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

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Oracle Banking Virtual Account Management Oracle Banking Digital Experience Integration Guide, Release 14.6.0.0.0

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Contents

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.

1. 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.

3. 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:

1. Generate JWT token by using the 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: 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:

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

```
        }
    ]
}
```

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>`

   > **Note:**
   >
   > 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": "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.