

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 would help 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 document 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

## 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 Prerequisite

Before you proceed with below setup, make sure required schema is provided to you.

### 2.3 Database Setup

To setup DB for OBVAM below step need to be followed-  
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	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-Account Schema
	OBVAM_SERVICES\obvam-account-services\DB\DOMAIN\DDL	
obvam-core-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-core Schema
	OBVAM_SERVICES\obvam-core-services\DB\DOMAIN\DDL	
obvam-eca-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-eca Schema
	OBVAM_SERVICES\obvam-eca-services\DB\DOMAIN\DDL	
obvam-entity-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-entity Schema
	OBVAM_SERVICES\obvam-entity-services\DB\DOMAIN\DDL	
obvam-external-dda-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-external-dda schema
	OBVAM_SERVICES\obvam-external-dda-services\DB\DOMAIN\DDL	
obvam-identifier-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-identifier schema
	OBVAM_SERVICES\obvam-identifier-services\DB\DOMAIN\DDL	
	COMMON_INFRA\DB\DOMAIN\DDL	

Service Name	From-Path	Compile To
obvam-internal-transfer-services	OBVAM_SERVICES\obvam-internal-transfer-services\DB\DOMAIN\DDL	Virtual-internal-transfer schema
obvam-statement-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-statement Schema
	OBVAM_SERVICES\obvam-statement-services\DB\DOMAIN\DDL	
obvam-transaction-journal-services	COMMON_INFRA\DB\DOMAIN\DDL	Virtual-transaction-journal Schema
	OBVAM_SERVICES\obvam-transaction-journal-services\DB\DOMAIN\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	OBVAM_SERVICES\obvam-account-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-Account Schema
	OBVAM_SERVICES\obvam-account-services\DB\DOMAIN\INC	
obvam-core-services	OBVAM_SERVICES\obvam-core-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-core Schema
	OBVAM_SERVICES\obvam-core-services\DB\DOMAIN\INC	
obvam-eca-services	OBVAM_SERVICES\obvam-eca-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-eca Schema
	OBVAM_SERVICES\obvam-eca-services\DB\DOMAIN\INC	
obvam-entity-services	OBVAM_SERVICES\obvam-entity-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-entity Schema
	OBVAM_SERVICES\obvam-entity-services\DB\DOMAIN\INC	
obvam-external-dda-services	OBVAM_SERVICES\obvam-external-dda-services\DB\SMS\INC	SMS Schema

Service Name	From-Path	Compile To
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-external-dda Schema
	OBVAM_SERVICES\obvam-external-dda-services\DB\DOMAIN\INC	
obvam-identifier-services	OBVAM_SERVICES\obvam-identifier-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-identifier Schema
	OBVAM_SERVICES\obvam-identifier-services\DB\DOMAIN\INC	
obvam-internal-transfer-services	OBVAM_SERVICES\obvam-internal-transfer-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-internal-transfer Schema
	OBVAM_SERVICES\obvam-internal-transfer-services\DB\DOMAIN\INC	
obvam-statement-services	OBVAM_SERVICES\obvam-statement-services\DB\DOMAIN\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-statement Schema
	OBVAM_SERVICES\obvam-statement-services\DB\DOMAIN\INC	
obvam-transaction-journal-services	OBVAM_SERVICES\obvam-transaction-journal-services\DB\SMS\INC	SMS Schema
	COMMON_INFRA\DB\DOMAIN\INC	Virtual-transaction-journal Schema
	OBVAM_SERVICES\obvam-transaction-journal-services\DB\DOMAIN\INC	

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## 3. OBVAM Domains Configuration

### 3.1 Prerequisites

1. Machine should have Java JDK1.8.0\_181 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 like 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 Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**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 refer to Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**How to create and Cluster Configuration**”.

- Click **Finish** to complete the procedure.

#### 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 please 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 Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**How to create and Cluster Configuration**”.

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## 4. Data Sources Creation

### 4.1 Prerequisite

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	
	PLATO	jdbc/PLATO	ECA Server
obvam-eca-services	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 Creating Datasource

For creating data source in refer Oracle Banking Virtual Account Management Annexure “**How to create Data sources**”.

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## 5. Deployments

### 5.1 Prerequisite

Before you proceed with below setup, Rabbit MQ server is configured and properties related Rabbit MQ configuration compiled into PLATO schema.

### 5.2 Deployments List

Below table give details of 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-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-account-services\APP	VAM Account Server
OBVAM Transaction Journal Services	obvam-transaction-journal-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-transaction-journal-services\APP	VAM Transaction Journal Server
OBVAM Statement Services	obvam-statement-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-statement-services\APP	VAM Statement Server
OBVAM Internal Transfer Services	obvam-internal-transfer-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-internal-transfer-services\APP	VAM internal Transfer Server
OBVAM External DDA Services	obvam-external-dda-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-external-dda-services\APP	VAM External DDA Server
OBVAM External Credit Assessment and Block(ECA) Services	obvam-eca-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-eca-services\APP	VAM Eca Server
OBVAM Core Services	obvam-core-services-1.0.2.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-account-services\APP	VAM Account Server
OBVAM Identifier Services	obvam-identifier-services-1.0.2.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-identifier-services\APP	VAM Identifier Server
OBVAM Entity Services	obvam-entity-services-1.1.0.war	{ <b>unzip the file</b> } OBVAM_SERVICES\obvam-entity-services\APP	VAM Entity Server

### 5.3 Steps to Deploy as Application

To deploy application refer Oracle Banking Virtual Account Management Annexure “**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 Oracle Banking Virtual Account Management Annexure “**How to restart**” section.

## 7. BIP Configuration

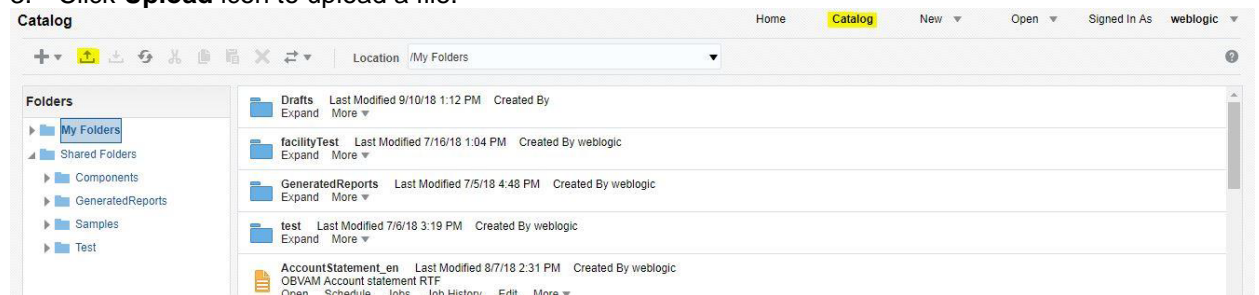
This documentation is focused on the configuration of BIP for the generation of reports. The procedure includes two steps:

1. Configuring the Data Model
2. Configuring the Report Absolute Path

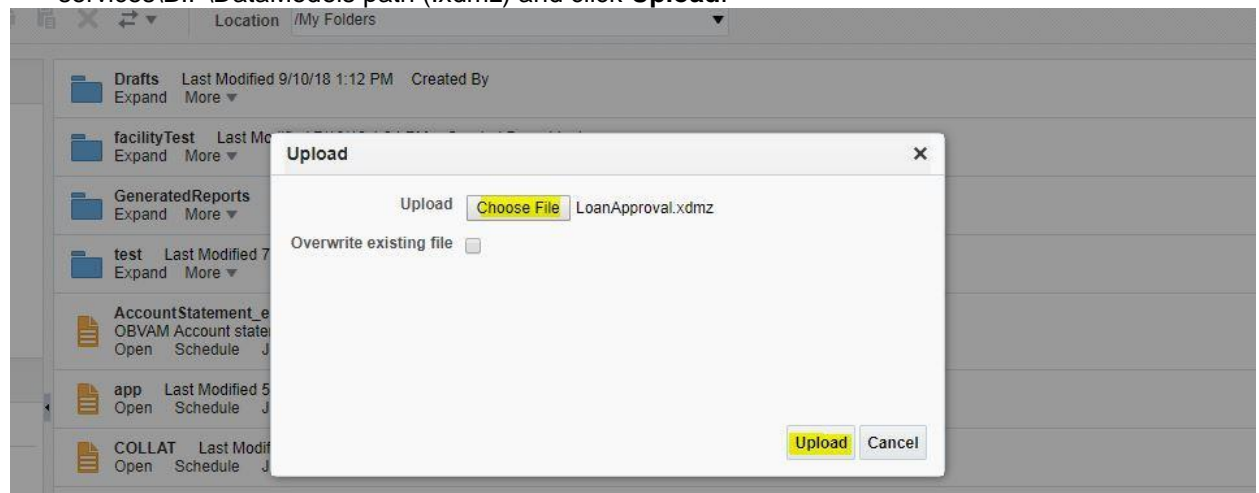
### 7.1 Configuring the Data Model

The data model designed for the report is to be uploaded to the BIP server.

1. Open the BIP console. **Sign in** with BIP credentials.
2. Click **Catalog** and select the folder on which the data model file needs to be uploaded.
3. Click **Upload** icon to upload a file.



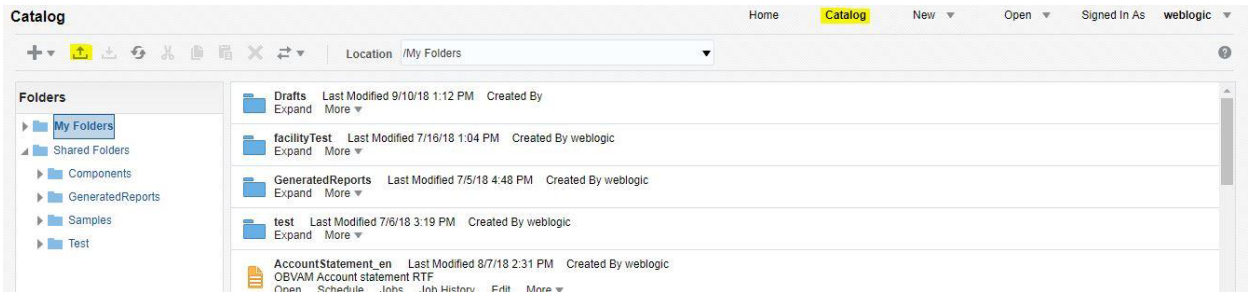
4. Choose the data model file from OBVAM\_SERVICES\obvam-statement-services\BIP\DataModels path (.xdmz) and click **Upload**.



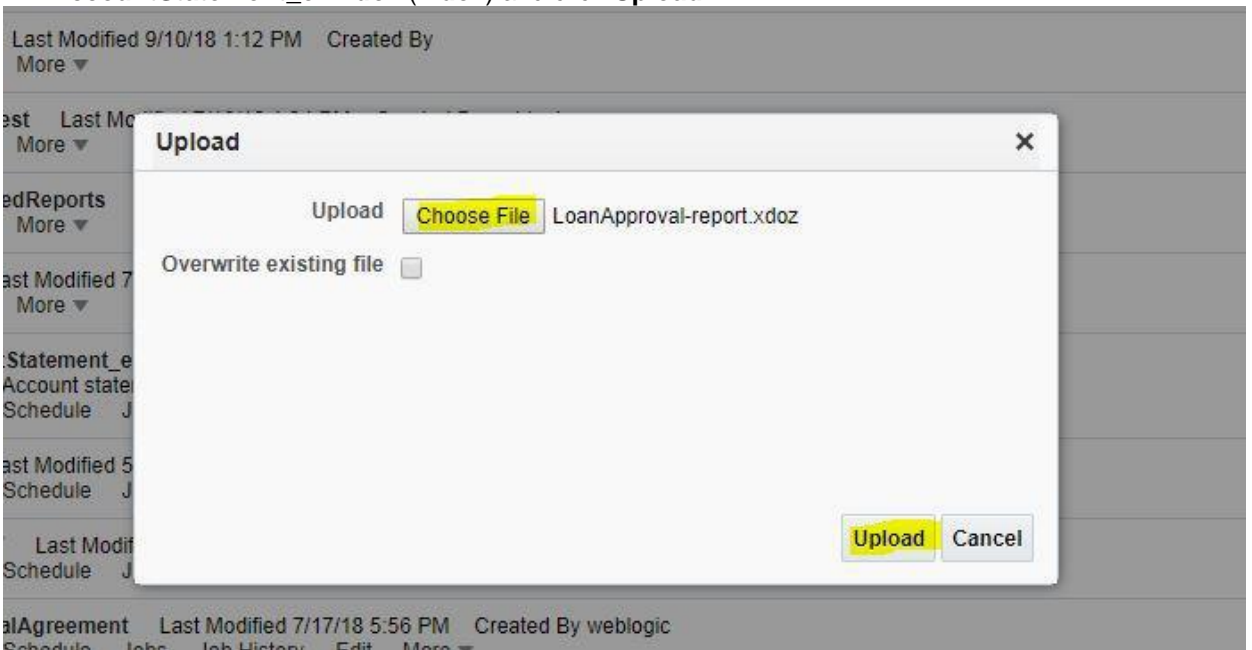
### 7.2 Configuring the Report Absolute Path

The report absolute path file created for the report is to be uploaded to the BIP server.

1. Click **Catalog** and select the folder on which the file must be uploaded.
2. Click **Upload** icon to upload a file.



3. Choose the report absolute path file from **OBVAM\_SERVICES\obvam-statement-services\BIP\Reports\AccountStatement\AccountStatement\_en.xdoz (.xdoz)** and click **Upload**.



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## 8. Logging Area

### 8.1 Introduction

This part of the document will talk about the logging area of OBVAM applications in server.

#### 8.1.1 Logging Area

Logging area is configurable, you can configure any path within the server, where you want OBVAM application to write logs. OBVAM applications will write logs in the configured path with below name:

**<Application name>.logs**

Example: if application name is **obvam-account-services**, then logs file name would be **obvam-account-services.logs**

To configure logging path, refer Annexure-1 Post Domain Creation Section.