

Oracle FLEXCUBE Universal Banking Integration Guide

Oracle Banking Virtual Account Management

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## Oracle FLEXCUBE Universal Banking Integration Guide

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/](http://www.oracle.com/financialservices/)

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# Table of Contents

<b>1.</b>	<b>ABOUT THIS MANUAL.....</b>	<b>1-1</b>
1.1	PURPOSE.....	1-1
1.2	AUDIENCE .....	1-1
1.3	LIST OF CHAPTERS.....	1-1
<b>2.</b>	<b>INTEGRATION GUIDE .....</b>	<b>2-1</b>
2.1	INTRODUCTION .....	2-1
2.2	MAINTENANCE FOR ORACLE FLEXCUBE UNIVERSAL BANKING.....	2-1
2.3	STRUCTURED ADDRESS REPLICATION IN ORACLE FLEXCUBE UNIVERSAL BANKING MINICORE .....	2-6
2.4	MAINTENANCE FOR ORACLE BANKING VIRTUAL ACCOUNT MANAGEMENT.....	2-9

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# 1. About this Manual

## 1.1 Purpose

This guide is to help with Integration of Oracle Banking Virtual Account Management Product with Oracle FLEXCUBE Universal Banking.

## 1.2 Audience

This guide is primarily intended for the following user/user roles:

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software

## 1.3 List of Chapters

Following is the list of chapters in this document:

Chapters	Description
Chapter 1	Provides information on the intended audience. It also lists the various chapters covered in this manual.
Chapter 2	This chapter helps you to Integrate Oracle Banking Virtual Management product with Oracle FLEXCUBE Universal Banking.

## 2. Integration Guide

### 2.1 Introduction

You can integrate Oracle Banking Virtual Account Management with Oracle FLEXCUBE Universal Banking. This document briefs you about the specific steps needed for integration of these two products and specific maintenances.

### 2.2 Maintenance for Oracle FLEXCUBE Universal Banking

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for particular source system by doing maintenance in the below mentioned screens.

#### 1. CODSORCE – Upload Source Maintenance

**Figure 1: Upload Source Maintenance**

The screenshot displays the 'Upload Source Maintenance' window. At the top, there is a header bar with 'Multi Factor Not Authenticated', 'Entity : ENTITY\_ID1', 'Branch : 000', '2014-01-01', 'Window', 'Default Admin User2', and 'CODSORCE'. Below this is a menu bar with 'Workflow' and 'Preferences'. The main area contains a form with the following fields: 'Source Code \* OBVAM', 'Source Description Oracle Banking Virtual Ac...', 'Base Data From FLEXCUBE', and 'System Authorization Required'. An 'Information Message' dialog box is centered on the screen, showing a yellow information icon and the text 'Record Successfully Saved and Authorized'. At the bottom of the dialog is an 'Ok' button. The bottom status bar of the window shows 'Maker ADMINUS...', 'Checker ADMINUSER2', 'Date Time: 2014-01-01 10:45:30', 'Record Status Open', 'Authorization Authorized Status', and an 'Exit' button.

## 2. CODUPLDM – Upload Source Preferences Maintenance – For modules IF, CA and ST

**Figure 2: Upload Source Preferences Maintenance – IF Module**

The screenshot shows the 'Upload Source Preferences Maintenance' window for the IF module. The window has a title bar with 'Multi Factor Not Authenticated', 'Entity : ENTITY\_ID1', 'Branch : 000', '2014-01-01', 'Window', 'Default Admin User2', and 'CODUPLDM'. Below the title bar is a menu bar with 'Workflow' and 'Preferences'. The main area contains the following fields and controls:

- Source Code \***: OBVAM
- Module Code \***: IF
- Error Handling**:
  - On Error \***: Reject (dropdown)
  - On Override \***: Ignore (dropdown)
  - On Repairable Exception**: Reject (dropdown)
  - On Queue Exception**: Reject (dropdown)
- Post Upload**:
  - Status \***: Authorized (dropdown)
  - Purge Days**:
    - ☐ Allow Deferred Processing
    - ☐ Allow EOD with Deferred
    - ☐ Deletion Allowed
- Function ID Preference**:
  - Maker**: ADMINUSER2
  - Checker**: ADMINUSER2

An **Information Message** dialog box is displayed in the center, showing the message: "Record Successfully Saved and Authorized". The dialog box has a yellow information icon and a blue 'OK' button. The main window has an 'Exit' button in the bottom right corner.

**Figure 3: Upload Source Maintenance – CA Module**

The screenshot shows the 'Upload Source Preferences Maintenance' window for the CA module. The window has a title bar with 'Multi Factor Not Authenticated', 'Entity : ENTITY\_ID1', 'Branch : 000', '2014-01-01', 'Window', 'Default Admin User2', and 'CODUPLDM'. Below the title bar is a menu bar with 'Workflow' and 'Preferences'. The main area contains the following fields and controls:

- Source Code \***: OBVAM
- Module Code \***: CA
- Error Handling**:
  - On Error \***: Reject (dropdown)
  - On Override \***: Ignore (dropdown)
  - On Repairable Exception**: Reject (dropdown)
  - On Queue Exception**: Reject (dropdown)
- Post Upload**:
  - Status \***: Authorized (dropdown)
  - Purge Days**:
    - ☐ Allow Deferred Processing
    - ☐ Allow EOD with Deferred
    - ☐ Deletion Allowed
- Function ID Preference**:
  - Maker**: ADMINUSER2
  - Checker**: ADMINUSER2

An **Information Message** dialog box is displayed in the center, showing the message: "Record Successfully Saved and Authorized". The dialog box has a yellow information icon and a blue 'OK' button. The main window has an 'Exit' button in the bottom right corner.

**Figure 4: Upload Source Maintenance – ST Module**

Multi Factor Not Authenticated Entity : ENTITY\_ID1 Branch : 000 2014-01-01 Window Default Admin User2 CODUPLD

Workflow Preferences

Upload Source Preferences Maintenance

New Copy Close Unlock Print Enter Query

Source Code \* OBVAM

Module Code \* ST

**Error Handling**

On Error \* Reject

On Override \* Ignore

On Repairable Exception Reject

On Queue Exception Reject

**Post Upload**

Status \* Authorized

Purge Days

Allow Deferred Processing

Allow EOD with Deferred

Deletion Allowed

**Information Message**

Information Message

Record Successfully Saved and Authorized

Function ID Preference

Maker ADMINUSER2

Checker ADMINUSER2

Exit

### 3. GWDETSYS – External System Maintenance

**Figure 5: External System Maintenance**

Multi Factor Not Authenticated Entity : ENTITY\_ID1 Branch : 000 2014-01-01 Window Default Admin User2 GWDETSY:

Workflow Preferences

External System Maintenance

New Copy Close Unlock Print Enter Query

**External System**

External System \* OBVAM

Description Oracle Banking Virtual Ac

**Correlation Pattern**

Request Message ID

**Message Exchange Pattern**

Request Message Full Screen

Response Message Full Screen

XSD Validation Required

**Queue**

Default Response Queue

Dead Letter Queue

Register Response Queue Message Id

**External System Queues**

1 Of 1

Go

In Queue	Response Queue
<input checked="" type="checkbox"/>	MDB_QUEUE

**Information Message**

Information Message

Record Successfully Saved and Authorized

FTP Parameters | Fields

Maker ADMINUSER2

Checker ADMINUSER2

Exit

4. GWDETFUN – External System Functions – for below function and actions.

**Figure 6: External System Functions**

Multi Factor Not Authenticated Entity : ENTITY\_ID1 Branch : 000 2014-01-01 Window Default Admin User2 GWDETFUI

Workflow Preferences

External System Functions

New Copy Close Print Enter Query

External System \* OBVAM  
Function \* IFGEXACC  
Action \* NEW  
Service Name FCUBSIFService  
Operation Code CreateExtAccEcaEntries

Description Oracle Banking Virtual Account Mana  
Bulk SMS Check

Information Message  
Information Message  
Record Successfully Saved and Authorized

Fields  
Maker ADMINUSER2  
Checker ADMINUSER2

Ok Exit

Multi Factor Not Authenticated Entity : ENTITY\_ID1 Branch : 000 2014-01-01 Window Default Admin User2 GWDETFUI

Workflow Preferences

External System Functions

New Copy Close Print Enter Query

External System \* OBVAM  
Function \* STQVALAC  
Action \* VIEW  
Service Name FCUBSAccService  
Operation Code QueryCustAccVal

Description Oracle Banking Virtual Account Mana  
Bulk SMS Check

Information Message  
Information Message  
Record Successfully Saved and Authorized

Fields  
Maker ADMINUSER2  
Checker ADMINUSER2

Date Time: 2014-01-01 10:59:43  
Authorization Open  
Status Authorized

Ok Exit



Multi Factor Not Authenticated   Entity : ENTITY\_ID1   Branch : 000   2014-01-01   Window   Default Admin User2   GWDETGUI

Workflow   Preferences


### External System Functions

New   Copy   Close   Print   Enter Query

External System * OBVAM	Description	Oracle Banking Virtual Account Mana
Function * CAGECABL		
Action * NEW		<input type="checkbox"/> Bulk SMS Check
Service Name FCUBSCAService		
Operation Code CreateEcabl		

**Information Message**

Information Message

 Record Successfully Saved and Authorized

Fields

Maker ADMINUSER2   Checker ADMINUSER2   Date Time: 2014-01-01 11:00:40   Authorization Status   Open   **Ok**   **Exit**

Multi Factor Not Authenticated   Entity : ENTITY\_ID1   Branch : 000   2014-01-01   Window   Default Admin User2   GWDETGUI

Workflow   Preferences


### External System Functions

New   Copy   Close   Print   Enter Query

External System * OBVAM	Description	Oracle Banking Virtual Account Mana
Function * CAGECABL		
Action * CLOSE		<input type="checkbox"/> Bulk SMS Check
Service Name FCUBSCAService		
Operation Code CloseEcabl		

**Information Message**

Information Message

 Record Successfully Saved and Authorized

Fields

Maker ADMINUSER2   Checker ADMINUSER2   Date Time: 2014-01-01 11:01:31   Authorization Status   Open   **Ok**   **Exit**

## 2.3 Structured Address Replication in Oracle FLEXCUBE Universal Banking Minicore

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for Structured Address for particular source system by doing maintenance in the below mentioned screens, to use the web services exposed by Oracle FLEXCUBE Universal Banking Minicore for Structured Address so that we can push the data from Oracle Banking Virtual Account Management Common Core to Oracle FLEXCUBE Universal Banking Minicore.

1. GWDETSYS – External System Maintenance - for below function and actions.

External System: Oracle Banking Virtual Account Management

Function Id: STGACCAD

Click **Enter Query** and following are the list of operations:

- Authorize
- Modify
- Close
- Reopen

Click on any Function Id and execute query. Record will be saved and authorized successfully.

**Figure 7: External System Functions**

The screenshot shows a window titled 'External System Functions' with a sub-header 'List of Values Function'. Below this, there is a 'Case Sensitive' section with input fields for 'Function Id' (containing 'STGACCAD%'), 'Service Name' (containing '%'), 'Action' (containing '%'), and 'Operation' (containing '%'). A 'Fetch' button is located to the right of the 'Operation' field. Below the search fields is a 'Search Results' section with a table. The table has four columns: 'Function Id', 'Action', 'Service Name', and 'Operation'. The table contains two rows of data. At the bottom of the window, there is a yellow 'Ok' button.

Function Id	Action	Service Name	Operation
STGACCAD	DELETE	FCUBSCoreentitiesService	DeleteSTDACCAD
STGACCAD	AUTHORIZE	FCUBSCoreentitiesService	AuthorizeSTDACCAD

External System Functions - Transaction Branch Code : 000

New Copy Close Print Enter Query

External System \* OBVAM  
Function \* STGACCAD  
Action \* UNLOCK  
Service Name FCUBSCoreentitiesService  
Operation Code ModifySTDACCAD

Description Oracle Banking Virtual Account  
Bulk SMS Check

Fields

Maker ADMINUSER1	Date Time: 2020-03-26 11:47:23	Mod No 1	Record Status Open
Checker ADMINUSER1	Date Time: 2020-03-26 11:47:23	Authorization Status	Authorized

Exit

External System Functions - Transaction Branch Code : 000

New Copy Close Print Enter Query

External System \* OBVAM  
Function \* STGACCAD  
Action \* CLOSE  
Service Name FCUBSCoreentitiesService  
Operation Code CloseSTDACCAD

Description Oracle Banking Virtual Account  
Bulk SMS Check

Information Message

Information Message

Record Successfully Saved and Authorized

Ok

Fields

Maker ADMINUSER1	Date Time: 2020-03-26 12:58:21	Authorization Status	Authorized
------------------	--------------------------------	----------------------	------------

Exit

External System Functions - Transaction Branch Code : 000

New Copy Close Print Enter Query

External System \* OBVAM  
Function \* STGACCAD  
Action \* REOPEN  
Service Name FCUBSCoreentitiesService  
Operation Code ReopenSTDACCAD

Description Oracle Banking Virtual Account  
Bulk SMS Check

Information Message

Information Message

Record Successfully Saved and Authorized

Ok

Fields

Maker ADMINUSER1	Date Time: 2020-03-26 13:13:45	Authorization Status	Authorized
------------------	--------------------------------	----------------------	------------

Exit



## 2.4 Maintenance for Oracle Banking Virtual Account Management

1. Maintain ECA system in common core for Oracle FLEXCUBE Universal Banking.

**Navigation Route: Core Maintenance > ECA System > Create ECA System**

**Figure 9: ECA System**

The screenshot shows the 'ECA System' form. At the top, there are buttons: 'New', 'Copy', 'Unlock', 'Close', and 'Print'. Below these, the form has two main input fields: 'Source System' with the value 'FCUBS144' and 'Description' with the value '14.4 FCUBS Integrated'. At the bottom left, there is an 'Audit' button.

2. Common Core External Customer should replicate the 'Real Customer' from Oracle FLEXCUBE Universal Banking. In addition, the source system should be the one created in step 1.

**Navigation Route: Core Maintenance > External Customer > Create external Customer**

**Figure 10: External Customer**

The screenshot shows the 'External Customer' form. At the top, there are buttons: 'New', 'Copy', 'Unlock', 'Close', and 'Print'. Below these, the form is divided into several sections: 'Customer Details' with fields for 'Customer Number' (000463), 'Customer Name' (ATOZ Solutions), 'Short Name', 'Customer Type' (Individual, Corporate, Bank), 'Source Customer ID' (000463), 'Source System' (FCUBS144, highlighted with a yellow box), and 'Customer Category'. The 'Address' section includes 'Address Line 1' (81), 'Address Line 2' (Church Road), 'Address Line 3' (Earley), 'Address Line 4' (Berkshire), 'Country', and 'Postal Code'. The 'Other Details' section includes 'Deceased', 'Frozen', 'Whereabouts Unknown', and 'Sanction Check Required', each with a corresponding radio button.

3. Common Core 'External Account' should replicate the 'Real Account' from Oracle FLEXCUBE Universal Banking. In addition, here, the "External Credit Approval System" should be the source system maintained in step 1.

**Navigation Route: Core Maintenance > External Customer Account > Create External Customer Account**

**Figure 11: External Customer Account**

External Customer Account

New Copy Unlock Close Print

**Account Details**

Customer Account Number \* 000000463018

Account Name \* ATOZ Solutions

Customer Number \* 000463

Account Class Normal Account

Account Currency \* GBP

Source Account Branch \* 000

Customer Name ATOZ Solutions

Source Customer Account \* 000000463018

Account IBAN

**Address**

Address Line 1 81

Address Line 2 Church Road

Address Line 3 Earley

Address Line 4 Berkshire

Country

**Other Details**

No Credit ☐

No Debit ☐

Blocked ☐

Frozen ☐

Dormant ☐

External Credit Approval Required ☐

External Credit Approval System \* FCUBS144

Host Code \* HOST2

Account Open Date Apr 1, 2018

Audit

4. Common Core 'External Chart' should replicate the GL value from Oracle FLEXCUBE Universal Banking. The GL should be present in STTB\_ACCOUNT table in Oracle FLEXCUBE Universal Banking.

**Navigation Route: Maintenance > External Chart Account > Create external Chart Account**

**Figure 12: External Charts**

External Charts

New Copy Unlock Close Print

General Ledger Code  
261100005

General Ledger Description  
261100005

Source System  
FCUBS143

Source System GL Code  
261100005

Category  
Asset

Blocked  
Off

Audit

5. Maintain valid transaction code from Oracle FLEXCUBE Universal Banking.

**Navigation Route: Core Maintenance > Transaction Code > Create Transaction Code**

**Figure 13: Transaction Code**

Transaction Code

New Copy Unlock Close Print

Transaction Code \*  
000

Description  
immediate credit

Source System  
FCUBS144

Source Transaction Code  
000

Audit

6. Maintain external DDA details the offset GL, and EAC required check as below.

**Navigation Route: Virtual Account Management > Configuration > External DDA System > Create External DDA System**

- Pick DDA offset GL maintained in common core external chart.
- Specify EAC is required or Not.

**Figure 14: External DDA System**

External DDA System			
ECA System			
FCUBS144			
System Preferences			
EAC URL	Account Entries URL	ECA URL	Package Structure
Default Offset GL	DDA User ID	EAC Required	
173000004		<input checked="" type="checkbox"/>	