

Oracle® Banking Virtual Account Management Pre-Installation Guide



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Preface

Purpose

This guide describes the order (sequence) in which the user must proceed with the installation process. The common services required by the Oracle Banking Virtual Account Management application are also listed.

Audience

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

Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the guide are as follows:

Table 1 Acronyms and Abbreviations

| Abbreviation | Description |
|--------------|---------------------------------------|
| LDAP | Lightweight Directory Access Protocol |
| OSDC | Oracle Software Delivery Cloud |
| SMS | Security Management System |

List of Topics

This guide is organized as follows:

Table 2 List of Topics

| Topics | Description |
|--------------------------------------|---|
| Installation Process | This topic provides the information about the installation sequence of all the services and the respective domain configurations. |
| Annexure | This topic provides the information about the property values. |

Related Documents

The related documents are as follows:

- *Configuration and Deployment Guide* (for LDAP Setup)

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Installation Process

This topic describes the order (sequence) in which the user must carry on the installation process.

Execution Order of Installation Guide

Oracle Banking Virtual Account Management installation is executed in the below sequence:

- Oracle Banking Microservices Architecture Installer Guide
- *Oracle Banking Microservices Platform Foundation Installation Guide*
- *Security Management System Services Installation Guide*
- *Common Core Services Installation Guide*
- *Oracle Banking Virtual Account Management Installation Guide*

Prerequisites

The OSDC package consists of the four zip files. Before proceeding with the installation, unzip the files into the same common folder.

- OBVAM_{release number}_CD1.zip
- OBVAM_{release number}_CD2.zip
- OBVAM_{release number}_CD3.zip
- OBVAM_{release number}_CD4.zip



Note:

For the release number, refer to the OSDC file available as a part of the release.

Software Prerequisite List

The list of software prerequisites are as follows:

- Oracle Database Enterprise Edition
- Oracle WebLogic Server Standard Edition
- LDAP server
- Apache Kafka
- Apache ZooKeeper
- Conductor server

The common services required by Oracle Banking Virtual Account Management application are listed below.

- [Oracle Banking Microservices Architecture Installation](#)

- [SMS Installation](#)
- [Common Core Installation](#)

1.1 Oracle Banking Microservices Architecture Installation

List of Services

The list of services required for Oracle Banking Virtual Account Management are as follows:

- PLATO-CONFIG-SERVICE
- PLATO-DISCOVERY-SERVICE
- PLATO-API-GATEWAY
- PLATO-UI-CONFIG-SERVICES
- PLATO-BATCH-SERVER
- PLATO-FEED-SERVICES
- PLATO-O
- PLATO-ORCH-SERVICE
- PLATO-REPORT-SERVICE



Note:

For further details on deployments, refer to ***Oracle Banking Microservices Platform Foundation Installation Guide***.

Domain Configuration

Copy the below files from the OSDC path to Oracle Banking Microservices Architecture <domain>/bin folder.

- pre_deployment_setup\plato-config-deploy.env
This file is applicable only for plato-config-service. Edit this file and provide the appropriate values.
- pre_deployment_setup\domain-config-deploy.env
This file is applicable for rest of the Oracle Banking Microservices Architecture services. Edit this file and provide the appropriate values
- pre_deployment_setup\weblogic\setUserOverrides.sh



Note:

For providing the property values, refer to **Annexure** section of this document.

1.2 SMS Installation

List of Services

The list of services required for Oracle Banking Virtual Account Management are as follows:

- SMS-CORE-SERVICES

Domain Configuration

Copy the below files from the OSDC path to <domain>/bin folder.

- pre_deployment_setup\domain-config-deploy.env
Edit this file and provide the appropriate values.
- pre_deployment_setup\weblogic\setUserOverrides.sh



Note:

For further details on deployments, refer to ***Security Management System Services Installation Guide***.

1.3 Common Core Installation

List of Services

The list of services required for Oracle Banking Virtual Account Management are as follows:

- CMC-ACCOUNT-SERVICE
- CMC-BRANCH-SERVICE
- CMC-BASE-SERVICE
- CMC-BATCH-SERVICES
- CMC-BUSINESSOVERRIDES-SERVICES
- CMC-CUSTOMER-SERVICE
- CMC-CURRENCY-SERVICE
- CMC-DATASEGMENT-SERVICES
- CMC-EXTERNAL-SYSTEM-SERVICE
- CMC-SETTLEMENTS-SERVICE
- CMC-TXN-CODE-SERVICE
- CMC-EXTERNAL-CHART-ACCOUNT
- CMC-ADVICE-SERVICES
- CMC-RESOURCECLASS-SERVICES
- CMC-RESOURCE-SEGMENT-ORCHESTRATOR-SERVICE
- CMC-EXTERNAL-VIRTUAL-ACCOUNT-SERVICES
- CMC-COREBANKING-ADAPTER-SERVICE

- CMC-TRANSACTIONCONTROLLER-SERVICES
- CMC-SCREENCLASS-SERVICES
- CMC-OBRH-SERVICE
- CMC-CHARGES-CALCULATION-SERVICES

Domain Configuration

Copy the below files from the OSDC path to <domain>/bin folder.

- pre_deployment_setup\domain-config-deploy.env
Edit this file and provide the appropriate values.
- pre_deployment_setup\weblogic\setUserOverrides.sh



Note:

For further details on deployments, refer to ***Common Core Services Installation Guide***.

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Annexure

plato-config-deploy.env

The below properties have fixed values and should not be changed.

Table A-1 plato-config-deploy.env - Property Values (Fixed Values)

| Serial Number | Property | Value |
|---------------|---|---|
| 1 | flywayTask | migrate |
| 2 | flyway.enabled | true |
| 3 | spring.flyway.enabled | false |
| 4 | plato-config.flyway.domain.locations | db/migration/domain/plato, db/migration/domain/sms, db/migration/domain/cmc, db/migration/domain/obvam, db/migration/domain/vamlm |
| 5 | flyway.domain.placeholders.plato-feed-services.jndi | jdbc/PLATOFEED |
| 6 | flyway.domain.placeholders.plato-batch-server.jndi | jdbc/PLATOBATCH |
| 7 | flyway.domain.placeholders.plato.jndi | jdbc/PLATO |
| 8 | flyway.domain.placeholders.plato-config.jndi | jdbc/PLATO |
| 9 | flyway.domain.placeholders.plato-sec.jndi | jdbc/PLATO_SECURITY |
| 10 | flyway.domain.placeholders.plato-ui-config.jndi | jdbc/PLATO_UI_CONFIG |
| 11 | flyway.domain.placeholders.sms.jndi | jdbc/sms |
| 12 | flyway.domain.placeholders.cmncore.jndi | jdbc/CMNCORE |
| 13 | flyway.domain.placeholders.eie.jndi | jdbc/EIE |
| 14 | flyway.domain.placeholders.elm.jndi | jdbc/ELM |
| 15 | flyway.domain.placeholders.vam.jndi | jdbc/VAM |
| 16 | flyway.domain.placeholders.vac.jndi | jdbc/VAC |
| 17 | flyway.domain.placeholders.vab.jndi | jdbc/VAB |
| 18 | flyway.domain.placeholders.vae.jndi | jdbc/VAE |
| 19 | flyway.domain.placeholders.eda.jndi | jdbc/EDA |
| 20 | flyway.domain.placeholders.vai.jndi | jdbc/VAI |
| 21 | flyway.domain.placeholders.van.jndi | jdbc/VAN |
| 22 | flyway.domain.placeholders.vap.jndi | jdbc/VAP |
| 23 | flyway.domain.placeholders.vas.jndi | jdbc/VAS |
| 24 | flyway.domain.placeholders.vat.jndi | jdbc/VAT |
| 25 | flyway.domain.placeholders.obic.jndi | jdbc/VAM |
| 26 | flyway.domain.placeholders.obvamic.jndi | jdbc/VAM |
| 27 | flyway.domain.placeholders.platoorch.domain.jndi | jdbc/PLATO-O |
| 28 | flyway.domain.placeholders.plato-config.db.jndi | jdbc/PLATO |
| 29 | flyway.domain.placeholders.vamlmchg.jndi | jdbc/VAMLMCHG |

 **Note:**

For the complete properties of plato-config-deploy.env file, refer to the folder /pre_deployment_setup under OSDC zip. The user must provide appropriate values for the key which are not listed in the above table.

domain-config-deploy.env

The below properties have fixed values and should not be changed.

Table A-2 domain-config-deploy.env - Property Values (Fixed Values)

| Serial Number | Property | Value |
|---------------|---------------------------------------|---------|
| 1 | flywayTask | migrate |
| 2 | flyway.enabled | true |
| 3 | spring.flyway.enabled | false |
| 4 | flyway.domain.ignoreMissingMigrations | true |
| 5 | flyway.domain.outOfOrder | true |

Provide the appropriate values for the following fields.

Table A-3 domain-config-deploy.env - Property Values (Appropriate Values)

| Serial Number | PROPERTY | VALUE |
|---------------|--|----------------------------------|
| 1 | spring.cloud.config.uri | <config service uri> |
| 2 | apigateway.url | <apigateway url> |
| 3 | service.logging.environment | <environment> example: DEV, TEST |
| 4 | service.logging.path | <application debug logs path> |
| 5 | flyway.domain.placeholders.user.mapping.required | <User mapping required> |
| 6 | feed.recordLevelApprovalReqd | <true or false> |
| 7 | conductor.properties | Path to /config.properties |
| 8 | flyway.domain.placeholders.INTEGRATION.ENABLED | true or false |
| 9 | flyway.domain.placeholders.pswd.validation.flag | Y or N |
| 10 | flyway.domain.placeholders.min.pswd.length | <Min Password Length> |
| 11 | flyway.domain.placeholders.max.pswd.length | <Max Password Length> |
| 12 | flyway.domain.placeholders.min.pswd.age | <Min Password Age> |
| 13 | flyway.domain.placeholders.max.pswd.age | <Max Password Age> |
| 14 | flyway.domain.placeholders.upper.char.flag | Y or N |
| 15 | flyway.domain.placeholders.upper.char.count | <Count> |
| 16 | flyway.domain.placeholders.lower.char.flag | Y or N |
| 17 | flyway.domain.placeholders.lower.char.count | <Count> |
| 18 | flyway.domain.placeholders.special.char.flag | Y or N |

Table A-3 (Cont.) domain-config-deploy.env - Property Values (Appropriate Values)

| Serial Number | PROPERTY | VALUE |
|---------------|---|--------------------|
| 19 | flyway.domain.placeholders.special.char.count | <Count> |
| 20 | flyway.domain.placeholders.numeric.char.flag | Y or N |
| 21 | flyway.domain.placeholders.numeric.char.count | <Count> |
| 22 | flyway.plato.placeholders.vam.chunks.parse.size | 500 |
| 23 | flyway.plato.placeholders.vam.chunks.handoff.size | 200 |
| 24 | flyway.plato.placeholders.closure.handoff.wait Time | 10 |
| 25 | flyway.plato.placeholders.vam.account.closure.integration | OBLM, OBPM |
| 26 | flyway.plato.placeholders.ack.file.path | /scratch/obvam/H2H |
| 27 | spring.cloud.loadbalancer.ribbon.enabled | false |

**Note:**

- For the complete properties of domain-config-deploy.env file, refer to the folder /pre_deployment_setup under OSDC zip.
- For Conductor Properties, refer to **Conductor Installation** section in **Oracle Banking Microservices Platform Foundation Installation Guide** for conductor properties.

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