

Oracle FLEXCUBE Installation Guide  
Oracle FLEXCUBE Universal Banking  
Release 12.0  
[May] [2012]  
Oracle Part Number E51527-01



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# 1. Oracle FLEXCUBE Installation Guides

## 1.1 Introduction

This chapter guides you through the Oracle FLEXCUBE Universal Banking Installer patterns. This guide helps you get an outline of the chapters included in the Installation Guides and provides a summary of the information available in each chapter. You can identify the chapters containing the details of each activity that you will perform during Oracle FLEXCUBE installation.

## 1.2 About the Installer

### 1.2.1 Features of Installer

The following new components are available in Oracle FLEXCUBE Universal Banking Installer 11.3:

- ELCM (Embedded) is included as a Plug-in
- EMS embedded with Scheduler
- BIB is included as a Plug-in
- Manual provided deployment of Decentralized Branch on tomcat
- Supports all the new modules which are released in FCUBS\_ 12.0

### 1.2.2 Activities Supported by Installer

Oracle FLEXCUBE Universal Banking Installer supports the following:

- Oracle FLEXCUBE UBS application building of version 10.5 along with versions 10.2, 10.2.2, 10.3, 10.4 and 10.5
- Installation of Oracle FLEXCUBE schema version 10.5 along with versions 10.0, 10.1, 10.2, 10.2.2, 10.3, 10.4 and 10.5
- Gateway applications building (EJB, MDB, Servlet and Web Services)
- Database installation using RMAN and template

### 1.2.3 Limitations of Installer

Oracle FLEXCUBE Universal Banking Installer has the following limitations:

- Does not support deployment of applications using installer
- Does not support OEMGC and Gateway Notify MDB

## 1.3 Organization

The Installation Manuals are organized as follows:

|   |   |
|---|---|
| <b>1. Setting up Oracle FLEXCUBE Installer (<a href="#">View</a>)</b><br>Before installing Oracle FLEXCUBE, you need to set up Oracle FLEXCUBE Installer on the server. This document explains the methods of setting up the installer and the JAR files required for that.<br>This document includes the following chapters: |   |
| <b>Chapter 1</b>  | <i>Setting up Oracle FLEXCUBE Installer</i> explains the prerequisites and the methods to set up Oracle FLEXCUBE Universal Banking Installer. |
| <b>Chapter 2</b>  | <i>Troubleshooting</i> guides you through the methods to troubleshoot certain scenarios while installing Oracle FLEXCUBE.                     |

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| <b>2. Setting up Database (<a href="#">View</a>)</b><br>This covers the steps to install the Host and Branch database. These steps include Load objects, Import Dump, Basic Setup, Clone Database and RMAN Based Restoration and Backup.<br>This document includes the following chapters: |  |
| <b>Chapter 1</b>   | <i>Setting up Database</i> explains the prerequisites and the checks to be performed before you begin with the database setup. |
| <b>Chapter 2</b>   | <i>Installing Oracle FLEXCUBE Database</i> describes the method of database installation for Oracle FLEXCUBE.                  |
| <b>Chapter 3</b>   | <i>Setting up FGL Database</i> describes the method of database installation for FGL system.                                   |
| <b>Chapter 4</b>   | <i>Setting up ELCM Database</i> describes the method of database installation for ELCM system.                                 |
| <b>Chapter 5</b>   | <i>RMAN Based Restoration and Backup</i> describes the restoration and backup activities based on RMAN.                        |

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| <b>3. Setting up Property File (<a href="#">View</a>)</b><br>This explains the method to create and modify property files for Oracle FLEXCUBE UBS Application.<br>This document includes the following chapters: |  |
| <b>Chapter 1</b>   | <i>Setting up Property File</i> explains the prerequisites for setting up property files for Oracle FLEXCUBE and Gateway Applications. |
| <b>Chapter 2</b>   | <i>Creating Property File for Oracle FLEXCUBE</i> explains the steps to create property files for Oracle FLEXCUBE UBS Application.     |

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| <b>Chapter 3</b> | <i>Creating Property File for FGL Application</i> explains the methods to create property files for Oracle FGL Application. This also contains the properties for various plug-ins.  |
| <b>Chapter 4</b> | <i>Creating Property File for ELCM Application</i> explains the methods to create property files for ELCM Application. This also contains the properties for various plug-ins.   |
| <b>Chapter 5</b> | <i>Creating Property File for Gateway Applications</i> explains the steps to create the property file for the gateway components viz. Enterprise Java Bean (EJB), Message Driven Beans (MDB) and Web Services and Servlet. |

#### 4. Oracle FLEXCUBE UBS Application Setup ([View](#))

This manual gives systematic instructions for setting up Oracle FCUBS Application in centralized mode. In centralized mode, Oracle FLEXCUBE Host and Branch components are bundled together to generate a single Enterprise Application (EAR). This single EAR file is then deployed to an Enterprise Application Server.

This document includes the following chapters:

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|------------------|--|
| <b>Chapter 1</b> | <i>Setting up Application in Centralized Mode</i> gives systematic instructions for setting up Oracle FCUBS Application in centralized mode. |
| <b>Chapter 2</b> | <i>Pre-Deployment Tasks</i> details out the pre-deployment tasks based on the on the selected plug-ins.                                      |

#### 5. Oracle FGL Application Setup ([View](#))

This explains the steps to build the Oracle FGL Application in centralized mode.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Setting up Oracle FGL</i> explains the steps to build the Oracle FGL Application in centralized mode. |
| <b>Chapter 2</b> | <i>Pre-Deployment Tasks</i> details out the pre-deployment tasks based on the on the selected plug-ins.  |

#### 6. ELCM Application Setup ([View](#))

This document explains the steps to build ELCM as standalone application. It includes the ELCM standalone database and Application installation.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Setting up Standalone ELCM</i> explains the steps to build ELCM as standalone application.           |
| <b>Chapter 2</b> | <i>Pre-Deployment Tasks</i> details out the pre-deployment tasks based on the on the selected plug-ins. |

## 7. Gateway Application Setup ([View](#))

This explains the steps to create the property file for the gateway components (i.e. EJB, MDB, Web Services, Servlet and Notify MDB) to build and deploy the Gateway application.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Setting up Gateway for Oracle FLEXCUBE</i> explains the steps for setting up the Gateway Application for Oracle FLEXCUBE. |
| <b>Chapter 2</b> | <i>Post Building Activity</i> introduces you to the activities to be carried out after setting up the gateway applications.  |

## 8. Setting up Client Browsers ([View](#))

Client browsers are required to run Oracle FLEXCUBE and other applications. You need to configure the browsers after installation in order to run these applications properly.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Setting up Client Browsers</i> explains the configurations required for the browsers after installation in order to run the applications properly. |
|------------------|---|

## 9. BIP Web Service Reports ([View](#))

This explains the steps to setup the BIP Web Services based reports server.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Setting up BIP Web Services Reports Server</i> explains the steps to setup the BIP Web Services based reports server.  |
| <b>Chapter 2</b> | <i>Deploying Reports</i> explains the steps to deploy the BIP reports.  |
| <b>Chapter 3</b> | <i>Creating Roles and Users in Oracle BI Publisher</i> explains the steps to create roles in Oracle BI Publisher. It also guides you through the methods to assign new users to such roles. |

## 10. Branch Deployment on TomCat ([View](#))

This explains the steps to deploy Decentralized Branch Application.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Deploying Decentralized Branch Application</i> explains the steps to deploy Decentralized Branch Application. |
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## 11. Setting up Decentralized Branch Database ([View](#))

This explains the steps to install Decentralized Branch Database.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Setting up Decentralized Branch Database</i> explains the steps to install Decentralized Branch Database. These steps include the use of Load objects. This tool automates the creation of the database. The database created using this tool will have the database objects that are available in the software source. |
|------------------|--|

## 12. Oracle FLEXCUBE Password Change ([View](#))

This manual explains the method of changing the passwords in Oracle FLEXCUBE data sources and the servers associated with it.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>About this Manual</i> acquaints you quickly with the purpose, organization and the audience of the manual.                                |
| <b>Chapter 2</b> | <i>Oracle FLEXCUBE Password Change</i> gives an outline of the processes involved in changing the passwords of various data sources.         |
| <b>Chapter 3</b> | <i>Changing Passwords in Oracle WebLogic</i> describes the method of changing data source passwords from Oracle WebLogic application server. |
| <b>Chapter 4</b> | <i>Changing Passwords in IBM WebSphere</i> describes the method of changing data source passwords from IBM WebSphere application server.     |
| <b>Chapter 5</b> | <i>Server Password Change</i> explains the process of changing the passwords of the servers associated with Oracle FLEXCUBE.                 |

## 13. Electronic Messaging Service ([View](#))

This explains the Electronic Messaging Service interface between external systems and Oracle FLEXCUBE, which enables a connection between Oracle FLEXCUBE and the external systems source for sending and receiving information.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Oracle FLEXCUBE Electronic Messaging Service</i> introduces you to processing Incoming and outgoing messages, defining and maintaining required Oracle FLEXCUBE parameters and maintaining communication Weblogic and MQ Setup for EMS Out and EMS IN. |
| <b>Chapter 2</b> | <i>Scheduling Jobs</i> introduces you to maintaining and controlling of Scheduling Jobs.  |

#### 14. Exec Utility ([View](#))

This document explains the process involved in installing Exec Utility. Exec Utility is used by Oracle FLEXCUBE to extract the sources and to create executable files from baseline area for the end users.

This document includes the following chapter:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Exec Utility Installation</i> explains the process involved in installing Exec Utility. Exec Utility is used by Oracle FLEXCUBE to extract the sources and to create executable files from baseline area for the end users. |
|------------------|--|

#### 15. ELCM POJO Installation ([View](#))

This document explains the steps to install the ELCM POJO.

This document includes the following chapter:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>ELCM POJO Installation</i> explains the steps to install the ELCM POJO. |
|------------------|--|

#### 16. RMAN Operation Utility ([View](#))

This document explains the process involved in installing RMAN Operation Utility.

This document includes the following chapter:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>RMAN Utility Installation</i> explains the process involved in installing RMAN Operation Utility. |
|------------------|--|

#### 17. User Creation Utility ([View](#))

This document explains the process involved in installing User Creation Utility.

This document includes the following chapter:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>User Creation Utility</i> explains the process involved in installing User Creation Utility. |
|------------------|---|

### 1.3.1 Oracle WebLogic

#### 1. Resource Creation on WebLogic Application Server ([View](#))

This explains the method of managing data source, creation of JMS queues, connection factories and SSL setup that are required on the Weblogic application server.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Creating Resources on WebLogic</i> explains the steps to be executed to deploy the FCUBS application and gateway application in application server. |
|------------------|--|

## 2. Gateway Application Deployment on Weblogic ([View](#))

This explains the process of deployment of Oracle FLEXCUBE Gateway application on WebLogic application server using admin console.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Setting up Gateway Application for WebLogic</i> explains the method of installation of Oracle FLEXCUBE UBS Application Integration Gateway components.          |
| <b>Chapter 2</b> | <i>Installing Gateway</i> explains the steps to install gateway components, viz. Enterprise Java Bean (EJB), Message Driven Beans (MDB), Web Services and Servlet. |

## 3. SSL Configuration on Weblogic ([View](#))

This explains the SSL configuration required for Weblogic application server, using admin console.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Configuring SSL on Oracle WebLogic</i> details out the configurations for SSL on Oracle WebLogic application server.                             |
| <b>Chapter 2</b> | <i>Choosing the Identity and Trust Stores</i> included the recommendations for identity and trust stores.   |
| <b>Chapter 3</b> | <i>Obtaining Identity Store</i> explains the methods to create identity stores.   |
| <b>Chapter 4</b> | <i>Configuring Identity and Trust Stores for WebLogic</i> explains the method to enable SSL on WebLogic and to configure identity and trust stores. |
| <b>Chapter 5</b> | <i>Setting SSL attributes for Managed Servers</i> explains the method to set SSL attributes for private key alias and password.                     |
| <b>Chapter 6</b> | <i>Testing Configuration</i> explains the method to launch the application for testing.   |

## 4. Deploying Oracle FLEXCUBE Application on WebLogic ([View](#))

This explains the steps to deploy Oracle FLEXCUBE UBS application into Oracle WebLogic application server in centralized and decentralized modes.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Deploying Oracle FLEXCUBE on WebLogic</i> explains the steps to deploy Oracle FLEXCUBE UBS application into Oracle WebLogic application server in centralized and decentralized modes. In centralized mode, branch and host are setup in a single PC. In decentralized mode, branch and host are setup in different PCs. |
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## 5. Oracle HTTP Server Configuration for FLEXCUBE ([View](#))

This document explains the configurations required for Oracle HTTP Server for Oracle FLEXCUBE.

This document includes the following chapter:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Oracle HTTP Server Configuration for FLEXCUBE</i> explains the configurations required for Oracle HTTP Server for Oracle FLEXCUBE. |
|------------------|---|

## 1.3.2 IBM WebSphere

### 1. Resource Creation on WebSphere ([View](#))

This explains the steps to create resources on WebSphere application server and Queues in WebSphere MQ server.

This document includes the following chapters:

|                  |   |
|------------------|---|
| <b>Chapter 1</b> | <i>Creating Resources on WebSphere</i> explains the steps to create resources on WebSphere application server and Queues in WebSphere MQ server.  |
| <b>Chapter 2</b> | <i>Creating JDBC Resources on Web Sphere</i> guides you through the process of JDBC resource creation on IBM WebSphere application server.  |
| <b>Chapter 3</b> | <i>Default Settings for Web Sphere</i> explains the default settings for WebSphere.   |
| <b>Chapter 4</b> | <i>Configuring Mail Session on WebSphere</i> describes the method to configure WebSphere application server for Oracle FLEXCUBE to generate and send passwords to the users via e-mail. |
| <b>Chapter 5</b> | <i>Annexure</i> explains the methods to increase heap size and to set the transaction service properties.   |

### 2. Gateway Application Setup on WebSphere ([View](#))

This explains the steps to install of Oracle FLEXCUBE UBS application integration gateway components.

This document includes the following chapters:

|                  |  |
|------------------|--|
| <b>Chapter 1</b> | <i>Gateway Applications on WebSphere</i> explains the steps to install of Oracle FLEXCUBE UBS application integration gateway components.                          |
| <b>Chapter 2</b> | <i>Installing Gateway</i> explains the steps to install gateway components, viz. Enterprise Java Bean (EJB), Message Driven Beans (MDB), Web Services and Servlet. |

### 3. SSL Configuration on WebSphere ([View](#))

This explains the process of configuring SSL on IBM WebSphere application server.

|  |  |
|--|--|
| This document includes the following chapters: |  |
| <b>Chapter 1</b>                               | <i>Configuring SSL on WebSphere</i> guides you through the process of configuring SSL on IBM WebSphere application server. |

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|--|---|
| <b>4. Deploying Oracle FLEXCUBE Application on WebSphere (<a href="#">View</a>)</b>                        |   |
| This explains the steps to deploy the Oracle FLEXCUBE UBS application on IBM WebSphere application server. |   |
| This document includes the following chapters:   |   |
| <b>Chapter 1</b>   | <i>Deploying Oracle FLEXCUBE on WebSphere</i> explains the steps to deploy the Oracle FLEXCUBE UBS application on IBM WebSphere application server. |

### 1.3.3 **Practices**

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|--|--|
| <b>1. ORACLE 11gAS WEB CACHE Practices (<a href="#">View</a>)</b>                              |  |
| This provides a step by step guideline for Oracle Application Server Web Cache configurations. |  |
| This document includes the following chapters:   |  |
| <b>Chapter 1</b>   | <i>Introduction</i> gives an introduction to OracleAS Web Cache.             |
| <b>Chapter 2</b>   | <i>Installing Web Cache 11g</i> guides you through installing Web Cache 11g. |
| <b>Chapter 3</b>   | <i>Configuring Web Cache</i> explains configuring Web Cache.                 |
| <b>Chapter 4</b>   | <i>Appendix A</i> describes various bugs and the solutions for the same.     |

|  |   |
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| <b>2. Weblogic Middleware Practices (<a href="#">View</a>)</b>     |   |
| This provides a step by step process to configure Weblogic Server. |   |
| This document includes the following chapters:                     |   |
| <b>Chapter 1</b>   | <i>Configuring WebLogic Server</i> provides a step by step process to configure Weblogic Server.                  |
| <b>Chapter 2</b>   | <i>Appendix A</i> details issues that might be faced during Admin server start-up and the solutions for the same. |



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