

FCUBS - OBVAM Integration Guide  
Oracle Banking Virtual Account Management

Release 14.5.0.0.0

Part Number F41346-01

May 2021





## **FCUBS - OBVAM 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/)

Copyright © 2018, 2021, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

---

# Table of Contents

<b>1. 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
1.4 ACRONYM AND ABBREVIATION .....	1-1
<b>2. INTEGRATION GUIDE .....</b>	<b>2-1</b>
2.1 INTRODUCTION .....	2-1
2.2 MAINTENANCE FOR FCUBS.....	2-1
2.3 STRUCTURED ADDRESS REPLICATION IN FCUBS MINICORE .....	2-6
2.4 MAINTENANCE FOR OBVAM.....	2-9

---

# 1. About this Manual

## 1.1 Purpose

This manual is to help with Integration of Oracle Banking Virtual Account Management Product with 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:

Role	Function
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 FLEXCUBE Universal Banking.

## 1.4 Acronym and Abbreviation

Following are some of the acronyms and abbreviations you are likely to find in the manual:

Abbreviation	Description
FCUBS	FLEXCUBE Universal Banking
OBVAM	Oracle Banking Virtual Account Management

## 2. Integration Guide

### 2.1 Introduction

You can integrate Oracle Banking Virtual Account Management with 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 FCUBS

Gateway setup should be done in FCUBS for particular source system (OBVAM) 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 within the CDSORCE application. The window title bar includes 'Multi Factor Not Authenticated', 'Entity : ENTITY\_ID1', 'Branch : 000', '2014-01-01', 'Window', 'Default Admin User2', and 'CDSORCE'. The main area contains a form with the following fields:

- Source Code \***: OBVAM
- Source Description**: Oracle Banking Virtual Ac
- Base Data From FLEXCUBE**: (checkbox)
- System Authorization Required**: (checkbox)

An 'Information Message' dialog box is overlaid on the form, displaying the message: 'Record Successfully Saved and Authorized'. The dialog box has an 'Ok' button.

The bottom status bar shows the following information:

- Maker: ADMINUS
- Checker: ADMINUSER2
- Date Time: 2014-01-01 10:45:30
- Authorization: Authorized
- Status: Open
- 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 GWDETSYS

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

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 FCUBS Minicore

Gateway setup should be done in FCUBS for Structured Address for particular source system (OBVAM) by doing maintenance in the below mentioned screens, to use the web services exposed by FCUBS Minicore for Structured Address so that we can push the data from OBVAM Common Core to FCUBS Minicore.

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

External System: OBVAM

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 web application window titled 'External System Functions'. It contains a search form with fields for 'Function Id' (STGACCAD%), 'Service Name' (%), and 'Operation' (%). A 'Fetch' button is present. Below the search form, there is a 'Search Results' section with a table. The table has four columns: 'Function Id', 'Action', 'Service Name', and 'Operation'. It displays two rows of data. At the bottom of the window, there is an '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 OBVAM

1. Maintain ECA system in common core for FCUBS.

**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 'Source System' field is populated with 'FCUBS144' and the 'Description' field is populated with '14.4 FCUBS Integrated'. At the bottom left, there is an 'Audit' button.

2. Common Core External Customer should replicate the 'Real Customer' from FCUBS. 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', 'Address', and 'Other Details'. In the 'Customer Details' section, the 'Source System' field is highlighted with a yellow box and contains the value 'FCUBS144'. Other fields include 'Customer Number' (000463), 'Customer Name' (ATOZ Solutions), 'Short Name', 'Customer Type' (Individual, Corporate, Bank), 'Source Customer ID' (000463), 'Customer Category', and 'Relationship Manager ID'. 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 toggle switch.

3. Common Core 'External Account' should replicate the 'Real Account' from FCUBS. 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**

The screenshot displays the 'External Customer Account' form, which is divided into several sections. At the top, there are tabs for 'New', 'Copy', 'Unlock', and 'Close', along with a 'Print' button. The 'Account Details' section includes fields for '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), and 'Source Customer Account' (000000463018). The 'Address' section contains fields for 'Address Line 1' (81), 'Address Line 2' (Church Road), 'Address Line 3' (Earley), 'Address Line 4' (Berkshire), and 'Country'. The 'Other Details' section includes toggle switches for 'No Credit', 'No Debit', 'Blocked', and 'Frozen', as well as a dropdown for 'External Credit Approval System' (FCUBS144) and a field for 'Host Code' (HOST2). The 'Account Open Date' is set to Apr 1, 2018. An 'Audit' button is located at the bottom left.

External Customer Account			
<b>Account Details</b>			
Customer Account Number *	Account Name *	Customer Number *	Customer Name
000000463018	ATOZ Solutions	000463	ATOZ Solutions
Account Class	Account Currency *	Source Account Branch *	Source Customer Account *
Normal Account	GBP	000	000000463018
Account IBAN			
<b>Address</b>			
Address Line 1	Address Line 2	Address Line 3	Address Line 4
81	Church Road	Earley	Berkshire
Country			
<b>Other Details</b>			
No Credit	No Debit	Blocked	Frozen
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dormant	External Credit Approval Required	External Credit Approval System *	Host Code *
<input type="radio"/>	<input type="radio"/>	FCUBS144	HOST2
Account Open Date			
Apr 1, 2018			
Audit			

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

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

**Figure 12: External Charts**

The screenshot shows the 'External Charts' form. At the top, there are buttons for 'New', 'Copy', 'Unlock', 'Close', and 'Print'. The form contains the following fields:

- General Ledger Code:** 261100005
- General Ledger Description:** 261100005
- Source System:** FCUBS143 (highlighted in yellow)
- Source System GL Code:** 261100005
- Category:** Asset (dropdown menu)
- Blocked:** Off
- Audit:** (button at the bottom left)

5. Maintain valid transaction code from FCUBS.

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

**Figure 13: Transaction Code**

The screenshot shows the 'Transaction Code' form. At the top, there are buttons for 'New', 'Copy', 'Unlock', 'Close', and 'Print'. The form contains the following fields:

- Transaction Code \*:** 000
- Description:** immediate credit
- Source System:** FCUBS144 (with a search icon)
- Source Transaction Code:** 000
- Audit:** (button at the bottom left)

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"/>	