

FLEXCUBE UBS Oracle GL Adapter Installation  
Oracle FLEXCUBE Universal Banking  
Release 12.1.0.0.0  
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# 1. Introduction

## 1.1 Scope of the Document

- ✓ This document is the initial guide to the implementation of all FLEXCUBE UBS Oracle GL Adapter Deployment patterns.
- ✓ It provides a detailed description of the software requirements, environment setup and steps involved in deploying any of the FLEXCUBE UBS Oracle GL Adapter patterns.

## 1.2 Intended Audience

The document is intended for the following audience,

- KERNEL Implementation Team

## 1.3 Organization of the Document

The organization of the document is as follows:

Chapter	Remarks
Chapter 1	Short Introduction to this document
Chapter 2	Environment Setup
Chapter 3	FLEXCUBE UBS Oracle GL Adapter Environment Setup
Chapter 4	Appendix

## 1.4 Common abbreviation and Terms used

Abbreviation	Description
FLEXCUBE UBS	FLEXCUBE Universal Banking Solutions
XML	Extensible Markup Language
XSD	XML Schema Document
FTP	File Transfer Protocol
EJB	Enterprise Java Beans
MDB	Message Driven Beans

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## 2. FLEXCUBE UBS Oracle GL Adapter Environment Setup

The following steps to be followed to do the initial environment setup for FCUBS Application Integration Gateways deployment:

1. Copy the *FC\_UBS\_V.UM\_7.2.0.0.0.0.0* folder from the Kernel Vercon Software Release area to local machine (say *D:\FC\_UBS\_V.UM\_7.2.0.0.0.0.0* for WINDOWS or */home/kernel/FC\_UBS\_V.UM\_7.2.0.0.0.0.0* for UNIX).
2. Go to *D:\FC\_UBS\_V.UM\_7.2.0.0.0.0.0\ADAPTER\OGL\Utilities\Java-install* directory (for WINDOWS) or */home/kernel/FC\_UBS\_V.UM\_7.2.0.0.0.0.0\ADAPTER\OGL\Utilities\Java-install* directory (for UNIX).

Update following parameters with relevant values in **set\_env.bat** (for Windows platform) and **set\_env.sh** (for UNIX platform).

a) APP\_SERVER\_NAME:

This parameter specifies the name of the J2EE compliant application server.

- ✓ For WebSphere Application Server, this parameter should be set as APP\_SERVER\_NAME=WAS
- ✓ For Oracle 10g AS Application Server, this parameter should be set as APP\_SERVER\_NAME=OC4J

b) APP\_SERVER\_HOME:

This parameter specifies the installation directory of the application server.

- ✓ For WebSphere Application Server, enter the path of the installation directory. e.g.: APP\_SERVER\_HOME=D:\Program Files\IBM\WebSphere\AppServer

- ✓ For Oracle 10g AS Application Server, enter the path of the installation directory. e.g.:  
APP\_SERVER\_HOME=D:\Oracle10gAS

c) KERNEL\_INSTALL\_DIR:

This parameter specifies the directory where KERNEL Software will be installed.

e.g.

- ✓ For WINDOWS:

KERNEL\_INSTALL\_DIR=D:\Kernel7.2

- ✓ For UNIX:

KERNEL\_INSTALL\_DIR=/home/kernel/Kernel7.2

d) IS\_ENTERPRISE\_QUEUE\_WebSphereMQ

This parameter specifies the JMS Provider used in the application. The two JMS providers supported are:

1. OracleAS JMS
2. WebSphere MQ

- ✓ If the JMS Provider is Oracle 10g Application Server JMS, specify  
IS\_ENTERPRISE\_QUEUE\_WebSphereMQ=**false**
- ✓ If the JMS Provider is IBM WebSphere MQ, specify  
IS\_ENTERPRISE\_QUEUE\_WebSphereMQ=**true**

e) IBM\_WEBSPHERE\_MQ\_INSTALL\_DIR

This parameter specifies the IBM WebSphere MQ installation directory.

Provide the path of the WebSphere MQ Installation directory, if the JMS provider used is IBM WebSphereMQ, i.e. if

`IS_ENTERPRISE_QUEUE_WebSphereMQ=true`

- ✓ `IBM_WEBSPHERE_MQ_INSTALL_DIR=D:\Program Files\IBM\WebSphere MQ`

### 3. Setting up the environment.

#### a) For WINDOWS

- ✓ Open a DOS command prompt and change directory to,

`D:\FC_UBS_V.UM_7.2.0.0.0.0\ADAPTER\OGL\Utilities\Java-install`

- ✓ On the command prompt type `set_env.bat` and press enter.

- ✓ Change directory to,

`D:\FC_UBS_V.UM_7.2.0.0.0.0\ADAPTER\OGL\Utilities\Java-install\%APP_SERVER_NAME%`

- ✓ Execute the build file

- For Oracle 10g Application Server, type “**ant**” on the command prompt and press enter.
- For WebSphere Application Server, type “**ws\_ant**” on the command prompt and press enter.

#### b) For UNIX

- ✓ Open a UNIX shell prompt and change directory to,

`/home/kernel/FC_UBS_V.UM_7.2.0.0.0.0/ADAPTER/OGL/Utilities/Java-install`

- ✓ On the command prompt type `set_env.sh` and press enter.

- ✓ Change directory to,

`/home/kernel/FC_UBS_V.UM_7.2.0.0.0.0/ADAPTER/OGL/Utilities/Java-install/$APP_SERVER_NAME`

- ✓ Execute the build file,

- For Oracle 10g Application Server, type “**ant**” on the shell prompt and press enter.
  - For WebSphere Application Server, type “**ws\_ant**” on the shell prompt and press enter.
4. After step 3, <KERNEL\_INSTALL\_DIR> folder structure as shown in the attached excel sheet will get created under. Please verify the same.



ADOGL\_INSTALL\_DI  
R\_Structure

5. Gather the required jar files [Please refer the [Software Requirements](#) in the Appendix].



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## 3. FLEXCUBE UBS Oracle GL Adapter Installation

### 3.1 EJB Deployment Pattern

- ✓ [Oracle 10g R3 Application Server \(10.1.3\)](#)
- ✓ [WebSphere Application Server \(6.0.2.0\)](#)

### 3.2 MDB Deployment Pattern

- ✓ [Oracle 10g R3 Application Server \(10.1.3\)](#)
- ✓ [WebSphere Application Server \(6.0.2.0\)](#)

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## 4. FLEXCUBE UBS Oracle GL Database Layer Installation

- [FLEXCUBE UBS Oracle GL Database Layer Installation](#)

### 5.1 JMS Queue Creation

- ✓ [OracleASJMS Queue Creation](#)
- ✓ [IBM WebSphere MQ 6.0 JMS Queue Creation](#)

### 5.2 Data Source Creation

- ✓ [Oracle 10g R3 Application Server DataSource Creation\(10.1.3\)](#)
- ✓ [WebSphere Application Server DataSource Creation\(6.0.2.0\)](#)

### 5.3 Software Requirements

- ✚ If Oracle 10g Application Server is chosen as the Adapter Application Server.
  - ✓ Oracle 10g R3 Application Server (10.1.3)
- ✚ If WebSphere Application Server is chosen as the Adapter Application Server.
  - ✓ WebSphere Application Server (6.0.2.0)
- ✚ If IBM WebSphere MQ Server is Bank's Enterprise Message Queue Server.
  - ✓ IBM WebSphere MQ 6.0 (with JMS Bindings)

✚ Copy ojdbc14.jar - the Oracle JDBC2.0 thin driver provided by Oracle (found at <ORACLE\_HOME<sup>1</sup>>\jdbc\lib directory for WINDOWS and <ORACLE\_HOME>/jdbc/lib for UNIX) to the following directories:

✓ For WINDOWS

- <KERNEL\_INSTALL\_DIR>\ADOGL\_MDB\lib

✓ For UNIX

- <KERNEL\_INSTALL\_DIR>/ADOGL\_MDB/lib

✚ If FLEXCUBE UBS Oracle GL MDB Adapter is to be deployed on WebSphere Application Server, **only then** download commons-net-1.4.1.jar from any of the following URLs.

- [http://jakarta.apache.org/site/downloads/downloads\\_commons-net.cgi](http://jakarta.apache.org/site/downloads/downloads_commons-net.cgi)

- <http://download.nextag.com/apache/jakarta/commons/net/binaries/commons-net-1.4.1.zip>

Copy the downloaded **commons-net-1.4.1.jar** to the following directory:

✓ For WINDOWS

- <KERNEL\_INSTALL\_DIR>\GW\_NOTIFY\_TIMER\lib

✓ For UNIX

- <KERNEL\_INSTALL\_DIR>/GW\_NOTIFY\_TIMER/lib

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<sup>1</sup> ORACLE\_HOME is the Oracle Database Home as installed for KERNEL Adapter Database Layer.



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