path, and EAR destination path, and then click **Next**.
- Gateway EJB Application This topic explains systematic instructions to create a property file by choosing Gateway EJB as the application type.
- Gateway MDB Application This topic provides systematic instructions to create a Property File by choosing Gateway MDB Application as the application type.
- Gateway HTTP Servlet Application
- Gateway Web Service Application
- REST Services Application

1.2.1 Gateway EJB Application

This topic explains systematic instructions to create a property file by choosing Gateway EJB as the application type.

- 1. On the **Gateway Property File Creation** screen, select '**Gateway EJB**' as the application type, and click **Next**.
 - Figure 1-4 Gateway Property File Creation



| ORACLE INSTALLER |
|---------------------|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| Next |
| |

The installer displays the 'Multi Entity' screen.

Figure 1-5 Multi Entity Names

| Oracle FLEXCUBE Universal Installer | | |
|--|-------------|-----------|
| Oracle Banking Installer | | |
| Multi Entity Names Provide Entity Names | | |
| MultiEntity Required | | |
| S.No 1 | Entity Name | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Exit | | Back Next |
| Exit | | Back Next |

2. On the Multi Entity Names screen, specify the 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 |

 Table 1-1
 Multi Entity Names - Field Description.

3. Click 'Next'. The Property File Creation screen displays.

Figure 1-6 Property File Creation

| Oracle FLEXCUBE Universal | nstaller | |
|--|--|--|
| Oracle Banking | Installer | |
| Property File Creation Current screen provides an | option for Enabling Single Sign on | |
| SSO Required | × | |
| SSO KEY | DN | |
| Authentication details main | ained external to FLEXCUBE | |
| External Password Require | | |
| External User Login Requir | ed 🗌 | |
| at each of them. Converse access to multiple softwa Authentication is not requi MSAD/LDAP User Login Re External Password Requir | In once and gains access to all systems without being prompt y, Single sign-off is the property whereby a single action of signin e systems. This screen provides an option for External Authentica red, keep the all options unchecked and Click on Next. quired: User can login with MSAD/LDAP user ID as well as FCUBS ed: The user can login with MSAD/LDAP server password only. The | g out terminates ation. If External user ID. |
| either the MSAD/LDAP use | r ID or FCUBS user ID. | |
| Authentication Type: LDAP | MSAD is the type of external server used for authentication. | • |
| | | |
| | | |
| | | |
| Exit Log | | Back Next |

4. On the **Property File Creation** screen, specify the fields.

Figure 1-7 Property File Creation



| Oracle FLEXCUBE Universal Installer | — — X |
|--|---------------------|
| 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 I Authentication Type MSAD External User Login Required I 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 |
| | |

Table 1-2 Property File Creation

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

| Field | Description | |
|---------------------------------|--|--|
| 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 FCUBS user Id. If you do not check this box, the user can login using FCUBS user Id only. (MSAD: Microsoft Active Directory, LDAP: Lightweight Directory Access Protocol.) | |
| | | |
| 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 | |

 Table 1-2
 (Cont.) Property File Creation

5. Select the authentication type.

Figure 1-8 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 | INSTALLER |
| Authentication details maintained external to FLEXCUBE External Password Required Authentication Type MSAD External User Login Required MSAD LDAP | 1 |
| A teach 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 |

If you checked the boxes (External User Login Required and External Password Required, then the installer navigates to the following screen.

6. Click Next. The Property File Creation screen displays.

Figure 1-9 Property File Creation

| Oracle | FLEXCUBE Universal Installer | | | <u> </u> |
|------------------------|------------------------------|------------------------|----------|-----------|
| Ora | cle Banking Instal | ler | | |
| Property File Creation | | | | |
| 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 | - | |
| | | | | |
| E | Exit | | | Back Next |

7. Specify the following LDAP server details.

Table 1-3 Property File Creation

| 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 | SERVER URL. 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. | |



| 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. |

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

Figure 1-10 Property File Creation

| Soracle FLEXCUBE Universal Insta | ller | |
|---|--|-----------|
| Oracle Banking Ir | nstaller | |
| Property File Creation Current screen provides an op | tion 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 | oraclefinancialsolutions | |
| SMS Pool Name | jdbc/fcjdevDSSMS | |
| 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 | |
| | | |
| | | |
| | | |
| | | |
| Exit Log | | Back Next |

9. Specify the following details.



| Field | Description | |
|--------------------------------|--|--|
| XSD Path | Specify the path to the XSD file. File name is not required. File separator must be ' <i>I</i> '. There must be a ' <i>I</i> ' 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 ' <i>I</i> ' 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/ | |
| 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. | |
| | ✓ Note: 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. | |

 Table 1-4
 Property File Creation

| Field | Description |
|----------------------|--|
| MSG OUT LOG Required | Choose Yes/No from drop down box. |
| | Note: The Installer creates two files viz. 'gw_ejb_logger.properties' and 'GW_EJB_Prop.propeties' in the path provided to save the files. |

 Table 1-4
 (Cont.) Property File Creation

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

Figure 1-11 Property Installation

| Soracle FLEXCUBE Universal Installer | |
|--|--|
| Oracle Banking Installer | ORACLE INSTALLER |
| Property Installation Current screen Displays the status of the object loaded. | |
| 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,184 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:09:33,184 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:10:33,184 DEBUG [AWT-EventQueue-0] com.ofss.inst 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.inst | Iller,FcubsInstaller: In invoke : After process deleting the Class Iller,FcubsInstaller: Screen Name for load of Next screen : Gw Iller,Installer,Frame: classRetrive Comes with : com.ofss.insta Iller,Installer,Frame: return with Order : com.ofss.installer, gate Iller,Fcubs.gateway.GwMDBProps: load()>Gateway MDB Iller,FcubsInstaller: In SetShowPanel: Obj already exist for Class Iller,FcubsInstaller: NextButtonActionPerformed>Next action Iller,FcubsInstaller: In invoke : Obj already exist for ClassNam Iller,FcubsInstaller: In invoke : Obj already exist for ClassNam Iller,FcubsInstaller: In invoke : Obj already exist for ClassNam Iller,FcubsInstaller: In invoke : After process deleting the Class Iller,FcubsInstaller: Screen Name for load of Next screen : pro Iller,FcubsInstaller: Screen Name for load of Next screen : pro Iller,FcubsInstaller: Screen Name for load of Next screen : pro Iller,FcubsInstaller: Screen Name for load of Next screen : pro Iller,FcubsInstaller: Screen Name for load of Next screen : pro |
| Property File Logger File Please conti | ■ Save |
| Exit | Back Next |

The property file will be created in a temporary folder.

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

For Gateway EJB EAR Building refer 'OBTF_EAR_Building document'



1.2.2 Gateway MDB Application

This topic provides systematic instructions to create a Property File by choosing Gateway MDB Application as the application type.

Follow the steps given below:

1. On the **Gateway Property File Creation** screen, select **Gateway MDB** as the application type as shown in the below Screen.

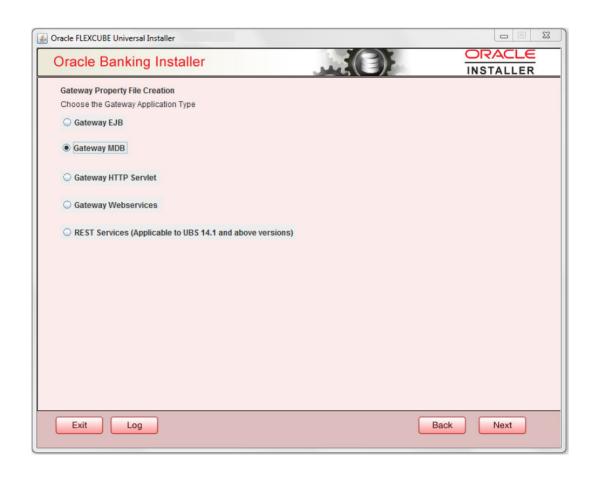


Figure 1-12 Gateway Property File Creation

2. Click Next. The installer displays the 'Multi Entity' screen

Figure 1-13 Multi Entity Names

| Oracle FLEXCUBE Universal Installer | | |
|-------------------------------------|-------------|-----------|
| Oracle Banking Installer | | |
| Multi Entity Names | | |
| Provide Entity Names | | |
| MultiEntity Required | | |
| S.No | Entity Name | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Exit Log | | Back Next |

3. On the Multi Entity Names screen, specify the fields.

For more information on fields, refer the table below:

| Table 1-5 | Multi Entit | y Names - | Field | Description |
|-----------|-------------|-----------|-------|-------------|
|-----------|-------------|-----------|-------|-------------|

| 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 | |

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

| Oracle FLEXCUBE Universal Installer | — — X |
|---|--------------|
| Oracle Banking Installer | |
| Property File Creation Current screen provides an option for Enabling Single Sign on SSO Required | |
| SSO KEY DN | |
| Authentication details maintained external to FLEXCUBE External Password Required Authentication Type | |
| With this property a user logs in once and gains access to all systems without being prompted to log in a at each of them. Conversely, Single sign-off is the property whereby a single action of signing out termina access to multiple software systems. This screen provides an option for External Authentication. If Extern 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. | tes 🗌 |
| External Password Required: The user can login with MSAD/LDAP server password only. The user ID can either the MSAD/LDAP user ID or FCUBS user ID. Authentication Type: LDAP/MSAD is the type of external server used for authentication. | be |
| | |
| Exit Log B | ack Next |

Figure 1-14 Property File Creation

5. Specify the field details.

For more information on fields, refer the table below:

| 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. |
| 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.



| Oracle Banking Installer | |
|--|----------|
| Property File Creation Current screen provides an option for Enabling Single Sign on SSO Required | |
| SSO KEY DN | |
| Authentication details maintained external to FLEXCUBE External Password Required Authentication Type 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 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.

| 🕼 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 IMSAD 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. | |
| 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 | |



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.



| | rty File Creation 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 | - | |
| | | | | |

7. Specify the following LDAP server details.

| 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. |



| 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 | d |
|--|---|
|--|---|

| Solution of the second | ler | |
|---|---|-----------|
| Oracle Banking Ir | istaller | |
| Property File Creation Current screen provides an op | tion for modifying the Gateway Properties | |
| XSD Path | /Kernel11.1/GW_MDB/XSD/ | |
| Logger File | kernel11.1/GW_MDB/config/gw_mdb_logger.properties | |
| Debug Path | /Kernel11.1/GW_MDB/log/ | |
| Security Key for Encryption | oraclefinancialsolutions | |
| SMS Pool Name | jdbc/fcjdevDSSMS | |
| DataSource | FLEXTEST.WORLD | |
| | POSS DataSource OPSS CSF Available | |
| POSS DataSource | | |
| Distributed Schema | No 💌 | |
| MSG IN log Required | No - MSG OUT log Required No - | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Exit Log | | Back Next |

8. Specify the field details.

| Field | Description |
|----------|--|
| XSD Path | Specify the path to the XSD file. File name is not required. File separator must be T . There must be a T 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/ |



| 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 T 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/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. | |
| | Note: 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 '. | |

Click 'Next'. The following screen is displayed.

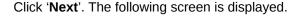
| Ora | acle Banking Ir | nstaller | |
|-------|---------------------------|----------------------------------|--------------|
| Gatew | vay Property File Creatio | n | |
| Curre | nt screen provides an opt | ion for modifying MDB Properties | |
| No. | Name | Value | |
| 1 | Request Queue | MDB_QUEUE | |
| 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 | | |
| | | | |
| _ | Exit Log | | ack Next |

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

| 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 |
| Connection Factory | Specify the connection configuration parameters to create connections for JMS clients. Example: MDBQCF |



| 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. |



| Oracle FLEXCUBE Universal Installer | |
|---|---|
| Oracle Banking Installer | |
| Property Installation Current screen Displays the status of the object loaded. | |
| 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.fcubs.gateway. 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.FcubsInstaller. 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.InstallerFrame 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.InstallerFrame 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.fcubs.gateway. 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.FcubsInstaller. 2017-11-16T11:09:33,168 DEBUG (AWT-EventQueue-0) com.ofss.installer.FcubsInstaller. 2017-11-16T11:10:33,489 DEBUG (AWT-EventQueue-0) com.ofss.installer.FcubsInstaller. 2017-11-16T11:10:33,56 DEBUG (AWT-EventQueue-0) com.ofss.installer.FcubsInstaller. 2017-11-16T11:10:33,56 DEBUG (AWT-EventQueue-0) com.ofss.installer.Finstaller.Frame 2017-11-16T11:10:33,56 DEBUG (AWT-EventQueue-0) com.ofss.installer.Finstaller.Frame | In Invoke : After process deleting the Class Screen Name for load of Next screen : Gw classRetrive Comes with : com.ofss.insta : return with Order : com.ofss.installer.gate GwMDBProps: load()->Gateway MDB In SetShowPanel: Obj already exist for Cla NextButtonActionPerformed->Next action Screen Name for process of current scree In invoke : Obj already exist for ClassNam GwMDBProps: process()->Gateway MDB In invoke : After process deleting the Class Screen Name for load of Next screen : pro : classRetrive Comes with : com.ofss.instal : return with Order : com.ofss.installer.gate |
| Property File Logger File Please continue to go to other Gat | Save Eeway application Type Continue> |
| Exit Log | Back Next |

The property file will be created in a temporary folder.

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

For Gateway MDB EAR Building refer 'OBTF_EAR_Building document'.

1.2.3 Gateway HTTP Servlet Application

Follow the steps given below:

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

| Back Next |
|-----------|
| |

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

The installer displays the 'Multi Entity' screen.

| Oracle FLEXCUBE Universal Installer | | |
|--|-------------|-----------|
| Oracle Banking Installer | | |
| Multi Entity Names Provide Entity Names MultiEntity Required 🕑 | | |
| S.No | Entity Name | |
| 1 | | |
| | | |
| | | |
| | | |
| | | |
| N | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Exit | | Back Next |



| 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:

| Gracle FLEXCUBE Universal Insta | ller | |
|---|---|-----------|
| Oracle Banking Ir | istaller | |
| Property File Creation Current screen provides an op | tion for modifying the Gateway Properties | |
| XSD Path | /Kernel11.1/GW_HTTP/XSD/ | |
| Logger File | Kernel11.1/GW_HTTP/config/gw_http_logger.properties | |
| Debug Path | /Kernel11.1/GW_HTTP/log/ | |
| Security Key for Encryption | oraclefinancialsolutions | |
| SMS Pool Name | jdbc/fcjdevDSSMS | |
| 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 - | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Exit Log | | Back Next |

4. Specify the field details.

| Field | Description |
|----------|--|
| XSD Path | Specify the path to the XSD file. File name is not required. File separator must be T . There must be a T 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/ |



| Field | Description | |
|--------------------------------|---|--|
| 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 ' <i>I</i> ' 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. | |
| 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 | |

Click 'Next'. The following screen is displayed.



| Oracle FLEXCUBE Universal Installer | — — X |
|---|--|
| Oracle Banking Installer | |
| Property Installation Current screen Displays the status of the object loaded. | |
| 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwProps: process 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pro 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Com 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Com 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Com 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: return with Order 2017-11-16T11:09:33,184 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In SetShowPanel: 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In SetShowPanel: 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : Obj after 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pri 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pri 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pri 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. Screen Name for 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pri 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After pri 2017-11-16T11:10:33,505 DEBUG [AWT-EventQueue-0] com.ofss.installer.Instal | cess deleting the Clas: load of Next screen : Gw nes with : com.ofss.insta : com.ofss.installer.gate d()>Gateway MDB Obj already exist for Cla Performed>Next action process of current scree eady exist for ClassNam cess()>Gateway MDB bocess deleting the Class load of Next screen : pro nes with : com.ofss.insta |
| Property File Logger File Please continue to go to other Gateway application Typ | Save Continue> |
| Exit Log Ba | ack Next |

The property file will be created in a temporary folder.

- 5. Click 'Property File' to view the created property file.
- 6. Click 'Save' to the save the created property file in desire 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 the specified folder.



For Gateway HTTP EAR Building refer 'OBTF_EAR_Building document'.

1.2.4 Gateway Web Service Application

Follow the steps given below:

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

| Back Next |
|-----------|
| |

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

The installer displays the 'Multi Entity' screen.

| Oracle FLEXCUBE Universal Installer | | -Constant - X- |
|--|-------------|----------------|
| Oracle Banking Installer | | |
| Multi Entity Names Provide Entity Names MultiEntity Required 🗹 | | |
| S.No | Entity Name | |
| | | |
| | | |
| Exit | | Back Next |



| 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. On the Multi Entity Names screen, click 'Next'. The following screen is displayed:

| Oracle FLEXCUBE Universal Inst | aller | |
|--|---|---|
| Oracle Banking I | nstaller | |
| Property File Creation Current screen provides an op | tion for Enabling Single Sign on | |
| SSO Required | × | |
| SSO KEY | DN | |
| Authentication details maintain External Password Required External User Login Required | Authentication Type | |
| | | |
| at each of them. Conversely, s access to multiple software s | in once and gains access to all systems without being prompte Single sign-off is the property whereby a single action of signing systems. This screen provides an option for External Authenticat I, keep the all options unchecked and Click on Next. | out terminates |
| at each of them. Conversely, access to multiple software s Authentication is not required | Single sign-off is the property whereby a single action of signing systems. This screen provides an option for External Authentical | out terminates ion. If External |
| at each of them. Conversely, 5 access to multiple software s Authentication is not required MSAD/LDAP User Login Requi | Single sign-off is the property whereby a single action of signing systems. This screen provides an option for External Authenticat , keep the all options unchecked and Click on Next. Ired: User can login with MSAD/LDAP user ID as well as FCUBS u The user can login with MSAD/LDAP server password only. The | out terminates ion. If External iser ID |
| at each of them. Conversely, s access to multiple software s Authentication is not required MSAD/LDAP User Login Requi External Password Required: either the MSAD/LDAP user ID | Single sign-off is the property whereby a single action of signing systems. This screen provides an option for External Authenticat , keep the all options unchecked and Click on Next. Ired: User can login with MSAD/LDAP user ID as well as FCUBS u The user can login with MSAD/LDAP server password only. The | out terminates ion. If External iser ID |
| at each of them. Conversely, a access to multiple software s Authentication is not required MSAD/LDAP User Login Requi External Password Required: either the MSAD/LDAP user ID | Single sign-off is the property whereby a single action of signing systems.This screen provides an option for External Authenticat I, keep the all options unchecked and Click on Next. ired: User can login with MSAD/LDAP user ID as well as FCUBS u The user can login with MSAD/LDAP server password only. The I or FCUBS user ID. | out terminates ion. If External iser ID |
| at each of them. Conversely, s access to multiple software s Authentication is not required MSAD/LDAP User Login Requi External Password Required: either the MSAD/LDAP user ID | Single sign-off is the property whereby a single action of signing systems.This screen provides an option for External Authenticat I, keep the all options unchecked and Click on Next. ired: User can login with MSAD/LDAP user ID as well as FCUBS u The user can login with MSAD/LDAP server password only. The I or FCUBS user ID. | out terminates ion. If External iser ID |
| at each of them. Conversely, s access to multiple software s Authentication is not required MSAD/LDAP User Login Requi External Password Required: either the MSAD/LDAP user ID | Single sign-off is the property whereby a single action of signing systems.This screen provides an option for External Authenticat I, keep the all options unchecked and Click on Next. ired: User can login with MSAD/LDAP user ID as well as FCUBS u The user can login with MSAD/LDAP server password only. The I or FCUBS user ID. | out terminates ion. If External iser ID |

4. On the **Property File Creation** screen, specify the field details.

| 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. |



| 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. |
| | Note: |
| | 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. |
| | |
| 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 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) |
| | By default, 'MSAD' is selected; however, you can change it. |

| Oracle FLEXCUBE Universal Installer | |
|--|-----------|
| Oracle Banking Installer | INSTALLER |
| Property File Creation | |
| Current screen provides an option for Enabling Single Sign on | |
| SSO Required | |
| SSO KEY DN | |
| Authentication details maintained external to FLEXCUBE External Password Required Authentication Type 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 Bac | < Next |

5. Click Next. The Property File Creation screen displays.

| Oracle Banking Installer | INSTALLER |
|---|-----------|
| Property File Creation | |
| Current screen provides an option for Enabling Single Sign on | |
| SSO Required | |
| SSO KEY DN | |
| Authentication details maintained external to FLEXCUBE External Password Required Authentication Type External User Login Required LDAP | |
| With this property a user logs in once and gains access to all systems without being prompted to log in aga at each of them. Conversely, Single sign-off is the property whereby a single action of signing out terminate access to multiple software systems. This screen provides an option for External Authentication. If External | s 📃 |
| 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. | = |

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

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

| Oracle Banking Installer | | | | |
|--------------------------|----------------------------|------------------------|----------|--|
| Property File Creation | | | | |
| LDAP | Server Details for Gateway | | | |
| No. | Name | Value | | |
| 1 | LDAP SERVER URL | LDAP://10.10.10.10:111 | <u>^</u> | |
| 2 | LDAP SSL ENABLED | | | |
| 3 | SECURITY AUTHENTICATIO | Simple | = | |
| 4 | DOMAIN NAME | I-FLEX.COM | | |
| 5 | LDAP SERVER TIMEOUT | 0 | - | |
| | | | | |
| | | | | |

7. Specify the LDAP server details.

For more information on fields, refer the table below:

| 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 | | | |
| Domain Name | Specify the domain name. | | |



| 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. |

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

| Oracle FLEXCUBE Universal Insta Oracle Banking II | | | | | |
|---|--|-----------|--|--|--|
| Property File Creation Current screen provides an option for modifying the Gateway Properties | | | | | |
| XSD Path | Kernel11.1/GW_WS/XSD/ | | | | |
| Logger File | /Kernel11.1/GW_WS/config/gw_ws_logger.properties | | | | |
| Debug Path | /Kernel11.1/GW_WS/log/ | | | | |
| Security Key for Encryption | oraclefinancialsolutions | | | | |
| SMS Pool Name | jdbc/fcjdevDSSMS | | | | |
| 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 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Exit Log | | Back Next | | | |

9. Specify the fields.

For more information on fields, refer the table below:

| Field | Description |
|----------|---|
| XSD Path | Specify the path to the XSD file. File name is not required. File separator must be ' <i>I</i> '. There must be a ' <i>I</i> ' 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/ |



| Field | Description | |
|--|--|--|
| 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 ' <i>I</i> ' 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/ | |
| 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. Note: 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. | | |

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



| Solution of the second | | | |
|---|-------------------------------------|------------------------------|-----------|
| Oracle Banking Insta | ller | | |
| Property File Creation | | | |
| Specify the EJB Application Name | | | |
| EJB Application Name | GWEJB | | |
| 1 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Plaase remember the E-IP Applicati | on name , the same name has to be u | and while deploying the E IB | |
| Please remember the EJB Application | n name , ine same name nas lo be u | sed while deploying the EJB. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Exit Log | | _ | Back Next |
| | | | |

11. Specify the field details.

For more information on fields, refer the table below:

Table 1-6 Property File Creation

EJB Application Name Specify the name of the EJB application deployed.E.g.: GWEJB.

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



| Orac | cle FLEXCUBE Universal Inst | taller | | | |
|------|--|------------------------------------|---|--|--|
| 0 | racle Banking I | nstaller | | | |
| Gat | Sateway Property File Creation | | | | |
| Cur | 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 | | - | | |
| | | | | | |
| | | | | | |

13. Specify the filed details:

For more information on fields, refer the table below:

| 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.GWEJBRemo te. in 'GW_WS_Prop.properties' file</ejb_application_name> | |
| | Example: | |
| | <u>Weblogic/Websphere :</u> 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. | |
| EJB Look Up | Specify the EJB look up type from the drop down-list. The options are LOCAL/REMOTE | |



| Field | Description | |
|------------------|---|--|
| 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 & GWWS) 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.

| 💰 Oracle FLEXCUBE Universal Installer |
|--|
| Oracle Banking Installer |
| Property Installation Current screen Displays the status of the object loaded. |
| 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwProps: process()>XSD_PATH =/Kern(2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller. In invoke : After process deleting the Class 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwMDBProps: load()>Gateway MDB 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.installer.frame: return with Order : com.ofss.installer.gate 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.installer.frame: return with Order : com.ofss.installer.gate 2017-11-16T11:09:33,168 DEBUG [AWT-EventQueue-0] com.ofss.installer.frame: return with Order : com.ofss.installer.gate 2017-11-16T11:09:33,184 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwMDBProps: load()>Gateway MDB 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubsInstaller. In SetShowPanel: Obj already exist for Cla 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubsInstaller. In SetShowPanel: Obj already exist for Cla 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubsInstaller. In invoke : Obj already exist for ClassNam 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwMDBProps: process of current screet 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwMDBProps: process ()>Gateway MDB 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.gateway.GwMDBProps: process ()>Gateway MDB 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.installer. In invoke : After process deleting the Class 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.installer. Screen Name for load of Next screen : pro 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.foubsInstaller.Screen Name for load of Next screen : pro 2017-11-16T11:10:33,489 DEBUG [AWT-EventQueue-0] com.ofss.installer.I |
| Property File Logger File Save Please continue to go to other Gateway application Type Continue> |
| Exit Log Back Next |

The property file will be created in a temporary folder.

- 14. Click 'Property File' to view the created property file.
- 15. Click 'Save' to the save the created property file in desire location.
- 16. Click 'Continue' to continue the installation process with gateway application type.
- 17. Click 'Next' to navigate to the installer home screen.

The property file will be created in the specified folder.

 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

For Gateway WS EAR Building refer 'OBTF_EAR_Building document'

1.2.5 REST Services Application

Follow the steps given below:

1. Select 'Rest Services' as the application type as shown in the below Screen.

| Soracle FLEXCUBE Universal Installer | |
|---|-----------|
| Oracle Banking Installer | |
| Gateway Property File Creation | |
| Choose the Gateway Application Type | |
| Gateway EJB | |
| ⊖ Gateway MDB | |
| ○ Gateway HTTP Servlet | |
| Gateway Webservices | |
| REST Services (Applicable to UBS 14.1 and above versions) | |
| Exit Log | Back Next |

 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" button.



| Source FLEXCUBE Universal Insta | ller 12.5.0.0.0 | | |
|---------------------------------|-----------------|----------|---------------|
| Oracle Banking In | staller | | |
| SMS Schema Details | | | |
| Name | Value | | |
| Username | installer | ^ | |
| Password | ••••• | | |
| Service Name | testdb | | |
| IP Address | 10.10.10 | | |
| Port | 1521 | | |
| TNS Connect Descriptor | testdb | Те | st Connection |
| | | | |
| Exit Log | | | Back |

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

| Gracle FLEXCUBE Universal Installer | | |
|--|---|------|
| Oracle Banking 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/fcjdevDSSMS | |
| MSG IN log Required | No | |
| MSG OUT log Required | No | |
| Exit Log | Back | Next |

In above page, Enter the below REST EJB details. For more information on fields, refer the table below:

| 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/fcjdevDSSMS | |
| 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.

| Gracle FLEXCUBE Universal In | staller 12.5.0.0.0 | | | | |
|--------------------------------|--------------------|----------------------------|------------------------|--------------------|-------------|
| Oracle Banking | Installer | | | | |
| RESTServices Properties | | | | | |
| Current screen provides an | option for modify | ing the REST Services Prop | perties | | |
| REST Services Logger File | | /Kernel11.1/RESTService | es/config/gw_rest_logg | er.properties | |
| REST Services Debug Path | | /Kernel11.1/RESTService | es/log/ | | |
| REST Services Security Key for | or Encryption | oraclefinancialsolutions | | | |
| REST Services Msg Schema | Pool Name | jdbc/fcjdevDSSMS | | | |
| Authentication Scheme | | FLEXCUBE | | | • |
| REST Client ID | | oracle | | | |
| REST Client Secret | | CustomerServer | | | |
| Access Token URL | | http://10.184.132.161:14 | 100/ms_oauth/oauth2/e | ndpoints/oauthsei | vice/tokens |
| | | | | | |
| REST EJB Details | | | | | |
| CTX Factory | weblogic.jndi.W | LInitialContextFactory | Provider URL | t3://localhost:703 | 30 |
| Security Principal | weblogic | | Security Credentials | ••••• | |
| JNDI Name | GWRestEJB#co | om.ofss.fcc.gw.rest.GWRes | tRemote | | |
| | | | | 10 | |
| | | | | | |
| Exit Log |) | | | Back | Next |

For more information on fields, refer the table below:

| 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/fcjdevDSSMS | |
| 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. | |
| JNDI Name | JNDI Name will be defaulted based on application server selected. | |

Click on Next button.

| Gracle FLEXCUBE Universal Installer | | |
|--|--|---|
| Oracle Banking Installer | | |
| Property Installation Current screen Displays the status of the object loaded. | | |
| 2017-11-16T11:09:33,168 DEBUG [AWT-EventQuet 2017-11-16T11:09:33,168 DEBUG [AWT-EventQuet 2017-11-16T11:09:33,168 DEBUG [AWT-EventQuet 2017-11-16T11:09:33,168 DEBUG [AWT-EventQuet 2017-11-16T11:09:33,168 DEBUG [AWT-EventQuet 2017-11-16T11:09:33,188 DEBUG [AWT-EventQuet 2017-11-16T11:10:33,189 DEBUG [AWT-EventQuet 2017-11-16T11:10:33,489 DEBUG [AWT-EventQuet 2017-11-16T11:10:33,505 DEBUG [AWT-EventQuet | ue-0] com.ofss.installer.FcubsInstaller. In invo ue-0] com.ofss.installer.FcubsInstaller. Scree ue-0] com.ofss.installer.InstallerFrame: class ue-0] com.ofss.installer.InstallerFrame: return ue-0] com.ofss.installer.fcubs.gateway.GwMD ue-0] com.ofss.installer.FcubsInstaller. In Set ue-0] com.ofss.installer.FcubsInstaller. NextB ue-0] com.ofss.installer.FcubsInstaller. In invo ue-0] com.ofss.installer.FcubsInstaller. Scree ue-0] com.ofss.installer.FcubsInstaller.Scree | oke : After process deleting the Class en Name for load of Next screen : Gw sRetrive Comes with : com.ofss.insta n with Order : com.ofss.installer.gate DBProps: load()>Gateway MDB ShowPanel: Obj already exist for Cla ButtonActionPerformed>Next action en Name for process of current scree oke : Obj already exist for ClassNam DBProps: process()>Gateway MDB oke : After process deleting the Class en Name for load of Next screen : pro sRetrive Comes with : com.ofss.insta |
| • | | |
| Property File Logger File | Please continue to go to other Gateway a | application Type Continue> |
| Exit | | Back Next |
| | | |

- 5. Click 'Property File' to view the created property file.
- 6. Click 'Save' to the save the created property file in desire 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 'OBTF_EAR_Building document'.



Glossary



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