

# Oracle® Banking Virtual Account Management

## Oracle Banking Digital Experience Integration Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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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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# 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
<a href="#">Integration Guide</a>	This topic provides information on the integration of Oracle Banking Virtual Account Management with Oracle Banking Digital Experience.

# 1

## 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.