

Party Services Installation Guide

Oracle Banking

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1. Preface

1.1 Introduction

This guide helps you to install the Party Services, User Interface, and Conductor Process flow on designated environments. It is assumed that all the prior setup is already done related to WebLogic installation, WebLogic managed server creation, and Oracle DB installation.

Note: For the exact version to be installed, refer to **Tech Stack** section of Release Notes.

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/us/corporate/accessibility/index.html>.

1.4 Organization

This installation user guide would allow you to install the below mentioned Party services, UI, process flow in same order:

It is recommended to use dedicated managed server for each of the Party Services.

Party Services

1. obpy-party-maintenance-service
2. obpy-stage-services
3. obpy-party-services
4. obpy-party-kyc-services
5. obpy-businessprocess-services
6. obpy-party-handoff-services
7. obpy-party-publisher-services
8. obpy-party-adapter-services
9. obpy-party-corporate-view-services
10. obpy-party-batch-services

User Interface

Follow the below steps to migrate from existing single app-shell (if deployed) to Foundation app-shell. With Foundation app-shell, UI war is split into individual component server war files. Delete any installed previous single UI app-shell war version and follow the below given steps. All the component server war files should be deployed in the same managed server.

Deploy the mentioned below Common Core war files:

1. app-shell
2. cmc-component-server
3. moc-component-server
4. sms-component-server

Deploy the Party Domain component war file:

1. obpy-component-server

Similarly, other domain component war files can be deployed

Process Workflow

The process flow zip file downloaded will contain the below Conductor representative process flow DSL JSON files which need to be imported. Refer to the “Steps to Deploy Conductor Process” section for deploying the DSL.

SNO	Process Flow Name	Description of the Process flow
1	obpy-corporate-onboarding-processflow_CPOB.json	Corporate Onboarding
2	obpy-fi-amendment-processflow_FPAM.json	Financial Institute Amendment
3	obpy-fi-onboarding-processflow_FPOB.json	Financial Institute Onboarding
4	obpy-party-onboarding-processflow_REOB.json	Retail Party Onboarding
5	obpy-retail-amendment-processflow_PAMD.json	Retail Party Amendment
6	obpy_corp_amendment_processflow_CAMD.json	Corporate Party Amendment
7	obpy_smb_amendment_processflow_SMBA.json	Small and Medium Business Party Amendment
8	obpy_smb_onboarding_processflow_RSMB.json	Small and Medium Business Party Onboarding
9	obpy_sme_amendment_processflow_SMEA.json	Small and Medium Enterprise Party Amendment
10	obpy_sme_onboarding_processflow_CSME.json	Small and Medium Enterprise Party Onboarding

11	Review_SubWorkflow.json	Review sub workflow
12	Recommendation_SubWorkflow.json	Recommendation sub workflow
13	Approval_SubWorkflow.json	Approval sub workflow

1.5 **Related documents**

For more information, refer to the following documents:

- Oracle Banking Microservices Platform Foundation Installation Guide
- Common Core Services Installation Guide
- Security Management System Services Installation Guide

2. Database Setup

2.1 Introduction

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

2.2 Prerequisites

In this section, you are going to set up the database-related configuration for Party Services Installation. Before you proceed, ensure the pre-installation setup is done. The pre-installation setup includes the configuration of the database, setting up the **setUserOverrides.sh**. Create the required schema for each of the microservices. The schema object creations and the static data required for the microservice will be automatically created during the deployment of the microservice in the respective schema.

2.3 Database Setup

To setup DB for Retail Operations schema's to be created:

Service Name	Schema Required
obpy-stage-services	Yes (obpy-party-service schema)
obpy-party-services	Yes (obpy-party-service schema)
obpy-party-kyc-services	Yes (obpy-party-service schema)
obpy-businessprocess-services	Yes (obpy-businessprocess-services)
obpy-party-handoff-services	Yes (obpy-party-service schema)
obpy-party-publisher-services	Yes (obpy-party-service schema)
obpy-party-maintenance-service	Yes (obpy-party-service schema)
obpy-party-adapter-services	Yes (obpy-party-service schema)
obpy-party-corporate-view-services	Yes (obpy-party-service schema)
obpy-party-batch-services	Yes (obpy-party-service schema)

3. Party Services Domains Configuration

3.1 Prerequisites

1. The machine should have Java JDK installed.
2. Oracle Fusion Middleware has to be installed on the machine.
3. Steps for creating all Party domains, properties like port numbers, names will be changing based on the domain. Screenshots provided for such deviations. The domain creation process remains the same.

NOTE: For the exact version to be installed, refer to **Tech Stack** section of Release Notes.

3.2 Party Service Domain Creation

It is recommended to have separate domain for Party application.

Service Name	Domain Name
obpy-stage-services	Party Domain
obpy-party-services	Party Domain
obpy-party-kyc-services	Party Domain
obpy-businessprocess-services	Party Domain
obpy-party-handoff-services	Party Domain
obpy-party-publisher-services	Party Domain
obpy-party-maintenance-service	Party Domain
obpy-party-adapter-services	Party Domain
obpy-party-corporate-view-services	Party Domain
obpy-party-batch-services	Party Domain

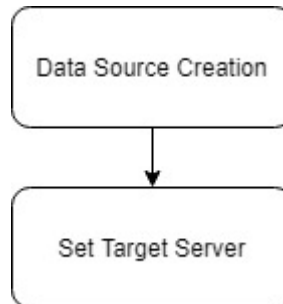
3.3 Steps to Create Domain and Cluster Configuration

For creating and configuring the domain, refer to the *How to Create Domain and Cluster Configuration* section in **Configuration and Deployment Guide**.

4. Data Sources Creation

4.1 Prerequisites

Database setup for Party services has to be performed prior to deployment setup. The data sources for the respective micro-services must be created first before the application deployment. Each of the data source target to their corresponding servers on which the application will be deployed. The following sections explain the list of data sources required to be created for Party services and the steps to configure them in the server.



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
obpy-stage-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-kyc-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-businessprocess-services	PARTY	jdbc/OBPYBPROC	Party Managed Server
obpy-party-handoff-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-publisher-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-maintenance-service	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-adapter-services	PARTY	jdbc/PARTY	Party Managed Server

Service Name	Data source Name	Data source JNDI	Targets
obpy-party-corporate-view-services	PARTY	jdbc/PARTY	Party Managed Server
obpy-party-batch-services	PARTY	jdbc/PARTY	Party Managed Server

4.3 Steps to Create Datasource

For creating a data source, refer to the **How to create Data sources** section in **Configuration and Deployment Guide**.

4.4 Additional Datasource Mapping

In order to deploy the services successfully, map the following data source to all the newly created managed servers. This is required for the JNDI requirement for flyway migration.

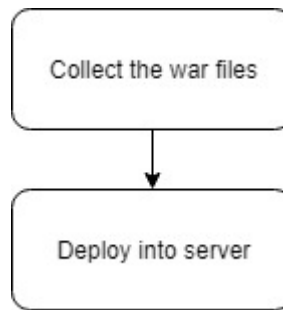
Data source Name	Data Source JNDI	Targets
PLATO	jdbc/PLATO	Party Managed Server
PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG	Party Managed Server
SMS	jdbc/sms	Party Managed Server
COMMON CORE	jdbc/CMNCORE	Party Managed Server
PLATO_BATCH	jdbc/PLATOBATCH	Party Managed Server
OBRC	jdbc/OBRC	Party Managed Server

Refer to Oracle Banking Microservices Platform Foundation Installation Guide, Common Core Services Installation Guide, and Security Management System Services Installation Guide for more recent details on data sources.

5. Deployments

5.1 Prerequisites

The database setup and data sources creation have to be performed prior to the application deployment stage. Each of the services corresponds to a specific war file that needs to be deployed into the server. The following sections explain the list of war files of the Retail Operations application and the steps to deploy them into the server.



5.2 Deployments List

The below table gives details of the deployments required on each domain for the Party application to run. Deploy one after the other in the same given order. The provided archive names and OSDC path are for reference purposes only. Refer to the exact archive names available as a part of the release.

Before deploying ensure that `setUserOverrides.sh` all placeholders' values are set correctly. Make sure that `flyway.domain.locations` in `setUserOverrides.sh` file includes `db/migration/domain/obpy` so that Party related flyway gets deployed.

Refer to the **Oracle Banking Microservices Platform Foundation Installation Guide** for more details. If any placeholder is missed, the deployment will fail, and incorrect values will result from errors in the application.

NOTE: Before proceeding, deploy `plato_batch_server`, `plato_rule_service`, `plato_regional_configurator_services`. For more information, refer to the **Oracle Banking Microservices Platform Foundation Installation Guide**.

The `obpy-customer-services` is a service that needs to be deployed in Oracle FLEXCUBE Universal Banking application. Refer to **Customer Service Installation Guide** in Oracle FLEXCUBE Universal Banking Documentation Library.

Application	Archive name	OSDC path	Targets
OBPY Party Maintenance Services	obpy-party-maintenance-service-{version}.war	{unzip the file} lobpy-party-maintenance-service	Party Managed Server
OBPY Stage Services	obpy-stage-services-{version}.war	{unzip the file} lstage-services	Party Managed Server

Application	Archive name	OSDC path	Targets
OBPY Party Services	obpy-party-services-{version}.war	{unzip the file} lobpy-party-services	Party Managed Server
Party KYC Services	obpy-party-kyc-services-{version}.war	{unzip the file} lobpy-party-kyc-services	Party Managed Server
OBPY Businessprocess Services	obpy-businessprocess-services-{version}.war	{unzip the file} lobpy-businessprocess-services	Party Managed Server
OBPY Party Handoff Services	obpy-party-handoff-services-{version}.war	{unzip the file} lobpy-party-handoff-services	Party Managed Server
OBPY Party Publisher Services	obpy-party-publisher-services-{version}.war	{unzip the file} lobpy-party-publisher-services	Party Managed Server
OBPY Party Adapter Services	obpy-party-adapter-services-{version}.war	{unzip the file} lobpy-party-adapter-services	Party Managed Server
OBPY Corporate View Service	obpy-party-corporate-view-services-{version}.war	{unzip the file} lobpy-party-corporate-view-services	Party Managed Server
OBPY Party Batch Service	obpy-party-batch-services-{version}.war	{unzip the file} lobpy-party-batch-services	Party Managed Server
OBPY Component Server	obpy-component-server-{version}.war	{unzip the file} lobpy-component-server	Appshell Managed server

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 **How to restart** section in **Configuration and Deployment Guide**.

7. Logging Area

7.1 Introduction

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

7.1.1 Logging Area

In general Party Application writes logs in the below area of the server-

<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/APP/logs/ APP.out

Let's assume a domain has been created **party_domain** with **managed_server** name called **PARTYAPP** in the following area of the server

~/middleware/user_projects/domains/**party_domain**". Logging area for Retail Operations applications would be

~/middleware/user_projects/domains/**party_domain**/servers/**PARTYAPP**/logs/**PARTYAPP.out**.

The logging path can now be configured by setting the placeholder value for Plato.service.logging.path. For more details, refer to Oracle Banking Microservices Platform Foundation Installation Guide.

8. Deployments

8.1 Party Processes

The list of Conductor based processes that have to be deployed for the Party Services are:

Serial Number	Process Name	Dependent process
1	obpy-corporate-onboarding-processflow_CPOB.json	None
2	obpy-fi-amendment-processflow_FPAM.json	None
3	obpy-fi-onboarding-processflow_FPOB.json	None
4	obpy-party-onboarding-processflow_REOB.json	None
5	obpy-retail-amendment-processflow_PAMD.json	None
6	obpy_corp_amendment_processflow_CAMD.json	None
7	obpy_smb_amendment_processflow_SMBA.json	None
8	obpy_smb_onboarding_processflow_RSMB.json	None
9	obpy_sme_amendment_processflow_SMEA.json	None
10	obpy_sme_onboarding_processflow_CSME.json	None
11	Review_SubWorkflow.json	None
12	Recommendation_SubWorkflow.json	None
13	Approval_SubWorkflow.json	None

8.2 Updating the process

Before deploying the process, the following section to be updated with the server ip/port for the end points used in the process.

For each process, open the process to find for “http_request” and modify the following in the uri.

<code>"uri": "http://{{PROCESS_SERVER_HOST}}:{{PROCESS_SERVER_PORT}}/plato-orch-service/api/metadata/workflow"</code>

{{PROCESS_SERVER_HOST}} - IP of the Conductor server.

{{PROCESS_SERVER_PORT}} - Port of the Conductor server

8.3 Steps to Deploy Conductor Process

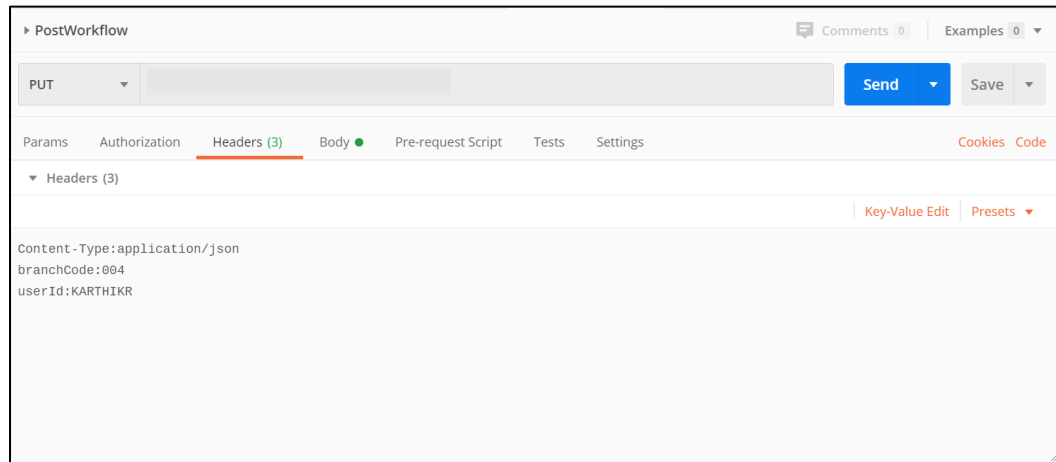
8.3.1 Approach 1 – User Interface

Process flow can be upload using User Interface from Tasks → Business Process Maintenance.
→ Upload DSL.

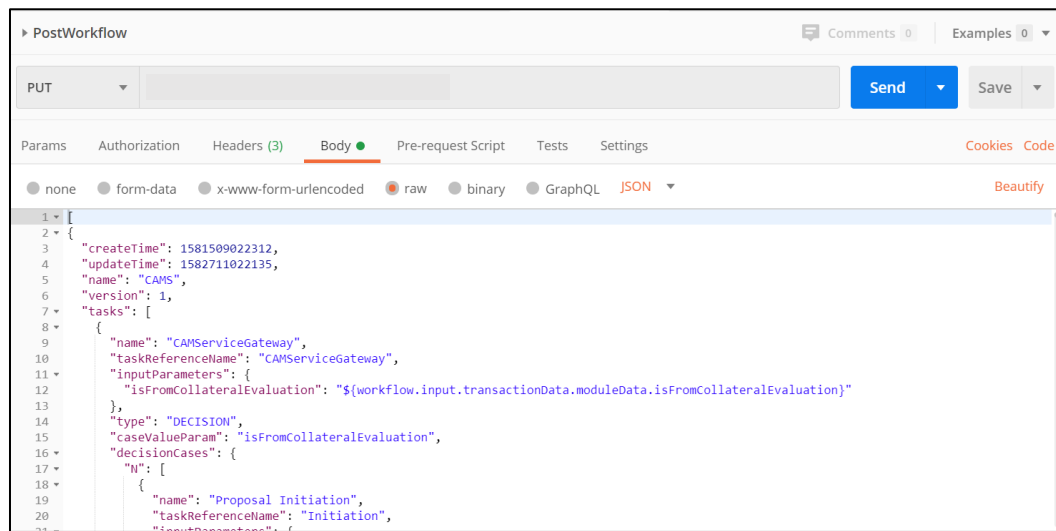
8.3.2 Approach 2 - Postman

NOTE: Server names, Domain names need not to be same as this doc provides.
Steps to Deploy a process remains the same for all the process files. The screenshot shared below is for sample purpose only

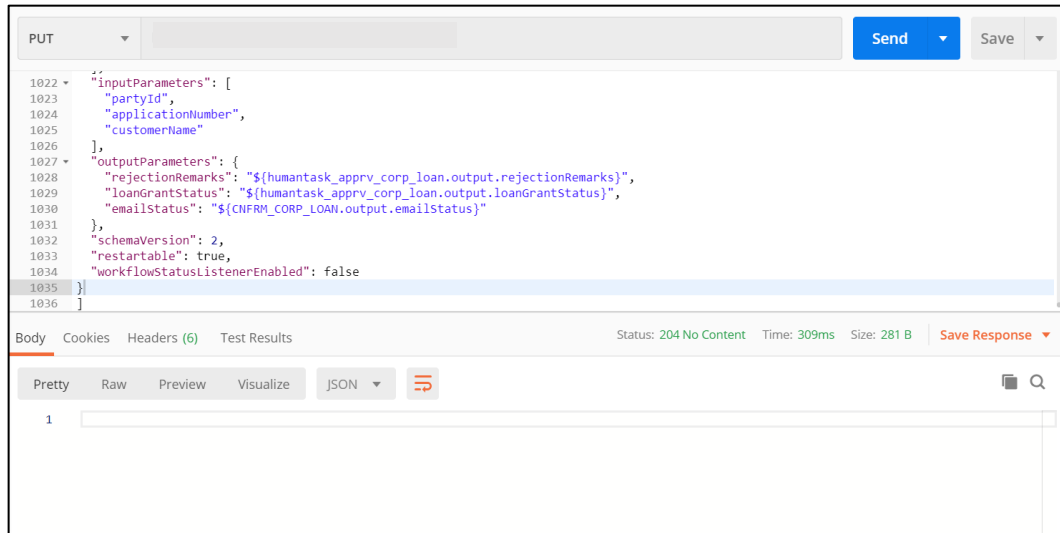
1. Launch Postman.
2. Create a new Request (if not done already) and select **POST** method. If the process flow is already deployed and if you want to update it, then the method should be “PUT”.
3. Input the header params as shown below:



4. Paste the body of the message with the content from the process file.



5. Click **Send**. Response status **204** returned from server.





Party Services Installation Guide

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

<https://www.oracle.com/industries/financial-services/index.html>

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