Installer Property File Creation Oracle FLEXCUBE Universal Banking Release 14.7.1.0.0 Part No. F77194-01 [May] [2023]



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1. Creating Property File for Oracle FLEXCUBE Installer

1.1 Introduction

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

1.2 Creating Property File

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

 Launch 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

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] @@@@@@JAWAHOME NOT DEFINED@@@@@ Enter JAWA HOME Directory:C:\\Program Files\\Java\\jdk1.8.0_111 JAWA_HOME has been set Initializing the errorLevel to 0
Checking Java Home Java Home Path has been set sucessfully.
COCORACLE HOME NOT DEFINEDCOC Enter Oracle Home Directory:C:\\app\\client\\rnulu\\product\\12.1.0\\client_1 Oracle Home set Oracle Home set succesfully 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
Checking logs Folder Current Folder
-adast this InstallationShipment "EXEC" Inside Checking APPSERUER HOME appserverhome
@@@@@@APPSERVER HOME NOT DEFINED@@@@@@ Enter APPSERVER HOME Directory:C:\\Oracle\\Middleware\\Oracle_Home\\wlserver_

- 2. In the first screen, provide the following details:
 - i. JAVA HOME PATH

Provide the JDK home path with the latest version.

ii. ORACLE HOME PATH



Provide the Oracle 12C Client Path.

iii. APP SERVER HOME PATH

Provide the app server home path

After providing these details, INSTALLER-GUI gets started. And follow the below details. Ensure the Pre-requisites are available.

Oracle FLEXCUBE Unive	rsal Installer		
Oracle Bank	ing Installer		
Welcome To Oracle Uni	versal Banking Installer		
Prerequisites			
 Oracle Databa JDK should b 	ase should be installed. e installed.		
Please specify the JDK a	ind Oracle Home path.		
JDK Path	C:/Program Files/Java/jdk1.8.0_131	Browse	
Oracle Home Path	D:/app/dandredd/product/11.2.0/client_1	Browse	
Please select any one o	f the below options:		
	Property File creation		
	Utilities		
Exit	og		Next

3. Enter the following details

JDK Path

Maintain Home folder path of JDK. The JAVA HOME path given in previous screen gets defaulted.

Oracle Home

Maintain home folder path of Oracle Database Client. The ORACLE HOME path given in previous screen gets defaulted.

Select one of the radio buttons

a) Property File creation

b) Utilities

Based on the selection, Next screen will be shown. Click Property File creation for the current case.

4. Click 'Next' and the following screen is displayed.



Soracle FLEXCUBE Universal Installer 12.5.0.0.0	- 🗆 X			
Oracle Banking Installer				
Select one of the Components				
Load Existing Property File	Browse			
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 10.10.10.10 1010 Origination Scheduler Standalone				
Reports 10.10.10.10 1010 SIANET Adapter				
DMS 10.10.10.10 1010 Insulation External Adapter required				
Exit Log Back	Next			

- 5. Select the component for which property file is to be created.
 - a) INFRA is for FCUBS property file creation .To create property file for Scheduler or Gateway or Switch Interface Installation, please refer the respective property file creation document.
- 6. Select the required Product Processors to make respective property files.
 - a) Oracle Financial Universal Banking product processor contains 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 proper option. Oracle FLEXCUBE Enterprise Limits and Collateral Managements can be selected as individual application or along with Oracle Financial Universal Banking. Also External 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 individual application or along with Oracle Financial Universal Banking.
 - e) Open Development Tool (ODT) can be selected to install ODT, that 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.
- 7. In the screen below, select the Plugins to be included in the application.
- 8. If you need to modify an existing property file, load it using the respective browse button.

Plugins will be enabled and disabled based on the combination of Product Processors and components selected.

These are the plugins available

- o Scheduler
- o Reports
- DMS(Document Management System)
- o Insulation

You can load existing property-file to make any modifications .

9. Click 'Next' again and the following screen is displayed:

🛓 Oracle FLEXCUBE Universal Installer				
Oracle Banking Insta	ller	INSTALLER		
SMS Schema Details				
Name	Value			
Username	FCUBSTEST			
Password	•••••			
Service Name	FCTOOLSNEW			
IP Address	10.184.132.72			
Port	1521			
TNS Connect Descriptor	FCTOOLSNEW	Test Connection		
	JNDI Name IdocrcjdevDS	Compile in All Entities		
Username	FCUBSTEST			
Password	•••••	—		
Service Name	FCTOOLSNEW			
IP Address	10.184.132.72			
Port	1521	Test Connection		
TNS Connect Descriptor	FCTOOLSNEW			
Prev	Next			
Exit Log		Back		



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

Once the connection is successfull env.properties file present in path INSTALLER \rightarrow SOFT \rightarrow GUI \rightarrow logs \rightarrow env.properties will get updated with schema details in encrypted format.

If the target database is Autonomous Database then IP and PORT must be blank.

For Multi-Entity Details →

Scenario for Single Entity:

- Here Entity Schema is mandatory, atleast minimum one entry should be provided.
- Entity Id value is default i.e. 'ENTITY_ID1' for first entry.
- Provide the JNDI Name for the ENTITY_ID1. By default the jndi name is 'jdbc/fcjdevDS'
- Give the Schema Details for the Entity1.
- Here Compile In All Entities Field is 'N'. (As using the Single Entity Concept).

Scenario for More than One Entity, i.e. Multi Entity :

- After providing the Single Entity details, click on '+' Add the rows.
- Now give the details for Entity_ID2. Here the field is mandatory.
- Provide the schema details and the JNDI name.
- Next and Prev button is to traverse for entity screens.
- Can also add the entites and delete the entities.
- 10. Click on 'Test Connection' button. After Successful connection click on 'Next' button to proceed and below Screen occurs. This Screen displays database parameters listed in v\$parameter table.

This page is Read only used as reference to know the database parameters.

Schema drop down list is provided to verify parameters of SMS and Entity Schemas.



실 Oı	🛃 Oracle FLEXCUBE Universal Installer					
	Oracle Banking Installer					
			145		IN	STALLER
Da	itaba	ase Installation				
Т	ie e	crean displays the parameters to be configured in v\$n	aramatar tabla Sch	ema	SMS_SCH	-
	13 3	cieen displays the parameters to be conlighted in vap			SMS SCHEMA	
S	i.No	Parameter	Current Value	Expect	ENTITY_ID1	
1		_optimizer_connect_by_cost_based		FALSE	4	
2		_allow_level_without_connect_by		TRUE		
3		_unnest_subquery		FALSE		
4		_hash_join_enabled		FALSE		
5		ALWAYS_SEMI_JOIN		NESTED_LO	OPS	
6		_optimizer_cost_based_transformation		off	=	=
7		audit_trail	DB	NONE		
8		blank_trimming	FALSE	TRUE		
9		cursor_sharing	EXACT	FORCE		
1()	cursor_space_for_time	FALSE	FALSE		
11	1	nls_date_format		DD-MON-RR	RR	
12	2	optimizer_index_caching	0	90		
13	3	optimizer_index_cost_adj	100	50		
14	4	optimizer_mode	ALL_ROWS	ALL_ROWS		
1:	5	parallel_adaptive_multi_user	TRUE	FALSE		
16	6	parallel_automatic_tuning	FALSE	FALSE		
<u> </u>						
	Exit Log Back Next					
	_					

11. Click on '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.

Schema drop down lists SMS and Entity Schemas. Select Schema and proceed further.



Oracle Banking Installer Database Installation This screen displays the Grants provided to the schema. Schema SMS_SCH ▼ SMS_SCHEMA SMS_SCHEMA S.No Grant Privilege Required Grant ENTITY_ID1 1 CREATE SESSION Y 2 SELECT ON DBA_JOBS						
Database Installation This screen displays the Grants provided to the schema. SMS_SCH ▼ SMS_SCHEMA S.No Grant Privilege Required Grant ENTITY_ID1 1 CREATE SESSION Y 2 SELECT ON DBA_JOBS Y	TALLER					
Skema SMS_SCH S.No Grant Privilege Required I CREATE SESSION 2 SELECT ON DBA_JOBS	Database Installation					
S.No Grant Privilege Required SMS_SCHEMA 1 CREATE SESSION Y 2 SELECT ON DBA_JOBS Y						
S.No Grant Privilege Required Grant Lettinit_of 1 CREATE SESSION Y 2 SELECT ON DBA_JOBS Y						
1 CREATE SESSION Y 2 SELECT ON DBA_JOBS Y						
2 SELECT ON DBA_JOBS Y						
3 SELECT ON DBA_JOBS_RUNNING Y						
4 SELECT ON V_\$DATABASE Y						
5 SELECT ON V_\$NLS_PARAMETERS Y						
6 SELECT ON V_\$PARAMETER Y						
7 SELECT ON V_\$PROCESS Y						
8 SELECT ON V_\$SESSION Y						
9 SELECT ON V_\$TIMER Y						
10 SELECT ON V_\$INSTANCE Y						
11 CREATE DATABASE LINK Y						
12 CREATE LIBRARY Y						
13 CREATE MATERIALIZED VIEW Y						
14 CREATE PROCEDURE Y						
15 CREATE SEQUENCE Y						
16 CREATE SYNONYM Y						
Generate Report						
Exit Log Back Next						

12. Click '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

You can use this file to get the access.

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

13. Click 'Next' again and the following screen is displayed:



🕌 Oracle FLEXCUBE U	Grade FLEXCUBE Universal Installer 12.5.0.0.0 - ○				
Oracle Banking Installer					
Provide Environment	details.				
EAR Name	FCUBS				
Context Name	FCJNeoWeb				
File Seperator Style	Linux	•			
Application Server	Weblogic	▼			
External JSUIXML R	equired	OBMA PP Installed			
External PropertyFile	e Required				
Application Server Path		C:/Oracle/Middleware/wlserver	Browse		
Source Path		C:\FCUBS_145\EXEC_14.6\FCUBS_14.6\FCUBS_14.6.0.0.0	Browse		
Ear Destination Path		C:\FCUBS_145\EXEC_14.6\FCUBS_14.6\FCUBS_14.6.0.0.0	Browse		
External JSUIXML Pat	th		Browse		
External PropertyFile	Path		Browse		
Cookie-Name (JSESSION_ID)					
Exit	Log		Back Next		

EAR Name

Specify a name for the Application to be deployed.

You cannot use special characters such as '.' (Dot), ',' (comma), '\$' etc. However, you may use '_' (underscore). – Applicable for both Windows and Linux.

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'.

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

Specify whether screen changes will be deployed as External JSUIXML for the application.



EXTERNAL_JSUIXML_REQUIRED=Y/N: Depending on requirement

EXTERNAL_JSUIXML_REQUIRED=N: JS and UIXML files are included inside the application EAR.

EXTERNAL_JSUIXML_REQUIRED=Y: JS and UIXML and HELP files are kept in an external path in the application server.

External Property File Required

Specify whether screen changes will be deployed as External fcubs.properties for the application.

EXTERNAL_PROPERTY_PATH_REQUIRED =Y/N: Depending on requirement

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.

External property file path should have the property file name also with it.

For example: C:\App\fcubs.properties

Application server path

Provide the Application Server Path.

Source Path

Provide the source path of the console exec directory. (Mention exact folder name after unzip 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 Property File Path

In case External Property File required option is checked, External Property File path on the application server machine has to be specified here.

14. Click 'Next' to continue and following screen is displayed:



Oracle FLEXCUBE Universal Installer		
Oracle Banking Installer		
Property File Creation		
Release	KERNEI	
Release	MERCINE V	
Hashing Algorithm Iteration Count	10000	
Security Key for Encryption Logic	oraclefinancials	
Exit Log		Back Next

Release

Specify the release in which you are creating the property file. Default Option would be 'KERNEL'. The options are:

- KERNEL
- MX Cluster

Specify the Hashing algorithm iteration count. By default it is 1000.

'Security Key for Encryption Logic' is the key (exact 16 characters) for all encryption logic. By default is 'oraclefinancials'.

OBMA PP is installed.



1.2.1 Custom Installation

Oracle FLEXCUBE Universal Inst	taller 12.5.0.0.0	- 🗆 X	
Oracle Banking I	Oracle Banking Installer		
Property File Creation - Dat	aSource		
Please enter DataSource N	ames		
SMS Data Source	jdbc/fcjdevDSSMS		
Scheduler Data Source	jdbc/fcjSchedulerDS		
PM Online JNDI	jdbc/fcjpmDS		
PM Batch JNDI	jdbc//cjpmDS		
Webservices Provider URL	t3://localhost:7001/		
Host Server URL	https://10.10.10.10.10/FCJNeoWeb		
Standalone Scheduler URL	https://10.10.10.10.7001/FCJNeoWeb		
Exit Log		Back Next	

- 1. Please enter Data sources required which will be asked as per the product, Plug-in and Component combinations chosen in the first screen.
- 2. Sms Datasource will be always enabled as it is required for most of the cases.
- 3. PM related datasources will be enabled for PM product processor.
- 4. Host Server is the server where FCUBS application is deployed/to be deployed.
- 5. Standalone scheduler URL will be enabled is Standalone option is selected.

Click next to proceed to the next screen.

1.2.2 Setting General Properties

This section describes the process of setting common properties of Oracle FLEXCUBE Payments.

The installer displays the 'General Property' screen.



📓 Oracle FLEXCUBE Universal Installer 12.5.0.0.0 – 🗆 🗙				
Oracle Banking Installer				
Property File Creation	General Property			
Debug Logs Required	No CV Fetch Required	External LOV Required		
Work Area Signature Path Excel Path	(BrnDbgs/ (BrnDbgs/ (BrnDbgs/	Auto clear User YES	•	
Request Time Out Connection Time Out Session Time Out	1800000 milli seconds 3600 Seconds 1800 Seconds	Max Image Size 1048576 User Batch Time 0	Bytes Hours	
CSS Style	Default 🗸	Name Flexblue		
Language	ENGLISH	ISO Code en		
Application Title	FLEXCUBE UBS	Integration With ODA ChatBot		
Version	12.5.0.0.0	Integration with CN Logger		
CopyRights	Copyright © 2017,2018, Oracle and/or its affiliates. All r	ights reserved.		
Exit	g	Back	Next	

Specify the following details:

Debug Logs Required

If debug option is required, select 'Yes' from the drop-down list. If not required, select 'No'. By default the value is 'No'.

Note:

Parameter APPLICATION_WORK_AREA in fcubs.properties will be updated to "Work Area" path provided during installation.

Parameter DEBUG will be updated based on "Debug Logs Required" selection.

To log debug for the user, following should be available.

 \cdot In Day 0 Setup 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.

Example: If SM module log is enabled for the user, then there should be an entry in cstb_debug_users.

Table: CSTB_DEBUG_USERS (User Level)

Module	Debug	User ID
SM	Y	XYZ

Table: CSTB_DEBUG (Bank Level)



Module	Debug
SM	Y

All the configuration will be done using back-end scripts, which can be executed by Data Controller.

Snapshot of 'fcubs.properties' is displayed below:

```
##### COMMON PROPERTIES #####
APPLICATION_NAME=FCJ
APPLICATION_EXT=FCROFC
APPLICATION_SERVER=WL
APPLICATION_WORK_AREA=/scratch/work_area/DEV/FC125R2/APPLOGS
DEBUG=Y
SSL_ENABLED=Y
OPSS_AVAILABLE=N
BRANCH_CENTRALIZED=Y
REQUEST TIME OUT=1800000
```

Change Logs can be visited to view audit information.

LOV Fetch Required

If you check this box, the option lists in Oracle FLEXCUBE 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 are matching the first three characters.

If you do not check this, option lists does not show the matching values based on the first few characters. You need to specify the complete value against the field.

External LOV Required

If you check this box, External Lov option for external Limits in FLEXCUBE will be enabled.

Work Area

Specify the work area.

For example: D:\BrnDbgs\

Signature Path

Specify the location at which the signature images should be placed.

Excel Path

Specify the location at which the excel files should be generated.

Request Time Out

Specify the database request timeout value in milli seconds. This is the maximum number of seconds the database waits for a query to return the result.By default it is 1800000 milli seconds.



Connection Time Out

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.

Session Time Out

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 expire.

Max Image Size

Specifies the maximum image size that can be uploaded. The default size is 1048576 bytes.

CSS Style

Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:

- Default select this to apply the default style provided along with Oracle FLEXCUBE
- Custom select this to apply a custom style

Name

Specify the name of the CSS style.

Once you have specified the above details, click 'Next'

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 ChatBot guide document.

1.2.3 Setting Single Sign on

🙆 Oracle FLE)	🗟 Oracle FLEXCUBE Universal Installer 12.5.0.0.0 – 🗆 🗙					
Oracle	e Banking Installer					
Pro	perty File Creation - Single Sign	on				
SS(SSC	O Required	₽ DN		SSO Type	EFAULT	
Auti	hentication details maintained ex ernal Password Required	ternal to FL	EXCUBE Auth	entication Type	OKEN SAML DCS_TOKEN	
Exte	ernal User Login Required	Platf	orm Security	SMS Security Key	oraclefinancials	
Opt	ion to provide LDAP server deta	ils				
No	o. Name			Value		
No.	D. Name		LDAP://10.10.1	Value 0.10:111		
1 2	LDAP SERVER URL	TYPE	LDAP://10.10.	Value 0.10:111		
1 2 3	Name LDAP SERVER URL LDAP SSL ENABLED SECURITY AUTHENTICATION DOMAIN MAKE	I TYPE	LDAP://10.10.1	Value 0.10:111		
No 1 2 3 4 5	Name LDAP SERVER URL LDAP SSL ENABLED SECURITY AUTHENTICATION DOMAIN NAME LDAP SERVER TIMEOUT	I TYPE	LDAP://10.10.1 Simple flexcube.com	Value 0.10:111		
No 2 3 4 5 Opt	A A	ITYPE	LDAP://10.10.1 Simple flexcube.com 0	Value 0.10:111		
No 1 2 3 4 5 0pt	Name LDAP SERVER URL LDAP SSL ENABLED SECURITY AUTHENTICATION DOMAIN NAME LDAP SERVER TIMEOUT to provide SAML details Name	I TYPE	LDAP://10.10. Simple flexcube.com 0	Value 0.10:111 Value Value		
No 1 2 3 4 5 0 0 0 1	A A	I TYPE	LDAP://10.10. Simple flexcube.com 0	Value 0.10:111 Value KL_Implementation	TestFiles\cert\certstore\b	
No 1 2 3 4 5 0pt 1 2	A A	I TYPE	LDAP://10.10.1 Simple flexcube.com 0	Value 0.10:111 Value KL_Implementation	TestFiles\cert\certstore\b.	
No 1 2 3 4 5 0pt 1 1 2 3	A A	I TYPE	LDAP://10.10.1 Simple flexcube.com 0 D:\Security\SA barc	Value 0.10:111 Value Value	TestFiles\cert\certstore\b.	
No 1 2 3 4 5 0pt 1 1 2 3 4	A A	I TYPE	LDAP://10.10.1 Simple flexcube.com 0 D:\Security\SA barc bPAID_BWSIT	Value 0.10:111 Value ML_Implementation	TestFiles\cert\certstore\b.	

Specify the following details:

SSO Required

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

SSO Type

This is disabled. This is enabled on selecting SSO Required Flag.Specify the SSO Type from the list of following:

(i) DEFAULT

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:

• 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

(ii) TOKEN

This option needs to be selected if Custom implementation is required for SSO authentication in the application's

Select this option to invoke AuthenticateCustomToken.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.

Note: 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.

(iii) SAML

By default, 'DEFAULT' optionis selected; however, you can change it.

IF SAML is selected, SAML details table below will be enabled .Please enter SAML details such as Certificate Path, password, alias and valid audience.

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.

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.

Note: After the successful SAML validations, the application will allow you to log in with the userID sent in the SAML request.

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 ofs <u>CommonCore_SMS</u>

(iv) IDCS Token:

This option needs to be selected if Oracle Identity Cloud Service(IDCS) is used as the Identify & Access management system in cloud deployments.

SSO Signoff Configurations:

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.



1. SSO_SIGNOFF_URL:

The External SSO logout URL which needs to be invoked after application logoff needs to be configured here. Example: https://<host>/oam/server/logout"

2. SSO_SIGNOFF_POST_RD_URL :

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"

3. SSO_REQ_PARAM_KEYS:

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"

Gracle FLEXCUBE Universal Installer 12	5.0.0.0	- 🗆 X
Oracle Banking Insta	ller	
SSO Sign Off Configurations		
SSO Sign Off Required		
SSO SIGNOFF URL	/cloudgate/logout.html	
SSO SIGNOFF POST RD URL	FCJNeoWeb	
SSO REQ PARAM KEYS	remote_user,idcs_user_assertion	
Exit Log		Back Next

Note: 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.

SSO KEY

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'



If you have checked the box 'SSO required', the Installer skips the following two screens and directly navigate to the SSL screen shown below in this manual.

If you have not checked the box 'SSO required', then on clicking the 'Next' button, the screen for enabling SSL options is displayed:

External Password Required

Check this box to allow the user-login using MSAD/LDAP password irrespective of the user ID. If you check this box, the user ID can be either the MSAD/LDAP/ user ID or the FCUBS user ID. And the password can be MSAD/LDAP/ server password only.

If LDAP is selected, table related to LDAP will be enabled .Please enter LDAP server URL,SSL enabled,Security authentication type,Domain Name and LDAP Server timeout details.

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

External User Login Required

Check this box to enable user login using MSAD/LDAP/ user ID. If you check this box, the user can login using MSAD/LDAP/ server user ID as well as using FCUBS user ID.

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

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

Authentication Type' is enabled if one of the above check boxes is checked.

Authentication Type

Select the authentication type from the adjoining drop-down list. This is the type of external server that is used for authentication. This option is enabled only when External Password Required checkbox is checked. You can select one of the following options:

- MSAD (Microsoft Active Directory)
- LDAP (Lightweight Directory Access Protocol)

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

Specify the following details.

Platform Security

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.

SMS Security Key

This field is used to capture the security key value if the Platform Security check box is checked.

SSL Enabled

SSL Enabled is checked by default.

Click 'Next' and the next screen gets displayed.

1.2.4 Property File Creation - SMTPS/DMS

This section describes the method to configure email details and SMTPS/DMS properties whichever is required.

The following screen is displayed:

🕌 Ora	acle FLEXCUBE Universal Installer 12.5.0	.0.0	- 🗆 X
0	racle Banking Installe	r <u> </u>	
Prope	erty File Creation - SMTPS/DMS		
Optior	n for Mail configuring using SMTPS Pr	otocol	
No.	Name	Value	
1	Host	samplename.mail.com	
2	Userld	infra	
3	User Password	•••••	
4	JNDI Name	mail/FCUBSMail	
Option	n 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	Bac	k Next
	LAN	Bac	

For SMPTS protocol, specify the following details.

Host

Specify the SMTP host name.

User ID

Specify the user ID.



User Password

Specify the user password.

JNDI Name

Specify the JNDI name.

DMS/IPM Properties →

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

Specify the following details:

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).

Document Content Service Address

This is the URL to which the Oracle IPM adapter uploads the documents (OracleIPM11G.DocumentConetntService.EndpointAddress).

Example for Login Service Address:

Weblogic: http://10.10.10.10.1010/imaging/ws/LoginService

In the ablove url replace LoginService with DocumentService and DocumentContentService 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 HTTP session to be maintained or not (OracleIPM11G.MaintainSession).

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

1.2.5 Configuring Scheduler

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



This section describes the method to configure scheduler data source.

1. System displays the following screen:

Soracle FLEXCUBE Universal Installer	
Oracle Banking Installer	
Property File Creation - Scheduler Queues	
Option for configuring Scheduler Destination Queue	Option for configuring Scheduler Deferred Queue
Notify Destination	Notify Deffered Queue Name DEFFERED_DEST_QUEUE
Queue Connection Factory NotifyDestQCF	Deffered Queue Connection Factory DefferedDestQCF
Secure Caller ID	Caller Password
Caller Password	
Notify Queue Location	
Option for configuring Scheduler Notify Internal Queue	Option for configuring Log Rotation Interval
Notify Queue Name NOTIFY_QUEUE	Scheduler Log Rotation Interval WEEKLY
Dead Letter Queue Name NOTIFY_QUEUE_DLQ	Option for External Server configuration for Destination Queue.
Notify Queue Connection Factory NOTIFY_MDB_QCF	No. Name Value
Secure Caller ID	1 Provide Url iiop://localhost.1010
Caller Password	2 Security Principal ••••••
	3 Security Credential
Exit Log	Back Next

Specify the following details:

Scheduler Log Rotation Interval

Select the interval between each rotation of scheduler log. Given options are – DAILY, WEEKLY and MONTHLY.

Notify Destination

Specify the notify destination. Select one of the following options:

- 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 as shown in the following screen.

Specify the following details:

Notify Deffered Queue Name

Set 'DEFFERED_DEST_QUEUE' as the notify differed queue name.

Deffered Queue Connection Factory

Set 'DefferedDestQcf' as the deffered queue connection factory.

Secure

Check this box to indicate that it is a secured deffered queue connection factory. If you check this box, you will be prompted to enter the caller ID and caller password

Specify the following details:

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 as shown in the following screen.

Notify Queue Location

Specify the notify queue location. Select one of the following options:

- Internal
- External

For Oracle WebLogic application server, the notify queue location should be selected as 'Internal'.

If you choose 'External' following details for the external queue will be enabled

Provider URL

Specify the provide URL (iiop://localhost:1010).

1010 is the default IIOP port.



Application Server	EMS Out Initial Context Factory
Oracle WebLogic	t3:// <ip_adress>:port For example: t3://10.10.10.10:1010</ip_adress>
	Here, 10.10.10.10 represents the local host and 1010 to the target server default port (AdminServer/ManagedServer).

Security Principal

Specify the login ID to access the application server.

Security Credentials

Specify the password to access the application server.

Click 'Next' to proceed with scheduler configuration.

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

1. Click 'Next' and the following screen is displayed:

1.2.6 Setting Scheduler EMS Properties

Oracle FLEXCU	BE Universal Installer		– 🗆 X		
Oracle Banking Installer					
Property File (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				
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				
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			
Exit	Log		Back Next		

Specify the following details:



Incoming Dead Letter Queue Name

By default 'EMS_QUEUE_DLQ' is set as the incoming dead letter queue name, retain the same.

Incoming backup Queue Name

By default 'EMS_QUEUE_BACK' is set as incoming backup queue name, retain the same

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 '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 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.

The details of Outgoing Queue Provider URL to be used for different application servers are given below:

Application Server	EMS Out Initial Context Factory
Oracle WebLogic	t3:// <ip_adress>:port For example: t3://10.10.10.10:1010</ip_adress>
	Here, 10.10.10.10 represents the local host and 1010 to the target server default port (AdminServer/ManagedServer).

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.

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 application server in which the queue configured.

Incoming Queue Name

Specify the incoming queue name for which EMS is configured.By default EMS_INQUEUE is specified.

Outgoing Queue Name

Specify the outgoing queue name for which EMS is configured. By default EMS_OUTQUEUE is specified.

SFMS Incoming Queue

Specify the SFMS Incoming Queue for which EMS is configured. . By default SFMS_INQUEUE is specified.

RTGS Incoming Queue

Specify the RTGS incoming Queue for which EMS is configured. By default RTGS_INQUEUE is specified.

EMS Bulker Queue

Specify the Bulker Queue name. By default**BULKER_QUEUE** is specified, retain the same. So that in fcubs.properties file, EMS_BULKER_QUEUE field gets updated to '**BULKER_QUEUE**' value.



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

1.2.7 Setting EMS FTP/FTPS Properties

Ora	acle Banking Install	er		ORACLE 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				
3	Userid	OFSS				
4	Password	•••••				
5	KnownHost file local folder path	/mnt/ems/SFTP/				
6	KnownHost file server folder pat	h /mnt/ems/SFTP/	=			
7	File Type	.txt				
8	SWIFT Format	1				
9	SWIFT Message Delimiter					
10	SWIFT Message Terminator					
11	MEDIA	SWIFT	-			
Option	n for EMS -Structured Financial Me	essaging System configuration				
1	Signatura Block					
2	Kovetore File Name	l'evetere	T			
2	Kevetore Aliae name					
3	Keystore Password					
E	Exit Log Back Next					

Specify the following details:

File Transfer Mode FTPS

Specify the mode of transferring files to EMS. Enter one of the following:

- FTPS (FTP over SSL)
- SFTP(Secure FTP)
- HTTP(Hyper Text Transfer Protocol)

Note – FTP is File Transfer Protocol

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.



Known Hosts Local Folder path

Specify the local path for knownhosts file generation. This is required only when File transfer mode is SFTP.

Known Hosts server folder path

Specify the server path for knownhosts file pick-up. This is required only when 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.

Once you have specified the above details,

Specify the EMS- Structured Financial Messaging System configuration details:

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.

Once you have specified the above details, click 'Next' and system displays the next screen



1.2.8 Property file Creation- Scheduler GI Upload Queue

Oracle FLEXCUBE Universit	l Installer 12.5.0.0.0	
Oracle Bankin	g Installer	
Property File Creation - Sc Option for configuring detai	heduler Gi Upload Queue Is 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		
E 10		Pack Novi

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



1.2.9 Setting Reports details

Orac	le FLEXCUBE Universal Inst	aller 12.5.0.0.0	- 🗆 🗙
Ora	acle Banking II	nstaller	
Prope	erty File Creation - Report	S	
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	
ŧ.	Password	•••••	
5	Time Zone	IST	
_	<u></u>		uck Novet

For Reports properties,

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

Specify the following details:

Server End Point

Specify the end point.

<u>http://whf00blq:9502/xmlpserver/services/v2/ReportService?wsdl</u>. However, you need to change the IP and port where Application is installed. WSDL URL gets modified based on "Server Version".

Name Space

Specify the name space.

By default, the installer displays 'http://xmlns.oracle.com/oxp/service/PublicReportService'.



User Name

Specify the 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.

1.2.10 Saving Property File

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

1. Save the property file.

Oracle FLEXCUBE Universal Installer	- 🗆 🗙
Oracle Banking Installer	
Property Installation Current screen Displays the status of the property file	
2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: BIP_SERVER_ 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: BIP_TIME_ZOT 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: process)>se 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: process)>se 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: process del 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBeIFCJ: load of Ne 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.Installer.frame: classRetrive Comes with : o 2017-11-15T17:48:36,332 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: load)>settii 2017-11-15T17:48:36,348 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: load)>settii 2017-11-15T17:48:36,348 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: load)>settii 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: load)>settii 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: process o 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: process o 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: process o 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: process ()>s 2017-11-15T17:55:02,157 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropHostBpeIFCJ: process	
Exit Log Back Ho	ome

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



Message		
i	Property File saved successfully	
	ОК	

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 gets 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 is generated in same path as fcubs.properties when IPM plugin has been enabled.





Installer Property File Creation [May] [2023] Version 14.7.1.0.0

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