# Oracle® Banking Origination Installation Guide



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ORACLE

Oracle Banking Origination Installation Guide, Release 14.8.0.0.0

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## Purpose

This guide helps the user to perform the initial setup for Oracle Banking Origination application. The procedures given in this document must be completed to run the application successfully.

## Audience

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

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The following text conventions are used in this document:

Convention Meaning		
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.	
<i>italic</i> Italic type indicates book titles, emphasis, or placeholder variables for you supply particular values.		
monospace Monospace type indicates commands within a paragraph, UF examples, text that appears on the screen, or text that you en		

## Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the manual are as follows:

### Table Acronyms table

Abbreviation	Description
OBMA	Oracle Banking Microservices Architecture

# 1 Overview

This installation user guide would allow you to install the below mentioned Oracle Banking Origination services, UI, process flow in same order. Also mentioned is the list of Common Core services required by Oracle Banking Origination services.

#### **Common Core Services**

- 1. cmc-account-services
- 2. cmc-additional-attributes-services
- 3. cmc-advice-services
- 4. cmc-base-services
- 5. cmc-batch-services
- 6. cmc-branch-services
- 7. cmc-businessoverrides-services
- 8. cmc-checklist-services
- 9. cmc-checklistmanagement-services
- 10. cmc-comments-services
- **11.** cmc-currency-services
- 12. cmc-customer-services
- **13.** cmc-datasegment-services
- 14. cmc-document-services
- 15. cmc-documentmanagement-services
- 16. cmc-external-chart-account
- 17. cmc-external-system-services
- 18. cmc-mis-services
- 19. cmc-ml-indb-services
- 20. cmc-obcbs-services
- 21. cmc-obrh-kafka-consumer
- 22. cmc-obrh-service
- 23. cmc-opds-services
- 24. cmc-priority-services
- 25. cmc-processcode-service
- **26.** cmc-report-services
- 27. cmc-resource-segment-orchestrator-service
- 28. cmc-resourceclass-services



- 29. cmc-screenclass-services
- 30. cmc-sequencegenerator-services
- 31. cmc-settlements-services
- 32. cmc-sla-services
- 33. cmc-transactioncontroller-services
- 34. cmc-txn-code-services
- 35. cmc-limits-collaterals-services

#### **Product Manufacturing Unit Services**

1. pmu-bd-maintenance-service

### **Oracle Banking Origination Services**

- 1. obremo-rpm-maintenance-services
- 2. obremo-rpm-process-driver-services
- 3. obremo-rpm-businessprocess-services
- 4. obremo-rpm-businessproductdetails-services
- 5. obremo-rpm-cmn-applicantservices
- 6. obremo-rpm-cmn-hostservices
- 7. obremo-rpm-cmn-scorecardservices
- 8. obremo-rpm-lo-loanapplications
- 9. obremo-rpm-sav-account-service
- 10. obremo-rpm-term-deposit-service
- 11. obremo-rpm-projection-services
- 12. obremo-rpm-batch-services
- 13. obremo-rpm-cmn-ipaservices
- 14. obremo-rpm-cmn-collateralservices
- 15. obremo-rpm-creditcardapplication
- 16. obremo-rpm-rule-configurationservice
- 17. obremo-rpm-cmn-mlservice

### **User Interface**

UI war is split into individual component server war files. All the component server war files should be deployed in the same managed server.

For Common Core war files, deploy the war files mentioned below:

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

#### **Product Manufacturing Unit**

For Product Manufacturing Unit war files, deploy the war file mentioned below:



1. pmu-component-server

For Domain Specific war files, deploy the individual component server war files mentioned below:

oboflo-component-server

### **Oracle Banking Origination Process Workflow**

- 1. APPENTRYHANDOFF.json
- 2. BNPLACCOPEN.json
- 3. CASAHOSTORCH
- CREDITCARD
- 5. CURRENTACCOUNT
- 6. CURRENTACCOUNTUS
- 7. EDUCATIONLOAN
- 8. HOMELOAN
- 9. HOSTORCHESTRATOR
- **10. INITIATION**
- **11. INSTCURACC**
- 12. INSTPLOAN
- **13. INSTSAVACC**
- 14. INSTTDACC
- 15. IPA
- 16. IRACDORIG.json
- 17. IRASAVORIG.json
- 18. LOANAGDEPO.json
- 19. LOANQUICKACCOPEN.json
- 20. PERSONALLOAN
- 21. SAVINGSACCOUNT
- 22. SAVINGSACCOUNTUS
- 23. SECPERSONALLOAN
- 24. SMBCURRENTACCOUNT
- 25. SMBINITIATION
- 26. SMBLOAN
- 27. SMBSAVINGS
- 28. SMBTD1
- 29. SMBTERMLOAN
- **30.** TDACCOUNT
- **31. TDACCOUNTUS**
- 32. TDHOSTORCH
- 33. VEHICLELOAN



# 2 Database Setup

In this section you are going to setup database related configuration for Oracle Banking Origination Installation.

It is recommended to create different schema for each application. Below setup is designed to work with separate schema for each application.

### Prerequisite

In this section, you are going to setup database related configuration for Oracle Banking Origination Installation. Before you proceed, ensure pre-installation setup is done. The preinstallation setup includes the configuration of database, setting up the setUserOverrides.sh. After creating the schema for each of the required micro services, DDLs and INCs of each micro-service to be compiled in the respective schemas. The DDLs and INCs ensure the creation of tables and availability of static data required for the execution of services. These are compiled automatically using flyway.

#### **Database Setup**

To setup DB for Oracle Banking Origination schema's to be created:

Service Name	Schema Required
obremo-rpm-maintenance-services	Yes (obremo-rpm-maintenance-services schema)
obremo-rpm-process-driver-services	Yes (obremo-rpm-process-driver-services schema
obremo-rpm-businessprocess-services	Yes (obremo-rpm-businessprocess-services schema)
obremo-rpm-businessproductdetails-services	Yes (obremo-rpm-businessproductdetails-services schema)
obremo-rpm-cmn-applicantservices	Yes (obremo-rpm-cmn-applicantservices schema)
obremo-rpm-cmn-hostservices	Yes (obremo-rpm-cmn-hostservices schema)
obremo-rpm-cmn-scorecardservices	Yes (obremo-rpm-cmn-scorecardservices schema)
obremo-rpm-lo-loanapplications	Yes (obremo-rpm-lo-loanapplications schema)
obremo-rpm-sav-account-service	Yes (obremo-rpm-sav-account-service schema)
obremo-rpm-term-deposit-service	Yes (obremo-rpm-term-deposit-service schema)
obremo-rpm-projection-services	Yes (obremo-rpm-projection-services schema)
obremo-rpm-batch-services	Yes (obremo-rpm-batch-server schema)
obremo-rpm-cmn-ipaservices	Yes (obremo-rpm-cmn-ipaservices schema)
obremo-rpm-cmn-collateralservices	Yes (obremo-rpm-cmn-collateralservices schema)
obremo-rpm-creditcardapplication	Yes (obremo-rpm-creditcardapplication schema)
obremo-rpm-cmn-mlservice	Yes (obremo-rpm-cmn-mlservice schema)
obremo-rpm-rule-configurationservice	No (Plato rule schema)

### Table 2-1 Database Setup



# 3 Domain Configuration

In thi section you are going to setup the domain configuration for Oracle Banking Origination application.

### Prerequisites

- **1**. Machine should have Java JDK installed.
- 2. Oracle Fusion Middleware has to be installed on the machine.

### Note:

Before proceeding with the following steps, complete the Oracle Banking Microservices Architecture installation as guided.

**3.** Steps for creating all Oracle Banking Origination domains, properties like port numbers, names are changes based on the domain. Screenshots are provided for such deviations. Domain creation process remains the same.

### Note:

For the exact version to be installed, refer to **Software Prerequisites** section in *License Guide*.

### **Oracle Banking Origination Domain Creation**

It is recommended to have separate domain for Oracle Banking Origination application.

Table 3-1 Domain Creation List

Service Name	Domain Name
obremo-rpm-maintenance-services	Oracle Banking Origination Domain
obremo-rpm-process-driver-services	Oracle Banking Origination Domain
obremo-rpm-businessprocess-services	Oracle Banking Origination Domain
obremo-rpm-businessproductdetails-services	Oracle Banking Origination Domain
obremo-rpm-cmn-applicantservices	Oracle Banking Origination Domain
obremo-rpm-cmn-hostservices	Oracle Banking Origination Domain
obremo-rpm-cmn-scorecardservices	Oracle Banking Origination Domain
obremo-rpm-lo-loanapplications	Oracle Banking Origination Domain
obremo-rpm-term-deposit-service	Oracle Banking Origination Domain
obremo-rpm-batch-services	Oracle Banking Origination Domain
obremo-rpm-projection-services	Oracle Banking Origination Domain
obremo-rpm-sav-account-service	Oracle Banking Origination Domain
obremo-rpm-cmn-ipaservices	Oracle Banking Origination Domain



### Table 3-1 (Cont.) Domain Creation List

Service Name	Domain Name
obremo-rpm-cmn-collateralservices	Oracle Banking Origination Domain
obremo-rpm-creditcardapplication	Oracle Banking Origination Domain
obremo-rpm-cmn-mlservice Oracle Banking Origination Domain	
obremo-rpm-rule-configurationservice	Oracle Banking Origination Domain
app-shell	Appshell Domain
cmc-component-server	Appshell Domain
moc-component-server	Appshell Domain
sms-component-server	Appshell Domain
oboflo-component-server	Appshell Domain
pmu-component-server	Appshell Domain

### Steps to Create Domain and Cluster Configuration

### Note:

For creating and configuring the domain, refer to **Domain Creation and Cluster Configuration** section in *ANNEXURE-1*.



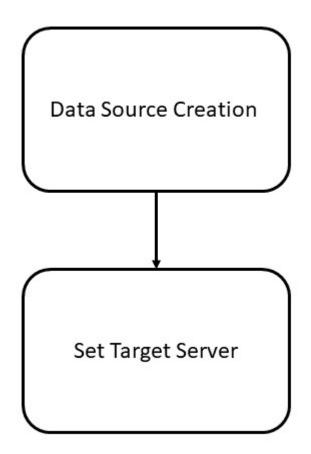
# 4 Data Sources Creation

In this section you are going to setup the data source creation for Oracle Banking Origination installation.

### Prerequisite

Database setup for Oracle Banking Origination has to be performed prior to the 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 Oracle Banking Origination services and the steps to configure them in the server.

### Figure 4-1 Data Source Creation





### Data Source 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
obremo-rpm- maintenance-services	RPMMAINTENANCE	jdbc/ OBREMOMAINTCE	Oracle Banking Origination Managed Server
obremo-rpm-process- driver-services	RPMProcessDriver	jdbc/ RPMPROCESSDRIVER	Oracle Banking Origination Managed Server
obremo-rpm- businessprocess- services	RPMBusinessProcess	jdbc/ OBREMOBUSSPRC	Oracle Banking Origination Managed Server
obremo-rpm- businessproductdetails- services	RPMBusinessProduct	jdbc/ OBREMOBPDETAILS	Oracle Banking Origination Managed Server
obremo-rpm-cmn- applicantservices	RPMCmnApplicant	jdbc/CMNAPPLICANT	Oracle Banking Origination Managed Server
obremo-rpm-cmn- hostservices	RPMHostService	jdbc/RPMHOST	Oracle Banking Origination Managed Server
obremo-rpm-cmn- scorecardservices	RPMScorecard	jdbc/CMNSCORECARD	Oracle Banking Origination Managed Server
obremo-rpm-lo- loanapplications	RPMLoan	jdbc/LOANAPP	Oracle Banking Origination Managed Server
obremo-rpm-term- deposit-service	RPMTD	Jdbc/TDACC	Oracle Banking Origination Managed Server
obremo-rpm-projection- services	RPMPROJECTION	jdbc/RPMPROJECTION	Oracle Banking Origination Managed Server
obremo-rpm-sav- account-service	RPMSaving	jdbc/SAVACC	Oracle Banking Origination Managed Server
obremo-rpm-cmn- ipaservices	RPMIPA	jdbc/IPA	Oracle Banking Origination Managed Server
obremo-rpm-cmn- collateralservices	RPMCOLLATTERAL	jdbc/ OBREMOCOLLATERAL	Oracle Banking Origination Managed Server
obremo-rpm- creditcardapplication	RPMCREDITCARD	jdbc/CCAPP	Oracle Banking Origination Managed Server
obremo-rpm-cmn- mlservice	RPMML	jdbc/OBREMOML	Oracle Banking Origination Managed Server, CMC Managed Server

### Table 4-1 Data Source List



Service Name	Data Source Name	Data Source JNDI	Targets
obremo-rpm-batch- services	RPMBATCH	Jdbc/RPMBATCH	Oracle Banking Origination Managed Server
Appshell UI	None	None	Appshell Server
cmc-component-server	None	None	Appshell Server
moc-component-server	None	None	Appshell Server
sms-component-server	None	None	Appshell Server
oboflo-component- server	None	None	Appshell Server
pmu-component-server	None	None	Appshell Server

### Table 4-1 (Cont.) Data Source List

#### **Steps to Create Datasource**

For creating data source, refer to How to Create Datasource section in ANNEXURE-1

### **Additional Datasource Mapping**

As part of Oracle Banking Origination, flyway jndi changes are incorporated. In order to deploy the services successfully, map the following data source to all the newly created managed servers for Oracle Banking Origination.

Data Source Name	Data Source JNDI	Targets
PLATO	jdbc/PLATO	Oracle Banking Origination Managed Server
PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG	Oracle Banking Origination Managed Server
SMS	jdbc/sms	Oracle Banking Origination Managed Server
PLATOBATCH	jdbc/PLATOBATCH	Oracle Banking Origination Managed Server
PLATORULE	jdbc/PLATORULE	Oracle Banking Origination Managed Server
COMMON CORE	jdbc/CMNCORE	Oracle Banking Origination Managed Server
PMU	jdbc/PMU	Oracle Banking Origination Managed Server

#### Table 4-2 List of Additional Datasource

### **User Grants**

The following grants are provided to the user in the Projection schema which is required for Machine Learning use cases.

- GRANT CREATE MINING MODEL TO <RPMML SCHEMA>;
- GRANT CREATE ANY MINING MODEL TO <RPMML SCHEMA>;
- GRANT ALTER ANY MINING MODEL TO <RPMML SCHEMA>;
- GRANT DROP ANY MINING MODEL TO <RPMML SCHEMA>;



- GRANT SELECT ANY MINING MODEL TO <RPMML SCHEMA>;
- GRANT COMMENT ANY MINING MODEL TO <RPMML SCHEMA>;
- GRANT EXECUTE ON DBMS\_DATA\_MINING to <RPMML SCHEMA>;
- GRANT CREATE TABLE TO <RPMML SCHEMA>;
- GRANT DROP ANY TABLE TO < RPMML SCHEMA>;
- GRANT CREATE JOB TO <PRODUCT PROJECTION SCHEMA>;

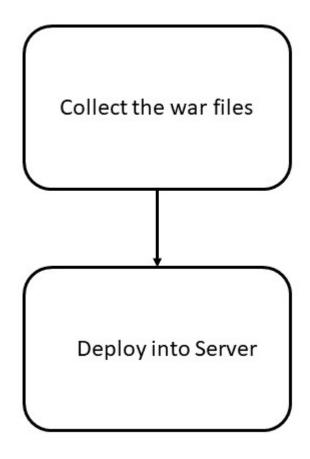
# 5 Deployments

In this section you are going to setup the deployments for Oracle Banking Origination Installation.

### Prerequisite

The database setup and data sources creation has 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 topic explains the list of war files of the Oracle Banking Origination application and the steps to deploy them into the server.

### Figure 5-1 Deployments



### **Deployments List**

The following table gives the details of deployments required on each domain to run the Oracle Banking Origination application. Deploy one after other in the same given order. The provided archive names are for reference purpose.



### Note:

For the exact version of the archive names and version, refer to the OSDC zip provided as a part of release.

Application	Archive name	OSDC path	Targets
Maintenance Services	obremo-rpm- maintenance-services- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-maintenance- services	Oracle Banking Origination Managed Server
Process Driver	obremo-rpm-process- driver-services- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-process-driver- services	Oracle Banking Origination Managed Server
Business Process	obremo-rpm- businessprocess- services-{version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm- businessprocess- services	Oracle Banking Origination Managed Server
Business Product details	obremo-rpm- businessproductdetails- services-{version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\ obremo-rpm- businessproductdetails- services	Oracle Banking Origination Managed Server
Common Applicant	obremo-rpm-cmn- applicantservices- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn- applicantservices	Oracle Banking Origination Managed Server
Host Services	obremo-rpm-cmn- hostservices- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn- hostservices	Oracle Banking Origination Managed Server
ScoreCard	obremo-rpm-cmn- scorecardservices- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn- scorecardservices	Oracle Banking Origination Managed Server
Loan Applicant Services	obremo-rpm-lo- loanapplications- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-lo- loanapplications	Oracle Banking Origination Managed Server
Savings (CASA) Services	obremo-rpm-sav- account-service- {version}.war	{unzip the file} OFLO_SERVICES\obre mo-rpm-sav-account- service	Oracle Banking Origination Managed Server
TD Services	obremo-rpm-term- deposit-service- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-term-deposit- service	Oracle Banking Origination Managed Server
Batch Service	obremo-rpm-batch- services-{version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-batch-services	Oracle Banking Origination Managed Server



Application	Archive name	OSDC path	Targets
PROJECTION Service	obremo-rpm-projection- services-{version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-projection- services	Oracle Banking Origination Managed Server
IPA Service	obremo-rpm-cmn- ipaservices- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn- ipaservices	Oracle Banking Origination Managed Server
Collateral Service	obremo-rpm-cmn- collateralservices- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn- collateralservices	Oracle Banking Origination Managed Server
Credit Card Service	obremo-rpm- creditcardapplication- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm- creditcardapplication	Oracle Banking Origination Managed Server
ML SERVICE	obremo-rpm-cmn- mlservice-{version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-cmn-mlservice	Oracle Banking Origination Managed Server
RULE CONFIGURATION SERVICE	obremo-rpm-rule- configurationservice- {version}.war	{ <b>unzip the file</b> } OFLO_SERVICES\obre mo-rpm-rule- configurationservice	Oracle Banking Origination Managed Server
OBO UI Components	app-shell-{version}.war cmc-component-server- {version}.war moc-component-server- {version}.war	{ <b>unzip the file</b> } ui/	Appshell Server
	sms-component-server- {version}.war oboflo-component- server-{version}.war		

Table 5-1	(Cont.)	<b>Deployments Li</b>	st
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### Note:

Refer to OSDC zip for the exact version number for each service.

### Steps to Deploy as Application

### Note:

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

# 6 Workflow Deployments

In this section you are going to setup the workflow deployments for Oracle Banking Origination Installation.

### **Oracle Banking Origination Processes**

The following list of Conductor based processes have to be deployed for Oracle Banking Origination.

Serial Number	Process Name	Dependent Process	
1	APPENTRYHANDOFF.json	None	
2	BNPLACCOPEN.json None		
3	CASAHOSTORCH	None	
4	CREDITCARD	None	
5	CURRENTACCOUNT	None	
6	CURRENTACCOUNTUS	None	
7	EDUCATIONLOAN	None	
8	HOMELOAN	None	
9	HOSTORCHESTRATOR	None	
10	INITIATION	None	
11	INSTCURACC	None	
12	INSTPLOAN	None	
12	INSTSAVACC	None	
14	INSTTDACC	None	
15	IPA	None	
16	IRACDORIG.json	None	
17	IRASAVORIG.json None		
18	LOANAGDEPO.json	None	
19	LOANQUICKACCOPEN.json	None	
20	PERSONALLOAN	None	
21	SAVINGSACCOUNT	None	
22	SAVINGSACCOUNTUS	None	
23	SECPERSONALLOAN	None	
24	SMBCURRENTACCOUNT	None	
25	SMBINITIATION None		
26	SMBLOAN	None	
27	SMBSAVINGS	None	
28	SMBTD1	None	
29	SMBTERMLOAN	None	
30	TDACCOUNT	None	
31	TDACCOUNTUS	None	

Table 6-1 List of Conductors



### Table 6-1 (Cont.) List of Conductors

Serial Number Process Name		Dependent Process	
32	TDHOSTORCH	None	
33	VEHICLELOAN	None	

### Update 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}}/
{{PROCESS_SERVER_HOST}} - IP of the Conductor server.
```

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

**Deploy the Conductor Process** 

#### Approach 1 - Postman

### Note:

Server names, Domain names must be same as provided in this guide.

Steps to Deploy a process remains the same for all the process files:

- 1. Launch Postman.
- 2. Select POST method.
- 3. Input the URL in the below format

```
http://{{PROCESS_SERVER_HOST}}:{{PROCESS_SERVER_PORT}}//plato-orch-
service/api/metadata/workflow
```

4. Input the header params as shown below:

```
Content-Type:application/json
userId:<userId>
appId:platoorch
branchCode:<branchCode>
entityId:DEFAULTENTITY
```

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



POST	v https://plato-orch-service/api/metadata/workflow
Params	Authorization Headers (13) Body • Pre-request Script Tests Settings
none	🔘 form-data 🔘 x-www-form-urlencoded 🥘 raw 🔘 binary 🔘 GraphQL JSON 🗸
	"name": "HOMELOAN",
	"description": "HOMELOAN",
	····*tasks*:-[
	"name": "kafka_msg",
	"taskReferenceName": "KAFKA_RPM_RLNORG_APPEN",
	"inputParameters": {
	"kafka_request": {
	"topic": "rpmDashboard",
	"value": {
	"applicationNo": "\${workflow.input.applicationNumber}",
	<pre>""""""""""""""""""""""""""""""""""""</pre>
	<pre>"branchCode": "\${workflow.input.currentBranchCode}",</pre>
	<pre>initiatedBy: "\${workflow.input.initiatedBy}",</pre>
	<pre>currentStageCode": "RPM_RLNORG_APPEN",</pre>
	"bootStrapServers": "\${workflow.input.server}",
	"headers": {
	and a second

6. Click Send. Response status 200 returned from server.

### Approach 2 – UI

**1.** From the menu, navigate to **Tasks** and click **Business Process Maintenance**. The **Workflow Maintenance** screen is displays.

Workflow Mainte	nance			:: ×
• Process List	Process List			Screen(1/3)
Process Management	Search: Search Workflow			
Verify & Submit	Scaren Worknow			
	Process Name: blank	Version: blank	Upload DSL +	
	Process Name: APPENTRYHANDOFF	Version: 2	Process Description: Application Entry HandOff Region Code: RW	
	Process Name: APPENTRYHANDOFF	Version: 1	Process Description: Application Entry HandOff Region Code: RW	
	Process Name: Approval_Workflow	Version: 13	Process Description: Approval Workflow for all Party Region Code: RW Types	
	Process Name: Approval_Workflow	Version: 12	Process Description: Approval Workflow for all Party Region Code: RW Types	
	Process Name: Approval_Workflow	Version: 11	Process Description: Approval Workflow for all Party Region Code: RW Types	
	Process Name: Approval_Workflow	Version: 10	Process Description: Approval Workflow for all Party Region Code: RW Types	
	Process Name: Approval_Workflow	Version: 9	Process Description: Approval Workflow for all Party Region Code: RW Types	

Figure 6-1 Process List

- 2. Click on the "Process Name" check box and upload the required DSL json file.
- 3. Click Next to navigate to the Process Management screen.



$\equiv$ ORACLE <sup>®</sup>	
Workflow Maintenance	0 ×
Process List	Process List Screen ( 1/
Process Management     Verify & Submit	Search: Search Workflow
	Process Name: blank     Version: blank     Upload DSL +
	Process Name ← → · · ↑ ■ · obremo-rp → workflow · · ℃ / Search workflow · · Search workflow
	Process Name Organize * New folder III * II @ Bescription: Home loan creation workflow Date modified
	Process Name Proce
	Process Name Process Name Process Name All File (*)
	Open Cancel

Figure 6-2 Process Management

4. Click Next to navigate to the Verify & Submit screen.

### Figure 6-3 Process Management

Process List	Process Management					S	icreen(2/
Process Management	✓ Workflow Actions						
Verify & Submit							
	Workflow Name:	Expand Node	Edit Parameters	Delete Node	(i) Workflow Info	DSL	
	Invalid Response or Blank						:

5. Click Create Process.

Figure 6-4 Create Process

Workflow Maintenance		() "* ×
Process List	Verify & Submit	Screen ( 3 / 3)
Process Management		
Verify & Submit	Preview         Create Process         Dxport DSL           Process Task List         Host orchestrate Task         HTP           Host Orchestrate Result         LAMEDA         LAMEDA	
	Back	Next Cancel



# 7 Kafka Topics

In this section you are going to setup the Oracle Banking Origination kafka topics.

### **Oracle Banking Origination Kafka Topics**

Below mentioned are the Kafka topics that are used in Oracle Banking Origination. All the below topics are to be created and verified in the Kafka Server by using the command.

<Kafka Bin Folder>/kafka-topics.sh --create --bootstrap-server <Broker ip/ hostname>:<Broker Port> --replication-factor 1 --partitions 1 --topic <topic name>

Serial Number	Topic Name	Description	Usage
1	rpmDashboard	This event is used for populating projection data for rendering the dashboard.	Updating all the attributes related to a process
2	InitialFundingAck	This event is triggered when TD and savings initial funding option is selected as CASH, Oracle Banking Origination triggers a teller transaction	Status change occurrence for an Oracle Banking Origination initiated transaction in Teller
		Status change of the same transaction will be updated to Oracle Banking Origination asynchronously.	
3	PartyKYCStatusUp date	This event is triggered related to when a customer onboarding request is sent to the party module. Party has its own workflow	KYC status update for the Customer
		Whenever the KYC verification is completed from party module, notification will be sent to Oracle Banking Origination.	
4	PartyHandoffNotific ation	This event is triggered related to when a customer onboarding request is sent to the party module. Party has its own workflow.	Customer accepts the offer
		A confirmation message will send from Oracle Banking Origination to the party module to notify that party module can proceed with creation of customer in their product processor.	
5	PartyHandoffToHos tStatus	After creating the customer in the product processor party module will send a message containing the created customer id to Oracle Banking Origination.	Customer is created in product processor



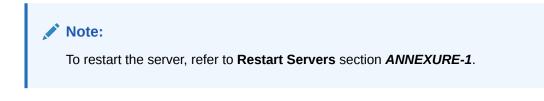
Serial Number	Topic Name	Description	Usage	
6	processTimePredic tionMessage	All services updates the required Machine Learning data into ML service table which will further be used for predicting the time required to complete the process.	Machine Learning Table Update	
7	oboremo-rpm- batch-services	To perform batch processing based on remote chucking enabled configuration	obremo-rpm-batch-services	
8	collateralHandoff	When the customer is created and notification is passed on to OBO, OBO will trigger a notification to OBCFPM based on which OBCFPM will actually create the liability	Notification to OBCFPM to initiate Liability Creation	
9	ofloAcknowledgem ent	Once the OBBRN call is made for teller txn, OBBRN will notify OBO back when the transaction is complete via this topic	Notification from OBBRN to update Txn Ref No & Status	
10	HandoffGenerated	OBO publish the channel event to send the customer ID to CFPM. So that user can go ahead for charge creation.	Notification from OBO to CFPM for charge creation.	
11	collateralGenericEv ent	CFPM publish the channel event once the handoff success from CFPM end. This will update liability ID in OBO.	Notification from CFPM to OBO to update liability ID created by CFPM in OBO.	
12	DocGptTrigger	Internal Kafka event to prepare and send train request to LLM service	Trigger to send train request to LLM service	
13	externalSystemAler tMessage	Plato Alerts Kafka Topic to notify Origination events to Oracle Banking Digital Experience Product	Oracle Banking Digital Experience Alert Notification	
14	DocumentAlertGen erate	Multiple services will publish message to this topic to generate and dispatch events	Document Generation Event	

Table 7-1	(Cont.) Kafka Topics
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# 8 Restarts and Refresh

This topic describes the procedure to restart and refresh the servers.

Once everything is deployed, restart all the managed servers. For each application, call path / refresh to refresh the configuration properties.



# 9 Logging Area

This topic describes about the logging area after deployment of Oracle Banking Origination applications in WebLogic server.

Oracle Banking Origination Application writes logs in the logging area of the server:

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

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

~/middleware/user\_projects/domains/oflo\_domain". Logging area for Oracle Banking Origination applications would be ~/middleware/user\_projects/domains/oflo\_domain/ servers/OBOAPP/logs/ OBOAPP.out.



# 10

# Launch Oracle Banking Origination from UBS

This section provides information on how to setup database related configuration for Oracle Banking Origination Installation.

It is recommended to create different schema for each application. Below setup is designed to work with separate schema for each application.

**Oracle FLEXCUBE Universal Banking Configurations** 

After Login to FLEXCUBE Universal Banking environment, click **Next Generation UI Menu** and launch the maintenance screen CSDNGUIM. Make sure that the user has roles for the screen. Update the Oracle Banking Microservices Architecture Product URL.

Next Gen UI Products Maintenar	ce	;; ×
D Enter Query		
Product Details		
Function Id *	Q	
Product Name *		
Product URL *		
Product Description		

A new Function id NGTELLER is released as Static Data and make sure the user roles have been maintained for the same. Once the roles are maintained, Click **Next Gen UI** on the toolbar. **Next Gen UI** Dashboard displayed with the list of products. Click **OFLO** product, which Launches Oracle Banking Microservices Architecture Teller Dashboard. Make sure the same User ID is maintained for the Oracle Banking Origination product and it has the necessary roles.

### **Oracle Banking Microservices Architecture Configurations**

SECURITY\_CONFIG table in PLATO\_SECURITY schema should have the following entries.

### Table 10-1 Security Configuration

Кеу	Value
INTEGRATION_ENABLED	True



### Table 10-1 (Cont.) Security Configuration

Кеу	Value
INTEGRATION_CALLBACK_URL	https://FCUBShostname:FCUBSport/FCJNeoWeb/ ValidationService/FCNonceValidation/validate

Please update the Oracle FLEXCUBE Universal Banking hostname and port number in the above URL.

# 11

## OCR Enabled Document Extraction Environment Setup

This topic provides the information on setting up the environment required for OCR enabled document extraction/verification feature used in Oracle Banking Origination.

The details of this feature can be obtained from **Operations User Guide**.

### **Reference Documents**

Below are the references for setting up of this environment:

- Refer to the Document Verification Framework topic in the Common Core Services Installation Guide.
- Refer to the Document Verification Framework topic in Oracle Banking Common Core User Guide.



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