

OBDX - OBVAM Integration Guide
Oracle Banking Virtual Account Management

Release 14.4.0.3.0

Part Number F39510-01

February 2021





OBDX - 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/

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

1. ABOUT THIS MANUAL.....	1-1
1.1 PURPOSE.....	1-1
1.2 AUDIENCE	1-1
1.3 LIST OF CHAPTERS.....	1-1
1.4 ACRONYM AND ABBREVIATION	1-1
2. INTEGRATION GUIDE	2-1
2.1 INTRODUCTION	2-1
2.2 MAINTENANCE FOR OBVAM.....	2-1
2.3 OAUTH TOKEN GENERATION	2-2

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.

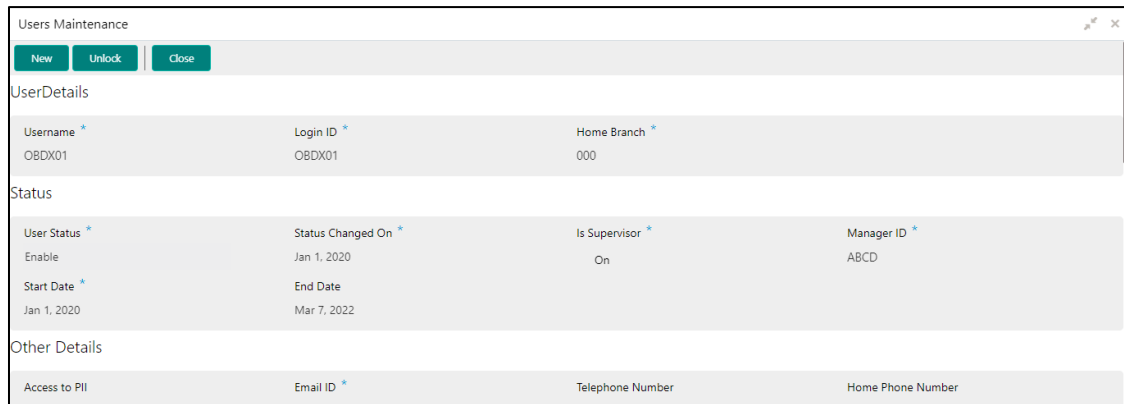
2.2 Maintenance for OBVAM

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 tabs: 'New', 'Unlock', and 'Close'. The 'New' tab is active. The form is divided into three sections: 'UserDetails', 'Status', and 'Other Details'.

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: 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 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 : applId: 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														