

Installation Document  
Oracle FLEXCUBE Universal Banking  
Release 14.4.0.0.0  
[May] [2020]



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# 1. Introduction

## 1.1 Scope of the Document

- ✓ This document is the initial guide to the implementation of all FCC – FC SSI MH Integration Adapter Deployment patterns.
- ✓ It provides a detailed description of the software requirements, environment setup and steps involved in deploying any of the FCC – FC SSI MH Integration 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 Inbound Application Adapter Installation
Chapter 4	FLEXCUBE UBS Outbound Application Adapter Installation
Chapter 5	Appendix

## 1.4 Common abbreviation and Terms used

Abbreviation	Description
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FCC-FC SSI MH	-FLEXCUBE-SWIFTNet Services Integrator Message Hub
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. Kernel Environment Setup

The following steps to be followed to do the initial environment setup for FCC – FC SSI MH Integration Adapter deployment:

1. Copy the *FC\_UBS\_V.UM\_8.0.0.0.0.0.0 Lot1/Adapter/SSI* folder from the Kernel Vercon Software Release area to local machine (say *D:\FC\_UBS\_V.UM\_8.0.0.0.0.0.0Lot1\SSI* for WINDOWS or */home/kernel/FC\_UBS\_V.UM\_8.0.0.0.0.0.0Lot1/SSI* for UNIX).
2. Go to *D:\FC\_UBS\_V.UM\_8.0.0.0.0.0.0Lot1\SSI Utilities\Java-install* directory (for WINDOWS) or */home/kernel/FC\_UBS\_V.UM\_8.0.0.0.0.0.0Lot1/SSI/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:\Kernel8.0

- ✓ For UNIX:

KERNEL\_INSTALL\_DIR=/home/kernel/Kernel8.0

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

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\_8.0.0.0.0.0Lot1\SSI\Utilities\Java-install*

- ✓ On the command prompt type set\_env.bat and press enter.

- ✓ Change directory to,

*D:\FC\_UBS\_V.UM\_8.0.0.0.0.0Lot1\SSI\Utilities\Java-install\%APP\_SERVER\_NAME%*

- ✓ Execute the build file,
  - For WebSphere Application Server, type “**ws\_ant**” on the command prompt and press enter.
  - For Oracle 10g Application Server, type “**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\_8.0.0.0.0.0Lot1/SSI/Utilities/Java-install*

- ✓ On the command prompt type **set\_env.sh** and press enter.

- ✓ Change directory to,

*/home/kernel/FC\_UBS\_V.UM\_8.0.0.0.0.0Lot1/SSI/Utilities/Java-install*

*/\$APP\_SERVER\_NAME*

- ✓ Execute the build file,
  - For WebSphere Application Server, type “**ws\_ant**” on the shell prompt and press enter.
  - For Oracle 10g Application Server, type “**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.



KERNEL\_INSTALL\_DIR  
R\_Structure.xls

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

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## 3. FLEXCUBE UBS Inbound Application Adapter Installation

### 3.1 EJB Deployment Pattern

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

### 3.2 Acknowledgement EJB Deployment Pattern

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

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## 4. FLEXCUBE UBS Outbound Application Adapter Installation

### 4.1 MDB Deployment Pattern

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

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## 5. Appendix

### 5.1 JMS Queue Creation

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

### 5.2 Software Requirements

✚ If WebSphere Application Server is chosen as the Integration Application Server.

- ✓ IBM WebSphere MQ 6.0
- ✓ WebSphere Application Server (6.0.2.0)

✚ If Oracle 10g Application Server is chosen as the Integration Application Server.

- ✓ Oracle 10g R3 Application Server (10.1.3)

✚ If IBM WebSphere MQ Server is Bank's Enterprise Message Queue Server.

- ✓ IBM WebSphere MQ 6.0 (with JMS Bindings)

✚ Copy commons-net-1.3.0 and jakarta-oro-2.0.8 to the following directories:

- ✓ For WINDOWS

- <KERNEL\_INSTALL\_DIR>\SSIAD\_EJB\lib
- <KERNEL\_INSTALL\_DIR>\SSIAD\_EJB\_ACK\lib
- <KERNEL\_INSTALL\_DIR>\SSIAD\_MDB\lib

✓ For UNIX

- <KERNEL\_INSTALL\_DIR>/ SSIAD\_EJB /lib
- <KERNEL\_INSTALL\_DIR>/ SSIAD\_EJB\_ACK /lib
- <KERNEL\_INSTALL\_DIR>/ SSIAD\_MDB /lib



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