## FCUBS EAR Building Oracle FLEXCUBE Universal Banking Release 12.1.0.0.0 [October] [2015]



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# 1. Building Application for Setup

The process of building EAR files includes the following steps:

- Load property file
- Copy sources
- Compile sources
- Build sources

To build the application for setup using the installer, follow the steps given below:

- 1. Double-click 'FCUBSInstaller.bat' batch file to launch Oracle FLEXCUBE Universal Installer. The following screen is displayed.
- 2. Click 'Next' and the following screen is displayed:

Soracle FLEXCUBE Universal Installer	_ <b>_ X</b>
Oracle FLEXCUBE Universal Banking	ORACLE
Welcome To Oracle FLEXCUBE Choose Oracle FLEXCUBE Application to be installed.	
Cracle FLEXCUBE     Oracle FLEXCUBE     Oracle FLEXCUBE     Oracle FLEXCUBE     Oracle FLEXCUBE     Oracle FLEXCUBE     Oracle Limits and Collateral Management     Oracle FLEXCUBE     Oracle Collateral Management     Oracle FLEXCUBE     Orac	
Log Back	Next Exit

- 3. Select 'Universal Banking Solution'
- 4. Click 'Next' and the following screen is displayed:



Solution of the second	l Installer		
Oracle FLEXCUBE	Universal Banking		ORACLE
Welcome To Oracle FLEX Choose Oracle FLEXCUB	CUBE E Component for installation.		
Property File Database			
Build Application Deploy Application			
Release	KERNEL 🔻		
File Seperator Style	Linux 💌		
Application Server	Weblogic 👻		
DataBase Server	Oracle 🗸		
Log		Back	Next Exit

Select 'Build Application' and specify the following details:

### **Operating System**

Select the release in which you are building the application from the adjoining drop down list.

## **Application Server**

Select the application server in which you are building the application from the adjoining drop down list.

#### Release

Select the release from the adjoining drop down list.

- 5. Once you have specified the details, click 'Next' and the following screen is displayed:
- 6. Select the appropriate installation option. Provide schema details for validation in case of rolled up patch installation. For New Schema details are not enabled. Click 'Next'.



Source FLEXCUBE Universal Installer		_ <b>_ X</b>
Oracle FLEXCUBE Universal	Banking	ORACLE
Installation Type FC Home C:/SOFT	(	
EAR Build  EAR Build	Id Rolled-up	
Provide schema details for patch install	ation.	
Name	Value	
Username	FCUBS121	
Password	•••••	
Service Name	FC1202WI	=
IP Address	10.184.149.177	
Port	1521	
TNS Connect Descriptor	FC1202WI	•
Test Connection		
Log	Back	Next Exit

7. Based on the FCHOME chosen, the valid list of deployable units are listed as shown in the next screen:

Soracle FLEXCUBE Universal Installer						
(	Oracle FLEXCUBE Universal Banking		OR	ACLE.		
	Vali	id Patch List				_
	No	Version	Туре	Select		
	1	12.1.0.0.0	CONSOLE	<b>v</b> '		
	2	12.1.0.1.0	PATCH			
	Log			F	ack Next	Exit
	201	9			HUAL	E.m

Choose the required set of Main and Patch releases. Click Next. Following screen is shown.



Ora		sal Banking	OF	RACLE
	rocess			
his so No.	reen lists the JARS that are req Name	Location	Available	
1	javax.ejb_3.0.1.jar	.\Library\application\javaee	Yes	<b></b>
2	javax.jms_1.1.1.jar	.\Library\application\javaee	Yes	
3	javax.mail_1.4.jar	.\Library\application\javaee	Yes	=
4	javax.persistence_1.0.0.0_1	.\Library\application\javaee	Yes	
5	javax.servlet_1.0.0.0_2-5.jar	.\Library\application\javaee	Yes	
6	javax.transaction_1.0.0.0_1	.\Library\application\javaee	Yes	
7	com.oracle.toplink_1.0.0.0_1	.\Library\plugin-elcm	Yes	
8	ojdbc14.jar	.\Library\plugin-elcm	Yes	
9	xmlparserv2.jar	.\Library\plugin-elcm	Yes	
10	runtime12 jar	\Libran\nlugin-elcm	Yes	-
Log		Back	Next	Exit

This screen displays the name, location and availability of all the jars. Availability of all the jars should be 'YES'. If the Jars available is 'No '. Update the library.

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

Soracle FLEXCUBE Universal Instal	ler	
Oracle FLEXCUBE Univ	versal Banking	ORACLE
Build Process Specify the destination directory, a	pplication name and context.	
Destination Directory	D:\DESTTEMPDIR	
Application Name	FCUBSApp	
Application Context NeoWeb	FCJNeoWeb	
Application Context WebTab	FCJWebTab	
Log	Back	Next Exit

9. Specify the following details:

#### **Destination Directory**

Specify the directory where the application should be setup. The installer will copy the source files from the source directory to the destination directory.

Use the directory icon io browse and select the destination directory.

#### Application 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).

## **Application Context**

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'.

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

🛃 Oracle FLEXCUBE Universal Installer	- • •
Oracle FLEXCUBE Universal Banking	ORACLE
Build Process	
Choose the Deployment option specified.	
Centralized	
De-Centralized	
Hybrid	
Centralized- For Centerlized installation there will only one setup.	
De-Centeralized -Branch and Host Setup will be different, Need to maintai	n the
saparate Data source.	
Hybrid -This is a combination of both Centralized and De-Centralized Set	up.
Log	Next Exit
Dack	INGAL EXIL

- 11. Select the type of application deployment. You can choose one of the following options:
  - Centralized

Choose this if you require centralized installation.



Decentralized 

Choose this if you require decentralized installation. In this case, Installer generates the following files at the end of the build process:

≻ {Application\_name}.ear - This can be deployed as Decentralized Host Application

≻ {Application\_name}.war – This can be deployed as Decentralized Branch Application

Hybrid: •

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Choose this if you require Hybrid Installation. In this case, the Installer generates the following files at the end of the build process:

{Application name}.ear - This can be deployed as Centralized Host Application ≻

- {Application\_name}.war This can be deployed as Decentralized Branch Application
- 12. Once you have selected the deployment type, click 'Next' and the following screen for building property file is displayed:

🕌 Oracle FLEXCUBE Universal Installer		
Oracle FLEXCUBE Universal Bar	nking	ORACLE
Build Process Specify the Property File path. Centralized Property File		
Exclude Property File Load from Runtime Path Provide the property file path to be included. Exclude Property File : Check this option if us and take it up from some other runtime path. Load from Runtime Path : Along with the pro Runtime path where the file is to be picked u	perty file path, provide the	ty file
Log	Back	Next Exit

Specify the following details:

#### **Centralized Property File**

Specify the location of the centralized property file. You can use the directory button is to browse and select the directory.



The property file is required for EAR building.

#### **Exclude Property File**

Check this box to exclude the property file. By checking this box, you can include a property file from the runtime path.

If you check this box, you need to specify the location of the property file in the field 'Load from Runtime Path'.

#### Load from Runtime Path

If you have checked the box 'Exclude Property File', you need to specify the runtime path from where the Installer will pick up the property file.

It is mandatory to load the property file. If you do not load a property file, the installer displays the following error message:

Message	×
i	Please load Fcubs Properties file
	ОК

You need to load the property file to continue. Once the property file is loaded, Plugin screen is displayed.

13. In decentralized mode, you can see the following screen during Application build process

🕌 Oracle FLEXCUBE Ur	niversal Installer	
Oracle FLEXC	UBE Universal Banking	ORACLE
<b>Property File Creati</b> Choose Operating S	<b>on</b> System and Application Server for Decentralized insta	llation.
Operating System	Linux	
Application Server	Tomcat 👻	
Log	Back	Next Exit



Specify the following details

#### **Property File Creation**

You have to choose the Operating System and Application Server for Decentralized installation.

#### **Operating System**

Select the operating system from the adjoining drop down list.

## **Application Server**

Select the application server from the adjoining drop down list.

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

🕌 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Build Process	
Specify the Property File path.	
Host Property File	
Web Property File	
Exclude Property File     Load from Runtime Path	
Provide the property file path to be included. Exclude Property File : Check this option if user wants to exclude property and take it up from some other runtime path. Load from Runtime Path : Along with the property file path, provide the Runtime path where the file is to be picked up.	file
Log Back	Next Exit

Specify the following details:

## **Host Property File**

Specify the host property file. You can use the directory button is to browser and select the directory.

### Web Property File

Specify the web property file. You can use the directory button is to browser and select the directory.



## **Exclude Property File**

Check this box to load the property file from runtime path.

15. Once you have specified the details, click 'Next' button and following screen is displayed:

Oracle FLEXCUBE Universal Installer		
Oracle FLEXCUBE Universal Banking		ORACLE
Build Process		
Choose the available plugins for including them in the current installation.		
Plugin Description	Include (or) Exclu	ıde
Reports		
Scheduler		
Document Management System		
Branch		
BPEL		
Bank In a Box		
Regression Testing Tool		
View Property File		
Log	Back	Next Exit

You need to select the plug-ins to be included in the installation. Check the box against the required plug-ins.

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

ORACLE

Build Process			
	ovides the language descri	iption and its code.	
SI.No	Language Name	Language Code	Include
1	ENGLISH	ENG	<b>v</b>
2	GERMAN	GER	¥
3	ARABIC	ARB	¥
4	JAPANESE	JPN	¥
5	FRENCH	FRC	¥
6	CHINESE(SIMPLIFI	CHS	¥
7	VIETNAMESE	VIE	¥
8	SPANISH	ESP	<b>v</b>

Check the languages that you wish to include in the installation.

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

Oracle FLEXCUBE Universal Installer					
Oracle FLEXCUBE Universal Banking		ORACLE			
Build Process This screen provides an opti	on to include help files				
Include Static Files in Arc	hive				
Runtime Path on Server	D:\BrnDbgs\				
If Include Static files in EAR is checked, all the static files will be packed and deployed i nto the application server context area. Due to large number of static files, the build tim e and ear deployment time will increase considerably. To avoid the above problem, Plea se copy all the static files in the baseline/shipment location in to a path created on the a pplication server OS. Mention the path in the above said location.					
Log	Back	Next Exit			

Specify the following details:



#### **Include Static Files in EAR**

Check the box 'Static Files' to include the static files in EAR file.

If you do not check this box, the Installer will not include the static files in the EAR file. The files would be consolidated into a folder called JS\_UIXML under the destination folder. For details, read the information below.

**Note**: You have to manually copy the static files present in the JS\_UIXML folder of the Destination Directory mentioned during build process to a specific folder in the application server. This will reduce the time required for building EAR file. Copy the static files into a specific folder in the application. Later, specify the folder location in the field 'Runtime Path on Server'.

18. Click 'Next' and the following screen is displayed: The Oracle FLEXCUBE Installer copies the files to the destination folder.

🕌 Oracle FLEXCUBE Universal Installer	
Oracle FLEXCUBE Universal Banking	ORACLE
Build Process	
Current screen displays the status of sources being copied to destination	folder.
0%	
Сору	
Log	Next Exit

The Oracle FLEXCUBE installer copies the files to the destination folder.



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🛃 Oracle FLEXCUBE Universal Installer	- • •
Oracle FLEXCUBE Universal Banking	ORACLE
Build Process	
Current screen Displays the status of sources being built.	
	<b>^</b>
	=
	-
Application Server Clustered	
Build	
Log	Next Exit

The installer start building the EAR/WAR files, after the files are copied.

The compilation screen is not available in EXEC mode of installation.

While copying the sources, the Installer copies all the plug-ins whether you have selected them or not. At this stage, the installer deletes the plug-ins that are not selected

If The EAR created is to be deployed in an Application server running in a clustered mode, the check box needs to check.

20. The Installer creates the EAR/WAR files in the destination directory, aAfter the successful build process.

The EAR file is available in selected EAR file location. If you have opted for BPEL, then FCBPELCIS.jar file is also available in the EAR file location.

In case of decentralized or hybrid setup, EAR files for the Host and WAR file for the Branch are be available in EAR file location.





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