Installation Document
Oracle FLEXCUBE Universal Banking
Release 12.3.0.0.0
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1. Introduction

1.1 Scope of the Document

- ✓ This document is the initial guide to the implementation of all 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

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 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 <u>or</u> */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) <u>or</u> */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_8.0.0.0.0.0.0Lot1/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_DI
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)

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)

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

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- <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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