

FLEXCUBE UBS Installation
Oracle FLEXCUBE Universal Banking
Release 12.4.0.0.0
[May] [2017]



Table of Contents

1.	FLEXCUBE UBS INSTALLATION	1-1
1.1	INTRODUCTION	1-1
1.2	DEPLOYMENT OPTIONS	1-1
1.2.1	<i>Centralized</i>	1-1
1.2.2	<i>Decentralized</i>	1-2
1.2.3	<i>Hybrid</i>	1-3
1.3	ORACLE FLEXCUBE INSTALLATION VARIETIES.....	1-4
1.3.1	<i>New Installation</i>	1-5
1.3.2	<i>Cloning Existing Environment</i>	1-5
1.3.3	<i>Applying Patchset</i>	1-6
1.4	COMPONENTS OF ORACLE FLEXCUBE	1-6
1.4.1	<i>Plug-Ins Required</i>	1-7
1.4.2	<i>Setting up the Plug-Ins</i>	1-7
1.4.3	<i>Manual Deployment</i>	1-8
1.4.4	<i>ODT Application Installation</i>	1-8
1.4.5	<i>FCUBS Application Installation</i>	1-8
1.4.6	<i>FLEXCUBE General Ledger Application Installation</i>	1-10
1.4.7	<i>GATEWAY Application Installation</i>	1-11
1.4.8	<i>Restful Services</i>	1-11
1.4.9	<i>SWITCH Interface Installation</i>	1-12
1.4.10	<i>FCUBS Process Flow Deployment</i>	1-12
1.4.11	<i>FLEXCUBE Information Server Deployment</i>	1-12
1.4.12	<i>Standalone Scheduler Installation</i>	1-13
1.4.13	<i>Standalone ELCM Installation</i>	1-13
1.4.14	<i>Standalone Payments Installation</i>	1-14
1.4.15	<i>Standalone OFCL Installation</i>	1-15

1. FLEXCUBE UBS Installation

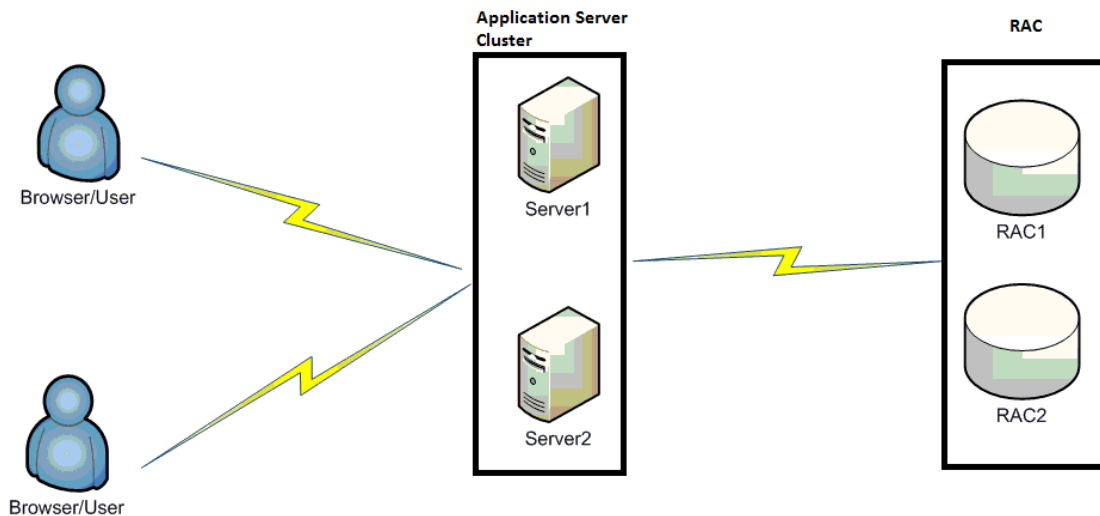
1.1 Introduction

This manual is designed to help acquaint you with the various deployment options supported by the installer, the various components that make FLEXCUBE UBS, the plug-ins that are supported by these components and the detailed installation steps of the various components supported by Oracle FLEXCUBE.

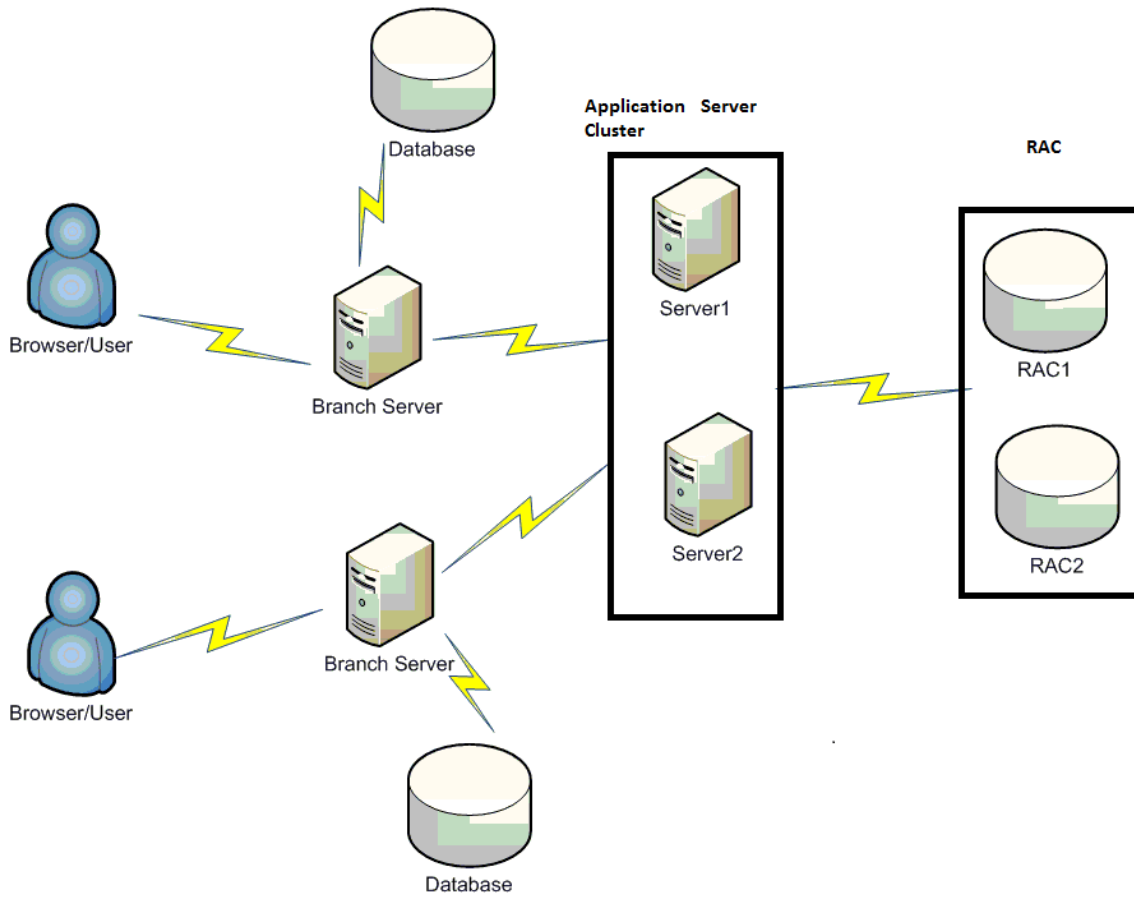
1.2 Deployment Options

Centralized	In this mode there will be only one setup. The build, configuration and deployment would be targeted to this setup alone.
De-Centralized	Here there would be 2 setups, i.e. Host and Branch. Build, configuration and deployment would be done separately for each of these setup.
Hybrid	Combination of both the above said. Build, configuration and deployment would be based on what is handled by each of the setup.

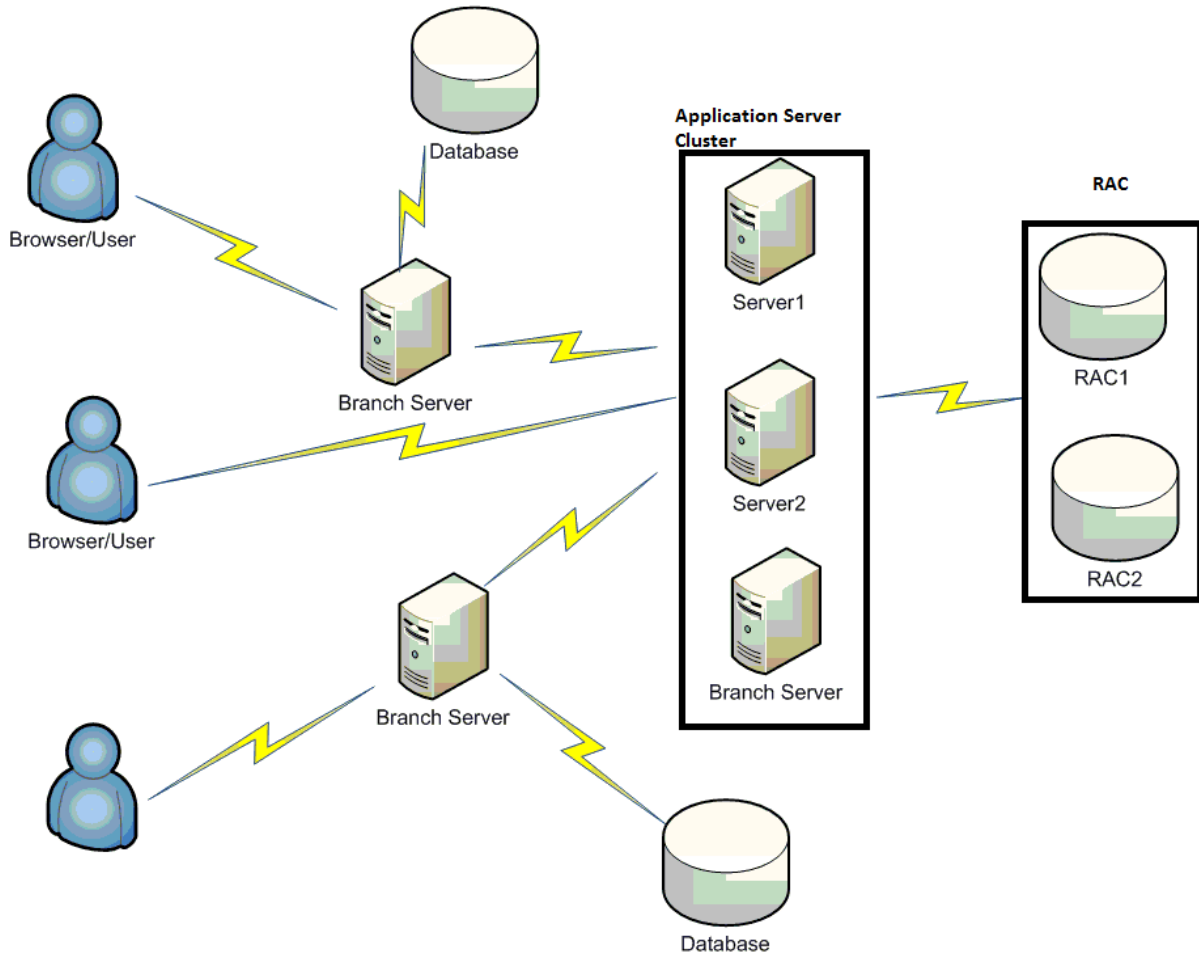
1.2.1 Centralized



1.2.2 Decentralized



1.2.3 Hybrid

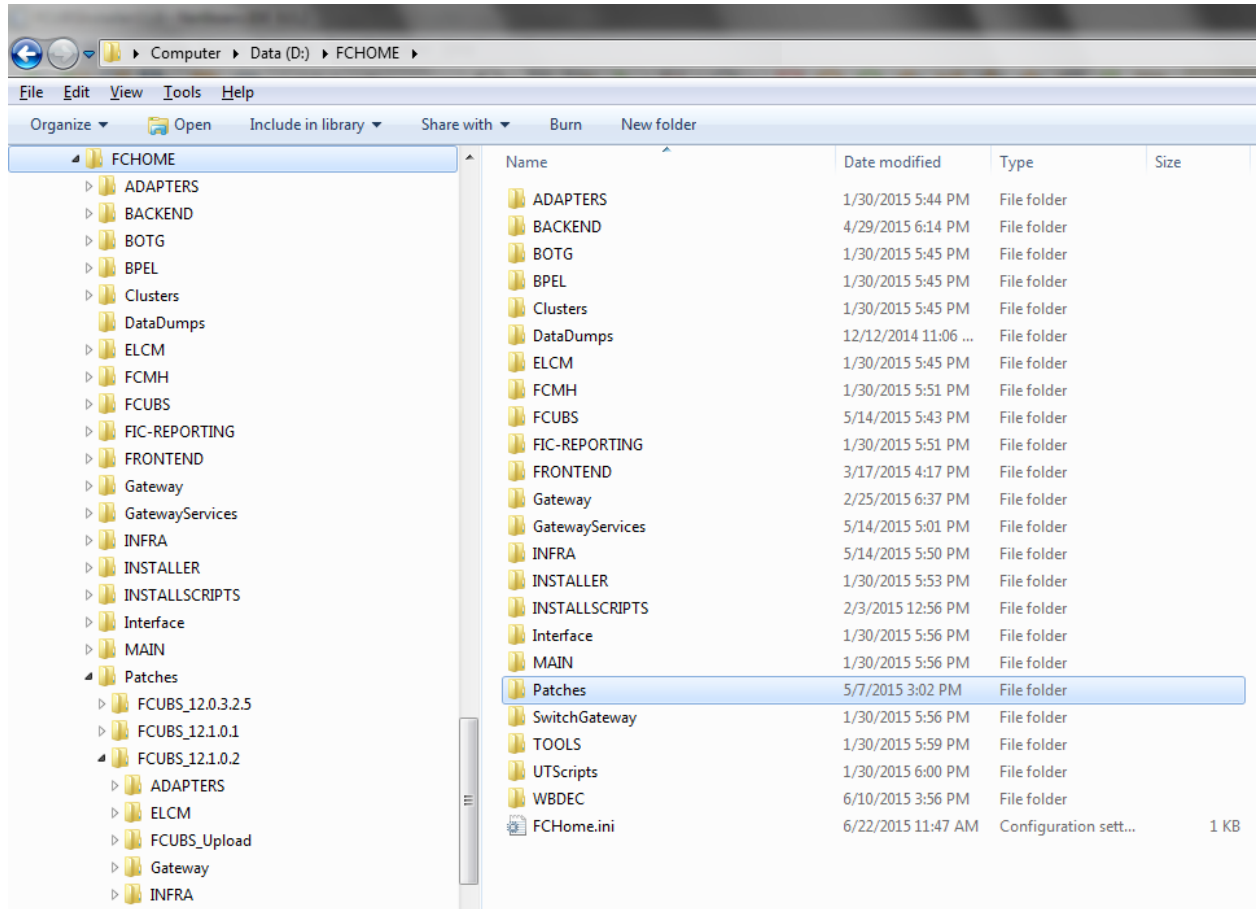


1.3 Oracle FLEXCUBE Installation Varieties

Installing FLEXCUBE can happen in multiple varieties. Please follow steps mentioned in first 3 sections before starting any installation steps.

Installer does not accept spaces in file path. Its applicable for all path including but not limited to source path, temp destination directory, property file path etc.

The below screenshot shows sample “FC Home” folder structure. This is the location to be pointed, if installer asks for FC Home directory.



In the above screenshot, main release content can be found directly under **FCHOME** directory and **Patches** directory contains patch release contents.

1.3.1 Creating New FCHome

1. Extract the ZIP file **FCUBS_<Version>_<Release Date>.zip**
2. Create a FCHOME Folder and extract the above zip into this folder.
3. Make sure that FCHOME Directory is accessible by both Application server and Database Server.

1.3.2 Updating FCHome with Patchsets

1. Extract the ZIP file **FCUBS_ <Version>.0.<Patch No>.zip** into FCHOME \Patches folder .Use the option Extract To and choose the folder FCHOME\Patches.
2. You find the extracted patch under the folder FCUBSHOME\Patches\.

1.3.3 Updating FCHome with ROLLED Patchsets

1. Extract the ZIP file **FCUBS_ <Version>.<Rolled Patch No>.0.zip** into FCHOME\Patches folder. Use the option Extract To and choose the folder FCHOME\Patches.
2. You find the extracted patch under the folder FCUBSHOME\Patches\.

1.3.1 New Installation

This section explains the step by step procedure for fresh installation using installer:

1. Apply the environment settings for FLEXCUBE. (Refer to the document OraclerFLEXCUBE_FCUBS_Pre-requisites).
2. Navigate to the folder which was chosen as FCHOME and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
3. Select Database in Oracle FLEXCUBE Installer and provide the FCHOME path. (Refer FCUBS_DB_Setup document under FCUBS Components > FCUBS)
4. For creating application, create a property file with the required plug-ins. Refer FCUBS_Property_File_Creation document under FCUBS Components > FCUBS.
5. Build an EAR using the property file created in step 4. Refer FCUBS_EAR_Building document under FCUBS Components > FCUBS.
6. Deploy the Built EAR in application server and login to the FLEXCUBE. Refer to application server specific Deployment documents under FCUBS Components > FCUBS.

1.3.2 Cloning Existing Environment

1. Navigate to the folder which was chosen as FCHOME and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Import a dump of FLEXCUBE database. (Refer 'Installing Oracle FLEXCUBE Database' chapter of FCUBS_DB_Setup document under FCUBS Components > FCUBS)
3. Create two FLEXCUBE Users using Installer.(Refer User_Creation_Utility document under Utilities).
4. Get the Property file of the Environment to be cloned and Modify the property file by loading it in the Installer.
5. Update the Ear file with the New Property File.
6. Deploy the Built EAR in application server and login to the FLEXCUBE.

7. Login into FLEXCUBE using the users created as part of step3 and reset/Modify the Password of all the users.

1.3.3 Applying Patchset

This section describes applying patchset.

1.3.3.1 Applying FLEXCUBE Patch Set - Middleware

Weblogic

1. Navigate to the folder which was chosen as FCHOME and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Provide the path of the FCHOME folder
3. Build an EAR by loading the existing property file.
4. Deploy the built EAR in weblogic application server.



Building of EAR can be done in remote location but the application deployment should be done in local system where the application server is installed.

Websphere

1. Navigate to the folder which was chosen as FCHOME and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Provide the path of the FCHOME folder
3. Build an EAR by loading the existing property file
4. Deploy the built EAR in websphere application server.

1.3.3.2 Applying FLEXCUBE Patch set - DATABASE

1. Navigate to the folder which was chosen as FCHOME and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Select Database setup option.
3. Provide the path of the FCHOME folder
4. Provide Database server connection details
5. Apply the patch set into the Database server.

1.4 Components of Oracle FLEXCUBE

Following are the components of the oracle FLEXCUBE:

- Open Development Tool (ODT)
- FLEXCUBE Universal Banking Solution (FCUBS)
- FLEXCUBE General Ledger (FGL)
- GATEWAY

- Restful Services
- SWITCH Interface Installation
- Standalone Scheduler
- Standalone ELCM
- Standalone Payments

1.4.1 **Plug-Ins Required**

Application	Plug-ins Supported
ODT	Not applicable
FCUBS	<ul style="list-style-type: none"> • Reports • Scheduler • Document Management System • Branch • BPEL • Bank In Box • OFTW • ELCM • Insulation
Standalone ELCM	<ul style="list-style-type: none"> • Reports • BPEL • Scheduler • DMS
FGL	<ul style="list-style-type: none"> • Reports • Scheduler • Document Management System
Gateway	Not applicable
Restful Services	Not applicable
Switch Interface Installation	Not applicable
Standalone Scheduler	Not applicable
Standalone Payments	Not applicable
Standalone OFCL	Not applicable

1.4.2 **Setting up the Plug-Ins**

The Setting_up_Plugins document describes the step by step details of setting up the various plug-ins supported by FLEXCUBE. This is under FCUBS Main.

1.4.3 Manual Deployment

This section explains the steps to deploy Oracle FLEXCUBE UBS application manually. Application server resources required are detailed in “Resources_To_Be_Created” document. This is present under Environment Setup > Application Server

Follow the document “FCUBS_Manual_Deployment_WL” for Weblogic.

For Websphere please follow “FCUBS_Manual_Deployment_WAS”.

For Tomcat, please refer to the document “Branch_Deployment_on_Tomcat”.



Tomcat is supported only for Deployment of Decentralized branch war file. FCUBS EAR deployment is only on Weblogic or Websphere.

All these documents are present in the Environment Setup > Application Server.

1.4.4 ODT Application Installation

All documents can be referred under FCUBS Components > ODT.

Database Installation	This document gives the step by step instructions for setting up ODT Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to document ODT_DB_Setup	
Building Ear	This section explains the detailed instructions to be followed for Building ODT EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to document ODT_EAR_Building	
Application Deployment	Weblogic	This section gives the detailed instructions for FULL deployment of ODT application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application using installer. Refer to document ODT_Application_Deployment_Weblogic.
	Websphere	This section gives the detailed instructions for FULL deployment of ODT application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer. Refer to document ODT_Application_Deployment_Websphere

1.4.5 FCUBS Application Installation

All documents can be referred under FCUBS Components > FCUBS.

<p>This Section describes the various operations performed for FCUBS application. This application is operated in two modes during property file creation:</p> <ul style="list-style-type: none"> • Custom mode: All inputs are provided by the user. • Default Mode: Property file is created by considering the default properties. User inputs are minimal. 			
Database Installation	<p>This document gives the step by step instructions for setting up FCUBS Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to the document FCUBS_DB_Setup</p>		
Building Property File	<p>This section explains the detailed instructions to be followed for Building FCUBS Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document FCUBS_Property_File_Creation</p>		
Building Ear	<p>This section explains the detailed instructions to be followed for Building FCUBS EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document FCUBS_EAR_Building</p>		
Application Deployment	Weblogic	FULL Deployment	<p>This section gives the detailed instructions for FULL deployment of UBS application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application. Refer to the document FUBS_Application_Deployment_Weblogic</p>
		Patch/Patchset Deployment	<p>This section gives the detailed instructions for Partial deployment of UBS application, It explains the steps for deployment of the patches of the existing ear in weblogic server. Refer to the document FUBS_Application_Deployment_Weblogic</p>
	Websphere	FULL Deployment	<p>This section gives the detailed instructions for FULL deployment of UBS application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer Refer to the document FUBS_Application_Deployment_Websphere</p>
		Patch/Patchset Deployment	<p>This section gives the detailed instructions for partial deployment of UBS application in websphere server, it</p>

		t	explains the steps to be followed for deploying the patches for the existing application in websphere server. Refer to the document FUBS_Application_Deployment_Websp here
--	--	---	--

1.4.6 FLEXCUBE General Ledger Application Installation

All documents can be referred under FCUBS Components > FGL

Database Installation	This document gives the step by step instructions for setting up FLEXCUBE GENERAL LEDGER Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to the document FGL_DB_Setup		
Building Property File	This section explains the detailed instructions to be followed for Building FLEXCUBE GENERAL LEDGER Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document FGL_Property_File_Creation		
Building Ear	This section explains the detailed instructions to be followed for Building GENERAL LEDGER EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document FGL_EAR_Building		
Application Deployment	Weblogic	FULL Deployment	This section gives the detailed instructions for FULL deployment of GENERAL LEDGER EAR application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application using installer. Refer to the document FGL_Application_Deployment_Weblogic
		Patch/Patches et Deployment	This section gives the detailed instructions for Partial deployment of GENERAL LEDGER EAR application, it explains the steps for deployment of the patches of the existing ear in weblogic server using installer. Refer to the document FGL_Application_Deployment_Weblogic
	Websphere	FULL Deployment	This section gives the detailed instructions for FULL deployment of GENERAL LEDGER EAR application in websphere server, it explain the steps to

			be followed for deploying UBS application in websphere server using installer. Refer to the document FGL_Application_Deployment_in_Web sphere
		Patch/Patches et Deployment	This section gives the detailed instructions for partial deployment of GENERAL LEDGER EAR application in websphere server, it explains the steps to be followed for deploying the patches for the existing application in websphere server using installer. Refer to the document FGL_Application_Deployment_in_Web sphere

1.4.7 GATEWAY Application Installation

All documents can be referred under FCUBS Components > Gateway.

Building Property file	This section explains the detailed instructions to be followed for Building GATEWAY Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document GATEWAY_Property_File_Creation	
Building Ear	This section explains the detailed instructions to be followed for Building GATEWAY EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document Gateway_EAR_Building	
Application Deployment	Weblogic	This section gives the detailed instructions for FULL deployment of GATEWAY application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application using installer. Refer to the document Gateway_Application_Deployment_Weblogic
	Websphere	This section gives the detailed instructions for FULL deployment of GATEWAY application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer. Refer to the document Gateway_Application_Deployment_Websphere

1.4.8 Restful Services


All documents can be referred under FCUBS Components > Restful Services.

Building Ear	This section explains the detailed instructions to be followed for Building Restful Service EAR, it explains the step by step instructions for building the EAR. Refer to the document
---------------------	--

	RESTService_Compliance_Build	
Application Deployment	Weblogic	This section gives the detailed instructions for FULL deployment of Restful application in weblogic server. Refer to the document RESTService_Deployment_Weblogic
	Websphere	This section gives the detailed instructions for FULL deployment of Restful application in websphere server. Refer to the document RESTService_Deployment_Websphere

1.4.9 SWITCH Interface Installation

All documents can be referred under FCUBS Components > Switch.

Building Ear for Switch interface	This section explains the detailed instructions to be followed for Building SWITCH EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document Switch_EAR_Building
Building Ear for Monitor	This section explains the detailed instructions to be followed for Building Monitor EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document Switch_Monitor_Installation  For running Monitor setup, switch EAR should be available

1.4.10 FCUBS Process Flow Deployment

FCUBS Process Flow Deployment	This section describes the instructions for FCUBS process flow deployment, it also provides detailed description on deploying FCUBS BPEL process flows onto a weblogic server configured with soa suite components . It covers different approaches for deploying a process. Refer to the document FCUBS_ProcessFlow_Deployment under FCUBS Main.
--------------------------------------	---

1.4.11 FLEXCUBE Information Server Deployment

FIS Utility	This document explains the steps to be done in FLEXCUBE installer to install FIS.
ODI Configuration	This document explains the Oracle Data Integrator (ODI) Configuration steps for FIS.
Merge Repositories	This document explains the steps to be done to Merge OBIEE

	Repositories. Note: This is optional; you can refer only if there is a need to merge repositories.
--	---

1.4.12 Standalone Scheduler Installation

All documents can be referred under FCUBS Components > Scheduler.

Building Property file	This section explains the detailed instructions to be followed for Building Scheduler Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document Scheduler_Property_File_Creation	
Building Ear	This section explains the detailed instructions to be followed for Building Scheduler EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document Scheduler_EAR_Building	
Application Deployment	Weblogic	This section gives the detailed instructions for FULL deployment of Scheduler application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application using installer. Refer to the document Scheduler_Deployment_Weblogic
	Websphere	This section gives the detailed instructions for FULL deployment of Scheduler application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer. Refer to the document Scheduler_Deployment_Websphere

1.4.13 Standalone ELCM Installation

All documents can be referred under FCUBS Components > ELCM > FCELCM Components

Database Installation	This document gives the step by step instructions for setting up ELCM Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to the document ELCM_DB_Setup		
Building Property File	This section explains the detailed instructions to be followed for Building ELCM Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document ELCM_Property_File_Creation		
Building Ear	This section explains the detailed instructions to be followed for Building ELCM EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document ELCM_EAR_Building		
	Weblogic	FULL	This section gives the detailed

Application Deployment		Deployment	instructions for ELCM EAR application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of UBS application using installer. Refer to the document FUBS_Application_Deployment_Weblogic
		Patch/Patchset Deployment	This section gives the detailed instructions for Partial deployment of ELCM EAR application, it explains the steps for deployment of the patches of the existing ear in weblogic server using installer. Refer to the document FUBS_Application_Deployment_Weblogic
	Websphere	FULL Deployment	This section gives the detailed instructions for FULL deployment of ELCM EAR application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer. Refer to the document FUBS_Application_Deployment_in_Websphere
		Patch/Patchset Deployment	This section gives the detailed instructions for partial deployment of ELCM EAR application in websphere server, it explains the steps to be followed for deploying the patches for the existing application in websphere server using installer. Refer to the document FUBS_Application_Deployment_in_Websphere

1.4.14 Standalone Payments Installation

The setup of Standalone has to be done in a specific order as below:

HOST SCHEMA

1. Normal Database setup.
2. Run the Cross Grant Schema option mentioned below with source as Host and destination as PM.
3. Run the Module Code Entries option mentioned below for creating the module group code entries.

PAYMENTS SCHEMA

1. Run the Cross Grant Schema option mentioned below with source as PM and destination as Host.
2. Normal Database setup.

All documents can be referred under FCUBS Components > Standalone Payments.

Database Installation	This document gives the step by step instructions for setting up Standalone Payments Data Base(Referred as PM from here on). It also explains the process of loading static data. Refer to the document PM_DB_Setup
Cross Schema Grants	This document explains the process of provisioning Grants and Synonyms in HOST and PM Schema. This is a mandatory step before the PM database is ready for use. Refer to the document Cross_Schema_Scripts
Module Code Entries	This document explains how to create the module group code entries in the HOST schema for establishing a connection with the PM schema. Refer to the document Module_Code_entries

1.4.15 Standalone OFCL Installation

Documents can be referred under Oracle FLEXCUBE OFCL Installation > Oracle OFCL Components > OFCL

Oracle FLEXCUBE DB Setup	This document gives the step by step instructions for setting up OFCL Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to the document Oracle FLEXCUBE DB Setup		
Oracle FLEXCUBE Property File Creation	This section explains the detailed instructions to be followed for Building OFCL Property file , it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document FCUBS_Property_File_Creation (Installer Property File Creation)		
Oracle FLEXCUBE EAR Building	This section explains the detailed instructions to be followed for Building OFCL EAR, it explains the step by step instructions for building the EAR with the corresponding property file. Refer to the document FCUBS_EAR_Building.pdf (Installer EAR Building)		
	Weblogic	FULL Deployment	This section gives the detailed instructions for OFCL EAR application in weblogic server, it also explains the basic instructions for creating the

Application Deployment			resources required for deployment of OFCL application using installer. Refer to the document FCUBS_Application_Deployment_Weblogic
		Patch/Patchset Deployment	This section gives the detailed instructions for Partial deployment of OFCL EAR application, it explains the steps for deployment of the patches of the existing ear in weblogic server using installer. Refer to the document FCUBS_Application_Deployment_Weblogic.pdf
	Websphere	FULL Deployment	This section gives the detailed instructions for FULL deployment of OFCL EAR application in websphere server, it explain the steps to be followed for deploying UBS application in websphere server using installer. Refer to the document FCUBS_Application_Deployment_in_Websphere
		Patch/Patchset Deployment	This section gives the detailed instructions for partial deployment of OFCL EAR application in websphere server, it explains the steps to be followed for deploying the patches for the existing application in websphere server using installer. Refer to the document FUBS_Application_Deployment_in_Websphere



FLEXCUBE UBS Installation
[May] [2017]
Version 12. 4.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © [2007], [2017], Oracle and/or its affiliates. All rights reserved.

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

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

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

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

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

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.