### Party Services Installation Guide

# **Oracle Banking**

Release 14.6.0.0.0

#### Part Number F57244-01

May 2022



# **Table of Contents**

1. P	REFACE	
1.1	INTRODUCTION	
1.2	AUDIENCE	
1.3	DOCUMENTATION ACCESSIBILITY	
1.4	ORGANIZATION	
1.5	RELATED DOCUMENTS	
2. D	ATABASE SETUP	
2.1	INTRODUCTION	
2.2	Prerequisites	
2.3	DATABASE SETUP	
3. P.	ARTY SERVICES DOMAINS CONFIGURATION	
3.1	Prereouisites	
3.2	PARTY SERVICE DOMAIN CREATION	
4 D	ATA SOUDCES CDEATION	4.1
<b>4</b> 1	PREREQUISITES	4-1 4-1
4.2	DATA SOURCES LIST	4-1
4.3	STEPS TO CREATE DATASOURCE	
4.4	ADDITIONAL DATASOURCE MAPPING	
5 D	FDI OVMENTS	5 1
<b>5</b> . <b>D</b>		
5.1	DEPLOYMENTS LIST	
5.3	STEPS TO DEPLOY AS APPLICATION	
6 D	FSTADTS AND DEEDESH	6.1
<b>0. K</b>	RESTADTING SEDVEDS	
0.1		
7. L	OGGING AREA	
7.1	INTRODUCTION	
7.	1.1 Logging Area	
8. P.	ARTY UI DOMAIN AND CLUSTER CONFIGURATION	
8.1	Prerequisites	
8.2	PARTY UI DOMAIN	
8.3	POST DOMAIN CREATION CONFIGURATIONS	
9. P.	ARTY USER INTERFACE DEPLOYMENTS	
9.1	STEPS TO DEPLOY AS APPLICATION	
10.	RESTARTS AND REFRESH	
10.1	RESTARTING SERVERS	
11	DEDI OVMENTS	11_1
11 1	PARTY PROCESSES	••••••••••••••••••••••••••••••••••••••
11.1	UPDATING THE PROCESS	
11.2	STEPS TO DEPLOY CONDUCTOR PROCESS	



# 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 <a href="http://www.oracle.com/us/corporate/accessibility/index.html">http://www.oracle.com/us/corporate/accessibility/index.html</a>.

### 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 appshell. 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



# 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 has installed.
- 2. Oracle Fusion Middleware has to be installed on the machine.

**NOTE**: Before proceeding with the below steps, complete the procedure in *Oracle Banking Microservices Platform Foundation Installation Guide*. In particular, ensure to deploy the Plato Batch service (*plato\_batch\_server*) before deploying party services.

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. For Creating Domain and Configuration, refer to **How to create and Cluster Configuration** section in ANNEXURE-1.

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



# 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 ANNEXURE-1.

# 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

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. 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.

Application	Archive name	OSDC path	Targets
OBPY Party Maintenance Services	obpy-party- maintenance-service- {version}.war	{ <b>unzip the file</b> } \obpy-party-maintenance- service	Party Managed Server
OBPY Stage Services	obpy-stage-services- {version}.war	{ <b>unzip the file</b> } \stage-services	Party Managed Server
OBPY Party Services	obpy-party-services- {version}.war	{ <b>unzip the file</b> } \obpy-party-services	Party Managed Server
Party KYC Services	obpy-party-kyc-services- {version}.war	{ <b>unzip the file</b> } \obpy-party-kyc-services	Party Managed Server
OBPY Businessproce ss Services	obpy-businessprocess- services-{version}.war	{ <b>unzip the file</b> } \obpy-businessprocess-services	Party Managed Server



Application	Archive name	OSDC path	Targets
OBPY Party Handoff Services	obpy-party-handoff- services-{version}.war	{unzip the file} \obpy-party-handoff-services	Party Managed Server
OBPY Party Publisher Services	obpy-party-publisher- services-{version}.war	{ <b>unzip the file</b> } \obpy-party-publisher-services	Party Managed Server
OBPY Party Adapter Services	obpy-party-adapter- services-{version}.war	{unzip the file} \obpy-party-adapter-services	Party Managed Server
OBPY Corporate View Service	obpy-party-corporate- view-services- {version}.war	{unzip the file} \ obpy-party-corporate-view- services	Party Managed Server
OBPY Party Batch Service	obpy-party-batch- services-{version}.war	{ <b>unzip the file</b> } \obpy-party-batch-services	Party Managed Server

### 5.3 Steps to Deploy as Application

To deploy application, refer to the **How to deploy** section in ANNEXURE-1.

**NOTE**: 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.



# 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 <u>Restarting Servers</u>

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



# 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. Party UI Domain and Cluster Configuration

### 8.1 Prerequisites

- 1. The machine should have Java JDK has installed.
- Oracle Fusion Middleware has to be installed on the machine.
   NOTE: For the exact version to be installed, refer to Tech Stack section of Release Notes.

### 8.2 Party UI Domain

1. Click **Create Domain** tab and select **Create a new domain** option. Specify the domain location. The names used are only for references.

Fusion Middleware Configuratio	n Wizard - Page 1 of 8		-	
Configuration Type		FUSI		
🙊 Create Domain				
M Templates				
Administrator Account				
Domain Mode and JDK				
Advanced Configuration				
Configuration Summary				
Configuration Progress	what do you want to do?			
O End Of Configuration	Oreate a new domain			
	Update an existing domain			
	Domain Location:			Browse
Help		< <u>B</u> ack	Next > Einis	sh Cancel



2. On Administration Server screen, specify the server details, and click Next.

Fusion Middleware Configuration '	/izard - Page 6 of 16				9 <del>77</del> 9	
Administration Server			FUS			
A Create Domain						
Templates						
Administrator Account						
Domain Mode and JDK						
Advanced Configuration						
Administration Server	Server Name AdminServer					
<u>Node Manager</u>	Listen Address All Local Addre	esses				-
Managed Servers	Listen Port 9900					
<u>Clusters</u>						
Server Templates	Enable SSL					
Machines	SSL Listen Port					
Virtual Targets						
Partitions						
Configuration Summary						
Configuration Progress						
5 End Of Configuration						
				0. 0.		
	Port number must be between 1	and 65535, and different fro	m SSL listen p	ort and cohere	nce port.	
Help			< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel



3. On Managed Servers screen, add entry for managed server, and click Next.

Fusion Middleware Configuration	n Wizard - Page 8 of 16			_	
Managed Servers					
Create Domain Templates	Loo	ne X <u>D</u> elete		9	Dis <u>c</u> ard Changes
Administrator Account     Domain Mode and JDK	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port
Advanced Configuration	ManagedServer_1	All Local Addresses 👻	9903		Disabled
Administration Server Node Manager					
Managed Servers					
<ul> <li><u>Clusters</u></li> </ul>					
<ul> <li>Server Templates</li> </ul>					
<ul> <li><u>Machines</u></li> </ul>					
<ul> <li><u>Virtual Targets</u></li> </ul>					
<ul> <li>Partitions</li> </ul>					
Configuration Summary					
Configuration Progress					
End Of Configuration					
Help	L		< <u>B</u> ack <u>N</u> e	xt > Einisl	Cancel



4. On **Clusters** screen, add entry for cluster, and click **Next**.

Fusion Middleware Configuratio	n Wizard - Page 9 of 18			-	- 🗆 🗙
Clusters					
Create Domain Templates	Add 🗙	Delete		Ľ	Discard Changes
Administrator Account	Cluster Name	Cluster Address	Frontend Host	Frontend HTTP Port	Frontend HTTPS Port
Domain Mode and JDK	new_Cluster_1			0	0
Advanced Configuration					
<u>Administration Server</u>					
<u>Node Manager</u>					
Managed Servers					
Clusters					
<ul> <li>Server Templates</li> </ul>					
Dynamic Servers					
Assign Servers to Clusters					
<u>Machines</u>					
<ul> <li><u>Virtual Targets</u></li> </ul>					
Partitions					
Configuration Summary					
Oconfiguration Progress					
<ul> <li>End Of Configuration</li> </ul>					
Help			< <u>B</u> ac	k Next > Eir	nish Cancel



5. On Assign Server to Cluster screen, assign the required servers, and click Next.

<b>B</b>	usion Middleware Configuration	Wizard - Page 12 of 18				_	
A	ssign Servers to Clusters			FUS			
$\mathcal{R}$	Create Domain	Servers		Cluster	s		
*	Templates			O Cluste	r w Cluster 1		
ų.	Administrator Account				Server		
÷.	Domain Mode and JDK				📦 Manage	dServer_1	
*	Advanced Configuration						
ų	Administration Server						
ų.	Node Manager		۶				
- <b>b</b>	Managed Servers						
÷	<u>Clusters</u>						
ų.	Server Templates						
ψ	Dynamic Servers						
	Assign Servers to Clusters						
ų	Machines						
ų	Virtual Targets						
ų	Partitions						
ų	Configuration Summary						
4	Configuration Progress						
9	End Of Configuration	Select <b>one or more</b> servers in the left pane and <b>one</b> cluster.	uster in	the right p	ane. Then use	the right ar	row button (>) to
	Help			< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel



6. On Machines screen, add entry for the machine, and click Next.

Fusion Middleware Configuration	n Wizard - Page 13 of 19		- 🗆 X
Machines			
← Create Domain ← Templates	Machine Unix Machine		
Administrator Account	🕂 <u>A</u> dd 🔀 <u>D</u> elete		🔊 Dis <u>c</u> ard Changes
Domain Mode and JDK	Name	Node Manager Listen Address	Node Manager Listen Port
Advanced Configuration	new_Machine_1	localhost 👻	5556
<ul> <li>Administration Server</li> </ul>			
<u>Node Manager</u>			
Managed Servers			
Clusters			
<ul> <li>Server Templates</li> </ul>			
Dynamic Servers			
<ul> <li>Assign Servers to Clusters</li> </ul>			
Machines			
Assign Servers to Machines			
<ul> <li><u>Virtual Targets</u></li> </ul>			
Partitions			
Configuration Summary			
Configuration Progress			
End Of Configuration			
Help		< Back	ext > Einish Cancel



7. On Assign Server to Machines screen, assign the required machine, and click Next.

Fusion Middleware Configuration	n Wizard - Page 14 of 19		- 🗆 X
Assign Servers to Machines			
Create Domain	Servers	_	Machines
Templates	AdminServer		Machine
Administrator Account			New_Machine_1     ManagedServer_1
Domain Mode and JDK			
Advanced Configuration			
Administration Server			
<u>Node Manager</u>		۵	
Managed Servers			
<u>Clusters</u>			
Server Templates			
Dynamic Servers			
Assign Servers to Clusters			
Machines			
Assign Servers to Machines			
Virtual Targets			
Partitions			
Configuration Summary			
Configuration Progress	Select <b>one or more</b> servers in the left pane and <b>on</b>	e machine	in the right pane. Then use the right arrow button (>)
End Of Configuration	to assign the server of servers to the filled lifte.		
Help			< Back Next > Finish Cancel



8. On **Configuration Summary** screen and click **Create** to configure a new domain.

I Fusion Middleware Configuration	Wizard - Page 17 of 19		_	
Configuration Summary		FUSIO		
Create Domain         Templates         Administrator Account         Domain Mode and JDK         Advanced Configuration         Advanced Servers         Clusters         Server Templates         Dynamic Servers to Clusters         Machines         Assign Servers to Machines         Virtual Targets         Partitions         Configuration Progress         End Of Configuration	View: Deployment	Name Description Author Location	Basic WebLogic Se Create a basic We Oracle Corporation	rver Domain bbLogic Server domain v > > > > > > > > > > > > > > > > > > >
Help		< <u>B</u> ack	Next > Cre	ate Cancel

9. Click **Servers** tab, select **Configuration**, and verify the configuration details of server.

Change Center	🙆 Home Log Out Preferences 🔤	Record Help	٩			Welcome,				
View changes and restarts	Home >Summary of Servers	Home >Summary of Servers								
Configuration editing is enabled. Future	Summary of Servers	Summary of Servers								
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Control									
Domain Structure	A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration.									
Environment	This page summarizes each server t	hat has been configured i	n the current WebLogic Ser	ver domain.						
***Servers	<u>د</u> ۲									
	Customize this table Servers (Filtered - More Columns Exist)									
Virtual Targets						Showing 1 t				
Concurrent Templates	🗌 Name 🗞	Туре	Cluster	Machine	State	Health				
Resource Management	AdminServer(admin)	Configured			RUNNING	🖋 ОК				
How do I	ManagedServer_1	Configured	new_Cluster_1	new_Machine_1	SHUTDOWN	Not reachable				
Create Managed Servers     Clone servers	New Clone Delete					Showing 1 t				
Delete Managed Servers     Delete the Administration Server     Start and stop servers										

![](_page_20_Picture_4.jpeg)

10. Click **Clusters** tab and verify the configuration details of cluster.

![](_page_21_Picture_1.jpeg)

11. Click **Machines** tab, and verify the configuration details of machine.

Change Center	î Home Log Out Preferences 🛃 Record Help	Welcome,
View changes and restarts	Home >Summary of Servers >Summary of Clusters >Summary of Servers >Summary of Machines	
Configuration editing is enabled. Future	Summary of Machines	
changes will automatically be activated as you modify, add or delete items in this domain.		
	A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). Web	Logic Server uses configured machine names
Domain Structure	server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses remote servers.	the machine definition in conjunction with No
temp_domain		
Domain Partitions     Findropmont	This page displays key information about each machine that has been configured in the current WebLogic Server domain.	
Servers		
Clusters	Customize this table	
Coherence Clusters	Machines	
Resource Groups	Pacifica	
Machines	New Clone Delete	Showing 1
Virtual Hosts	Name 🗞	Туре
Virtual Targets		Mashina
Concurrent Templates		Machine
Resource Management	New Clone Delete	Showing 1
How do I		
Create and configure machines		
Assign server instances to machines		
Clone machines		
Delete machines		

#### 8.3 Post Domain creation configurations

Once finished, refer oracle fusion middleware documents for more details on how to start admin server, node manager and managed servers.

- Create boot.properties file under /user\_projects/domains/XXXXdomainNameXXX/servers/AdminServer/security.
- 2. Edit **boot.properties** and give username and password details.
- 3. Goto /user\_projects/domain/sms\_domain/bin.
- 4. Run startWeblogic.cmd (or .sh if operating system is linux).
- 5. Goto /user\_projects/domains/sms \_domain/bin.
- 6. Run setNMJavaHome.cmd (.sh).
- 7. Goto /user\_projects/domains/sms \_domain/nodemanager.
- And edit nodemanager.properties as required(securelistner = false if ssl and keystore is not given) And in admin console also navigate to Machines- > sms\_Machine -> Node Manager -> Type -> Plain -> Save.
- 9. Navigate to /user\_projects/domains/ sms \_domain/bin.
- 10. Run startNodeManager.cmd (or .sh if operating system is linux ).
- 11. Start all managed servers.

![](_page_21_Picture_17.jpeg)

#### Login to console and verify servers and clusters.

View changes and restarts	Home >Summary of S	ervers >Summary of C	lusters >Summary of Servers >	Summary of Machines	>Summary of Servers					
Configuration editing is enabled. Future	Summary of Servers									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Co	Configuration Control								
Domain Structure           temp_domain         ●           ⊕ Domain Partitions         ●           ⊕ Tomain Partitions         ●           ● Environment         ●           ■ Serverse         ●           ● Coherence Clusters         ●           ■ Resource Groups         ●           ■ Machines         ●           ■ Andrines         ●	A server is an instar This page summaria C2 Customize this to Servers (Filtered	able	ver that runs in its own Java has been configured in the c xist)	Virtual Machine (JVM urrent WebLogic Ser	i) and has its own configurati	on.				
Virtual Targets	New Clone	Delete					Showing 1 to	2 of 2 Previous   Next		
Concurrent Templates	🔲 Name 🚕		Type Clus	ter	Machine	State	Health	Listen Port		
Resource Management	AdminServer(	admin)	Configured			RUNNING	🖋 ОК	9900		
How do I	ManagedServ	er_1	Configured new,	Cluster_1	new_Machine_1	SHUTDOWN	Not reachable	9903		
Create Managed Servers	New Clone	Delete					Showing 1 to	2 of 2 Previous   Next		
Clone servers	Research Contractions of the									
Delete Managed Servers										
· boccernangea certera										
changes will automatically be activated as you modify, add or deter Rens in this domain.	This page summariz A cluster defines gro Customize this tai Clusters (Filtered New Clone New Clone New Clone	es the clusters that h pups of WebLogic Ser ble More Columns Ex Delete Cluster Address Delete	ise been configured in the c ver servers that work togeth ist) Cluster Messaging Mode Unicast	urrent WebLogic Serv r to Increase scalabil Migration Basis Database	er domain. Ity and reliability. Default Load Algorithm Round Robin	Replication Type (None)	Showing 1 to 1 Cluster Broadcast Channe Showing 1 to 1	of 1 Previous   Next Servers ManagedServer_1 of 1 Previous   Next		
Configuration celling is enabled. Future changes will automatically be advanted as you modify, add or delete items in this domain. Domain Structure temp_domain ⊕ Domain Partitions ⊕ Domain Partitions ⊕ Domain Partitions ⊕ Consense temperature ⊕ Colusters — Resource Group Templates	Summary of Machin A machine is the log server in a cluster t remote servers. This page displays i Customize this ta Machines New Clone	es gical representation o o which certain tasks sey information abou ble Delete	of the computer that hosts or , such as HTTP session replik it each machine that has bee	e or more WebLogic ation, are delegated. n configured in the cu	Server instances (servers). W The Administration Server us rirent WebLogic Server domai	ebLogic Server uses c es the machine definit n.	onfigured machine names to d ion in conjunction with Node M Showing 1 to	etermine the optimum fanager to start 1 of 1 Previous   Next		
Virtual Hosts	Name					Type				
Virtual Targets	Name 🕫					Type				
Concurrent Templates	ew_Machine_	1				Machine				
Resource Management	New Clone	Delete					Showing 1 to	1 of 1 Previous   Next		

![](_page_22_Picture_2.jpeg)

# 9. Party User Interface Deployments

#### 9.1 Steps to deploy as application

NOTE: Server names, Domain names need not to be same as this doc provides.

Steps to Deploy archives as application on weblogic is same except that managed server and domain where we deploy may differ. In case of foundation app shell, the obpy-component-server.war should be deployed in the same managed server along with the other UI component war. Find the below screenshots to see how deployment of archive as application is done on weblogic:

- 1. Extract the obpy-component-server.war from the **UI** folder.
- 2. Open Weblogic console and navigate to the **Deployments**.

![](_page_23_Picture_6.jpeg)

![](_page_23_Picture_7.jpeg)

3. Click **Install**, select the path and press **Enter** key.

View changes and restarts	Home >Summary of Servers >PLATO >Summary of Mac	chines >SERVICING >Summary of Deployments
	Install Application Assistant	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.   Lock & Edit  Release Configuration	Back       Next       Finish       Cancel         Locate deployment to install and prepare for Select the file path that represents the application	r <b>deployment</b> root directory, archive file, exploded archive directory, or a
Domain Structure	Note: Only valid file paths are displayed below. If	you cannot find your deployment files, Upload your file(s)
dev_domain -Domain Partitions Partition Work Managers Invironment Deployments Security Realms Interoperability	Path: Recently Used Paths: Current Location:	
E→Diagnostics	🔘 🧕 obremo-app-shell-snapshot.war	
	Back Next Finish Cancel	

4. Check the option install this deployment as an application option and click **Next**.

Configuration editing is enabled. Future	Install Application Assistant					
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cance	ы				
Domain Structure	Choose installation type and s	cope				
temp_domain	Select if the deployment should be	installed as an application or library. Also decide the scope of this deployment.				
Environment     Deployments	The application and its components	will be targeted to the same locations. This is the most common usage.				
Services     Security Realms	Install this deployment as an application					
Interoperability     Diagnostics	Application libraries are deployment	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing application				
	$\bigcirc$ Install this deployment as a	Install this deployment as a library				
	Select a scope in which you want to	install the deployment.				
	Scope:	Global 🗸				
How do I 🗆	Back Next Finish Cance	<u>a</u> ]				

5. Keep clicking Next after making any specific choices (if required).

![](_page_24_Picture_5.jpeg)

6. Check the option **Yes, take me to the deployment's configuration screen** and click **Finish**.

![](_page_25_Picture_1.jpeg)

7. Navigate to the **Control** tab and click **start.** Select the option **Servicing all requests** and Click **Yes**.

View changes and restarts	Home >Summary	of Servers >Sur	mmary of Clu	isters >Summary of Servers >Summary	of Machines >Summary of Servers >Sumr	mary of Clus	ters >Summa	ry of Machines >Summary	y of Deployments >o	bremo-app-sh	ell-snapshot >Summary	y of
Configuration editing is enabled. Future	Deployments											
changes will automatically be activated as you	Summary of Dep	oloyments										
modify, add or delete items in this domain.	Configuration	Control Mo	onitoring									
Domain Structure												
temp_domain	This page displ	ays the list of J	Java EE appl	lications and standalone application	modules installed to this domain.							
Environment	You can start a	nd stop applica	ations and n	nodules from the domain by selecting	the checkbox next to the application	name and	then using th	e controls on this page				
Deployments												
Services	E Customize th	is table										
Interoperability												
Diagnostics	Deployments											
	Start V Sto	рv								Showin	g 1 to 1 of 1 Previous	Next
	Servicing all re	equests	- 1			State	Health	Type	Tarnets	Scone	Domain Partitions	
	- Servicing only	administration	n requests			otute	meanin	1100	Turgets	beope	Domain Furthering	
	🐸 🖽 obrem	o app shell sna	apshot			Active	🗸 ОК	Web Application	AdminServer	Global		
	Start ✓ Sto	рv								Showing	g 1 to 1 of 1 Previous	Next
How do I												
Configure an enterprise application												
<ul> <li>Start applications and modules</li> </ul>												
<ul> <li>Stop applications and modules</li> </ul>												
<ul> <li>View the modules of an enterprise application</li> </ul>												
<ul> <li>Monitor the modules of an enterprise application</li> </ul>												

8. Verify state is Active. If yes, open the URL in this format: https://HostName:PortNo/app-shell/

![](_page_25_Picture_5.jpeg)

# **10.Restarts and Refresh**

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

#### 10.1 <u>Restarting Servers</u>

1. Navigate to **Environment** and then click **Servers**.

Change Center						
View changes and restarts						
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.						
Domain Structure						
temp_domain						
Domain Partitions						
-Environment						
Servers						
±-Clusters						
Coherence Clusters						
Resource Groups						
Resource Group Templates						
Machines						
Virtual Hosts						
Virtual Targets						
Work Managers						
Concurrent Templates						
Resource Management						

2. Click Control tab and select servers to shut down and click Yes to confirm shutdown.

View changes and restarts	Hone > Summary of Servers > Summary of Clusters > Summary of Machines > Summary of Deployments > Opremo-app-shell-snapshot > Summary of Deployments > Summary of Servers > Summary of Machines > new_Machine_1 > Sum Servers							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Servers							
	Configuration Control							
Domain Structure temp_domain      Domain Partitions      F-Environment	Use this page to change the state of the servers in this WebLo wide administration port.	gic Server domain. Control operations on Managed Se	rvers require starting the Node M	lanager. Starting Managed Servers in Standby mode requires the domain-				
Servers	52							
Constens     Coherence Clusters     Resource Groups     Resource Group Templates     Machines	© Customize this table Servers (Filtered - More Columns Exist)							
Virtual Hosts	Start Resume Suspend V Shutdown V Restart	SSL		Showing 1 to 2 of 2 Previous   Next				
Work Managers	Server 🗞	Machine	State	Status of Last Action				
Resource Management	AdminServer(admin)		RUNNING	None				
How do I	ManagedServer_1	new_Machine_1	RUNNING	TASK COMPLETED				
Start and stop servers	Start Resume Suspend - Shutdown - Restart	SSL		Showing 1 to 2 of 2 Previous   Next				
<ul> <li>Start Managed Servers from the Administration Console</li> </ul>								

![](_page_26_Picture_7.jpeg)

View changes and restarts	Home > Summary or Servers > Summary or Cruste Servers	ers > summary or machin	ies > summary or Deployments > obremo-app-sneir	snapsnot > Summary or Deproyments > S	summary or servers > summary or i	Machines > new_Machine_1 > Summary of				
Configuration editing is enabled. Future	Summary of Sarvare									
changes will automatically be activated as you modify add or delete items in this domain	Summary of Scivers									
noony, and of delete nems of this domain	Configuration Control									
Domain Structure										
emp_domain	Use this page to change the state of the ser	vers in this WebLogic	Server domain. Control operations on Manager	d Servers require starting the Node M	lanager. Starting Managed Serv	ers in Standby mode requires the domain-				
Domain Partitions	wide administration port.	-								
Environment										
D-Clusters										
Coherence Clusters										
Resource Groups	Customize this table									
Resource Group Templates	Servers (Filtered - More Columns Exist	:)								
	Start Decume Sugnand v Shuth	Restart SSI				Showing 1 to 2 of 2 Draviour   Next				
···Virtual Targets	Ular result ouspend	werk completes				Showing 1 to 2 to 2 Previous   Next				
Work Managers	Server 🗞	work completes	Machine	State	Status of Last Action					
Concurrent Templates	AdminServer(admin)	shutdown now		RUNNING	None					
	ManagadServer 1		new Machine 1	PUNNING	TASK COMPLETED					
How do I	Cast Desure Consector Chut	Destart COL	interior interiment	nonnero.		Character 2 (2) Provident Library				
<ul> <li>Start and stop servers</li> </ul>	Start Resume Suspend V Shulo	iown v Restant 55L				Showing 1 to 2 or 2 Previous   Next				
<ul> <li>Start Managed Servers from the</li> </ul>										
Menu changes and sectorie	Home >Summary of Servers >Summary of Cluste	ers >Summary of Machin	es >Summary of Deployments >obremo-app-shell-sr	napshot >Summary of Deployments >Su	mmary of Servers >Summary of Ma	chines >new_Machine_1 >Summary of				
new changes and restarts	Servers									
configuration editing is enabled. Future changes will automatically be activated as you	Summary of Servers									
modify, add or delete items in this domain.	Configuration Control									
Domain Structure										
temo demain										
Domain Partitions	Use this page to change the state of the ser wide administration port.	rvers in this WebLogic	Server domain. Control operations on Managed	Servers require starting the Node Ma	nager. Starting Managed Servers	in Standby mode requires the domain-				
Environment										
Servers	23									
Coherence Clusters										
Resource Groups	Customize this table									
***Resource Group Templates	Sensers (Eiltered - More Columns Exist	a								
Machines	Scivers (Filtered Profe Columns Exist									
	Start Kesume Suspend V Shutd	Iown V Restart SSL				Showing 1 to 2 of 2 Previous   Next				
Work Managers	Server 🗇		Machine	State	Status of Last Action					
Concurrent Templates	AdminSenver(admin)			DUNNING	None					
1 PriResource Management	Automase ver(autom)		and the later of	CULTER CULT	TAGK COMPLETED					
How do I	ManagedServer_1		new_machine_1	SHUTDOWN	TASK COMINLETED					
<ul> <li>Start and stop servers</li> </ul>	Start Resume Suspend - Shutd	lown v Restart SSL				Showing 1 to 2 of 2 Previous   Next				
<ul> <li>Start Managed Servers from the</li> </ul>	0									
Administration Console										

3. Once shutdown is completed, navigate to **Control** and select the servers to start and confirm action.

View changes and restarts	Home >Summary of Servers >Summary of Clu	sters >Summary of Machines >Summary of Dep	loyments >obremo-app-shell-snapshot >Sr	Summary of Deployments >5	Summary of Servers >Summary of Machines >new_Machine_1 >Summary of			
Configuration editing is enabled. Future	servers							
changes will automatically be activated as you	Summary of Servers							
modiry, and or delete items in this domain.	Configuration Control							
Domain Structure								
temp_domain  P-Domain Partitions  F-Environment  Servers  Clusters  Clusters	Use this page to change the state of the servers in this WebLopic Server domain. Control operations on Nanaged Servers require starting the Node Nanager. Starting Managed Servers in Standby mode requires the domain- wide administration port.							
Resource Groups	Customize this table							
	Servers (Filtered - More Columns Exi	st)						
Virtual Hosts	Start Resume Suspend ~ Shu	tdown ~ Restart SSL			Showing 1 to 2 of 2 Previous   Net			
Work Managers	Server 🗞	Machine	State	Status o	f Last Action			
Resource Management	AdminServer(admin)		RUNNING	None				
How do I	ManagedServer_1	new_Machine_1	STARTING	TASK IN	PROGRESS(7 seconds)			
	Start Resume Suspend - Shu	tdown ~ Restart SSL			Showing 1 to 2 of 2 Previous   Net			
Start and stop servers								
<ul> <li>Start Managed Servers from the Administration Console</li> </ul>								
	Home Science and of Consers Science and of Clu	stare Sciemmani of Machinae Sciemmany of Dan	overante Sabremo, app., shall, enanshat SSur	ummany of Daploymants >Su	mmany of Canzare S.Cummany of Machinas Space Machina, 1 S.Cummany of			
View changes and restarts	Servers	and a summing of Poletimer a summing of pole	olumny contents abb and subbanar con	annuary or paperprisence - Su	mining of Servers > Summing of Proclimes > here_rectime_x > Summing of			
Configuration editing is enabled. Future channes will automatically be activated as you	Summary of Servers							
modify, add or delete items in this domain.	Configuration							
Domaio Structuro	Constant Control							
temp domain								
Domain Partitions	Use this page to change the state of the s wide administration port.	ervers in this WebLogic Server domain. Con	trol operations on Managed Servers requ	quire starting the Node Ma	mager. Starting Managed Servers in Standby mode requires the domain-			
⊟-Environment								
Servers	25							
Coherence Clusters								
Resource Groups	Customize this table							
Resource Group Templates	construction of the second second							
Machines	Servers (Filtered - More Columnis Ex	s()						
Virtual Hosts	Start Resume Suspend - Shu	tdown ~ Restart SSL			Showing 1 to 2 of 2 Previous   Next			
Work Mapagers	Comment A	Mashina	Chata		Status of Last Action			
Hork Humogera		Placing	State	•	Status of Last Action			
Concurrent Templates	- Server vv							
Concurrent Templates     Resource Management	AdminServer(admin)		RUNNI	ING	None			
How do L	AdminServer(admin) ManagedServer_1	new_Machine_1	RUNNI	IING	None TASK COMPLETED			
How do I	AdminServer(admin) ManagedServer_1 Start Resume Suspend V Shu	new_Machine_1	RUNNI RUNNI	IING IING	None TASK COMPLETED Showing 1 to 2 of 2 Previous   Next			
Concurrent Templates     Concurrent Management	AdminServer(admin) ManagedServer_1 Start Resume Suspend v Shu	new_Machine_1 tdown ~ Restart SSL	RUNNI	IING	None TASK COMPLETED Showing 1 to 2 of 2 Previous   Next			

![](_page_27_Picture_3.jpeg)

4. When all requested servers are running, navigate to **Deployments** and check if deployments are in active state.

View changes and restarts	Home >Summary of Deployments >obremo-app-theli-snapabot >Summary of Deployments >Summary of Servers >Summary of Machines >new_Machines_1 >Summary of Servers >Summary of Deployments >obremo-app-sheli- snapshot >Summary of Deployments									
Configuration editing is enabled. Future changes will automatically be activated as you	Summary of Deployments Configuration Control Monitoring									
modify, add or delete items in this domain.										
Domain Structure										
temp_domain	This page displays the list of Java EE applications and standalone application modules installed to this domain.									
Environment	You can update (redeploy) or delete installed applications and modules from the domain by selecting	You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.								
Deployments	To install a new application or module for deployment to targets in this domain, click Install.	To install a new application or module for deployment to targets in this domain, click Install.								
Security Realms										
Discrete admity Interoperating	Customize this table									
	Deployments	Deployments								
	Install Update Delete Showing 1 to 1 of 1 Previous Next									
	Name 🔅 Name State Health Type Targets Scope Domain Partitions Deployment Order									
How do I	Gobremo-app-shell-snapshot	Active	🗸 ОК	Web Application	ManagedServer_1	Global		100		
Install an enterprise application	Install Update Delete	Install Update Delete Showing 1 to 1 of 1 Previous   Next								
Configure an enterprise application										
Update (redeploy) an enterprise application										

![](_page_28_Picture_2.jpeg)

# **11.Deployments**

### 11.1 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

# 11.2 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.

"uri": "http://{{PROCESS\_SERVER\_HOST}}:{{PROCESS\_SERVER\_PORT}}/plato-orchservice/api/metadata/workflow\_\_\_\_\_\_\_

{{PROCESS\_SERVER\_HOST}} - IP of the Conductor server.

{{PROCESS\_SERVER\_PORT}} - Port of the Conductor server

# 11.3 Steps to Deploy Conductor Process

**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".

![](_page_29_Picture_14.jpeg)

3. Input the header params as shown below:

▹ PostWorkflow	Comments 0 Examples 0 •
PUT v	Send - Save -
Params Authorization Headers (3) Body   Pre-request Script Tests Settings	Cookies Code
▼ Headers (3)	
	Key-Value Edit Presets 🔻
Content-Type:application/json branchCode:004 userId:KARTHIKR	

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

PUT - Send - Save	*
Params     Authorization     Headers (3)     Body ●     Pre-request Script     Tests     Settings     Cookies	Code
none     form-data     x-www-form-urlencoded     raw     binary     GraphQL     JSON     Son	utify
2 * { 	
/ "undataline", 1501505022512,	
5 "name" (ZAME".	
6 "version": 1.	
7 * "tasks": [	
9 "name": "CAMServiceGateway",	
<pre>10 "taskReferenceName": "CAMServiceGateway",</pre>	
11 • "inputParameters": {	
12 "isFromCollateralEvaluation": "\${workflow.input.transactionData.moduleData.isFromCollateralEvaluation}"	
13 },	
14 "type": "DECISION",	
15 "caseValueParam": "isFromCollateralEvaluation",	
16 - "decisionCases": {	
17 • "N": [	
19 "name": "Proposal Initiation",	
20 "taskReferenceName": "Initiation",	

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

PUT	*									Send	•	Save	*
1022 - 1023 1024 1025 1026 1027 - 1028 1029 1030 1031 1032 1033 1034 1035	<pre>"inputP "part "appl "cust ], "output "reje "loan "emai }, "schema "restar "workfl</pre>	arameters": yId", icationNumbe comerName" Parameters" ctionRemark: GrantStatus": lstatus": ": Version": 2 table": truu cowstatusLis	[ er", ": "\$(humant ": "\$(humanta \$(CNFRM_CORP_ , e, tenerEnabled"	ask_apprv_cor sk_apprv_corp LOAN.output.e : false	p_loan. _loan.o mailsta	output.re utput.loan tus}"	jectionRemar nGrantStatus	*ks)", s}",					
Body Co	pokies He	eaders (6)	Test Results					Status: 204 No Content	Time: 309ms	Size: 281 B	Save	Response	e 🔻
Pretty	Raw	Preview	Visualize	JSON 🔻	₽								Q

![](_page_30_Picture_6.jpeg)

# ORACLE

#### 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

Copyright © 2021, 2022, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. 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 failsafe, 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.

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.

This software or hardware and documentation may provide access to or information on 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. 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.