Oracle® Banking Virtual Account Management
Pre-Installation Guide

Release 14.8.0.0.0
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Oracle Banking Virtual Account Management Pre-Installation Guide, Release 14.8.0.0.0

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Preface

Preface

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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.

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:

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

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	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
LDAP	Lightweight Directory Access Protocol
OSDC	Oracle Software Delivery Cloud
SMS	Security Management System

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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

- 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-COHERENCE-SERVER

- PLATO-APIGATEWAY-ROUTER

- PLATO-API-GATEWAY

- PLATO-UI-CONFIG-SERVICES

- PLATO-BATCH-SERVER

- PLATO-FEED-SERVICES

- PLATO-O

- PLATO-ORCH-SERVICE

- PLATO-REPORT-SERVICE

- PLATO-ALERTS-MANAGEMENT-SERVICES

- SFS-ALERTS-SERVICES

> **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 Mircoservices 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 Mircoservices 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-SERVICES
*   CMC-ADVICE-SERVICES
*   CMC-BASE-SERVICES
*   CMC-BRANCH-SERVICE
*   CMC-BATCH-SERVICES
*   CMC-BUSINESSOVERRIDES-SERVICES
*   CMC-CUSTOMER-SERVICES
*   CMC-CURRENCY-SERVICES
*   CMC-DATASEGMENT-SERVICES
*   CMC-EXTERNAL-SYSTEM-SERVICES
*   CMC-SETTLEMENTS-SERVICES
*   CMC-TXN-CODE-SERVICES
*   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-SERVICES

- CMC-OBRH-KAFKA-CONSUMER

- 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   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
30	flyway.domain.placeholders.iep.jndi	jdbc/VIE

> **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   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   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
19	flyway.domain.placeholders.special.char.count	<Count>
20	flyway.domain.placeholders.numeric.char.flag	Y or N

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

Serial Number	PROPERTY	VALUE
21	flyway.domain.placeholders.numeric.char.count	<Count>
22	spring.cloud.loadbalancer.ribbon.enabled	false

> **Note:**
>
> - Below are recommended properties for Kafka resiliency on 3-node cluster. Ensure exactly same set of properties are referred for all domains/services over and above existing set of properties. This impacts the complete resiliency of all services for event flow.
>
> - For complete Kafka Configuration, and Conductor properties refer to **Conductor Installation**, **Zookeeper Cluster**, **Kafka cluster Setup, Kafka Security Setup, Kafka Client Side Adoption** sections in **Oracle Banking Microservices Platform Foundation Installation Guide** for conductor properties.
>
> - For the complete properties of domain-config-deploy.env file, refer to the folder `/pre_deployment_setup` under OSDC zip.

Resilency

Table A-4   Table A-3 (Cont.) domain-config-deploy.env - Property Values (Appropriate Values)

Serial Number	PROPERTY	VALUE
23	spring.cloud.stream.kafka.binder.autoCreateTopics	true
24	spring.cloud.stream.kafka.default.producer.sync	true
25	spring.cloud.stream.kafka.binder.replicationFactor	3
26	spring.cloud.stream.kafka.binder.requiredAcks	all
27	spring.cloud.stream.kafka.binder.autoAddPartitions	true
28	spring.cloud.stream.default.producer.partitionCount	3
29	spring.cloud.stream.default.consumer.concurrency	3
30	spring.cloud.stream.kafka.default.producer.configuration.max.block.ms	5000

> **Note:**
>
> - Forthe complete properties of domain-config-deploy.env file, refer to the folder /pre_deployment_setup underOSDCzip.
>
> - For Conductor Properties, refer to **Conductor Installation** section in Oracle BankingMicroservices Platform Foundation Installation Guide for conductor properties.

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