

Oracle Banking Virtual Account Management  
Services Installation Guide  
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## Oracle Banking Virtual Account Management Services Installation Guide

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# 1. Preface

## 1.1 Introduction

This guide helps you to install the OBVAM services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 12c installation, WebLogic managed server creation and Oracle DB installation.

It is recommended to use dedicated managed server for each of the Plato infrastructure services.

## 1.2 Audience

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

## 1.3 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>.

## 1.4 Organization

This installation user guide would allow you to install following services in same order

- obvam-account-services
- obvam-core-services
- obvam-eca-services
- obvam-entity-services
- obvam-external-dda-services
- obvam-identifier-services
- obvam-internal-transfer-services
- obvam-statement-services
- obvam-transaction-journal-services

## 1.5 Related Documents

- Common Core Services Installation Guide
- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Virtual Account Management Annexure
- Oracle Banking Virtual Account Management Pre-Installation Guide
- Oracle Banking Virtual Account Management User Interface Installation Guide
- Plato Infrastructure Services Installation Guide
- Security Management System Services Installation Guide
- SSL Setup Guide

## 2. Database Setup

### 2.1 Introduction

In this section you are going to setup database related configuration for OBVAM Installation. It is recommended to create different schema for each application. Below setup is designed to work with separate schema for each application.

### 2.2 Pre-requisite

Before you proceed with the setup, ensure the required schema is provided.

### 2.3 Database Setup

To setup database for OBVAM:

DDL's:

Collect DDL's mentioned in the **From-Path** section of the below table and compile into respective schema.

Service Name	From-Path	Compile To
obvam-account-services	CommonInfra\Database\DDL	Virtual-Account Schema
	VAM\obvam-account-services\Database\DDL	
obvam-core-services	CommonInfra\Database\DDL	Virtual-core Schema
	VAM\obvam-core-services \Database\DDL	
obvam-eca-services	CommonInfra\Database\DDL	Virtual-eca Schema
	VAM\obvam-eca-services \Database\DDL	
obvam-entity-services	CommonInfra\Database\DDL	Virtual-entity Schema
	VAM\obvam-entity-services \Database\DDL	
obvam-external-dda-services	CommonInfra\Database\DDL	Virtual-external-dda schema
	VAM\obvam-external-dda-services \Database\DDL	
obvam-identifier-services	CommonInfra\Database\DDL	Virtual-identifier schema
	VAM\obvam-identifier-services \Database\DDL	
obvam-internal-transfer-services	CommonInfra\Database\DDL	Virtual-internal-transfer schema
	VAM\obvam-internal-transfer-services \Database\DDL	
	CommonInfra\Database\DDL	

Service Name	From-Path	Compile To
obvam-statement-services	VAM\obvam-statement-services \Database\DDL	Virtual-statement Schema
obvam-transaction-journal-services	CommonInfra\Database\DDL	Virtual-transaction-journal Schema
	VAM\obvam-transaction-journal-services \Database\DDL	

INC's:

Collect INC's mentioned in the **From-Path** section of the below table and compile into respective schema.

Service Name	From-Path	Compile To
obvam-account-services	VAM\obvam-account-services Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-Account Schema
	VAM\obvam-account-services Database\INC	
	VAM\obvam-account-services Database\VW	
obvam-core-services	VAM\obvam-core-services Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-core Schema
	VAM\obvam-core-services Database\INC	
obvam-eca-services	VAM\obvam-eca-services Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-eca Schema
	VAM\obvam-eca-services Database\INC	
obvam-entity-services	VAM\obvam-entity-services Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-entity Schema
	VAM\obvam-entity-services Database\INC	
obvam-external-dda-services	VAM\obvam-external-dda-services Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-external-dda Schema
	VAM\obvam-external-dda-services Database\INC	
obvam-identifier-services	VAM\obvam-identifier-services Database\SMS\INC	SMS Schema

<b>Service Name</b>	<b>From-Path</b>	<b>Compile To</b>
	CommonInfra\Database\INC	Virtual-identifier Schema
	VAM\obvam-identifier-services \Database\INC	
obvam-internal-transfer-services	VAM\obvam-internal-transfer-services \Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-internal-transfer Schema
	VAM\obvam-internal-transfer-services \Database\INC	
obvam-statement-services	VAM\obvam-statement-services \Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-statement Schema
	VAM\obvam-statement-services \Database\INC	
obvam-transaction-journal-services	VAM\obvam-transaction-journal-services \Database\SMS\INC	SMS Schema
	CommonInfra\Database\INC	Virtual-transaction-journal Schema
	VAM\obvam-transaction-journal-services \Database\INC	

---

## 3. OBVAM Domains Configuration

### 3.1 Pre-requisites

1. Machine should have Java JDK1.8.0\_171 has installed.
2. Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.  
[Note: Before proceeding with below steps complete Plato installation guided.]
3. Steps for creating all OBVAM domains, properties such as port numbers, names will be changing based on the domain. Screenshots provided for such deviations. Domain creation process remains the same.

#### 3.1.1 Virtual Account Core (VACORE) Domain Creation

It is recommended to have different domain for VACORE application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.2 Virtual Account Entities (VAENT) Domain Creation

It is recommended to have different domain for VAENT application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.3 Virtual Account Management Accounts (VAACCN) Domain Creation

It is recommended to have different domain for VAACCN application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.4 Virtual Account Identifiers (VAIDN) Domain Creation

It is recommended to have different domain for VAIDN application. For Creating Domain and Configuration please refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.5 Virtual Account Transaction Journal (VATXNJR) Domain Creation

It is recommended to have different domain for VATXNJR application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.6 Virtual Account Transaction Internal Booking (VATXNIB) Domain Creation

It is recommended to have different domain for VATXNIB application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.7 Virtual Account External DDA (VAEDA) Domain Creation

It is recommended to have different domain for VAEDA application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.8 Virtual Account ECA (VAECA) Domain Creation

It is recommended to have different domain for VAECA application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.

#### 3.1.9 Virtual Account Statements (VASTMNT) Domain Creation

It is recommended to have different domain for VASTMNT application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.



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## 4. Data Sources Creation

### 4.1 Pre-requisite

Database and application setup for PLATO has to be performed prior to deployment setup.

### 4.2 Data sources List

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

Service Name	Data Source Name	Data Source JNDI	Targets
obvam-account-services	PLATO	jdbc/PLATO	Account Server
	VAM	jdbc/VAM	
obvam-core-services	PLATO	jdbc/PLATO	Core Server
	VAC	jdbc/VAC	
obvam-eca-services	PLATO	jdbc/PLATO	ECA Server
	VAB	jdbc/VAB	
obvam-entity-services	PLATO	jdbc/PLATO	Entity Server
	VAE	jdbc/VAE	
obvam-external-dda-services	PLATO	jdbc/PLATO	External-DDA Server
	EDA	jdbc/EDA	
obvam-identifier-services	PLATO	jdbc/PLATO	Identifier Server
	VAI	jdbc/VAI	
obvam-internal-transfer-services	PLATO	jdbc/PLATO	Internal Transfer Server
	VAN	jdbc/VAN	
obvam-statement-services	PLATO	jdbc/PLATO	Statement Server
	VAS	jdbc/VAS	
transaction-journal-services	PLATO	jdbc/PLATO	Transaction Journal Server
	VAT	jdbc/VAT	

### 4.3 Steps to Create Data Source

For creating data source in refer Annexure-1 How to create Data sources section.

---

## 5. Deployments

### 5.1 Pre-requisite

Before you proceed with below setup, make sure previous steps are completed.

### 5.2 Deployments List

Table lists the deployments required on each domain for the OBVAM application to run. Deploy one after other in the same given order.

Application	Archive Name	OSDC Path	Targets
OBVAM Account Services	obvam-account-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-account-services \App	VAM Account Server
OBVAM Transaction Journal Services	obvam-transaction-journal-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-transaction-journal- services \App	VAM Transaction Journal Server
OBVAM Statement Services	obvam-statement-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-statement- services\App	VAM Statement Server
OBVAM Internal Transfer Services	obvam-internal-transfer-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-internal-transfer- services \App	VAM internal Transfer Server
OBVAM External DDA Services	obvam-external-dda-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-external-dda- services \App	VAM External DDA Server
OBVAM External Credit Assessment and Block(ECA) Services	obvam-eca-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-eca-services\App	VAM ECA Server
OBVAM Core Services	obvam-account-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-account-services \App	VAM Account Server
OBVAM Identifier Services	obvam-identifier-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-identifier-services \App	VAM Identifier Server
OBVAM Entity Services	obvam-entity-services-1.0.0.war	{ <b>unzip the file</b> }VAM\ obvam-entity-services \App	VAM Entity Server

### 5.3 Steps to Deploy as Application

To deploy application refer ANNEXURE-1. "How to deploy section".

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## 6. Restarts and Refresh

Once everything is deployed, restart all the managed servers. And for each application call path “/refresh” for refreshing the configuration properties.

### 6.1 Restarting Servers

To restart the server refer to ANNEXURE-1.”How to restart” section.

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## 7. Logging Area

### 7.1 Introduction

This part of the document will talk about the logs area where after deployment of OBVAM Applications in WebLogic server.

#### 7.1.1 Logging Area

OBVAM Application writes logs in the below area of the server:

<WEBLOGIC\_DOMAIN\_CONFIG\_AREA/servers/OBVAMAPP/logs/ OBVAMAPP.out

Let's assume a domain has been created **obvam\_domain** with **managed\_server** name called **OBVAMAPP** in the following area of the server

/scratch/oracle/middleware/user\_projects/domains/**obvam\_domain**". Logging area for OBVAM applications would be

**/scratch/oracle/middleware/user\_projects/domains/obvam\_domain/servers/OBVAMAPP/logs/ OBVAMAPP.out.**