

# Oracle® Banking Virtual Account Management Installation Guide



Release 14.7.5.0.0

G15728-01

September 2024

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

ORACLE®

Copyright © 2018, 2024, Oracle and/or its affiliates.

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.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. 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 fail-safe, 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.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about 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 unless otherwise set forth in an applicable agreement between you and Oracle. 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, except as set forth in an applicable agreement between you and Oracle.

# Contents

## Preface

---

|                             |     |
|-----------------------------|-----|
| Purpose                     | v   |
| Audience                    | v   |
| Documentation Accessibility | v   |
| Critical Patches            | vi  |
| Diversity and Inclusion     | vi  |
| Related Resources           | vi  |
| Conventions                 | vi  |
| Acronyms and Abbreviations  | vi  |
| Organization                | vii |
| User Interface              | vii |

## 1 Database Setup

---

## 2 Product Installation Using Installer

---

## 3 Domain Configuration

---

## 4 Data Source Creation

---

## 5 Deployments

---

## 6 Initial Setup

---

## 7 Restart and Refresh

---

8 Workflow Setup

---

9 Logging Area

---

Index

---

# Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Conventions](#)
- [Acronyms and Abbreviations](#)
- [Organization](#)
- [User Interface](#)

## Purpose

This guide helps to install the Oracle Banking Virtual Account Management services on designated environment. It is assumed that all the prior setup is already done related with WebLogic installation, WebLogic managed server creation and Oracle DB installation.



### Note:

For the exact version to be installed, refer to **Software Prerequisites** section in **Release Notes**.

## Audience

This guide is intended for WebLogic admin or ops-web team who are responsible for installing the OFSS banking products.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches](#), [Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Related Resources

The related documents are as follows:

- *Oracle Banking Microservices Platform Foundation Installation Guide*
- *Oracle Banking Virtual Account Management Pre-Installation Guide*
- *Configuration and Deployment Guide*

## Conventions

The following text conventions are used in this document:

| Convention      | Meaning  |
|-----------------|--|
| <b>boldface</b> | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>   | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| monospace       | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

## Acronyms and Abbreviations

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

**Table 1 Acronyms and Abbreviations**

| Abbreviation | Description                           |
|--------------|---------------------------------------|
| CMC          | Common Core                           |
| EOD          | End of Day                            |
| LDAP         | Lightweight Directory Access Protocol |

**Table 1 (Cont.) Acronyms and Abbreviations**

| Abbreviation | Description                |
|--------------|----------------------------|
| SMS          | Security Management System |

## Organization

This guide allows to install the following services in same order:

- OBVAM-ACCOUNT-SERVICES
- OBVAM-CORE-SERVICES
- OBVAM-ECA-SERVICES
- OBVAM-ENTITY-SERVICES
- OBVAM-IEP-SERVICES
- OBVAM-EXTERNAL-DDA-SERVICES
- OBVAM-IDENTIFIER-SERVICES
- OBVAM-INTERNAL-TRANSFER-SERVICES
- OBVAM-STATEMENT-SERVICES
- OBVAM-STMT-ENT-ADAPTER
- OBVAM-TRANSACTION-JOURNAL-SERVICES
- EXTERNAL-LIQUIDITY-MANAGEMENT-SERVICE
- EXTERNAL-INTEREST-ENGINE-SERVICE
- OBVAM-PROJECTION-SERVICES
- VAMLM-CHARGE-SERVICES

## User Interface

Follow the below steps to migrate from existing app-shell build to Foundation app-shell. The UI war is split into individual component server war files. All the component server war files should be deployed in the same managed server.

For Common Core components server, deploy the war files mentioned below:

- app-shell
- cmc-component-server
- moc-component-server
- sms-component-server

For Domain Specific component server, deploy the war file mentioned below:

- obvam-component-server
- obvamlm-component-server

# 1

## Database Setup

This topic describes the database setup for Oracle Banking Virtual Account Management Installation.

It is recommended to create a different schema for each application. The below setup is designed to work with the separate schema for each application.

### **Prerequisites**

Before proceeding with the below setup, make sure that the required schemas are provided.



# 2

## Product Installation Using Installer

This topic describes the information for Oracle Banking Virtual Account Management Installation using Installer.

### Prerequisites

Before proceeding with the installation setup, make sure that the database installation is completed and the required schemas are created.

### Installer Path

The following table provides the download path of the installer.

**Table 2-1** Installer Path

| Application     | Archive Name | OSDC Path  |
|-----------------|--------------|------------|
| OBMA Installer  | obma.zip     | INSTALLER/ |
| OBVAM Installer | obvam.zip    | INSTALLER/ |



### Note:

To install the application using Installer, refer to **Oracle Banking Microservices Architecture Installer Guide**.

# 3

## Domain Configuration

This topic describes the domain configuration for Oracle Banking Virtual Account Management.

### Prerequisites

- The machine should have Java JDK is installed.
- Oracle Fusion Middleware has to be installed on the machine.

 **Note:**

For the exact version to be installed, refer to the **Software Prerequisites** section in **Release Notes**.

- Copy the below files from the OSDC path to <domain>/bin folder
  - pre\_deployment\_setup \ domain-config-deploy.env
  - pre\_deployment\_setup \ weblogic \ setUserOverrides.sh

 **Note:**

For property values, refer to the **Annexure: domain-config-deploy.env** section in **Oracle Banking Virtual Account Management Pre-Installation Guide**.

### List of Domains

It is recommended to create separate domains for Oracle Banking Virtual Account Management applications.

- OBVAM Core Domain
- OBVAM Entities Domain
- OBVAM Inter Entity Positions Domain
- OBVAM Accounts Domain
- OBVAM Identifiers Domain
- OBVAM Transaction Journal Domain
- OBVAM Transaction Internal Booking Domain
- OBVAM DDA Domain
- OBVAM External Credit Assessment Domain
- OBVAM Statements Domain
- OBVAM Statements Entity Aggregator Domain
- OBVAM External Liquidity Management Domain

- OBVAM External Interest Engine Domain
- OBVAM Projection Server Domain
- OBVAM Appshell Domain
- VAMLM Charges Domain

 **Note:**

For creating and configuring the domain, refer to the **Domain and Cluster Configuration** section in *Configuration and Deployment Guide*.

# 4

## Data Source Creation

This topic describes the data source creation for Oracle Banking Virtual Account Management Installation.

### Prerequisites

Before proceeding with deployment setup, make sure that the database and application setup for Oracle Banking Microservices Architecture is done.

### Data Sources List

The below lists of the data sources has to be created on each domain before deployment of the applications onto the managed servers.

**Table 4-1 Data Sources List**

| Serial Number | Service Name           | Data Source Name | Data Source JNDI     | Targets        |
|---------------|------------------------|------------------|----------------------|----------------|
| 1             | obvam-account-services | PLATO            | jdbc/PLATO           | Account Server |
|               |                        | CMC              | jdbc/CMNCORE         |                |
|               |                        | PLATOBATCH       | jdbc/PLATOBATCH      |                |
|               |                        | PLATOFEED        | jdbc/PLATOFEED       |                |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                |
|               |                        | SMS              | jdbc/sms             |                |
|               |                        | VAM              | jdbc/VAM             |                |
| 2             | obvam-core-services    | PLATO            | jdbc/PLATO           | Core Server    |
|               |                        | CMC              | jdbc/CMNCORE         |                |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                |
|               |                        | SMS              | jdbc/sms             |                |
|               |                        | VAC              | jdbc/VAC             |                |
| 3             | obvam-eca-services     | PLATO            | jdbc/PLATO           | ECA Server     |
|               |                        | PLATOBATCH       | jdbc/PLATOBATCH      |                |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                |
|               |                        | SMS              | jdbc/sms             |                |
|               |                        | VAB              | jdbc/VAB             |                |
| 4             | obvam-entity-services  | PLATO            | dbc/PLATO            | Entity Server  |
|               |                        | CMC              | jdbc/CMNCORE         |                |
|               |                        | PLATOBATCH       | jdbc/PLATOBATCH      |                |
|               |                        | PLATOFEED        | jdbc/PLATOFEED       |                |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                |
|               |                        | SMS              | jdbc/sms             |                |
|               |                        | VAE              | jdbc/VAE             |                |

Table 4-1 (Cont.) Data Sources List

| Serial Number | Service Name                                   | Data Source Name | Data Source JNDI     | Targets                       |
|---------------|--|------------------|----------------------|-------------------------------|
| 5             | obvam-iep-services                             | PLATO            | jdbc/PLATO           | Inter Entity Positions Server |
|               |  | PLATOBATCH       | jdbc/PLATOBATCH      |                               |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | VIE              | jdbc/VIE             |                               |
| 6             | obvam-external-dda-services                    | PLATO            | jdbc/PLATO           | External-DDA Server           |
|               |  | PLATOBATCH       | jdbc/PLATOBATCH      |                               |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | EDA              | jdbc/EDA             |                               |
| 7             | obvam-identifier-services                      | PLATO            | jdbc/PLATO           | Identifier Server             |
|               |  | PLATOFEEED       | jdbc/PLATOFEEED      |                               |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | VAI              | jdbc/VAI             |                               |
| 8             | obvam-internal-transfer-services               | PLATO            | jdbc/PLATO           | Internal Transfer Server      |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | VAN              | jdbc/VAN             |                               |
| 9             | obvam-statement-services                       | PLATO            | jdbc/PLATO           | Statement Server              |
|               |  | CMC              | jdbc/CMNCORE         |                               |
|               |  | PLATOBATCH       | jdbc/PLATOBATCH      |                               |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | VAS              | jdbc/VAS             |                               |
|               |  | PLATOREPORT      | jdbc/REPORTSERVICE   |                               |
| 10            | transaction-journal-services                   | PLATO            | jdbc/PLATO           | Transaction Journal Server    |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | VAT              | jdbc/VAT             |                               |
| 11            | external-liquidity-management-service services | PLATO            | jdbc/PLATO           | Liquidity Management Server   |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | ELM              | jdbc/ELM             |                               |
| 12            | external-interest-engine-service services      | PLATO            | jdbc/PLATO           | Interest Engine Server        |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |
|               |  | EIE              | jdbc/EIE             |                               |
| 13            | obvam-projection-services                      | PLATO            | jdbc/PLATO           | Projection Server             |
|               |  | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                               |
|               |  | SMS              | jdbc/sms             |                               |

Table 4-1 (Cont.) Data Sources List

| Serial Number | Service Name           | Data Source Name | Data Source JNDI     | Targets                  |
|---------------|------------------------|------------------|----------------------|--------------------------|
|               |                        | VAP              | jdbc/VAP             |                          |
| 14            | vamlm-charge-services  | PLATO            | jdbc/PLATO           | Charges Server           |
|               |                        | CMC              | jdbc/CMNCORE         |                          |
|               |                        | PLATOBATCH       | jdbc/PLATOBATCH      |                          |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                          |
|               |                        | SMS              | jdbc/sms             |                          |
|               |                        | VAMLMCHG         | jdbc/VAMLMCHG        |                          |
| 15            | obvam-stmt-ent-adapter | PLATO            | jdbc/PLATO           | Statement Entity Adapter |
|               |                        | CMC              | jdbc/CMNCORE         |                          |
|               |                        | PLATO_UI_CONFIG  | jdbc/PLATO_UI_CONFIG |                          |
|               |                        | SMS              | jdbc/sms             |                          |
|               |                        | VAS_DS           | jdbc/VAS_DS          |                          |
| 16            | Appshell UI            | None             | None                 | Appshell Server          |

 **Note:**

For creating data source, refer to the **Create Datasource** section in *Configuration and Deployment Guide*.

# 5

## Deployments

This topic describes the deployments for Oracle Banking Virtual Account Management Installation.

### Prerequisites

Before proceeding with the below setup, make sure that Kafka is configured and the related properties are present in the Oracle Banking Microservices Architecture schema.

To avail feature of record level approval functionality in Plato-Feed, the below property would need to be maintained as part of weblogic VM argument by each product domain including Oracle Banking Microservices Architecture . If not maintained, the default behavior will be of file level approval only.

**Property name** - feed.recordLevelApprovalReqd

**Property value** - true or false

**Default value** - false

### Deployments List

The below table gives the details of the deployments required on each domain to run the Oracle Banking Virtual Account Management application. Deploy one after the other in the given order.



#### Note:

For the exact version of the archive name, refer to the OSDC file available as a part of the release.

**Table 5-1 Deployments List**

| Application                        | Archive name                                     | OSDC Path       | Targets                          |
|------------------------------------|--|-----------------|----------------------------------|
| OBVAM Account Services             | obvam-account-services-{version}.war             | obvam_services/ | OBVAM Account Server             |
| OBVAM Transaction Journal Services | obvam-transaction-journal-services-{version}.war | obvam_services/ | OBVAM Transaction Journal Server |
| OBVAM Statement Services           | obvam-statement-services-{version}.war           | obvam_services/ | OBVAM Statement Server           |
| OBVAM Statement Entity Adapter     | obvam-stmt-ent-adapter-{version}.war             | obvam_services/ | OBVAM Statement Server           |
| OBVAM Internal Transfer Services   | obvam-internal-transfer-services-{version}.war   | obvam_services/ | OBVAM internal Transfer Server   |
| OBVAM External DDA Services        | obvam-external-dda-services-{version}.war        | obvam_services/ | OBVAM External DDA Server        |

Table 5-1 (Cont.) Deployments List

| Application  | Archive name  | OSDC Path       | Targets                             |
|--|---|-----------------|-------------------------------------|
| OBVAM External Credit Assessment and Block(ECA) Services | obvam-eca-services-{version}.war  | obvam_services/ | OBVAM ECA Server                    |
| OBVAM Core Services                                      | obvam-core-services-{version}.war   | obvam_services/ | OBVAM Core Server                   |
| OBVAM Identifier Services                                | obvam-identifier-services-{version}.war   | obvam_services/ | OBVAM Identifier Server             |
| OBVAM Entity Services                                    | obvam-entity-services-{version}.war   | obvam_services/ | OBVAM Entity Server                 |
| OBVAM Inter Entity Positions Domain                      | obvam-iep-services-{version}.war  | obvam_services/ | OBVAM Inter Entity Positions Server |
| External Interest Engine Services                        | external-interest-engine-service-{version}.war  | obvam_services/ | OBVAM EIE Server                    |
| External Liquidity Management Services                   | external-liquidity-management-service-{version}.war   | obvam_services/ | OBVAM ELM Server                    |
| OBVAM Projection Services                                | obvam-projection-services-{version}.war   | obvam_services/ | OBVAM Projection Server             |
| VAM LM Charge Services                                   | vamlm-charge-services-{version}.war   | obvam_services/ | OBVAM Charge Server                 |
| OBVAM UI   | app-shell-{version}.war<br>cmc-component-server-{version}.war<br>moc-component-server-{version}.war<br>sms-component-server-{version}.war<br>obvam-component-server-{version}.war<br>obvamlm-component-server-{version}.war | ui/             | OBVAM Appshell Server               |

 **Note:**

To deploy the application, refer to the **Deploy Application** section in *Configuration and Deployment Guide*.

**Deployment Instruction for vamlm-charge-services:**

vamlm-charge-services is the common service for Oracle Banking Virtual Account Management and Oracle Banking Liquidity Management. In a co-deployed situation, it must be deployed from only one of the packages.

Both the product packages contain the exact same version of this service. If you deploy it from the one of the product packages, then do not deploy it from the other one.

The value of deployment type in the property table is dependent on the type of deployment.



- If the deployment is standalone for Oracle Banking Virtual Account Management, the value should be **vamchg**.
- If the deployment is standalone for Oracle Banking Liquidity Management, the value should be **lmchg**.
- If the deployment is common for both the products, the value should be **codeployed**.

**Deployment Instruction for obvamlm-component-server:**

obvamlm-component-server is the common component server for Charges in Oracle Banking Virtual Account Management and Oracle Banking Liquidity Management. In a co-deployed situation, it should be deployed from only one of the packages.

Both the product packages contain the exact same version of this component server. If you deploy it from the one of the product packages, then do not deploy it from the other one.

# 6

## Initial Setup

This topic describes the initial setup for Oracle Banking Virtual Account Management Installation.

Once everything is deployed, run the CMC and SMS initial setup scripts from the below OSDC path to create the required maintenances.

- `obvam_initial_setup / cmc_initial_setup.sql`  
To be compiled in Common Core schema
- `obvam_initial_setup / sms_initial_setup.sql`  
To be compiled in SMS schema

### CMC Initial Setup

This script would prompt a user to enter the below values.

**Table 6-1 CMC Initial Setup - Field Description**

| Serial Number | Field                     | Description                         |
|---------------|---------------------------|-------------------------------------|
| 1             | Bank Code                 | A four letter Bank Code             |
| 2             | Bank Description          | Description of the Bank Code        |
| 3             | Branch Code               | A three letter Branch Code          |
| 4             | Branch Name               | Name of the Branch                  |
| 5             | Branch Address Line 1     | Address line 1 of the branch        |
| 6             | Branch Address Line 2     | Address line 2 of the branch        |
| 7             | Branch Address Line 3     | Address line 3 of the branch        |
| 8             | Branch Currency           | A three letter ISO Currency Code    |
| 9             | Country Code              | A two letter ISO Country Code       |
| 10            | Walk-In Customer          | Walk-in customer number             |
| 11            | Host Code                 | Host code of the Branch             |
| 12            | Host Description          | Host code description               |
| 13            | Host Process Time Zone    | Host code time zone (GMT+5.30)      |
| 14            | Source System             | External source system              |
| 15            | Source System Description | Source system description           |
| 16            | Source System Branch      | Branch code as in the source system |
| 17            | Previous Working Day      | Previous working day of the Branch  |
| 18            | Current Working Day       | Current working day of the Branch   |
| 19            | Next Working Day          | Next working day of the Branch      |

### SMS Initial Setup

This script would prompt the user to create two admin users.

**Table 6-2 SMS Initial Setup - Field Description**

| Serial Number | Field                  | Description                                  |
|---------------|------------------------|--|
| 1             | User Login ID 1        | Login ID of the first User                   |
| 2             | User Name 1            | Name of the first User                       |
| 3             | User Login ID 2        | Login ID of the second User                  |
| 4             | User Name 2            | Name of the second User                      |
| 5             | Users Home Branch Code | A three letter Home-Branch Code of the users |
| 6             | Users Locale           | Users locale (2 letter ISO country code)     |
| 7             | Start Date             | Start date                                   |
| 8             | End Date               | End date                                     |

These users are assigned the default ADMIN\_ROLE, and the below functional activities are mapped.

1. SMS\_FA\_USER\_NEW
2. SMS\_FA\_USER\_AMEND
3. SMS\_FA\_USER\_CLOSE
4. SMS\_FA\_USER\_REOPEN
5. SMS\_FA\_USER\_DELETE
6. SMS\_FA\_LOAN\_DASHBOARD\_PREFERENCE
7. SMS\_FA\_USER\_VIEW
8. SMS\_FA\_USER\_AUTHORIZE
9. SMS\_FA\_ROLE\_NEW
10. SMS\_FA\_ROLE\_AMEND
11. SMS\_FA\_ROLE\_CLOSE
12. SMS\_FA\_ROLE\_REOPEN
13. SMS\_FA\_ROLE\_DELETE
14. SMS\_FA\_LOAN\_DASHBOARD\_PREFERENCE\_PUT
15. SMS\_FA\_ROLE\_VIEW
16. SMS\_FA\_ROLE\_AUTHORIZE
17. SMS\_FA\_LOAN\_DASHBOARD\_VIEW
18. SMS\_FA\_APPLICATION\_VIEW
19. SMS\_FA\_MENU\_DASHBOARD\_VIEW
20. CMC\_FA\_EXT\_BRANCH\_PARAMETERS\_LOV
21. CMC\_FA\_EXT\_BRANCH\_PARAMETERS\_VIEW
22. CMC\_FA\_EXT\_BANK\_PARAMETERS\_VIEW
23. CMC\_FA\_EXT\_BANK\_PARAMETERS\_LOV
24. CMC\_FA\_SYSTEM\_DATES\_VIEW
25. CMC\_FA\_CURRENCY\_DEFN\_VIEW

26. CMC\_FA\_LOCAL\_HOLIDAY\_VIEW
27. CMC\_FA\_LANGUAGE\_CODE\_VIEW

### LDAP Setup

The users created using the SMS script must also be created in the LDAP server.



#### Note:

For LDAP setup, refer to *Configuration and Deployment Guide*.

# 7

## Restart and Refresh

This topic describes the procedure to restart and refresh the servers.

Once everything is deployed, restart all the managed servers. For each application, call path / `refresh` to refresh the configuration properties.

### **Restart Server**

To restart the server, refer to **Restart Server** section in ***Configuration and Deployment Guide***

# 8

## Workflow Setup

This topic describes the workflow setup for Oracle Banking Virtual Account Management Installation.

### Conductor and Plato-Orchestrator Setup

For conductor and plato-orchestrator setup, refer to the **Setup Conductor & Plato-Orchestrator** section in *Oracle Banking Microservices Platform Foundation Installation Guide*.

### Account Closure Workflow

The workflow needs to be created manually and it is a one-time activity. Account Closure has two workflows that are factory shipped. These must be created using plato-orch-service API through postman.

#### VirtualAccountClosure

This is the main workflow that is started upon the Batch Execution. This workflow instance is assigned a new workflow ID and can be tracked using this ID.

#### VirtualAccountClosureSWF

This is the sub workflow that is started by the main workflow. This workflow is assigned a new workflow ID and can be tracked using this ID.

### Batch Job Setup

Virtual Account closure uses plato-batch-server for Job execution.

The account closure process uses **virtualAccountCloseJob**, and the below setup needs to be done for the same.

1. In PLATO\_BATCH\_TASK\_TRIGGER\_DEFINITIONS table, an entry for **virtualAccountCloseJob** should be added and its definition should be as below

```
appId::VAM;microServiceName::obvam-account-services;contextRoot::obvam-account-services;jobName::virtualAccountCloseJob;type::schedule;cronExpression::0 0/1 * * * ?
```

In the above definition, cronExpression is the string containing details of schedule.

2. In PROPERTIES table, the following entries should have valid user and branch code, for which the applicable roles are present to run the job.  
APPLICATION = "plato-batch-server", KEY = "batchServer.userId", VALUE = "<user-id>"  
APPLICATION = "plato-batch-server", KEY = "batchServer.branchCode", VALUE = "<branch-code>"
3. After the above setup, restart the plato-batch-server.

 **Note:**

Postings on virtual accounts for which closure request is in progress is controlled through a non-mandatory header parameter "allowPosting" in Balance Transfer stage. The values to this can either be

- Y – This indicates transaction postings are allowed.
- N - This indicates transaction postings are not allowed.

Once the latest subworkflow is registered, on triggering the "virtualAccountCloseJob", the workflow ID gets generated and the table VAM\_TB\_VA\_CLOSURE\_STATUS will be updated for the picked up virtual accounts (VA's with closure status as 'P') with the value (Y/N) that is defined in the subworkflow.

**External Validation**

External validation is done using Oracle Banking Payments. This has to be configured using Oracle Banking Routing Hub configuration files that are factory shipped.

**EOD Workflow**

EOD has two workflows that are factory shipped.

Refer to the ***EOD Configuration Guide*** and perform the setup.

# 9

## Logging Area

This topic describes the logging area of Oracle Banking Virtual Account Management applications in the server.

The logging area is configurable. The user can configure any path within the server, where you want to write the Oracle Banking Virtual Account Management application logs. Oracle Banking Virtual Account Management applications write the logs in the configured path with the name: **<Application name>.logs**. For example, If the application name is **obvam-account-services**, then the logs file name would be **obvam-account-services.log**.

 **Note:**

Refer to **Annexure: domain-config-deploy.env** section in *Oracle Banking Virtual Account Management Pre-Installation Guide* to configure logging path.



# Index