

OBDX - OBVAM Integration Guide
Oracle Banking Virtual Account Management

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1. About this Manual

1.1 Purpose

This manual is to help with Integration of Oracle Banking Virtual Account Management with Oracle Banking Digital Experience Product.

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

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 Digital Experience with Oracle Banking Virtual Account Management product.

1.4 Acronym and Abbreviation

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

Abbreviation	Description
OBDX	Oracle Banking Digital Experience
OBVAM	Oracle Banking Virtual Account Management

2. Integration Guide

2.1 Introduction

You can integrate Oracle Banking Virtual Account Management with Oracle Banking Digital Experience product. This document briefs you about the specific steps needed for Integration of these two products and specific maintenances.

2.2 Maintenance for OBVAM

This section describes the specific maintenances needed for Oracle Banking Virtual Account Management (OBVAM) to integrate the same with Oracle Banking Digital Experience (OBDX).

1. Create a user for OBDX and assign role for user to perform service API operations in OBVAM.

Navigation Route: Security Management > User > Create User

Figure 1: User Maintenance

The screenshot shows a 'Users Maintenance' window with three main sections: UserDetails, Status, and Other Details. Each section contains a table of user information.

UserDetails			
Username *	Login ID *	Home Branch *	
OBDX01	OBDX01	000	

Status			
User Status *	Status Changed On *	Is Supervisor *	Manager ID *
Enable	Jan 1, 2020	On	ABCD
Start Date *	End Date		
Jan 1, 2020	Mar 7, 2022		

Other Details			
Access to PII	Email ID *	Telephone Number	Home Phone Number

2. Maintain an entry for OBDX in Upload Source Code.

Navigation Route: Core Maintenance > Upload Source > Create Upload Source

Figure 2: Create Upload Source

Create Upload Source

New

Source Code
OBDX

Source Description
Oracle Banking Digital Experience

Base Data From Flexcube ☐

System Authorization Required ☒

Save Cancel

2.3 OAuth Token Generation

From OBVAM 14.4, for accessing service APIs, we have to pass OAuth token (prior versions - JWT token) as one of the headers.

Follow the below steps for OAuth token generation:

1. Generate JWT token by using below endpoint and headers. (same as prior version)

Make HTTP POST call to the below endpoint.

URL: `http://<hostname>:<port>/api-gateway/platojwtauth/`

Header : `appld: SECSRV001`

Header: `content-Type:application/json`

In the POST body, mention the Base64 encoded username as username and Base64 password as password in the JSON format.



2. Registering clients for OAuth –

Make HTTP POST call to the below endpoint.

End Point: `http://<hostname>:<port>/api-gateway/createOAuthUsers`

Header: **appld:** SECSRV001

Header: **Content-Type:** application/json

Header: **userId:** <USERID>

Header: **Authorization:** Bearer <<JWT token created in step 1>>

In Request Body, ClientId should be the OBVAM User Id created for OBDX and ClientSecret should be the secret password for the OAuth client registration. In addition, validity mentioned here is the seconds for which the token is active.

```
Body
{
  "UserList": [
    {
      "clientId": "client1",
      "clientSecret": "secret1",
      "validity": "86400"
    },
    {
      "clientId": "client2",
      "clientSecret": "secret2",
      "validity": "86400"
    }
  ]
}
```

3. Generate OAuth Token

To get the OAuth token, make HTTP POST call to the below endpoint with the clientId and clientSecret created in step 2.

URL: http://<<hostname>>:<<port>>/api-gateway/platojwtauth/

Header : appld: SECSRV001

Header: content-Type:application/json

Header: sourceCode: <SOURCECODE> → Source Code Created for OBDX in 2.2

In the POST body, mention the Base64 encoded clientId as username and Base64 clientSecret as password in the JSON format.

The response will be as shown below:

Oauth Token Response

```
{
  "scope": <SCOPES_GRANTED_TO_THE_TOKEN>,
  "token_type": "bearer",
  "expires_in": <EXPIRY_TIME_IN_SECONDS>,
  "token": <OAUTH_ACCESS_TOKEN>
}
```

Use the OAuth token, userId and sourceCode as headers in OBDX setup, to access OBVAM Service APIs.

Params	Authorization	Headers (13)	Body ●	Pre-request Script	Tests	Settings
Headers 7 hidden						
		KEY	VALUE			
<input checked="" type="checkbox"/>		appld	VAM			
<input checked="" type="checkbox"/>		userId	OBDX01			
<input checked="" type="checkbox"/>		Content-Type	application/json			
<input checked="" type="checkbox"/>		branchCode	HEL			
<input checked="" type="checkbox"/>		Authorization	Bearer 13bb8909-f717-4613-9479-584ffa08156c			
<input checked="" type="checkbox"/>		sourceCode	OBDX			