

# Oracle® Database

## GATEWAY Property File Creation



Release 14.7.5.0.0  
G24968-01  
September 2024

ORACLE®

Oracle Database GATEWAY Property File Creation, Release 14.7.5.0.0

G24968-01

Copyright © 2007, 2025, Oracle and/or its affiliates.

Primary Authors: (primary author), (primary author)

Contributing Authors: (contributing author), (contributing author)

Contributors: (contributor), (contributor)

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

## 1 Preface

---

1.1	Purpose	1-1
1.2	Audience	1-1
1.3	Documentation Accessibility	1-1
1.4	Conventions	1-1
1.5	Critical Patches	1-2
1.6	Diversity and Inclusion	1-2
1.7	Basic Actions	1-2
1.8	Prerequisite	1-3
1.9	Screenshot Disclaimer	1-3

## 2 Create Property File for Gateway Applications

---

2.1	Introduction	2-1
2.2	Create Property Files	2-1
2.2.1	Gateway EJB Application	2-6
2.2.2	Gateway MDB Application	2-14
2.2.3	Gateway HTTP Servlet Application	2-24
2.2.4	Gateway Webservices Application	2-29
2.2.5	REST Services Application	2-39

# 1

## Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Conventions](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Basic Actions](#)
- [Prerequisite](#)
- [Screenshot Disclaimer](#)

### 1.1 Purpose

This guide is designed to help the user to quickly get acquainted with the Customer Standard Instructions maintenance process.

### 1.2 Audience

This guide is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

### 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <https://www.oracle.com/corporate/accessibility/>.

#### Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

### 1.4 Conventions

The following text conventions are used in this document:

**Table 1-1 Conventions**

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.

Table 1-1 (Cont.) Conventions

Convention	Meaning
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## 1.5 Critical Patches

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

## 1.6 Diversity and Inclusion

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

## 1.7 Basic Actions

Table 1-2 Basic Actions

Action	Description
<b>Approve</b>	Used to approve the initiated report. This button is displayed, once the user click <b>Authorize</b> .
<b>Audit</b>	Used to view the maker details, checker details, and report status.
<b>Authorize</b>	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
<b>Close</b>	Used to close a record. This action is available only when a record is created.
<b>Confirm</b>	Used to confirm the performed action.
<b>Cancel</b>	Used to cancel the performed action.
<b>Compare</b>	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click <b>Authorize</b> .
<b>Collapse All</b>	Used to hide the details in the sections. This button is displayed, once the user click <b>Compare</b> .
<b>Expand All</b>	Used to expand and view all the details in the sections. This button is displayed, once the user click <b>Compare</b> .

Table 1-2 (Cont.) Basic Actions

Action	Description
<b>New</b>	Used to add a new record. When the user click <b>New</b> , the system displays a new record enabling to specify the required data.
<b>OK</b>	Used to confirm the details in the screen.
<b>Save</b>	Used to save the details entered or selected in the screen.
<b>View</b>	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click <b>Authorize</b> .
<b>View Difference only</b>	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click <b>Compare</b> .
<b>Unlock</b>	Used to update the details of an existing record. System displays an existing record in editable mode.

## 1.8 Prerequisite

Specify the **User ID** and **Password**, and login to **Home** screen.

## 1.9 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.

# 2

## Create Property File for Gateway Applications

- [Introduction](#)  
This document 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.
- [Create Property Files](#)  
This topic explains systematic instructions to create the property file for the Gateway application.

### 2.1 Introduction

This document 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.

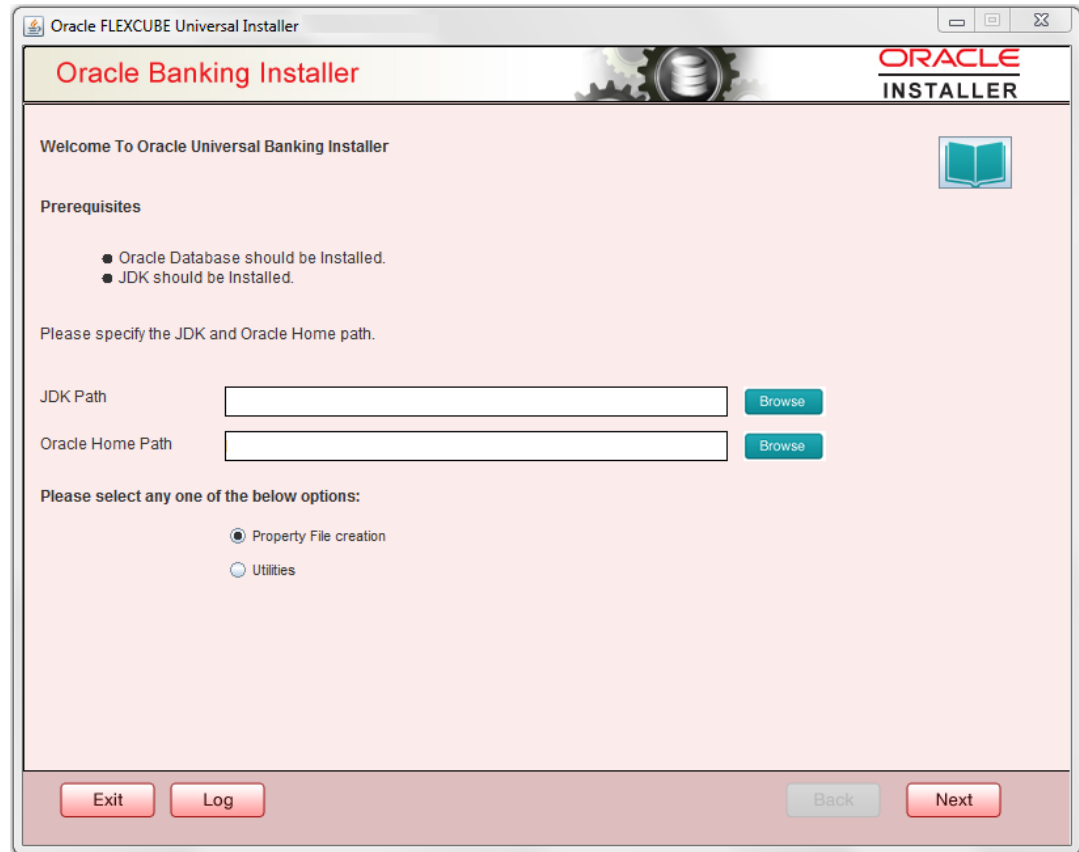
### 2.2 Create Property Files

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

1. Start Oracle FLEXCUBE Universal Banking Solutions Installer by clicking the **FCUBSInstaller.bat** from `INSTALLER\SOFT\GUI`.

The **Welcome To Oracle FLEXCUBE Universal Banking Installer** screen displays.

**Figure 2-1 Welcome To Oracle FLEXCUBE Universal Banking Installer**



2. On the **Welcome To Oracle FLEXCUBE 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 2-2 Select One of the Components**

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

**Oracle Banking Installer** ORACLE 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 FLEXCUBE Universal Banking for JAPAN

☐ Oracle Banking Trade Finance

Select Plugins to be Installed

Host Address   ☐ Origination ☐ Scheduler

☐ Reports   ☐ SIANET Adapter

☐ DMS   ☐ Insulation ☐ External Adapter required

4. Select the **Gateway** component, and click **Next**.

The **Environment Details** screen displays.

**Figure 2-3 Environment Details**

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

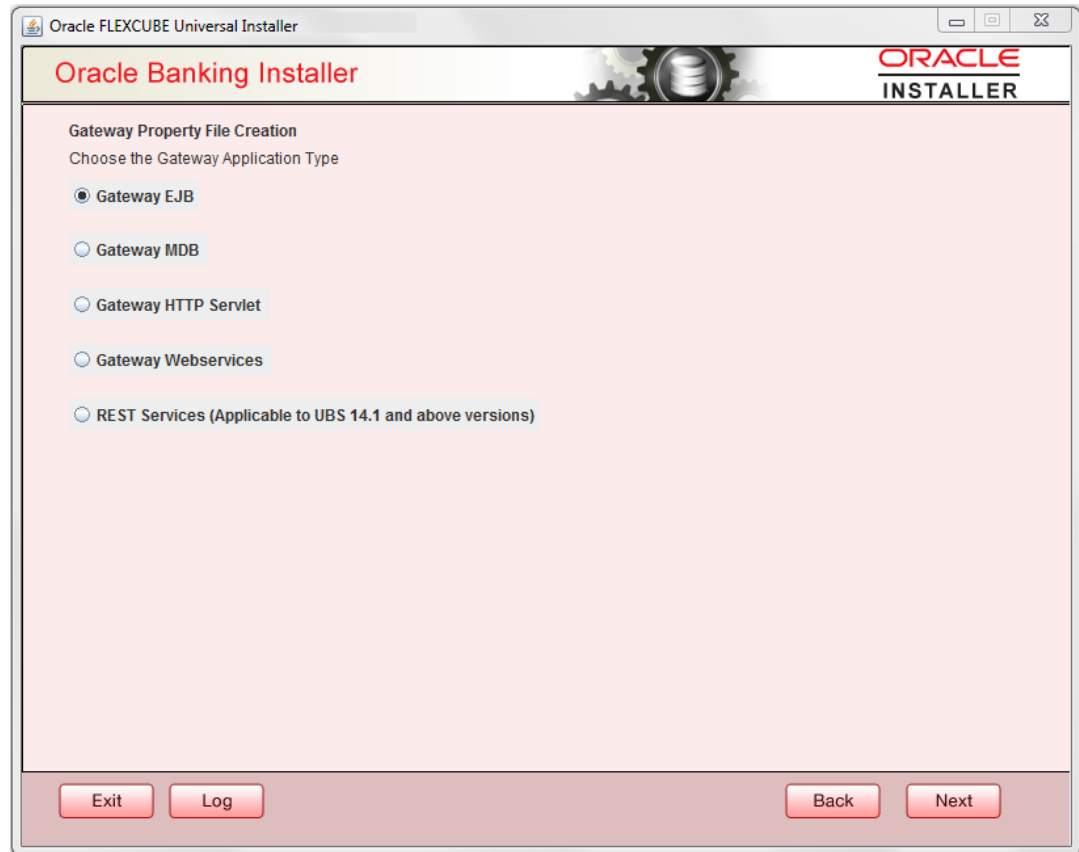
Ear Destination Path

Cookie-Name (JSESSION\_ID)

5. Specify the **EAR Name**, **Application Server Path**, **Source Path**, and **EAR destination path**, and then click **Next**.

The **Gateway Property File Creation** screen displays.

**Figure 2-4 Gateway Property File Creation**



To create a property file through **Gateway EJB**, **Gateway MDB**, **Gateway HTTP Servlet**, **Gateway Webservices**, and **REST Services (Applicable to UBS 14.1 and above versions)**, refer to the following topics:

- a. [#unique\\_24](#)
  - b. [#unique\\_25](#)
  - c. [#unique\\_26](#)
  - d. [#unique\\_27](#)
  - e. [#unique\\_28](#)
- [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](#)  
This topic explains systematic instructions to create a property file through the Gateway HTTP Servlet application type.
  - [Gateway Webservices Application](#)  
This topic explains systematic instructions to create a property file through the Gateway Webservices application type.

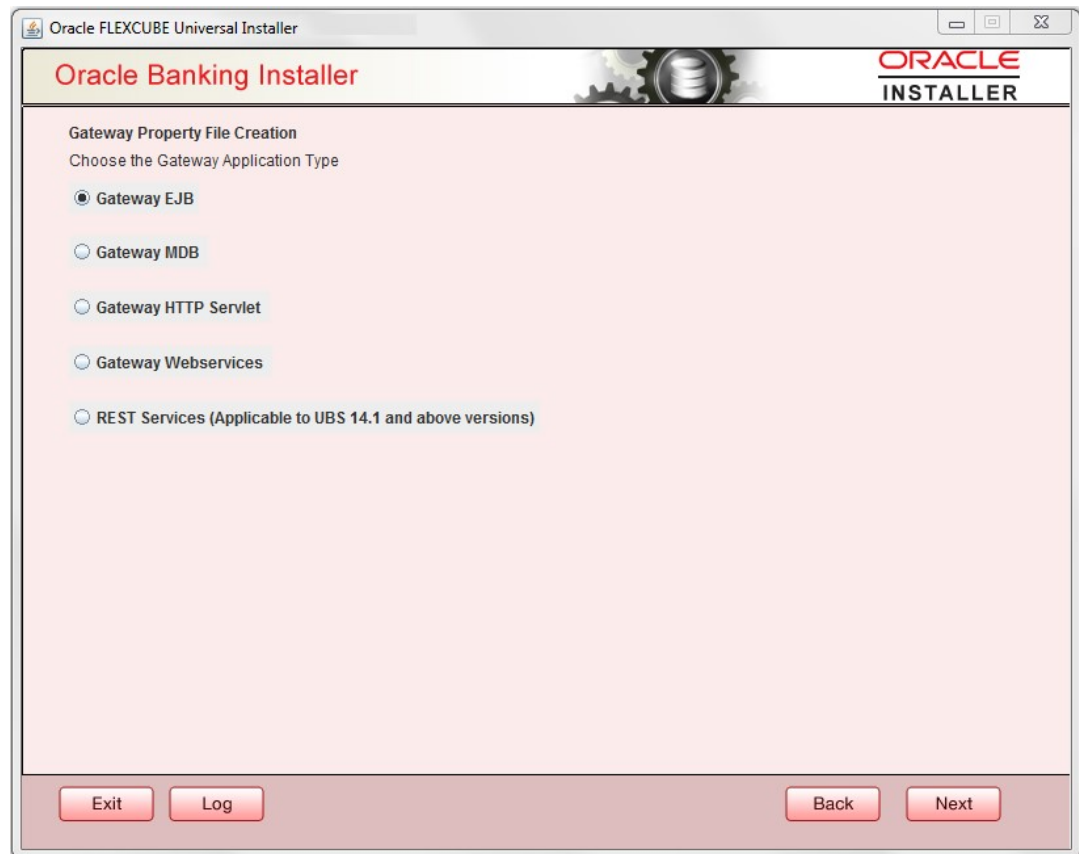
- [REST Services Application](#)  
This topic explains systematic instructions to create a property file through the REST Services application type.

## 2.2.1 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** application type, and click **Next**.

**Figure 2-5 Gateway Property File Creation**



The **Multi Entity Names** screen displays.

**Figure 2-6 Multi Entity Names**

2. On the **Multi Entity Names** screen, specify the fields.

**Table 2-1 Multi Entity Names - Field Description**

Field	Description
<b>MultiEntity Required</b>	Check the <b>MultiEntity Required</b> box to enable the multi-entity deployment. This will enable + and - for capturing the <b>Entity Name</b> .
<b>+</b>	Click <b>+</b> to add a new row for capturing the new entity name.
<b>-</b>	Select the entity name and click <b>-</b> for deletion of the existing entity name.
<b>Entity Name</b>	Enter the entity name as a single word. For example, ENTITY1

3. On the **Multi Entity Names** screen, click **Next**.  
The **Property File Creation** screen displays.

**Figure 2-7 Property File Creation**

**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 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

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

**Table 2-2 Property File Creation - Field Description**

Field	Description
<b>SSO Required</b>	Check this box to enable single sign-on (SSO). If you check this box, specify the <b>SSO Key</b> .
<b>SSO Key</b>	Specify the <b>SSO Key</b> . If you have checked the box <b>SSO Required</b> , it is mandatory to specify the SSO key. If you have checked the box <b>SSO Required</b> , 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 <b>SSO Required</b> , then click <b>Next</b> .

Table 2-2 (Cont.) Property File Creation - Field Description

Field	Description
<b>External User Login Required</b>	<p>Check this box to enable user login using MSAD (Microsoft Active Directory)/LDAP (Lightweight Directory Access Protocol) user ID.</p> <div> <b>Note:</b> If you check this box, the user can log in with MSAD/LDAP server user ID as well as FCUBS user ID. If you do not check this box, the user can log in using Oracle FLEXCUBE Universal Banking User ID only.</div>
<b>External Password Required</b>	<p>Check this box to allow user login using MSAD/LDAP password irrespective of the user ID. If you check this box, the user can log in using MSAD/LDAP server password only. The user ID can be one of the following:</p> <ul style="list-style-type: none"><li>• MSAD/LDAP user ID</li><li>• FCUBS user ID</li></ul> <p>If you do not check this box, then the installer skips the following screen and directly navigates to the Modifying Gateway Properties screen.</p>
<b>Authentication Type</b>	<p>Select the authentication type. This is the type of external server that is used. Select one of the following options:</p> <ul style="list-style-type: none"><li>• <b>MSAD (Microsoft Active Directory)</b></li><li>• <b>LDAP (Lightweight Directory Access Protocol)</b></li></ul> <p>The default option is <b>MSAD</b>, and this can be modified.</p>

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

5. Click **Next**.

The **Property File Creation** screen displays.

**Figure 2-8 Property File Creation**

Oracle FLEXCUBE Universal Installer

**Oracle Banking Installer** ORACLE INSTALLER

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	<input type="checkbox"/>
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

Exit Log Back Next


- Specify the following LDAP server details.

**Table 2-3 LDAP Server Details**

Field	Description
<b>LDAP Server URL</b>	Specify the URL to access the LDAP server where the external user ID and password are maintained.
<b>LDAP SSL Enabled</b>	Check this box if the LDAP server is SSL enabled. If you check this box, then specify the SSL port also in the field LDAP SERVER URL. By default, this check box is unchecked. However, you can change this.



Table 2-3 (Cont.) LDAP Server Details

Field	Description
Security Authentication Type	<p>Depending on the authentication mechanism supported by the LDAP server, select one of the following:</p> <ul style="list-style-type: none"><li>• <b>Simple</b></li><li>• <b>Strong</b></li></ul> <div> <b>Note:</b><ul style="list-style-type: none"><li>• Different servers support different authentication mechanisms.</li><li>• By default, the security authentication type is <b>Simple</b>. However, the user can change this.</li></ul></div>
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 is infinite until it is received. By default, the LDAP server timeout is zero. However, you can change this.

7. Click **Next**.

The **Property File Creation** screen displays.


**Figure 2-9 Property File Creation**

8. On the **Property File Creation** screen, specify the details.

**Table 2-4 Property File Creation - Field Description**

Field	Description
<b>XSD Path</b>	Specify the path to the XSD file. The 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. For example, <ul style="list-style-type: none"> <li>For Windows - <code>D:\Kernel11.1\GW_EJB\XSD\</code></li> <li>For Linux - <code>/Kernel11.1/GW_EJB/XSD/</code></li> </ul>
<b>Logger File</b>	Specify the path to the <b>gw_ejb_logger.properties</b> file with the file name. The file must be manually copied to the specified location. For example, <ul style="list-style-type: none"> <li>For Windows - <code>D:\Kernel11.1\GW_EJB\config\gw_ejb_logger.properties</code></li> <li>For Linux - <code>/Kernel11.1/GW_EJB/config/gw_ejb_logger.properties</code></li> </ul>

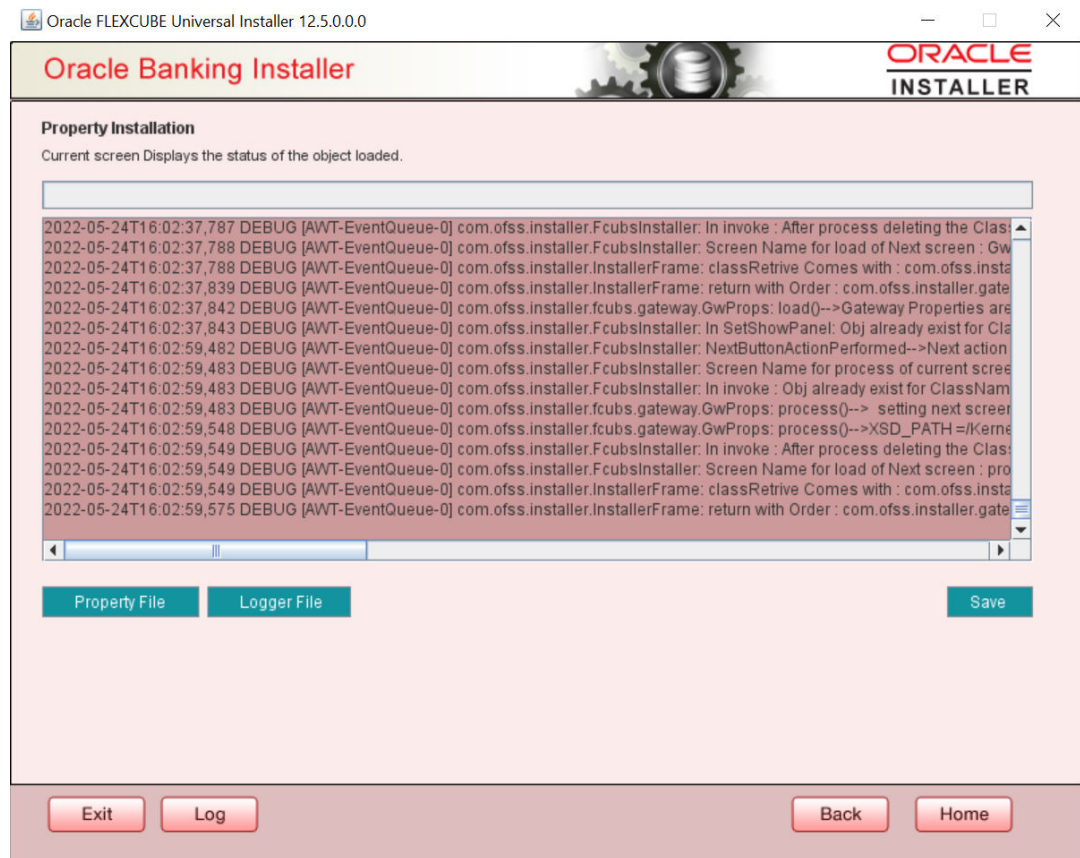
Table 2-4 (Cont.) Property File Creation - Field Description

Field	Description
<b>Debug Path</b>	Specify the path to the folder where the application creates the logs. There must be a / at the end. You need to manually create the folder structure. For example, <ul style="list-style-type: none"> <li>For Windows - <i>D:\Kernel11.1\GW_EJB\log\</i></li> <li>For Linux - <i>/Kernel11.1/GW_EJB/log/</i></li> </ul>
<b>Security Key for Encryption</b>	Specify the security key for the encryption. Here, in this case, it is <b>oraclefinancials</b> .
<b>SMS Pool Name</b>	Specify SMS Pool name. Here, in this case, it is <b>jdbc/fcdevDSSMS</b> .
<b>DataSource</b>	The JDBC data source is an object bound to the JNDI tree and provides database connectivity through a pool of JDBC connections.
<b>POSS Datasource</b>	Check this box if POSS is required. If you check this box, specify the POSS datasource name in the field below this.
<b>OPSS CSF Available</b>	Indicates whether OPSS-CSF is installed or not. <div>  <b>Note:</b>  Select 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. </div>
<b>Distributed Schema</b>	If the schema is distributed, select <b>Yes</b> . If the schema is not distributed, select <b>No</b> .
<b>MSG IN LOG Required</b>	Select <b>Yes/No</b> from the drop-down box.
<b>MSG OUT LOG Required</b>	Select <b>Yes/No</b> from the drop-down box.

- Click **Next**.

The **Property Installation** screen displays.

Figure 2-10 Property Installation



The property file will be created in a temporary folder.

10. Click **Property File** to view the created property file.
11. Click **Save** to save the created property file in the desired location.

## 2.2.2 Gateway MDB Application

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

1. On the **Gateway Property File Creation** screen, select **Gateway MDB** application type, and click **Next**.

**Figure 2-11 Gateway MDB**



The **Multi Entity Names** screen displays.

**Figure 2-12 Multi Entity**

2. On the **Multi Entity Names** screen, specify the fields.

**Table 2-5 Multi Entity Names - Field Description**

Field	Description
<b>MultiEntity Required</b>	Select the <b>MultiEntity Required</b> check box for enabling the multi-entity deployment. This will enable + and - for capturing the entity name.
<b>+</b>	Click + to add a new row for capturing the new entity name.
<b>-</b>	Select the entity name and click -, the deletion of the existing entity name will be done.
<b>Entity Name</b>	Enter the entity name as a single word. For example, ENTITY1

3. On the **Multi Entity Names** screen, click **Next**.  
The **Property File Creation** screen displays.

**Figure 2-13 Property File Creation**

**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 **MSAD**

External User Login Required ☐

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

**Table 2-6 Property File Creation - Field Description**

Field	Description
<b>SSO Required</b>	Check this box to enable single sign-on (SSO). If you check this box, specify the SSO Key.
<b>SSO Key</b>	Specify the SSO key. If you have checked the box <b>SSO Required</b> , it is mandatory to specify the SSO key. If you have checked the box <b>SSO Required</b> , then the Installer will skip the following two screens and will directly navigate to the Modifying the Gateway properties screen.

Table 2-6 (Cont.) Property File Creation - Field Description

Field	Description
<b>External User Login Required</b>	<p>Check this box to enable user login using MSAD/LDAP user ID.</p> <div>  <b>Note:</b> <p>If you check this box, the user can log in with MSAD/LDAP server user ID as well as using FCUBS user ID. If you do not check this box, the user can login using FCUBS user ID only.</p> </div> <p>By default, this check box is unchecked. However, you can change this.</p>
<b>External Password Required</b>	<p>Check this box to allow user login using MSAD/LDAP password irrespective of the user ID. By default, this check box is unchecked. However, you can change this.</p> <div>  <b>Note:</b> <p>If you check this box, the user ID can be either MSAD/LDAP user ID or the FCUBS user ID, and the password can be MSAD/LDAP server password only.</p> </div> <p>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 <b>Authentication Type</b> is enabled if one of the check boxes (<b>External Password Required</b> or <b>External User Login Required</b>) is checked.</p>
<b>Authentication Type</b>	<p>Select the authentication type from the drop-down list. This is the type of external server that is used. Select one of the following options -</p> <ul style="list-style-type: none"> <li>• MSAD (Microsoft Active Directory)</li> <li>• LDAP (Lightweight Directory Access Protocol)</li> </ul> <p>The default option is MSAD. However, it can be changed.</p>

5. On the **Property File Creation** screen, click **Next**.  
The **Property File Creation** screen displays.



**Figure 2-14 Property File Creation**

Oracle FLEXCUBE Universal Installer

**Oracle Banking Installer** ORACLE INSTALLER

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	<input type="checkbox"/>
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0


Exit Log Back Next

- Specify the following LDAP server details.

**Table 2-7 LDAP server details.**

Field	Description
<b>LDAP Server URL</b>	Specify the URL to access the LDAP server where the external user ID and password are maintained.
<b>LDAP SSL Enabled</b>	Check this box if the LDAP server is SSL enabled. If you check this box, then specify the SSL port also in the field <b>LDAP SERVER URL</b> . By default, this check box is unchecked. However, you can change this.

Table 2-7 (Cont.) LDAP server details.

Field	Description
<b>Security Authentication Type</b>	<p>Depending on the authentication mechanism supported by the LDAP server, select one of the following -</p> <ul style="list-style-type: none"><li>• <b>Simple</b></li><li>• <b>Strong</b></li></ul> <div> <b>Note:</b><ul style="list-style-type: none"><li>• Different servers support different authentication mechanisms.</li><li>• By default, the security authentication type is <b>Simple</b>, however, you can change this.</li></ul></div>
<b>Domain Name</b>	Specify the domain name.
<b>LDAP Server Timeout</b>	Specify the LDAP server timeout in milliseconds. This must be a positive integer value. For example, 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 **Property File Creation** screen displays.


**Figure 2-15 Property File Creation**

8. On the **Property File Creation** screen, specify the details.

**Table 2-8 Property File Creation - Field Description**

Field	Description
<b>XSD Path</b>	Specify the path to the XSD file. The 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. For example, <ul style="list-style-type: none"> <li>For Windows - <i>D:\Kernel11.1\GW_MDB\XSD\</i></li> <li>For Linux - <i>/Kernel11.1/GW_MDB/XSD/</i></li> </ul>
<b>Logger File</b>	Specify the path to the <b>gw_mdb_logger.properties</b> file with the file name. The file must be manually copied to the specified location. For example, <ul style="list-style-type: none"> <li>For Windows - <i>D:\Kernel11.1\GW_MDB\config\gw_mdb_logger.properties</i></li> <li>For Linux - <i>/Kernel11.1/GW_MDB/config/gw_mdb_logger.properties</i></li> </ul>

Table 2-8 (Cont.) Property File Creation - Field Description

Field	Description
<b>Debug Path</b>	Specify the path to the folder where the application creates the logs. There must be a / at the end. You need to manually create the folder structure. For example, <ul style="list-style-type: none"> <li>For Windows - <code>D:\Kernel11.1\GW_MDB\log\</code></li> <li>For Linux - <code>/Kernel11.1/GW_MDB/log/</code></li> </ul>
<b>Security Key for Encryption</b>	Specify the security key for the encryption. Here, in this case, it is <b>oraclefinancials</b> .
<b>SMS Pool Name</b>	Specify SMS pool name. Here, in this case, it is <b>jdbc/fcdevDSSMS</b> .
<b>DataSource</b>	The JDBC data source is an object bound to the JNDI tree and provides database connectivity through a pool of JDBC connections.
<b>POSS Datasource</b>	Check this box if POSS is required. If you check this box, specify the POSS Datasource name in the field below this.
<b>OPSS CSF Available</b>	Indicates whether OPSS-CSF is installed or not. <div>  <b>Note:</b> Select 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. </div>
<b>Distributed Schema</b>	If the schema is distributed, select <b>Yes</b> . If the schema is not distributed, select <b>No</b> .

- Click **Next**.

The **Gateway Property File Creation** screen displays.

**Figure 2-16 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	<input type="checkbox"/>
6	Caller ID	
7	Caller Password	

10. On the **Gateway Property File Creation** screen, specify the details.

**Table 2-9 Gateway Property File Creation - Field Description**

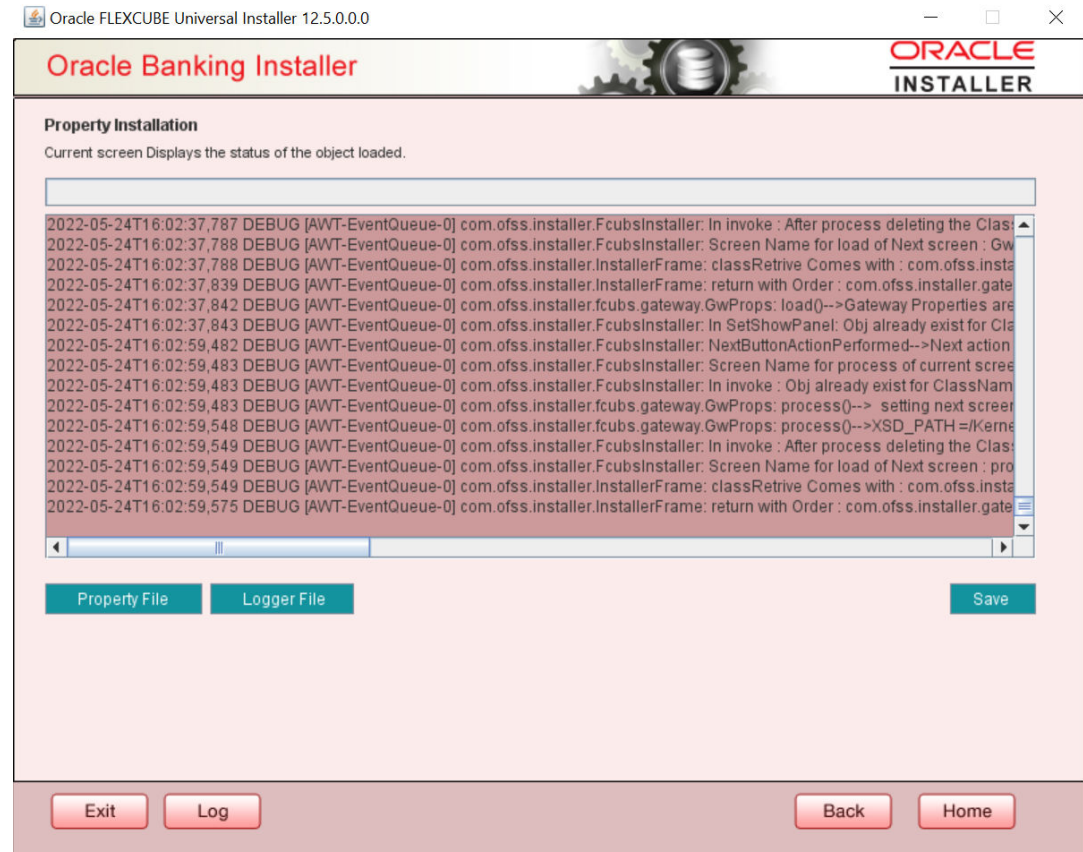
Field	Description
<b>Request Queue</b>	Specify the request queue. This is the point-to-point destination type used for asynchronous peer communication. For example, MDB_QUEUE
<b>Response Queue</b>	Specify the response queue name. For example, MDB_QUEUE_RESPONSE
<b>DL Queue</b>	Specify the dead letter queue name. For example, MDB_QUEUE_DLQ  <div> <b>Note:</b> Refer to the Resources To Be Created document for the creation of queues. </div>
<b>Connection Factory</b>	Specify the connection configuration parameters to create connections for JMS clients. For example, MDBQCF
<b>Secure Queue</b>	Check this box if the <b>Caller ID</b> and <b>Caller Password</b> 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.

11. On the **Gateway Property File Creation** screen, click **Next**.

The **Property Installation** screen displays.

**Figure 2-17 Property Installation**



12. Click **Property File** to view the created property file.
13. Click **Save** to save the created property file in the desired location.

## 2.2.3 Gateway HTTP Servlet Application

This topic explains systematic instructions to create a property file through the Gateway HTTP Servlet application type.

1. On the **Gateway Property File Creation** screen, select **Gateway HTTP Servlet** application type, and click **Next**.

**Figure 2-18 Gateway HTTP Servlet**



The **Multi Entity Names** screen displays.

**Figure 2-19 Multi Entity Names**

2. On the **Multi Entity Names** screen, specify the details.

**Table 2-10 Multi Entity Names - Field Description**

Field	Description
<b>MultiEntity Required</b>	Check the <b>MultiEntity Required</b> box for enabling the multi-entity deployment. After checking this box, +, - icons will be enabled for capturing the entity name.
+	Click + to add a new row for capturing the new entity name.
-	Select the entity name and click -, the deletion of the existing entity name will be done.
<b>Entity Name</b>	Enter the entity name as a single word. For example, ENTITY1

3. On the **Multi Entity Names** screen, click **Next**.

The **Property File Creation** screen displays.




**Figure 2-20 Property File Creation**

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

**Table 2-11 Property File Creation - Field Description**

Field	Description
<b>XSD Path</b>	Specify the path to the XSD file. The 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. For example, <ul style="list-style-type: none"> <li>For Windows - <i>D:\Kernel11.1\GW_HTTP\XSD\</i></li> <li>For Linux - <i>/Kernel11.1/GW_HTTP/XSD/</i></li> </ul>
<b>Logger File</b>	Specify the path to the <b>gw_http_logger.properties</b> file with the file name. The file must be manually copied to the specified location. For example, <ul style="list-style-type: none"> <li>For Windows - <i>D:\Kernel11.1\GW_HTTP\config\gw_http_logger.properties</i></li> <li>For Linux - <i>/Kernel11.1/GW_HTTP/config/gw_http_logger.properties</i></li> </ul>

Table 2-11 (Cont.) Property File Creation - Field Description

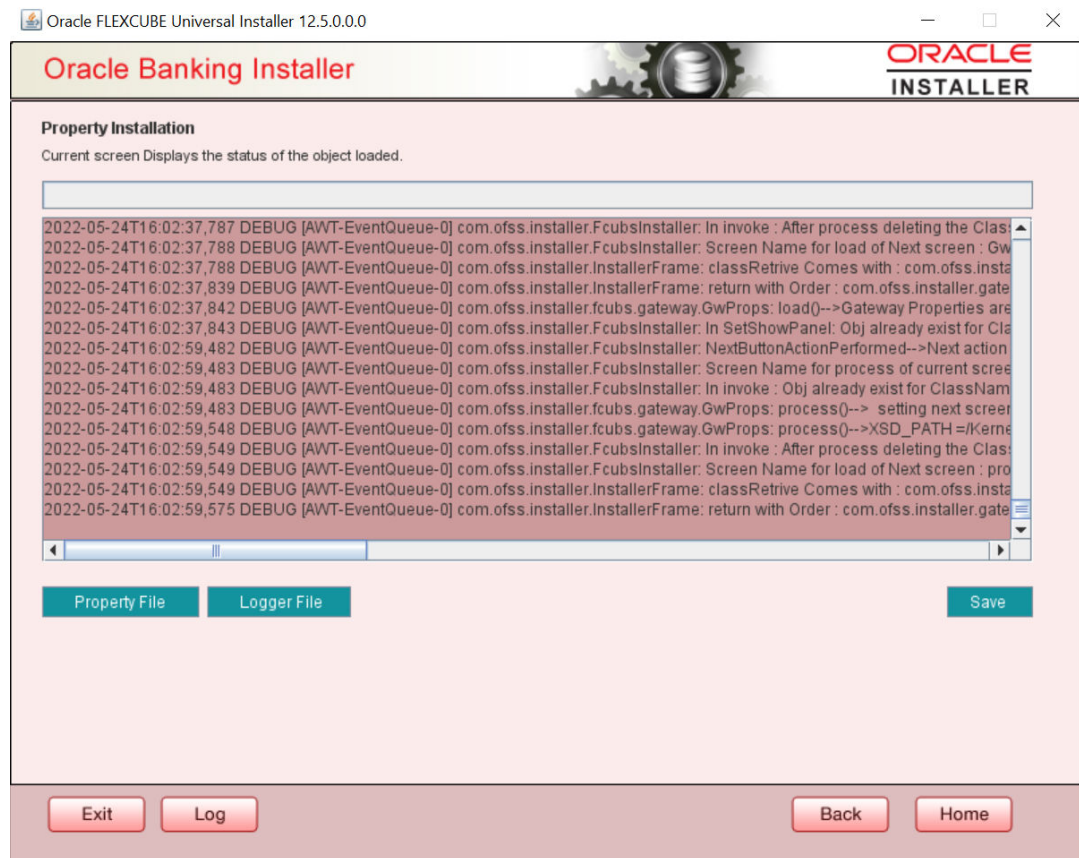
Field	Description
<b>Debug Path</b>	Specify the path to the folder where the application creates the logs. There must be a / at the end. You need to manually create the folder structure. For example, <ul style="list-style-type: none"> <li>For Windows - <code>D:\Kernel11.1\GW_HTTP\log\</code></li> <li>For Linux - <code>/Kernel11.1/GW_HTTP/log/</code></li> </ul>
<b>Security Key for Encryption</b>	Specify the security key for the encryption. Here, in this case, it is <b>oraclefinancials</b> .
<b>SMS Pool Name</b>	Specify SMS Pool Name. Here, in this case, it is <b>jdbc/fcdevDSSMS</b> .
<b>DataSource</b>	The JDBC data source is an object bound to the JNDI tree and provides database connectivity through a pool of JDBC connections.
<b>POSS Datasource</b>	Check this box if POSS is required. If you check this box, specify the POSS Datasource Name in the field below this.
<b>OPSS Available</b>	Indicates whether OPSS-CSF is installed or not. <div>  <b>Note:</b> Select 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. </div>
<b>Distributed Schema</b>	If the schema is distributed, select <b>Yes</b> . If the schema is not distributed, select <b>No</b> .

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 **Property Installation** screen displays.

Figure 2-21 Property Installation



The property file will be created in a temporary folder.

6. Click **Property File** to view the created property file.
7. Click **Save** to save the created property file in the desired location.

The property file will be created in a specified folder.

For Gateway EAR Building, refer to the *Installer EAR Building* document.

## 2.2.4 Gateway Webservices Application

This topic explains systematic instructions to create a property file through the Gateway Webservices application type.

1. On the **Gateway Property File Creation** screen, select **Gateway Webservices** application type, and click **Next**.

**Figure 2-22 Gateway Web Service**



The **Multi Entity Names** screen displays.

**Figure 2-23 Multi Entity Names**

2. On the **Multi Entity Names** screen, specify the details.

**Table 2-12 Multi Entity Names - Field Description**

Field	Description
<b>MultiEntity Required</b>	Check the <b>MultiEntity Required</b> box for enabling the multi-entity deployment. After checking this box, +, - icons will be enabled for capturing the entity name.
+	Click + to add a new row for capturing the new entity name.
-	Select the entity name and click -, the deletion of the existing entity name will be done.
<b>Entity Name</b>	Enter the entity name as a single word. For example, ENTITY1

3. On the **Multi Entity Names** screen, click **Next**.

The **Property File Creation** screen displays.

Figure 2-24 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

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

Table 2-13 Property File Creation - Field Description

Field	Description
<b>SSO Required</b>	Check this box to enable single sign-on (SSO). If you check this box, specify the SSO Key.
<b>SSO Key</b>	Specify the SSO key. If you have checked the box <b>SSO Required</b> , it is mandatory to specify the SSO key. If you have checked the box <b>SSO Required</b> , 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 <b>SSO Required</b> , then click <b>Next</b> . The following screen is displayed.

Table 2-13 (Cont.) Property File Creation - Field Description

Field	Description
External User Login Required	<p>Check this box to enable user login using MSAD/LDAP user ID.</p> <div> <b>Note:</b> If you check this box, the user can log in 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.</div>
External Password Required	<p>Check this box to allow user login using MSAD/LDAP password irrespective of the user ID.</p> <div> <b>Note:</b> If you check this box, the user can log in using MSAD/LDAP server password only. The user ID can be one of the following -<ul style="list-style-type: none"><li>• MSAD/LDAP user ID</li><li>• FCUBS user ID</li></ul></div> <p>If you do not check this box, then the installer skips the following screen and directly navigates to the Modifying Gateway Properties screen.</p>
Authentication Type	<p>Select the authentication type. This is the type of external server that is used. Select one of the following options -</p> <ul style="list-style-type: none"><li>• MSAD (Microsoft Active Directory)</li><li>• LDAP (Lightweight Directory Access Protocol)</li></ul> <p>The default option is MSAD. However, it can be changed.</p>

5. Click **Next**.

The **Property File Creation** screen displays.

**Figure 2-25 Property File Creation**

Oracle FLEXCUBE Universal Installer

**Oracle Banking Installer** ORACLE INSTALLER

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	<input type="checkbox"/>
3	SECURITY AUTHENTICATIO...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

Exit Log Back Next


- Specify the following LDAP server details.

**Table 2-14 LDAP server details.**

Field	Description
<b>LDAP Server URL</b>	Specify the URL to access the LDAP server where the external user ID and password are maintained.
<b>LDAP SSL Enabled</b>	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.



Table 2-14 (Cont.) LDAP server details.

Field	Description
<b>Security Authentication Type</b>	<p>Depending on the authentication mechanism supported by the LDAP server, select one of the following -</p> <ul style="list-style-type: none"><li>• <b>Simple</b></li><li>• <b>Strong</b></li></ul> <div> <b>Note:</b><ul style="list-style-type: none"><li>• Different servers support different authentication mechanisms.</li><li>• By default, the security authentication type is <b>Simple</b>, however, you can change this.</li></ul></div>
<b>Domain Name</b>	Specify the domain name.
<b>LDAP Server Timeout</b>	Specify the LDAP server timeout in milliseconds. This must be a positive integer value. For example, 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 **Property File Creation** screen displays.


**Figure 2-26 Property file Creation - Modify Gateway Properties**

8. On the **Property File Creation** screen, specify the details.

**Table 2-15 Property File Creation - Field Description**

Field	Description
<b>XSD Path</b>	Specify the path to the XSD file. The 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. For example, <ul style="list-style-type: none"> <li>For Windows - D:\Kernel11.1\GW_WS\XSD\</li> <li>For Linux - /Kernel11.1/GW_WS/XSD/</li> </ul>
<b>Logger File</b>	Specify the path to the <b>gw_ws_logger.properties</b> file with the file name. The file must be manually copied to the specified location. For example, <ul style="list-style-type: none"> <li>For Windows - D:\Kernel11.1\GW_WS\config\gw_ws_logger.properties</li> <li>For Linux - /Kernel11.1/GW_WS/config/gw_ws_logger.properties</li> </ul>

Table 2-15 (Cont.) Property File Creation - Field Description


Field	Description
<b>Debug Path</b>	Specify the path to the folder where the application creates the logs. There must be a / at the end. You need to manually create the folder structure. For example, <ul style="list-style-type: none"> <li>For Windows - <code>D:\Kernel11.1\GW_WS\log\</code></li> <li>For Linux - <code>/Kernel11.1/GW_WS/log/</code></li> </ul>
<b>Security Key for Encryption</b>	Specify the security key for the encryption. Here, in this case, it is <b>oraclefinancials</b> .
<b>SMS Pool Name</b>	Specify SMS Pool Name. Here, in this case, it is <b>jdbc/fcdevDSSMS</b> .
<b>DataSource</b>	The JDBC data source is an object bound to the JNDI tree and provides database connectivity through a pool of JDBC connections.
<b>POSS Datasource</b>	Check this box if POSS is required. If you check this box, specify the POSS Datasource Name in the field below this.
<b>OPSS CSF Available</b>	Indicates whether OPSS-CSF is installed or not.  <div>  <b>Note:</b>            Select 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.         </div>
<b>Distributed Schema</b>	If the schema is distributed, select <b>Yes</b> . If the schema is not distributed, select <b>No</b> .
<b>MSG IN LOG Required</b>	Select <b>Yes/No</b> from the drop-down box.
<b>MSG OUT LOG Required</b>	Select <b>Yes/No</b> from the drop-down box.

9. Click **Next**.

The **Property File Creation** screen displays.

10. On the **Property File Creation** screen, specify the name of the EJB application deployed.  
For example, GWEJB
11. Click **Next**.  
The **Gateway Property File Creation** screen displays.
12. Specify the Gateway property file details.

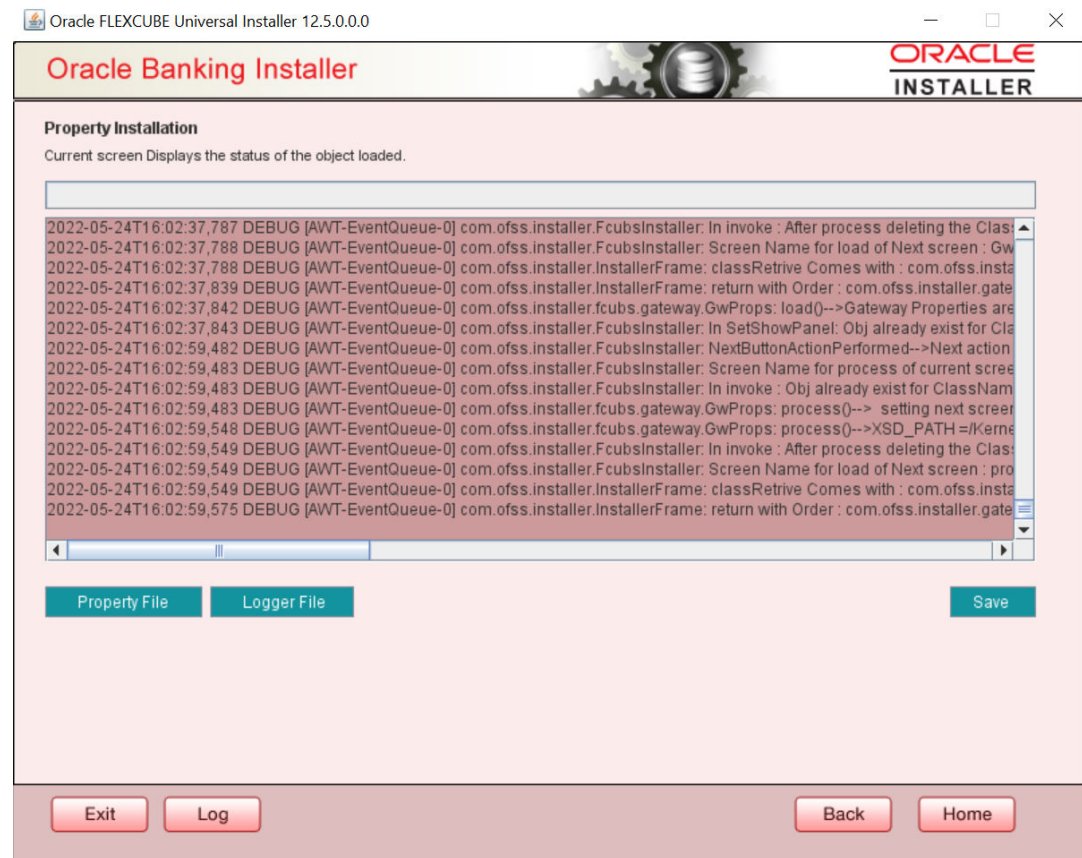
Table 2-16 Gateway Property File Creation - Field Description

Field	Description
<b>EJB JNDI Name</b>	<p>If you build the EJB application with the GWEJB name, this will create the name with which the EJB EAR file is built.</p> <p>If you select EJB Call Type as <b>REMOTE</b>, this will create</p> <p><b>&lt;EJB_APPLICATION_NAME&gt;#com.ofss.fcubs.gw.ejb.GWEJBRemote</b> in <b>GW_WS_Prop.properties</b> file.</p> <p>For example, Weblogic/ : GWEJB #com.ofss.fcubs.gw.ejb.GWEJBRemote</p>
<b>Application Server URL</b>	<p>Specify the URL of the application server where the web service application is hosted.</p> <p>For example, Weblogic: t3://10.10.10.10:7001</p>
<b>User Name</b>	<p>Specify the user name to access the application server where the EJB application is deployed.</p> <p>For example, INFRA</p>
<b>Password</b>	Specify the password for the user name.
<b>EJB Look Up</b>	Specify the EJB look up type from the drop-down list. The options are <b>LOCAL/REMOTE</b> .
<b>Application Type</b>	<p>Specify the application type from the drop-down list.</p> <div>  <b>Note:</b> <ul style="list-style-type: none"> <li>If the <b>Application Type</b> is <b>INTEGRATED</b> then the <b>EJB Look Up</b> should be selected as <b>LOCAL</b>.</li> <li>If the <b>Application Type</b> is <b>INDIVIDUAL</b> then the <b>EJB Look Up</b> should be selected as <b>REMOTE</b>, and EJB should configure in any server. (<b>REMOTE</b> only works with the combination of EJB and GWWS).</li> <li>The Installer creates two files viz. <b>gw_ws_logger.properties</b> and <b>GW_WS_Prop.properties</b> in the path provided to save the files.</li> </ul> </div>

13. Click **Next**.

The **Property Installation** screen displays.

Figure 2-27 Property Installation



The property file will be created in a temporary folder.

14. Click **Property File** to view the created property file.
15. Click **Save** to save the created property file in the desired location.

The property file will be created in a temporary folder.

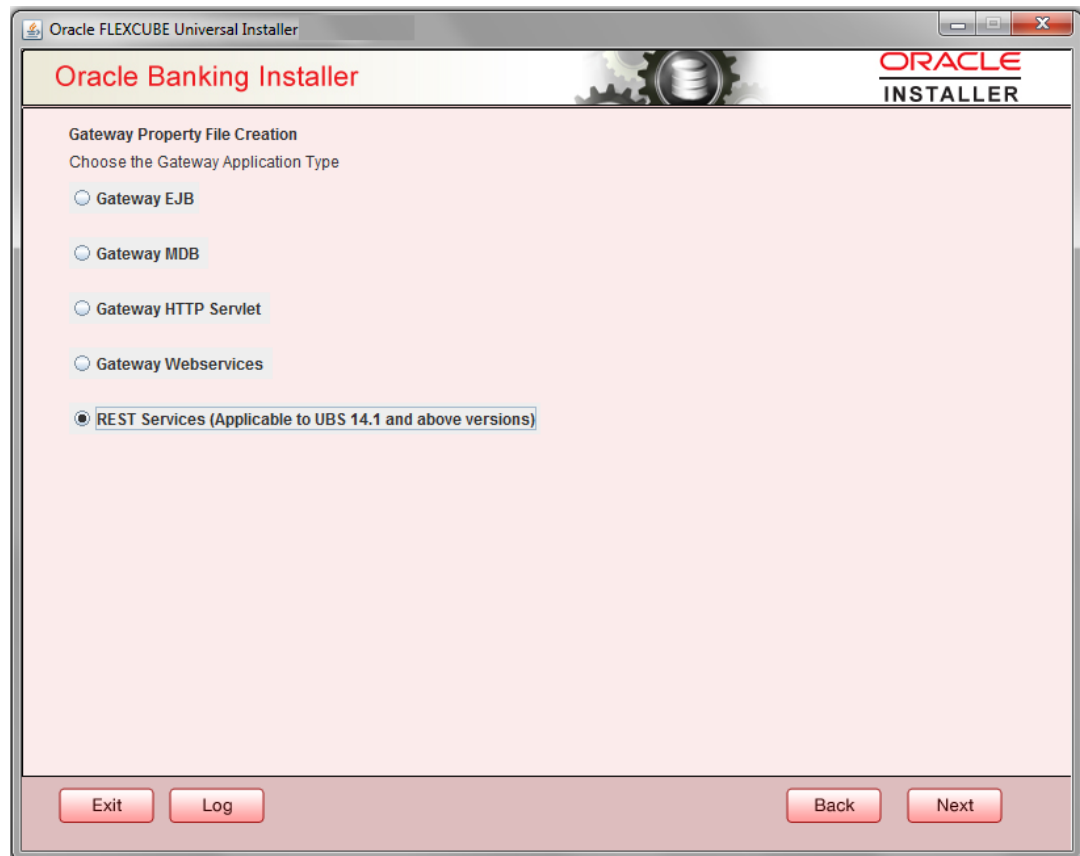
For Gateway EAR Building, refer to the *Installer EAR Building* document.

## 2.2.5 REST Services Application

This topic explains systematic instructions to create a property file through the REST Services application type.

1. On the **Gateway Property File Creation** screen, select **REST Services (Applicable to UBS 14.1 and above versions)** application type, and click **Next**.

**Figure 2-28 REST Services\_Gateway Property File Creation**



The **SMS Schema Details** screen displays.

**Figure 2-29 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

2. Enter a valid **Username**, **Password**, **Service Name** **IP Address**, **Port**, and **TNS Connect Descriptor**, and click **Test Connection**.

The successful test connection will enable **Next**.

3. On the **SMS Schema Details** screen, click **Next**.

The **Property File Creation** screen displays.

Figure 2-30 Property File Creation

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

Table 2-17 Property File Creation - File Description

Field	Description
<b>XSD Path</b>	Enter the XSD path.
<b>Logger File</b>	Enter logger property file path.
<b>Debug Path</b>	Enter the path where debugs are to be written.
<b>Security Key for Encryption</b>	Specify the security key for the encryption. Here specify <b>oraclefinancialsolutions</b> .
<b>SMS Pool Name</b>	Enter valid pool name. This field displays the default value <b>jdbc/fcdevDSSMS</b> .
<b>DataSource</b>	The JDBC data source is an object bound to the JNDI tree and provides database connectivity through a pool of JDBC connections.
<b>POSS DataSource</b>	Check this box if POSS is required.
<b>OPSS CSF Available</b>	This check box indicates whether OPSS-CSF is installed or not.
<b>POSS DataSource</b>	If the <b>POSS DataSource</b> box is checked, specify the POSS Datasource Name in this field.
<b>Distributed Schema</b>	Select either <b>Yes</b> or <b>No</b> from the drop-down list.
<b>MSG IN Log Required</b>	Select either <b>Yes</b> or <b>No</b> from the drop-down list.
<b>MSG OUT Log Required</b>	Select either <b>Yes</b> or <b>No</b> from the drop-down list.



Table 2-17 (Cont.) Property File Creation - File Description

Field	Description
Integration with CN Logger	Check this box for the Integration with CN Logger.

- Click **Next** to enter REST Services information.  
The **RESTServices Properties** screen displays.

Figure 2-31 RESTServices Properties

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

**Oracle Banking Installer** **ORACLE INSTALLER**

**RESTServices 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: oraclefinancials

REST Services Msg Schema Pool Name: jdbc/fcdevDSSMS

Authentication Scheme: FLEXCUBE Deployment Type: INDIVIDUAL

REST Client ID: oracle

REST Client Secret: CustomerServer

Access Token URL: http://10.184.132.161:14100/ms\_oauth/oauth2/endpoints/oauthservice/tokens

Swagger Host: 10.10.10.10:1010 Swagger Version: 14.1

**REST EJB Details**

CTX Factory: weblogic.jndi.WLInitialContextFactory Provider URL: t3://10.10.10.10:1010

Security Principal: weblogic Security Credentials: .....

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

Exit Log Back Next

- On the **RESTServices Properties** screen, specify the fields.

Table 2-18 REST Services Properties

Field	Description
REST Services Logger File	Enter logger property file path.
REST Services Debug Path	Enter the 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 <b>oraclefinancialsolutions</b> .
REST Services Msg Schema Pool Name	Enter a valid pool name. This field displays the default value as <b>jdbc/fcdevDSSMS</b> .

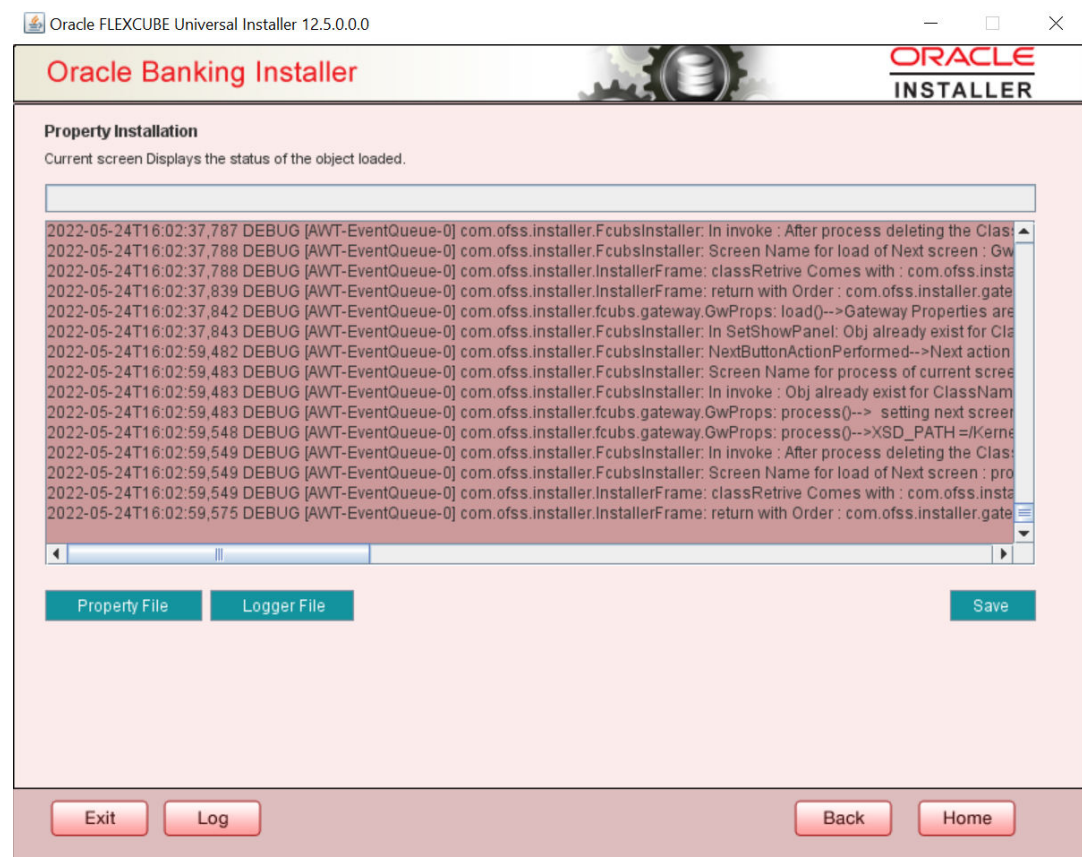
Table 2-18 (Cont.) REST Services Properties

Field	Description
<b>Authentication Scheme</b>	Select <b>Authentication Scheme</b> from the drop-down list. <ul style="list-style-type: none"> <li>• <b>OAUTH</b></li> <li>• <b>FLEXCUBE</b></li> </ul> For the <b>FLEXCUBE</b> authentication scheme, <b>REST Client ID</b> , <b>REST Client Secret</b> , and <b>Access Token URL</b> are disabled. The same has to be entered if <b>OAUTH</b> is selected.
<b>CTX factory</b>	Enter valid CTX factory information.
<b>Provider URL</b>	Enter the URL with the valid port number.
<b>Security Principal</b>	Enter the security principal user name.
<b>Security Credentials</b>	Enter the security principal password.
<b>JNDI Name</b>	In this field, <b>JNDI Name</b> is defaulted based on the application server selected.

- On the **RESTServices Properties** screen, click **Next**.

The **Property Installation** screen displays.

Figure 2-32 Property Installation



- Click **Property File** to view the created property file.
- Click **Save** to save the created property file in the desired location.

The property file will be created in a temporary folder.