

# Oracle® Banking Virtual Account Management Pre-Installation Guide



Release 14.6.1.0.0

F61104-01

August 2022

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

ORACLE®

F61104-01

Copyright © 2018, 2022, 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 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" or "commercial computer software documentation" 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, and MySQL 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

---

## 1 Installation Process

---

1.1	Oracle Banking Microservices Architecture Installation	1-2
1.2	SMS Installation	1-3
1.3	Common Core Installation	1-3

## A Annexure

---

Index

---

# 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
<a href="#">Installation Process</a>	This topic provides the information about the installation sequence of all the services and the respective domain configurations.
<a href="#">Annexure</a>	This topic provides the information about the property values.

## Related Documents

The related documents are as follows:

- [ANNEXURE-1](#) (for LDAP Setup)

# 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 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***.

# A

## 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.coun t	<Count>

For the complete properties of domain-config-deploy.env file, refer to the folder / pre\_deployment\_setup under OSDC zip.

 **Note:**

For Conductor Properties, refer to **Conductor Installation** section in **Oracle Banking Microservices Platform Foundation Installation Guide**.

# Index