

FCUBS - OBVAM Integration Guide
Oracle Banking Virtual Account Management

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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/

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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

Multi Factor Not Authenticated Entity : ENTITY_ID1 Branch : 000 2014-01-01 Window Default Admin User2 CODSORCE

Workflow Preferences

Upload Source Maintenance

New Copy Close Unlock Print Enter Query

Source Code * OBVAM

Source Description Oracle Banking Virtual Account

Base Data From FLEXCUBE

System Authorization Required

Information Message

Information Message

Record Successfully Saved and Authorized

Ok

Maker ADMINUS... Record Status Open

Checker ADMINUSER2 Date Time: 2014-01-01 10:45:30 Authorization Authorized Status

Exit

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 'Workflow' tab and a 'Preferences' tab. 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 a yellow information icon and the text 'Record Successfully Saved and Authorized'. An 'Exit' button is located at the bottom right of the window.

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 'Workflow' tab and a 'Preferences' tab. 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 a yellow information icon and the text 'Record Successfully Saved and Authorized'. An 'Exit' button is located at the bottom right of the window.

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 Account

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

Information Message

Information Message

Record Successfully Saved and Authorized

FTP Parameters | Fields

Maker ADMINUSER2 Date

Checker ADMINUSER2 Date

Exit

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

Figure 6: External System Functions

The screenshot shows the 'External System Functions' window with the following details:

- External System:** * OBVAM
- Function:** * IFGEXACC
- Action:** * NEW
- Service Name:** FCUBSIFService
- Operation Code:** CreateExtAccEcaEntries
- Description:** Oracle Banking Virtual Account Mana
- Bulk SMS Check:** ☐

An 'Information Message' dialog box is displayed in the center, stating: 'Record Successfully Saved and Authorized'. The dialog has 'Ok' and 'Exit' buttons.

At the bottom of the window, the 'Fields' section shows: 'Maker ADMINUSER2' and 'Checker ADMINUSER2'. The 'Status' field is partially visible as 'Authorized'.

The screenshot shows the 'External System Functions' window with the following details:

- External System:** * OBVAM
- Function:** * STQVALAC
- Action:** * VIEW
- Service Name:** FCUBSAccService
- Operation Code:** QueryCustAccVal
- Description:** Oracle Banking Virtual Account Mana
- Bulk SMS Check:** ☐

An 'Information Message' dialog box is displayed in the center, stating: 'Record Successfully Saved and Authorized'. The dialog has 'Ok' and 'Exit' buttons.

At the bottom of the window, the 'Fields' section shows: 'Maker ADMINUSER2' and 'Checker ADMINUSER2'. The 'Date Time' is '2014-01-01 10:59:43'. The 'Authorization' status is 'Open'.

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 Description Oracle Banking Virtual Account Mana

Function * CAGECABL Bulk SMS Check

Action * NEW

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 Authorized Status Open 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 Description Oracle Banking Virtual Account Mana

Function * CAGECABL Bulk SMS Check

Action * CLOSE

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 Authorized Status Open 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' (set to 'STGACCAD%'), 'Service Name' (set to '%'), and 'Action' (set to '%'). There is a 'Fetch' button. 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 results. At the bottom left of the window, there is a yellow information icon and the text 'Ok'.

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	Exit
Checker ADMINUSER1	Date Time: 2020-03-26 11:47:23		Authorization Authorized Status	

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

Fields

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

Fields

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

2. GWSETFUN – External System Functions - for below function and actions.

External System: OBVAM

Function Id: STGACCAD

Figure 8: External System Function Summary

The screenshot shows a web application window titled "External System Function Summary". At the top, there is a toolbar with buttons: Save, Export, Refresh, Reset, Clear All, and Details. Below the toolbar, there is a "Case Sensitive" section with three input fields: "Authorization Status" (a dropdown menu), "Function" (a text box containing "STGACCAD"), and "External System" (a text box containing "OBVAM"). To the right of these fields, there are two more input fields: "Record Status" (a dropdown menu) and "Action" (a text box). Below the input fields, there is a table with the following columns: Authorization Status, Record Status, Function, Action, and External System. The table contains four rows of data, all with "Authorized" in the Authorization Status column and "Open" in the Record Status column. The Function column contains "STGACCAD" for all rows. The Action column contains "CLOSE", "NEW", "REOPEN", and "UNLOCK" for the four rows respectively. The External System column contains "OBVAM" for all rows. Below the table, there is a pagination bar showing "Records per page" (15), "1 Of 1", and a "Go" button. There is also a "Lock Columns" dropdown menu set to "0". At the bottom right of the window, there is an "Exit" button.

Authorization Status	Record Status	Function	Action	External System
Authorized	Open	STGACCAD	CLOSE	OBVAM
Authorized	Open	STGACCAD	NEW	OBVAM
Authorized	Open	STGACCAD	REOPEN	OBVAM
Authorized	Open	STGACCAD	UNLOCK	OBVAM

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, there are two 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 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, there are 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), and 'Customer Category'. 'Address' section with fields for 'Address Line 1' (81), 'Address Line 2' (Church Road), 'Address Line 3' (Earley), 'Address Line 4' (Berkshire), and 'Country'. 'Other Details' section with fields for 'Deceased', 'Frozen', 'Whereabouts Unknown', and 'Sanction Check Required'.

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

External Customer Account

New Copy Unlock Close Print

Account Details

Customer Account Number * 000000463018 Account Name * ATOZ Solutions Customer Number * 000463 Customer Name ATOZ Solutions

Account Class Normal Account Account Currency * GBP Source Account Branch * 000 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

- 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

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 FCUBS.

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

Figure 13: Transaction Code

The screenshot shows a web form titled "Transaction Code". At the top, there are buttons for "New", "Copy", "Unlock", "Close", and "Print". The form contains two main sections. The first section has a "Transaction Code" field with the value "000" and a "Description" field with the value "immediate credit". The second section has a "Source System" field with the value "FCUBS144" and a "Source Transaction Code" field with the value "000". At the bottom left, there is an "Audit" button.

6. Maintain external DDA details (i.e., WSDL links for web services required to post a transaction) 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.
- Provide valid user ID for the system to login to FCUBS successfully.

Figure 14: External DDA System

The screenshot shows a web form titled "External DDA System". At the top, there are buttons for "New", "Copy", "Unlock", "Close", and "Print". The form contains several fields. The "ECA System" field has the value "FCUBS144". Below this is a "System Preferences" section. It includes an "EAC URL" field with the value "/FCUBSAccService/FCUBSAccService?W", an "Account Entries URL" field with the value "FCUBSIFService/FCUBSIFService?WSDL", an "ECA URL" field with the value "/FCUBSCAService/FCUBSCAService?WS", and a "Package Structure" field with the value "oracle.fsgbu.obvam.dda.services.FCUBS". There is also a "Default Offset GL" field with the value "173000009" and a "DDA User ID" field with the value "ADMINUSER1". A toggle switch for "EAC Required" is currently turned on. At the bottom left, there is an "Audit" button, and at the bottom right, there are "Save" and "Cancel" buttons.

External System Functions

NewCopyClosePrintEnter Query

External System * OBVAM

Function * STGACCAD

Action * REOPEN

Service Name FCUBSCoreentitiesService

Operation Code ReopenSTDACCAD

Description Oracle Banking Virtual Account

Bulk SMS Check

Fields

Maker ADMINUSER1

Checker ADMINUSER1

Date Time: 2020-03-26 13:13:45

Date Time: 2020-03-26 13:13:45

Mod No 1

Record Status Open

Authorization Authorized Status

Exit