

Oracle Banking Digital Experience Integration Guide

Oracle Banking Virtual Account Management

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1. About this Manual

1.1 Purpose

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

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

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 Digital Experience with Oracle Banking Virtual Account Management.

2. Integration Guide

2.1 Introduction

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

2.2 Maintenance for Oracle Banking Virtual Account Management

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

1. Create a user for Oracle Banking Digital Experience and assign role for user to perform service API operations in Oracle Banking Virtual Account Management.

Navigation Route: Security Management > User > Create User

Figure 1: User Maintenance

The screenshot displays the 'Users Maintenance' form with the following data:

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 Oracle Banking Digital Experience in Upload Source Code.

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

Figure 2: Create Upload Source

The screenshot shows a web form titled "Create Upload Source". At the top left is a "New" button. Below it is a "Source Code" input field containing "OBDX". Underneath is a "Source Description" input field containing "Oracle Banking Digital Experience". To the right of the description field are two toggle switches: "Base Data From Flexcube" (currently off) and "System Authorization Required" (currently on). At the bottom right corner of the form are "Save" and "Cancel" buttons.

2.3 OAuth Token Generation

From Oracle Banking Virtual Account Management, 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: `appId: SECSR001`

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:** SECSR001

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

Header: **userId:** <USERID>

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

In Request Body, ClientId should be the Oracle Banking Virtual Account Management User Id created for Oracle Banking Digital Experience 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: SECSR001

Header: content-Type:application/json

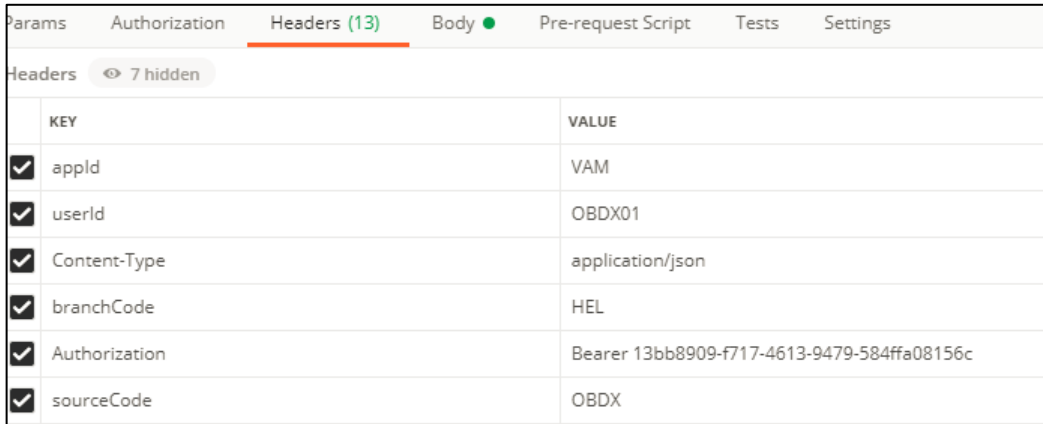
Header: sourceCode: <SOURCECODE> → Source Code Created for Oracle Banking Digital Experience in 2.2

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
{
  "super_user_locale": null,
  "scope": "resource-server-read resource-server-write",
  "super_user": "N",
  "token_type": "bearer",
  "entity_id": "DEFAULTENTITY",
  "expires_in": "588168",
  "token": "38uuHYumJhyKGKEuouaQ988cXLc"
}
```

Use the OAuth token, userId and sourceCode as headers in Oracle Banking Digital Experience setup, to access Oracle Banking Virtual Account Management Service APIs.



	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