# Oracle® Banking Virtual Account Management Oracle Banking Digital Experience Integration Guide





Oracle Banking Virtual Account Management Oracle Banking Digital Experience Integration Guide, Release 14.7.1.0.0

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### **Preface**

#### **Purpose**

This guide describes the systematic instruction to integrate Oracle Banking Virtual Account Management with Oracle Banking Digital Experience and its specific maintenance.

#### **Audience**

This guide is primarily intended for the following user/user roles:

Table 1 Audience

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software

#### **Acronyms and Abbreviations**

The list of the acronyms and abbreviations used in this guide are as follows:

Table 2 Acronyms and Abbreviations

Acronyms	Description
API	Application Programming Interface
JWT	JSON Web Token

#### **List of Topics**

This guide is organized as follows:

Table 3 List of Topics

Topics	Description
Integration Guide	This topic provides information on the integration of Oracle Banking Virtual Account Management with Oracle Banking Digital Experience.



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## **Integration Guide**

This topic provides the information on the integration of Oracle Banking Virtual Account Management with Oracle Banking Digital Experience.

- Maintenance for Oracle Banking Virtual Account Management
   This topic describes the specific maintenance required for Oracle Banking Virtual Account Management to integrate with Oracle Banking Digital Experience.
- OAuth Token Generation
   This topic provides the information to access service APIs by passing OAuth token (prior versions JWT token) as one of the headers from Oracle Banking Virtual Account Management.

# 1.1 Maintenance for Oracle Banking Virtual Account Management

This topic describes the specific maintenance required for Oracle Banking Virtual Account Management to integrate with Oracle Banking Digital Experience.

Specify User ID and Password, and login to Home screen.

#### **User Maintenance**

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

Refer to **Oracle Banking Security Management System User Guide** for a detailed explanation.

- On Home screen, click Security Management. Under Security Management, click User.
- 2. Under User, click Create User.

The Create User screen displays.



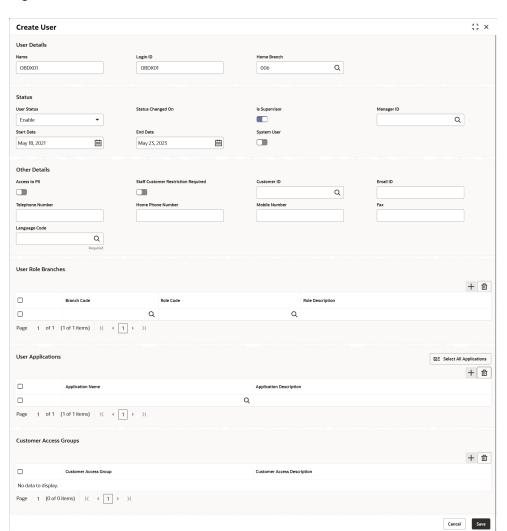


Figure 1-1 Create User

#### **Upload Source Code Maintenance**

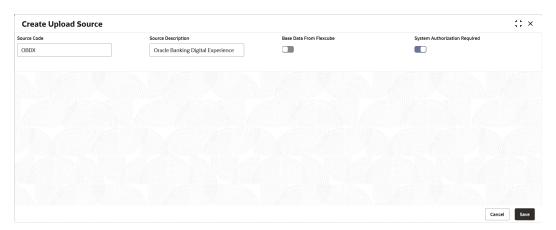
Maintain an entry for Oracle Banking Digital Experience in the **Upload Source** screen. Refer to *Oracle Banking Common Core User Guide* for a detailed explanation.

- On Home screen, click Core Maintenance. Under Core Maintenance, click Upload Source.
- 4. Under Upload Source, click Create Upload Source.

The Create Upload Source screen displays.



Figure 1-2 Create Upload Source



#### 1.2 OAuth Token Generation

This topic provides the information to access service APIs by passing OAuth token (prior versions - JWT token) as one of the headers from Oracle Banking Virtual Account Management.

Follow the below steps for OAuth token generation:

 Generate JWT token by using the below endpoint and headers. (The port used in all the below API calls should be PLATO-APIGATEWAY-ROUTER port)

```
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.

#### **Sample POST body:**

```
{
    "username": "T0JEWDAx",
    "password": "d2VsY29tZQ=="
}
```

2. Registering clients for OAuth

#### Make HTTP POST call to the below endpoint.

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

Header: appId: SECSRV001

Header: content-Type: application/json

Header: userId: <USERID>

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

In Request Body, ClientId should be 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, the validity is mentioned in seconds till when the token is active.

#### Sample Request Body:

#### 3. Generate OAuth Token

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

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

Header: appId: SECSRV001

Header: content-Type: application/json

Header: sourceCode: <SOURCECODE>



Source Code created for Oracle Banking Digital Experience in Figure 1-2 screen.

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

#### **Sample 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": "360000",
    "token":
"eyJraWQiOiI5MmY4ZjA3YS1kMTBiLTQ4YjItYjVkOS0xMGIxZTg2ZjJlMzMiLCJhbGciOiJSUzI1NiJ9.
```

eyJzdWIiOiJESEFSQU5FVTEiLCJhdWQiOiJESEFSQU5FVTEiLCJuYmYiOjE2ODMxNzM5

#### NDgsImlzcyI6

Y24uY29tOjcwMDgvYXBpLWdhdGV3YXkiLCJleHAiOjE2ODM1MzM5NDgsImlhdCI6MTY4MzE3Mzk0OH0.

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

