

Oracle® Banking Enterprise Limits and Collateral Management Installer Property File Creation



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ORACLE®

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Preface

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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
boldface	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
Approve	Used to approve the initiated report. This button is displayed, once the user click Authorize .
Audit	Used to view the maker details, checker details, and report status.
Authorize	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.
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	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 Authorize .
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click Compare .
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click Compare .

Table 1-2 (Cont.) Basic Actions

Action	Description
New	Used to add a new record. When the user click New , the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click Authorize .
View Difference only	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 Compare .
Unlock	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 Oracle FLEXCUBE Installer

This topic explains the steps to create a property file for Oracle FLEXCUBE using ORACLE FLEXCUBE Installer Application. While creating the property file, the environment property file also gets generated.

- [Create Property File](#)

This topic explains the property file creation using the installer.

2.1 Create Property File

This topic explains the property file creation using the installer.

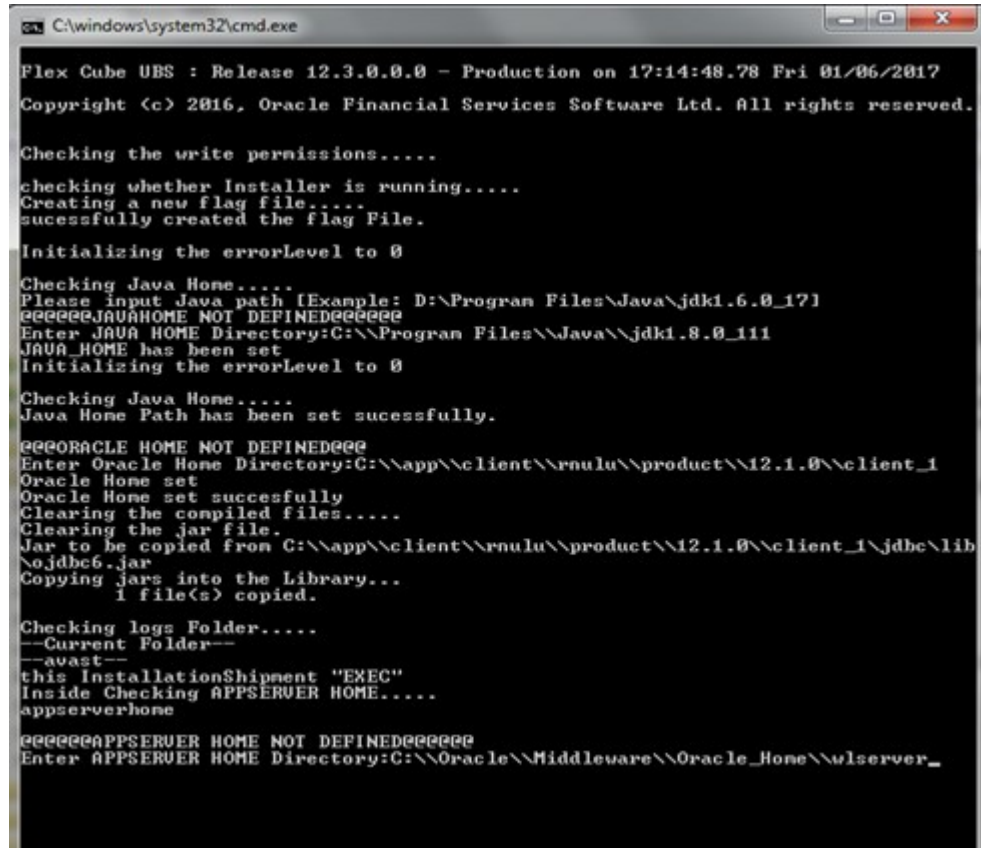
Oracle Database and JDK

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

1. Launch the Oracle FLEXCUBE Installer, i.e., **FCUBSInstaller.bat** (for Windows) and **FCUBSInstaller.sh** (for Linux, bash shell recommended). These files are available in `INSTALLER/SOFT/GUI`.

FCUBSInstaller.bat cmd window is launched.

Figure 2-1 FCUBSInstaller



```
C:\windows\system32\cmd.exe
Flex Cube UBS : Release 12.3.0.0.0 - Production on 17:14:48.78 Fri 01/06/2017
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.
Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
@@@@@JAVAHOME NOT DEFINED@@@@@
Enter JAVA HOME Directory:C:\Program Files\Java\jdk1.8.0_111
JAVA_HOME has been set
Initializing the errorLevel to 0

Checking Java Home.....
Java Home Path has been set sucessfully.

@@@@@ORACLE HOME NOT DEFINED@@@@@
Enter Oracle Home Directory:C:\app\client\rnulu\product\12.1.0\client_1
Oracle Home set
Oracle Home set sucessfully
Clearing the compiled files.....
Clearing the jar file.
Jar to be copied from C:\app\client\rnulu\product\12.1.0\client_1\jdbc\lib
\ojdbc6.jar
Copying jars into the Library...
1 file(s) copied.

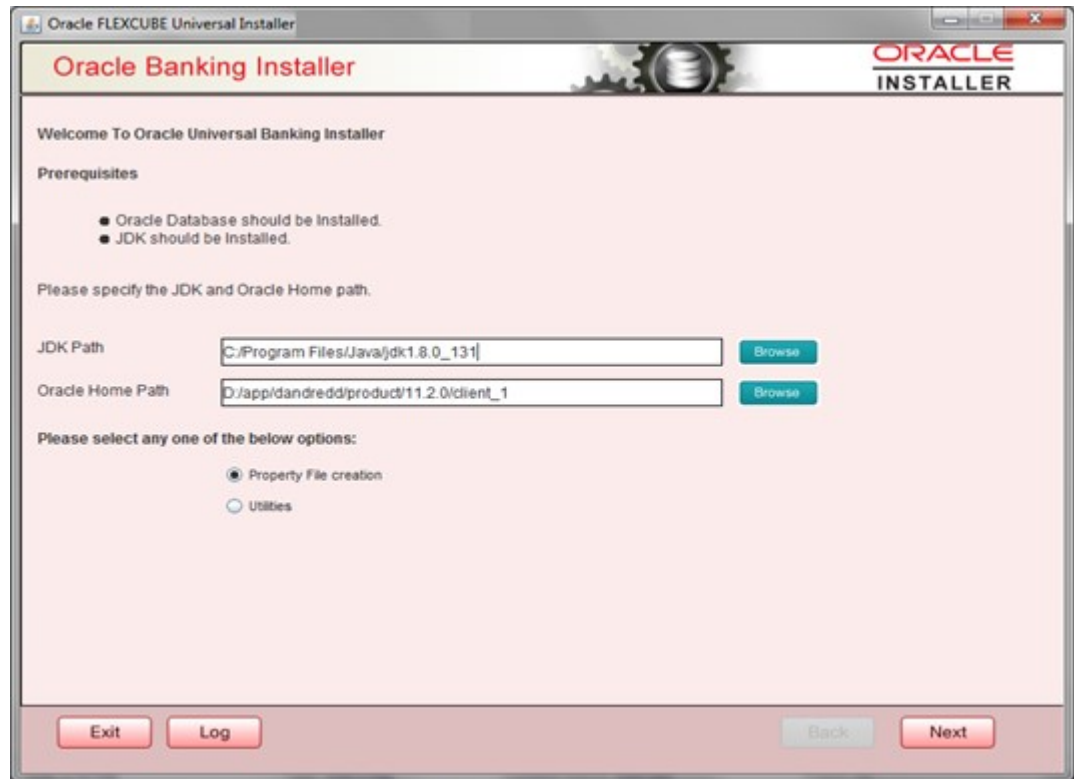
Checking logs Folder.....
--Current Folder--
--avast--
this InstallationShipment "EXEC"
Inside Checking APPSERVER HOME.....
appserverhome

@@@@@APPSERVER HOME NOT DEFINED@@@@@
Enter APPSERVER HOME Directory:C:\Oracle\Middleware\Oracle_Home\ulserver_
```

2. On the FCUBSInstaller.bat cmd screen, provide the following details:
 - a. **JAVA HOME PATH:** Provide the JDK home path with the latest version.
 - b. **ORACLE HOME PATH:** Provide the Oracle 12C Client Path.
 - c. **APPSERVER HOME PATH:** Provide the app server home path.
3. After providing the path details in the cmd, the INSTALLER-GUI gets started. And follow the below details.

Oracle FLEXCUBE Universal Installer window is displayed.

Figure 2-2 Oracle FLEXCUBE Universal Installer



4. On the Oracle FLEXCUBE Universal Banking Installer, specify the fields.

Table 2-1 Oracle FLEXCUBE Universal Installer - Field Description

Fields	Description
JDK Path	Maintain the Home folder path of JDK. The JAVA HOME path given in the previous screen gets defaulted.
Oracle Home	Maintain the Home folder path of JDK. The JAVA HOME path given in the previous screen gets defaulted.

5. Select one of the radio buttons.
 - a. Property File creation
 - b. Utilities
6. Based on the selection, the Next screen will be shown. Click the Property File creation for the current case.
7. Click **Next** and the following screen is displayed.

Figure 2-3 Oracle FLEXCUBE Universal Installer - Components

8. Select the component for which property file is to be created.
 - **INFRA** is for FCUBS property file creation. To create a property file for Scheduler or Gateway, or Switch Interface Installation, please refer to the respective property file creation document.
9. Select the required Product Processors to make respective property files.
 - a. **Oracle Financial Universal Banking** product processor contains the Rest of Flexcube other than Payments, ELCM and OBCL, etc.
 - b. **Oracle FLEXCUBE Enterprise Limits and Collateral Management (ELCM)** has three types. They are Embedded, CO-Deploy, and Standalone (ELCM Adapter). Please choose a proper option. Oracle FLEXCUBE Enterprise Limits and Collateral Management can be selected as an individual application or along with Oracle Financial Universal Banking. Also, ELCM Adapter required checkbox is available.
 - c. **Oracle Banking Payments** can be selected as an individual application or along with Oracle Financial Universal Banking.
 - d. **Oracle Banking Corporate Lending** can be selected as an individual application or along with Oracle Financial Universal Banking.
 - e. **Open Development Tool (ODT)** can be selected to install ODT, which allows end-user to design ODT screens.
 - f. Oracle Banking Treasury can be selected as an individual application or along with Oracle Financial Universal Banking.
 - g. Oracle Banking Trade Finance can be selected as an individual application or along with Oracle Financial Universal Banking.

- h. Oracle FLEXCUBE Universal Banking for Japan can be selected as an individual application.
10. Select the Plugins to be included in the application.
11. If you need to modify an existing property file, load it using the respective **Browse** button. You can load existing property-file to make any modifications
12. These are the plugins available:
 - a. Scheduler
 - b. Reports
 - c. DMS(Document Management System)
 - d. Insulation
13. Click **Next** again, and the following screen is displayed:

Figure 2-4 Oracle FLEXCUBE Universal Installer - SMS Schema Details

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

SMS Schema Details

Name	Value
Username	FCUBSTEST
Password	*****
Service Name	FCTOOLSNEW
IP Address	10.184.132.72
Port	1521
TNS Connect Descriptor	FCTOOLSNEW

Entity Schema Details

☐ Same as SMS Schema

Entity Id: ENTITY_ID1 JNDI Name: jdbc/cjdevOS

Name	Value
Username	FCUBSTEST
Password	*****
Service Name	FCTOOLSNEW
IP Address	10.184.132.72
Port	1521
TNS Connect Descriptor	FCTOOLSNEW

☐ Compile in All Entities

Test Connection

Prev Next

Exit Log Back Next

14. Provide the SMS schema details to capture the credentials which will be used for DB Compilation.

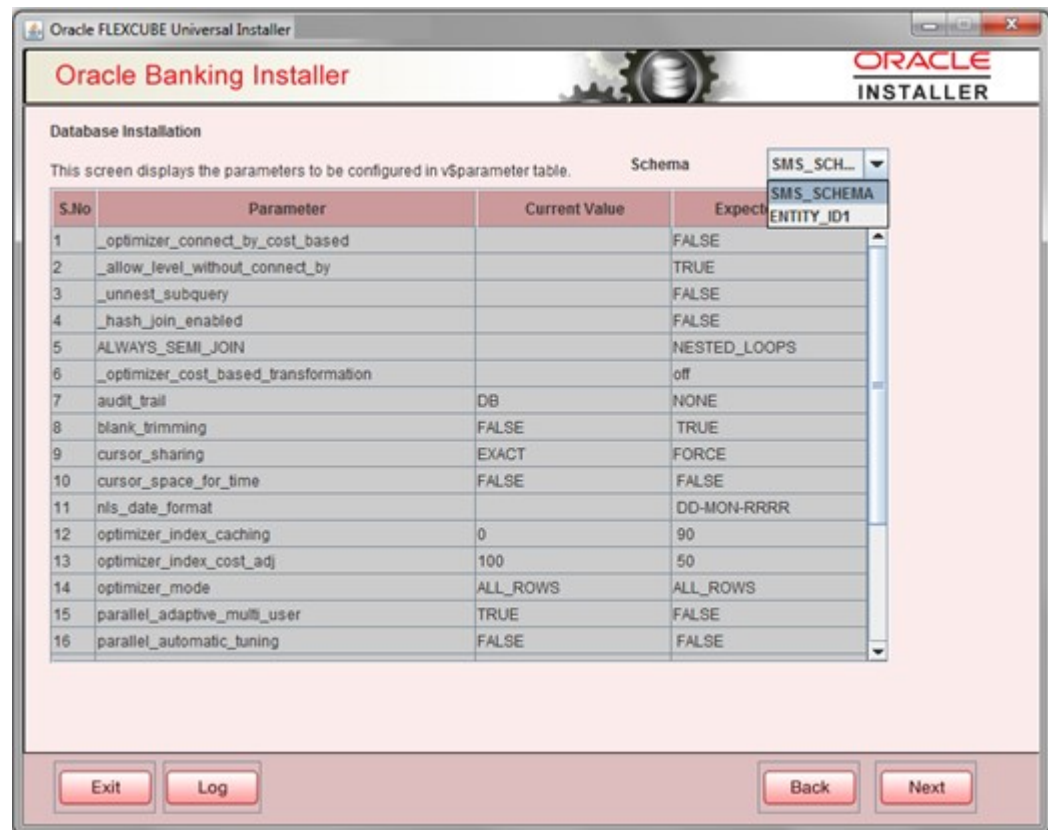
Note:

IP Address should be same as mentioned in the **TNSnames.ora**

15. Once the connection is successful the env.properties file present in path /INSTALLER/SOFT/GUI/logs/env.properties will get updated with schema details in an encrypted format.

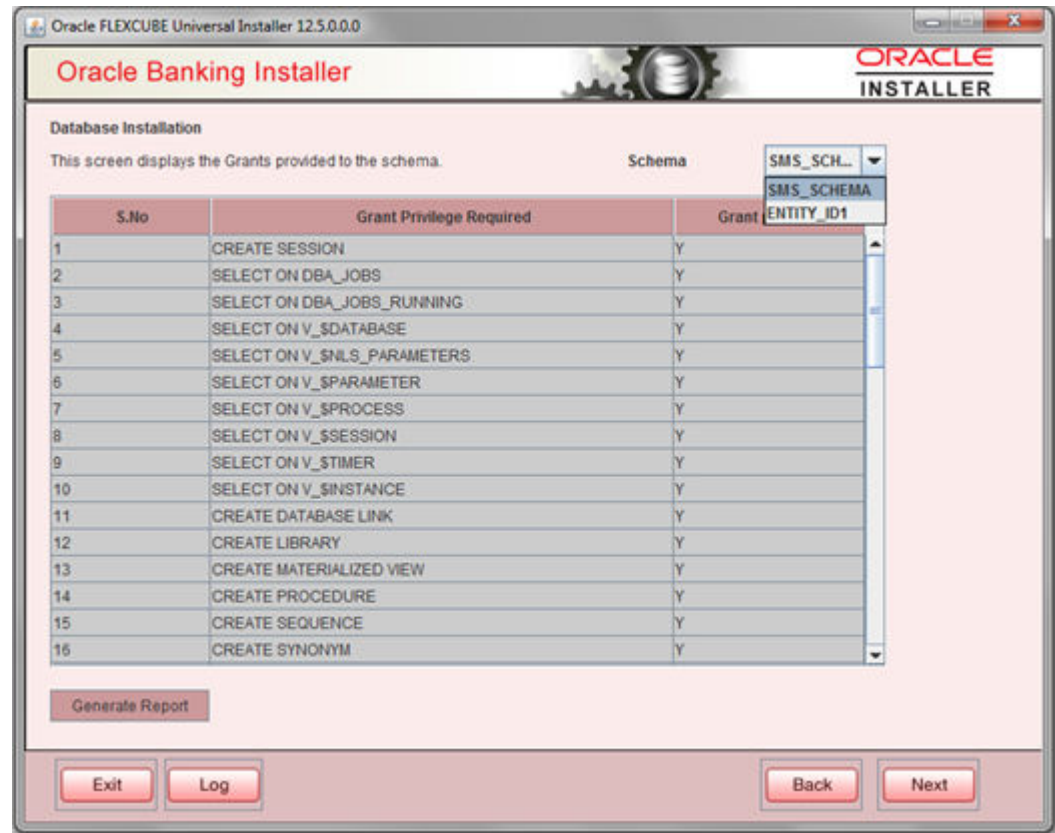
16. For Single Entity:
 - a. Here Entity Schema is mandatory, atleast a minimum of one entry should be provided.
 - b. Entity Id value is default, i.e. 'ENTITY_ID1' for the first entry.
 - c. Provide the JNDI Name for the ENTITY_ID1. By default the JNDI name is jdbc/fcjdeVDS.
 - d. Give the Schema Details for the Entity1.
 - e. Here Compile In All Entities Field is 'N'. (As using the Single Entity Concept).
17. For more than One Entity, i.e. Multi Entity:
 - a. After providing the Single Entity details, click on + to add the rows.
 - b. Now give the details for Entity_ID2. Here the field is mandatory.
 - c. Provide the schema details and the JNDI name.
 - d. The next and Prev button is to traverse for entity screens.
 - e. Can also add the entites and delete the entities.
18. Click on the **Test Connection** button. After a successful connection, click on the **Next** button to proceed, and the below screen occurs. This Screen displays database parameters listed in the v\$parameter table.
19. This page is Read only used as a reference to know the database parameters.
20. The Schema drop down list is provided to verify parameters of SMS and Entity Schemas.

Figure 2-5 Oracle FLEXCUBE Universal Installer - Database Installation



21. Click on the **Next** Button. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen.
22. Schema drop down lists SMS and Entity Schemas. Select Schema and proceed further.

Figure 2-6 Oracle FLEXCUBE Universal Installer - Database Installation_Schema



23. Click the **Generate Report** button, the installer creates an SQL file 'grantScript.sql' containing the script for granting the privileges in the 'Logs' folder, and the following screen is displayed.
24. You can use this file to get the access.

Note:

Only the sys user can execute the file '**grantScript.sql**' for granting privileges. Only the sys user can execute the file '**grantScript.sql**' for granting privileges.

25. Click **Next** button again.

Oracle FLEXCUBE Universal Installer - Environment Details screen is displayed.

Figure 2-7 Oracle FLEXCUBE Universal Installer - Environment Details

26. On the **Oracle FLEXCUBE Universal Installer - Environment Details**, specify the fields.

Table 2-2 Oracle FLEXCUBE Universal Installer - Environment Details

Fields	Description
EAR Name	Specify the name of the Application to be deployed. <div> Note: You cannot use special characters such as '.' (Dot), ',' (comma), '\$' etc. However, you may use '_' (underscore). – Applicable for both Windows and Linux. </div>
Context Name	Based on the Application type selected, the Installer displays the application context. However, you may modify the default value. This information will be updated in 'application.xml'. In case of a WebLogic server, this will be updated in 'weblogic.xml'.

Table 2-2 (Cont.) Oracle FLEXCUBE Universal Installer - Environment Details




Fields	Description
File Separator Style	Specify the type of file separator (For example, Linux or Windows). Select the appropriate one from the drop-down list. You also need to specify the version of the selected operating system.
Application Server	Specify the application server in which you are creating the property file. Select the appropriate one from the adjoining drop-down list.
External JSUIXML Required	<p>Specify whether screen changes will be deployed as External JSUIXML for the application. EXTERNAL_JSUIXML_REQUIRED=Y/N: Depending on requirement</p> <div>  Note: EXTERNAL_JSUIXML_REQUIRED=N: JS and UIXML files are included inside the application EAR. </div> <p>EXTERNAL_JSUIXML_REQUIRED=Y: JS and UIXML, and HELP files are kept in an external path in the application server.</p>
External PropertyFile Required	<p>Specify whether screen changes will be deployed as External fcubs.properties for the application. EXTERNAL_PROPERTY_PATH_REQUIRED=Y/N: Depending on requirement</p> <div>  Note: <ul style="list-style-type: none"> EXTERNAL_PROPERTY_PATH_REQUIRED=N: fcubs.properties file is included inside the application EAR. EXTERNAL_PROPERTY_PATH_REQUIRED=Y: fcubs.properties file is kept in an external path in the application server. </div> <div>  Note: External property file path should have the property file name also with it. For example: C:\App\fcubs.properties. </div>
Application Server Path	Provide the Application Server Path.

Table 2-2 (Cont.) Oracle FLEXCUBE Universal Installer - Environment Details

Fields	Description
Server Path	Provide the source path of the console exec directory. (Mention exact folder name after unzipping the source)
Ear Destination Path	Specify the path where Ear needs to be copied after building it using SOFT Installer.
External JSUIXML Path	In case External JSUIXML Required option is checked, External JSUIXML path on the application server machine has to be specified here. External JSUIXML required option is supported only for Weblogic Application Server. EXTERNAL_JSUIXML_PATH: ex:- /scratch/work_area/DEV/FC124_UBS/JS_UIXML_HELP. This can be any path in the Application server.
External PropertyFile Path	In case External Property File required option is checked, the External PropertyFile path on the application server machine has to be specified here.

27. Click **Next** button again.

Oracle FLEXCUBE Universal Installer - Property File Creation screen is displayed.

Figure 2-8 Oracle FLEXCUBE Universal Installer - Property File Creation

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

ORACLE
INSTALLER

Property File Creation

Release: KERNEL

Hashing Algorithm Iteration Count: 10000

Security Key for Encryption Logic: oraclefinancials

Exit Log Back Next

28. On the **Oracle FLEXCUBE Universal Installer - Property File Creation**, specify the fields.

Table 2-3 Oracle FLEXCUBE Universal Installer - Property File Creation

Fields	Description
Release	Specify the release in which you are creating the property file. By default, the option would be KERNEL. The list of options available from the dropdown list are: <ul style="list-style-type: none">• KERNEL• MX Cluster
Hashing Algorithm Iteration Count	Specify the Hashing algorithm iteration count. By default, it is 1000.
Security Key for Encryption Logic	Security Key for Encryption Logic is the key (exact 16 characters) for all encryption logic. By default, it is oraclefinancials. OBMA PP Installed.

- [Custom Installation](#)
This topic explains the systematic instructions for custom installation.
- [Set General Properties](#)
This topic explains the process of setting common properties of Oracle FLEXCUBE Payments.
- [Set Single Sign on](#)
This topic explains the systematic instructions of setting single sign on.
- [Property File Creation - SMTPS/DMS](#)
This topic explains the method to configure Email details and SMTPS/DMS properties whichever is required.
- [Configure Scheduler](#)
This topic explains the systematic instructions to configure scheduler data source.
- [Set Scheduler EMS Properties](#)
This topic explains the Scheduler EMS Properties for the property file creation.
- [Set EMS FTP/FTPS Properties](#)
This topic explains the EMS FTP/FTPS properties.
- [Set Scheduler BIP/GI Upload Queue Properties](#)
This topic explains the BIP/GI Upload Queue properties.
- [Set Reports details](#)
This topic explains the BI Publisher properties.
- [Save Property File](#)
This topic explains to save the property file.

2.1.1 Custom Installation

This topic explains the systematic instructions for custom installation.

Figure 2-9 Oracle FLEXCUBE Universal Installer - Property File Creation - DataSource

1. Enter the Data sources required, which will be asked as per the product, Plug-in, and Component combinations chosen in the first screen.
2. SMS Data Source is enabled as it is required for most of the cases.
3. PM related Data Sources is enabled for PM product processor.
4. The Host Server is the server where the FCUBS application is deployed or to be deployed.
5. Standalone scheduler URL is enabled, if the Standalone option is selected.
6. Click **Next** button to proceed to the next screen.

2.1.2 Set General Properties

This topic explains the process of setting common properties of Oracle FLEXCUBE Payments.

1. The installer displays the **General Property** screen.

Figure 2-10 Oracle FLEXCUBE Universal Installer - Property File Creation - General Property

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer

Property File Creation - General Property

Debug Logs Required: ☐ LOV Fetch Required ☐ External LOV Required

Work Area: Auto clear User:

Signature Path:

Excel Path:

Request Time Out: milli seconds Max Image Size: Bytes

Connection Time Out: Seconds User Batch Time: Hours

Session Time Out: Seconds

CSS Style: Name:

Language: ISO Code:

Application Title: ☐ Integration With ODA ChatBot

Version: ☐ Integration with CN Logger

CopyRights:

2. On the **Oracle FLEXCUBE Universal Installer - Property File Creation - General Property** screen, specify the fields.

Table 2-4 Oracle FLEXCUBE Universal Installer - Property File Creation - General Property


Fields	Description
Debug Logs Required	<p>If debug option is required, select 'Yes' from the drop-down list. If not required, select 'No'. By default, the value is 'No'.</p> <div> Note:<ul style="list-style-type: none">Parameter APPLICATION_WORK_AREA in fcubs.properties will be updated to the "Work Area" path provided during installation.Parameter DEBUG will be updated based on "Debug Logs Required" selection.</div> <p>To log debug for the user, following should be available.</p> <ul style="list-style-type: none">In Day 0 Setup, the CSTB_PARAM table will be appended with parameter name WORK_AREA and path provided for debug logs.CSTB_DEBUG table should have entries for required modules.Corresponding user entries should be input in CSTB_DEBUG_USERS. <p>For example: If the SM module log is enabled for the user, then there should be an entry in cstb_debug_users.</p> <p>Refer the below tables for the user level and blank level.</p> <ul style="list-style-type: none">#unique_33/unique_33_Connect_42_TABLE_UMB_MXL_FRB#unique_33/unique_33_Connect_42_TABLE_ADL_RXL_FRB <p>All the configuration will be done using back-end scripts, which can be executed by Data Controller.</p> <p>For the snapshot of fcubs.properties, refer</p>

Table 2-4 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - General Property

Fields	Description
LOV Fetch Required	<p>If you check this box, the option lists in Oracle FLEXCUBE Universal Banking displays the matching values based on the first characters that you enter in a field. If you specify the first three characters of a value to be entered in an option list and tab out, the system displays the complete list of values that match the first three characters.</p> <p>If you do not check this, option lists do not show the matching values based on the first few characters. You need to specify the complete value against the field.</p>
External LOV Required	<p>If you check this box, the External Lov option for external Limits in Oracle FLEXCUBE Universal Banking will be enabled.</p>
Work Area	<p>Specify the work area. For example: D:\BrnDbgs\</p>
Signature Path	<p>Specify the location at which the signature images should be placed.</p>
Excel Path	<p>Specify the location at which the excel files should be generated.</p>
Request Time Out	<p>Specify the database request timeout value in milliseconds. This is the maximum number of seconds the database waits for a query to return the result. By default, it is 1800000 milliseconds.</p>
Connection Time Out	<p>Specify the database connection timeout value in seconds. This is the maximum number of seconds the application waits for a connection to the database to open.</p>
Session Time Out	<p>Enter the session time out value in seconds. This is the maximum number of seconds during which the application gets active without any user intervention. If there is no user intervention continuously for the duration specified here, the user session gets expires.</p>
Max Image Size	<p>Specifies the maximum image size that can be uploaded. The default size is 1048576 bytes.</p>
CSS Style	<p>Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:</p> <ul style="list-style-type: none">• Default – Select this to apply the default style provided along with Oracle FLEXCUBE.• Custom – Select this to apply a custom style.
Name	<p>Specify the name of the CSS style. Once you have specified the above details, click 'Next.'</p>

Table 2-4 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - General Property

Fields	Description
Language	Specify the language in which you wish to see Oracle FLEXCUBE UBS. English is the default language. However, based on the requirement, you can set a different language. Select the appropriate one from the drop-down list. Based on the language selected, the installer displays the ISO code.
Application Title	Specify the application title. For example: FLEXCUBE UBS
Version	Specify the application version. For example: 14.0.0.0.0
CopyRights	Specify the copyright details. For example: Copyright © 2017, Oracle and/or its affiliates. All rights reserved.
Integration With ODA ChatBot	Check this box to enable ODA ChatBot. ODA ChatBot setup details are available in the ChatBot guide document.

2.1.3 Set Single Sign on

This topic explains the systematic instructions of setting single sign on.

1. The installer displays the **Single Sign on** screen.

Figure 2-11 Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer

Property File Creation - Single Sign on

SSO Required ☒ SSO Type **DEFAULT**

SSO KEY **DN**

Authentication details maintained external to FLEXCUBE

External Password Required ☐ Authentication Type **DEFAULT**

External User Login Required ☐ **TOKEN**

☒ Platform Security SMS Security Key **oraclefinancials**

Option to provide LDAP server details

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	<input type="checkbox"/>
3	SECURITY AUTHENTICATION TYPE	Simple
4	DOMAIN NAME	flexcube.com
5	LDAP SERVER TIMEOUT	0

Option to provide SAML details

No.	Name	Value
1	SAML CERTIFICATE PATH	D:\Security\SAML_Implementation\TestFiles\certstore\ib...
2	SAML CERTIFICATE PASSWORD	*****
3	SAML CERTIFICATE ALIAS	barc
4	SAML VALID AUDIENCE	bPAID_BWSIT

Exit Log Back Next

- On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on** screen, specify the following details.

Table 2-5 Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on

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

Table 2-5 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on


Fields	Description
SSO Type	<p>This is disabled. This is enabled on selecting SSO Required Flag. Specify the SSO Type from the list of the following:</p> <p>a. DEFAULT</p> <ul style="list-style-type: none"> This option is the default scenario where the External SSO system needs to send the SSO UserID mapped to the application userID in the SSO_KEY parameter. For Example: <ul style="list-style-type: none"> If SSO_KEY maintained is DN and SSO_USERID is fcubsuser@oracle.com then the SSO system needs to send SSO USERID in the DN parameter when a request is sent to the application. The SSO UserID needs to be maintained in the LDAP_USER field of the User Maintenance screen –SSDUSRDF- Refer to section 2.10 of Oracle ® FLEXCUBE Universal Banking. <p>b. TOKEN</p> <ul style="list-style-type: none"> This option needs to be selected if Custom implementation is required for SSO authentication in the application's Select this option to invoke Authenticate Custom Token. class when the application login is performed. The required custom implementation method for SSO/SAML needs to be done in the custom class. Exec File Path: INFRA\FCJNeoWeb\war\WEB-INF\classes\com\ofss\infra\sso\AuthenticateCustomToken.class can be referred for the method details. <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>Configuration details on the External SSO system will not be provided/available as part of Application documentation. This needs to be checked with the respective SSO provider.</p> </div> <p>c. SAML</p> <ul style="list-style-type: none"> By default, 'DEFAULT' option is selected; however, you can change it.

Table 2-5 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on


Fields	Description
	<p>IF SAML is selected, SAML details table below will be enabled .Please enter SAML details such as Certificate Path, password, alias and valid audience.</p> <p>This option needs to be selected if SSO -SAML authentication is required. In this case, the external system needs to send the SAML request XML in the SSO_KEY parameter.</p> <p>The application will validate the SAML signature using the certificate Path & password. In addition, the SAML Audience value provided should be the same in the SAML request sent to the application.</p> <div> Note:<p>After the successful SAML validations, the application will allow you to log in with the userID sent in the SAML request.</p><p>The SAML UserID send in the SAML request needs to be maintained in the LDAP_USER field of the User Maintenance screen – SSDUSRDF- Refer to section 2.10 of Oracle® FLEXCUBE Universal Banking.</p></div> <p>d. IDCS Token</p> <ul style="list-style-type: none">• This option needs to be selected if Oracle Identity Cloud Service(IDCS) is used as the Identify & Access management system in cloud deployments.

Table 2-5 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on


Fields	Description
SSO Signoff Configurations	<p>The below section details the options available to do SSO signoff when the user has logged off from the application. Select the SSO signoff checkbox to enable the below fields.</p> <p>a. SSO_SIGNOFF_URL:</p> <ul style="list-style-type: none"> The External SSO logout URL which needs to be invoked after application logoff needs to be configured here. Example: https://<host>/oam/server/logout" <p>b. SSO_SIGNOFF_POST_RD_URL :</p> <ul style="list-style-type: none"> This is applicable only if IDCS is used as IAM system. The URL/Context path which needs to be navigated post SSO signoff needs to be configured here. Example: "/FCJNeoWeb" <p>c. SO_REQ_PARAM_KEYS:</p> <ul style="list-style-type: none"> This is applicable only if IDCS is used as an IAM system. The keys required for the IDCS token validation need to be specified here as comma-separated. Example: "idcs_service_url,idcs_remote_user,idcs_user_assertion". <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>Note that the Application will only invoke the configured SSO logout URL when the user is logging off the application. The application will not perform any other action for SSO logout.</p> </div> <p>For the screen, refer to the image SSO Sign Off Configuration</p>
SSO KEY	<p>Specify the SSO key. If you have checked the box 'SSO Required,' it is mandatory to specify the SSO key. By default, the value is 'DN.'</p> <p>If you have checked the box 'SSO required,' the Installer skips the following two screens and directly navigates to the SSL screen shown below in this manual.</p> <p>If you have not checked the box 'SSO required,' then on clicking the 'Next' button, the screen for enabling SSL options is displayed.</p>

Table 2-5 (Cont.) Oracle FLEXCUBE Universal Installer - Property File Creation - Single Sign on


Fields	Description
External Password Required	<p>Check this box to allow the user-login using an 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.</p> <p>If LDAP is selected, a table related to LDAP will be enabled. Please enter LDAP server URL, SSL enabled, Security authentication type, Domain Name, and LDAP Server timeout details.</p> <p>By default, this check box is unchecked. However, you can change this.</p>
External User Login Required	<p>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.</p> <p>If you do not check this box, the user can login using FCUBS user ID only.</p> <p>By default, this check box is unchecked. However, you can change this.</p> <div>  Note: 'Authentication Type' is enabled if one of the above check boxes is checked. </div>
Authentication Type	<p>Select the authentication type from the adjoining drop-down list. This is the type of external server that is used for authentication. This option is enabled only when the External Password Required checkbox is checked. You can select one of the following options:</p> <ul style="list-style-type: none"> • MSAD (Microsoft Active Directory) • LDAP (Lightweight Directory Access Protocol) <p>By default, 'MSAD' is selected; however, you can change it.</p> <p>Specify the following details.</p>
Platform Security	<p>If the Platform Security box is checked for weblogic, the symmetric key is not stored in the property file for security reasons. If the Platform Security box is unchecked, the symmetric key is available in the property file and a warning message is displayed to the user.</p>
SMS Security Key	<p>This field is used to capture the security key value if the Platform Security check box is checked.</p>
SSL Enabled	<p>SSL Enabled is checked by default.</p>

Figure 2-12 SSO Sign Off Configuration

The screenshot shows the 'Oracle FLEXCUBE Universal Installer 12.5.0.0.0' window. The title bar includes the Oracle logo and the word 'INSTALLER'. The main window has a header 'Oracle Banking Installer' with a gear icon. Below the header, the section 'SSO Sign Off Configurations' is displayed. It contains a checkbox labeled 'SSO Sign Off Required' which is checked. Below this are three text input fields: 'SSO SIGNOFF URL' with the value 'cloudgatelogout.html', 'SSO SIGNOFF POST RD URL' with the value 'FC/NeoWeb', and 'SSO REQ PARAM KEYS' with the value 'remote_user,idcs_user_assertion'. At the bottom of the window, there are four buttons: 'Exit', 'Log', 'Back', and 'Next'.

3. Click **Next** and the next screen gets displayed.

2.1.4 Property File Creation - SMTPS/DMS

This topic explains the method to configure Email details and SMTPS/DMS properties whichever is required.

1. The Installer displays the following screen.

Oracle FLEXCUBE Universal Installer - Property File Creation - SMTPS/Branch/DMS screen is displayed.

Figure 2-13 Oracle FLEXCUBE Universal Installer - Property File Creation - SMTPS/ Branch/DMS

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer **ORACLE INSTALLER**

Property File Creation - SMTPS.DMS

Option for Mail configuring using SMTPS Protocol

No.	Name	Value
1	Host	samplename.mail.com
2	User Id	infra
3	User Password	*****
4	JNDI Name	mail/FCUBSMail

Option for modifying the DMS/IPM property values

No.	Name	Value
1	Login Service Address	http://10.10.10.10:1010/imaging/ws/LoginService
2	Document Service Address	http://10.10.10.10:1010/imaging/ws/DocumentService
3	Document Content Service Address	http://10.10.10.10:1010/imaging/ws/DocumentContentService
4	IPM User Name	testuser
5	IPM Password	*****

Exit Log Back Next

- For the **SMTPS** protocol, specify the following details.

Table 2-6 Property File Creation - SMTPS

Fields	Description
Host	Specify the SMTP host name.
User Id	Specify the User Id.
User Password	Specify the user password.
JNDI Name	Specify the JNDI name.

- In the next table, specify the branch properties like Date Separator, WorkFlow frequency, Compress Request as required.
- For the **DMS/IPM** protocol, specify the following details.

Table 2-7 Property File Creation - DMS/IPM

Fields	Description
Login Service Address	This is the endpoint address of the web service (OracleIPM.WebService.EndpointAddress).
Document Service Address	This is the URL to which the Oracle IPM adapter uploads the documents (OracleIPM11G.DocumentService.EndpointAddress).

Table 2-7 (Cont.) Property File Creation - DMS/IPM

Fields	Description
Document Content Service Address	This is the URL to which the Oracle IPM adapter uploads the documents (OracleIPM11G.DocumentContentService.EndpointAddress). Example for Login Service Address: Weblogic : http://10.10.10.10:1010/imaging/ws/LoginService In the above url replace Login Service with Document Service and Document Content Service respectively for Document Service Address and Document Content Service Address as well.
IPM User Name	This is the user name accessing Oracle IPM (OracleIPM11G.Authentication.UserName).
IPM Password	This is the password for the above IPM user name (OracleIPM11G.Authentication.Password).
IPM Application Name	This indicates the license that provides login rights to Oracle IPM (OracleIPM11G.Application).
HTTP Session Maintain	This checkbox indicates whether the HTTP session is to be maintained or not (OracleIPM11G.MaintainSession).

- Once you have specified the above details, click the **Next** button, and the system displays the next screen.

Example for Login Service Address:

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

In the above URL, replace LoginService with DocumentService and DocumentContentService, respectively for Document Service Address and Document Content Service Address as well.

2.1.5 Configure Scheduler

This topic explains the systematic instructions to configure scheduler data source.

If **Scheduler Standalone** is chosen during plug-in selection time, all the below screens mentioned under scheduler configuration will **not be applicable**.

- The system displays the following screen:

Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler Queues screen is displayed.

Figure 2-14 Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler Queues


2. On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler Queues** screen, specify the fields.

For more information, refer the field description table.

Table 2-8 Property File Creation - Scheduler Queues

Fields	Description
Scheduler Log Rotation Interval	Select the interval between each rotation of the scheduler log. Given options are: <ul style="list-style-type: none"> DAILY WEEKLY MONTHLY
Notify Destination	Specify the notify destination. Select one of the following options: <ul style="list-style-type: none"> QUEUE TOPIC
Queue Name	Set NOTIFY_DEST_QUEUE as the destination queue name.
Queue Connection Factory	Set NotifyDestTCF as the queue connection factory.
Secure	Check this box to indicate that it is a secured queue connection factory. If you check this box, you will be prompted to specify the Caller ID and Caller Password.

Table 2-8 (Cont.) Property File Creation - Scheduler Queues

Fields	Description
Notify Deferred Queue Name	Set DEFERRED_DEST_QUEUE as the notify deferred queue name.
Deferred Queue Connection Factory	Set DeferredDestQcf as the deferred queue connection factory
Secure	Check this box to indicate that it is a secured, deferred queue connection factory. If you check this box, you will be prompted to enter the caller ID and caller password.
Notify Queue Name	Set NOTIFY_QUEUE as the notify queue name.
Dead Letter Queue Name	Set NOTIFY_QUEUE_DLQ as the dead letter queue name.
Notify Queue Connection Factory	Set NOTIFY_MDB_QCF as the notify queue connection factory.
Secure	Check this box to indicate that it is a secured queue connection factory. If you check this box, you will be prompted to enter the Caller ID and Caller Password.
Notify Queue Location	<p>Specify the notify queue location. Select one of the following options:</p> <ul style="list-style-type: none"> • Internal • External <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>For the Oracle WebLogic application server, the notify queue location should be selected as 'Internal'.</p> </div> <p>If you choose External, the External Server configuration for Destination Queue table will be enabled.</p>
Provider URL	<p>Specify the provider URL (<code>iiop://localhost:1010</code>) 1010 is the default IIOP port.</p> <p>Refer the table #unique_33/unique_33_Connect_42_TABLE_VQX_VXL_FRB for details of Outgoing Queue Provider URL to be used for different application servers.</p>
Security Principal	Specify the login ID to access the application server.
Security Credentials	Specify the password to access the application server.

- Click the **Next** button to proceed with the scheduler configuration.

 **Note:**

If you choose '**Internal**' as the '**Notify Queue Location**', this screen is not displayed.

2.1.6 Set Scheduler EMS Properties

This topic explains the Scheduler EMS Properties for the property file creation.

1. Click the **Next** button and the following screen is displayed.

Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler EMS Queue screen is displayed.

Figure 2-15 Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler EMS Queue

No.	Name	Value
1	Incoming Dead Letter Queue Name	EMS_QUEUE_DLQ
2	Incoming backup Queue Name	EMS_QUEUE_BACK
3	Incoming Queue Connection Factory	EmsQcf
4	Secure Incoming Queue Connection	<input type="checkbox"/>
5	Incoming Queue Caller Id	
6	Incoming Queue Caller Password	
7	Outgoing Dead Letter Queue Name	EMS_QUEUE_DLQ
8	Outgoing Queue Connection Factory	EmsQcf
9	Secure Outgoing Queue Connection	<input type="checkbox"/>
10	Outgoing Queue Caller Id	
11	Outgoing Queue Caller Password	
12	Outgoing Queue Provider URL	t3://10.10.10.10:1010
13	Queue Principal	*****
14	Queue Credential	*****
15	Incoming Queue Name	EMS_INQUEUE
16	Outgoing Queue Name	EMS_OUTQUEUE
17	SFMS Incoming Queue	SFMS_INQUEUE
18	RTGS Incoming Queue	RTGS_INQUEUE
19	EMS Bulker Queue	BULKER_QUEUE

Buttons: Exit, Log, Back, Next

2. On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler EMS Queue** screen, specify the fields.

Table 2-9 Property File Creation - Scheduler EMS Queue

Fields	Description
Incoming Dead Letter Queue Name	By default, the EMS_QUEUE_DLQ is set as the incoming dead letter queue name. Retain the same.
Incoming backup Queue Name	By default, the EMS_QUEUE_BACK is set as incoming backup queue name. Retain the same.

Table 2-9 (Cont.) Property File Creation - Scheduler EMS Queue

Fields	Description
Incoming Queue Connection Factory	Specify the name of the incoming connection factory to which EMS listens. You need to create this connection factory in the application server. For details on connection factory creation, follow the steps described for creation of notify connection factories. EmsQcf is given as default value for the incoming queue connection factory.
Secure Incoming Queue Connection	Check this box to indicate that it is a secured queue connection.
Incoming Queue Caller ID	Specify the Caller ID for the secured queue connection.
Incoming Queue Caller Password	Specify the Caller Password for the secured queue connection.
Outgoing Dead Letter Queue Name	By default, the EMS_QUEUE_DLQ is set as outgoing dead letter queue name. Retain the same.
Outgoing Queue Connection Factory	Specify the name of the outgoing connection factory to which EMS listens. You need to create this connection factory in the application server. For details on connection factory creation, follow the steps described for creation of notify connection factories. EmsQcf is given as default value for the outgoing queue connection factory.
Secure Outgoing Queue Connection	Check this box to indicate that it is a secured outgoing queue connection.
Outgoing Queue Caller ID	Specify the Caller Id for the secured queue connection.
Outgoing Queue Caller Password	Specify the Caller Password for the secured queue connection.
Outgoing Queue Provider URL	Specify the URL of the outgoing queue. In case EMS OUT MDB is to be configured to queue, you need to specify the URL for the outgoing provider based on the application server. By default, the Installer displays the outgoing queue provider URL for Oracle WebLogic. This value is application server dependent. Refer the table #unique_33/unique_33_Connect_42_TABLE_VQX_VXL_FRB for details of Outgoing Queue Provider URL to be used for different application servers.
Queue Principal	Specify the Queue Principal. If EMS OUT MDB has to be configured to queue, you need to specify the EMS out queue principal. This is the user name for the application server in which the queue is configured.

Table 2-9 (Cont.) Property File Creation - Scheduler EMS Queue

Fields	Description
Queue Credential	Specify the Queue Credential. If EMS OUT MDB has to be configured to queue, you need to specify the EMS out queue credential. This is the password for the above user name created for the application server in which the queue is configured.
Incoming Queue Name	Specify the Incoming Queue name for which EMS is configured. By default, the EMS_INQUEUE is specified.
Outgoing Queue Name	Specify the Outgoing Queue name for which EMS is configured. By default, the EMS_OUTQUEUE is specified.
SFMS Incoming Queue	Specify the SFMS Incoming Queue for which EMS is configured. . By default, the SFMS_INQUEUE is specified.
RTGS Incoming Queue	Specify the RTGS incoming Queue for which EMS is configured. By default, the RTGS_INQUEUE is specified.
EMS Bulker Queue	Specify the Bulker Queue name. By default, the BULKER_QUEUE is specified. Retain the same. So that in fcubs.properties file, EMS_BULKER_QUEUE field, gets updated to BULKER_QUEUE value.

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

2.1.7 Set EMS FTP/FTPS Properties

This topic explains the EMS FTP/FTPS properties.

1. Click the **Next** button and the following screen is displayed.

Oracle FLEXCUBE Universal Installer - Property File Creation - EMS FTP/FTPS screen is displayed.

Figure 2-16 Oracle FLEXCUBE Universal Installer - Property File Creation - EMS FTP/FTPS

Oracle Banking Installer

Property file Creation - EMS FTP/FTPS
Option for Scheduler EMS FTP/FTPS configuration

No.	Name	Value
1	File TranferMode FTPS	SFTP
2	Server	10.10.10.10
3	User Id	OFSS
4	Password	*****
5	KnownHost file local folder path	/mnt/ems/SFTP/
6	KnownHost file server folder path	/mnt/ems/SFTP/
7	File Type	.txt
8	SWIFT Format	1
9	SWIFT Message Delimiter	<input checked="" type="checkbox"/>
10	SWIFT Message Terminator	<input checked="" type="checkbox"/>
11	MEDIA	SWIFT

Option for EMS -Structured Financial Messaging System configuration

No.	Name	Value
1	Signature Block	<input checked="" type="checkbox"/>
2	Keystore File Name	/keystore
3	Keystore Alias name	*****
4	Keystore Password	*****

Exit Log Back Next

- On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler EMS Queue** screen, specify the EMS FPT/FTPS fields.

Table 2-10 Property File Creation - EMS FTP/FTPS Configuration

Fields	Description
File Transfer Mode FTPS	Specify the mode of transferring files to EMS. Enter one of the following: <ul style="list-style-type: none"> • FTPS (FTP over SSL) • SFTP(Secure FTP) • HTTP(Hyper Text Transfer Protocol) <div> Note: FTP is File Transfer Protocol. </div>
Server	Specify the server IP address for the selected file transfer mode.
User Id	Specify the User Id to access the server of the file transfer mode.
Password	Specify the password to for the above User Id.

Table 2-10 (Cont.) Property File Creation - EMS FTP/FTPS Configuration

Fields	Description
Known Hosts Local Folder path	Specify the local path for knownhosts file generation. This is required only when the File transfer mode is SFTP.
Known Hosts server folder path	Specify the server path for knownhosts file pick-up. This is required only when the File transfer mode is SFTP. Please copy the generated knownhosts file to the given server path.
File Type	Specify the type of file that is transferred. By default, the Installer sets it as .txt .
SWIFT Format	Specify the SWIFT format.
SWIFT Message Delimiter	Specify the character which is used as the message delimiter.
SWIFT Message Terminator	Specify the character which is used as the message terminator.

3. On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler EMS Queue** screen, specify the EMS- Structured Financial Messaging System configuration fields.

For more information, refer the field description table.

Table 2-11 Property File Creation - EMS Structured Financial Messaging System

Fields	Description
Signature Block	Check this box to enable signature block.
Keystore File Name	Specify the keystore file name.
Keystore Alias Name	Specify the keystore alias name.
Keystore Password	Specify the keystore password.

4. Once you have specified the above details, click the **Next** button and the system displays the next screen.

2.1.8 Set Scheduler BIP/GI Upload Queue Properties

This topic explains the BIP/GI Upload Queue properties.

1. Click the **Next** button and the following screen is displayed.

Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler BIP/GI Upload Queue screen is displayed.

Figure 2-17 Oracle FLEXCUBE Universal Installer - Property File Creation - Scheduler BIP/GI Upload Queue

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

Oracle Banking Installer

Property File Creation - Scheduler GI Upload Queue
Option for configuring details for Scheduler GI Upload Queue

Queue Name: INTERNAL_GI_UPLOAD_QUEUE

Dead Letter Queue Name: INTERNAL_GI_UPLOAD_DLQ

Queue connection factory: GI_UPLOAD_QCF

☒ Secure Caller ID:

Caller Password:

Exit Log Back Next

2. Once you have specified the above details, click the **Next** button, and the system displays the next screen.

2.1.9 Set Reports details

This topic explains the BI Publisher properties.

1. Click the **Next** button and the following screen is displayed.

Oracle FLEXCUBE Universal Installer - Property File Creation - Reports screen is displayed.

Figure 2-18 Oracle FLEXCUBE Universal Installer - Property File Creation - Reports

No.	Name	Value
1	Server End Point	http://10.10.10.10:1010/xmlpserver/services/v2/ReportService?wsdl
2	Name Space	http://xmlns.oracle.com/oxp/service/PublicReportService
3	User Name	Administrator
4	Password	*****
5	Time Zone	IST

- On the **Oracle FLEXCUBE Universal Installer - Property File Creation - Reports** screen, specify the Publisher Properties fields.

This table will be enabled only if REPORTS_ENABLED plug-in is selected.

Table 2-12 Property File Creation - Reports - BI Publisher Properties

Fields	Description
Server End Point	Specify the end point http://whf00blq:9502/xmlpserver/services/v2/ReportService?wsdl . However, you need to change the IP and port where BIP Application is installed. WSDL URL gets modified based on "BIP Server Version" on selecting the required version from the dropdown.
Name Space	Specify the name space. By default, the installer displays http://xmlns.oracle.com/oxp/service/PublicReportService
User Name	Specify the BIP user name. By default, the Installer displays Administrator .
Password	Specify the password for the above user name. By default, the Installer sets it as Administrator .
Time Zone	Specify the time zone of the Reports server.

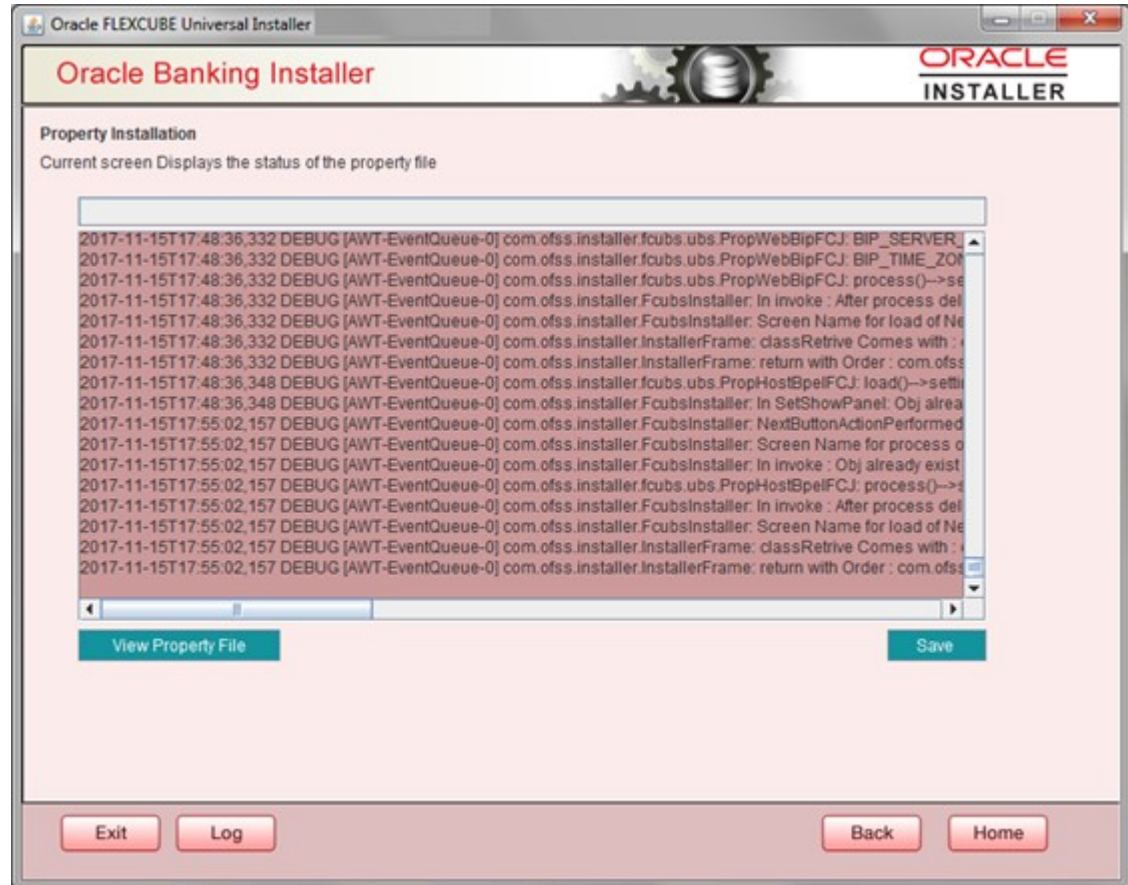
2.1.10 Save Property File

This topic explains to save the property file.

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

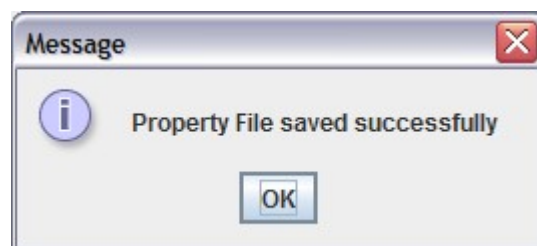
1. Save the property file.

Figure 2-19 Oracle FLEXCUBE Universal Installer - Property Installation



You can view the status of property file creation on the above screen. Once the file is saved, the installer displays the following message:

Figure 2-20 Message



This completes the properties file creation. Along with the property file creation, env.properties file is also generated in \INSTALLER\SOFT\GUI\logs path and will be automatically copied to \INSTALLER\SOFT\logs folder.

**Note:**

Env.properties file parameters get updated during every property file creation (like FCUBS, Gateway, Scheduler, etc.). After Property file creation, proceed with respective EAR build and then proceed with other components property file creations and build.

Also OracleIPMAdapter.properties are generated in same path as fcubs.properties when the IPM plugin has been enabled.