

Oracle® Banking Virtual Account Management

Oracle Banking Virtual Account Management Pre-Installation Guide



Release 14.9.0.0.0
G60003-01
August 2026

ORACLE®

G60003-01

Copyright © 2020, 2026, 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	i
Audience	i
Documentation Accessibility	i
Critical Patches	i
Diversity and Inclusion	ii
Related Resources	ii
Conventions	ii
Acronyms and Abbreviations	ii

1 Installation Process

1.1 Oracle Banking Microservices Architecture Installation	2
1.2 SMS Installation	3
1.3 Common Core Installation	3

A Annexure

Index

Preface

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

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 customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which user supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that user 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

1

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 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-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***.

A

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
21	flyway.domain.placeholders.numeric.char.count	<Count>

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

Serial Number	PROPERTY	VALUE
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.

Resiliency

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

- 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.

Index