

Installation Guide
Oracle Banking Branch
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1.1 Introduction

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

It is recommended to use dedicated managed server for each of the Plato infrastructure services, Oracle Banking Branch Services and Oracle Banking Branch User Interface.

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 Oracle Banking Branch services, UI, process flow in same order:

Oracle Banking Branch 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. obremo-srv-bcn-branchcommon-services
10. obremo-srv-adp-adapter-services
11. obremo-srv-cas-cash-services
12. obremo-srv-cmn-ml-processing
13. obremo-srv-cmn-transaction-services
14. obremo-srv-cus-customer-services
15. obremo-srv-pay-payment-services
16. obremo-srv-prj-projection-services
17. obremo-srv-tds-term-deposit-services
18. obremo-srv-cmn-utils-service
19. obbrn-srv-biz-businessprocess-services

Along with the above war files, only if it is an ITALY localisation implementation, deploy the war files mentioned below:

1. obremo-batch-cancelmavbatch-extended-services
2. obremo-batch-futuremavprocess-extended-services
3. obremo-blockmavnos-service
4. obremo-cirularchq-service
5. obremo-enttellerlargedenom-service
6. obremo-issuemav-service
7. obremo-mavbatchprocess-service
8. obremo-mrfparams-service
9. obremo-mrfpaymenttxn-service
10. obremo-statictype-service

User Interface

Follow the below steps to migrate from existing app-shell build to Foundation app-shell. With Foundation app-shell, 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
2. cmc-component-server
3. moc-component-server
4. sms-component-server

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

1. obbrn-component-server
2. obpy-component-server

ITALY Specific Application

Along with the above war files, only if it is an ITALY localisation implementation, deploy additional application 'extended-cluster.war' (name as appropriate) provided with the shipped sources.

Process Workflow

1. ACCOUNTADDRESSUPDATE
2. CUSTOMERADDRESSUPDATE
3. CUSTOMERCONTACTUPDATE
4. OBPY-PARTY-ONBOARDING-PROCESSFLOW
5. OBPY-PARTY-AMENDMENT-PROCESSFLOW
6. OBPY-PARTY-CORP-ONBOARDING-PROCESSFLOW
7. CMC_CHARGES_Consumer
8. PLATOCORE_Consumer

1.5 **Related documents**

For more information, refer to the following documents:

- Getting Started User Guide
- Pre installation Guide
- ANNEXURE-1

2. Database Setup

2.1 Introduction

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

2.2 Pre-requisite

In this section, you are going to setup database related configuration for Oracle Banking Branch Installation. Before you proceed, ensure pre-installation setup is done. The pre-installation 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.

2.2.1 Placeholder Update

The placeholders need to be configured in the `setUserOverrides.sh` file for Oracle Banking Branch installation. This topic provides the keys and their respective placeholder values for various services. To update the placeholders for Plato services, refer to **Placeholder Update for Plato-Services** section in ANNEXURE-1.

The keys and placeholder values for `obremo-srv-prj-projection-services` are as follows:

Key	Placeholder
<code>spring.cloud.stream.kafka.binder.txn.zkNodes</code>	<code>plato.eventhub.txn.zookeeper.hosts</code>
<code>spring.cloud.stream.kafka.binder.txn.brokers</code>	<code>plato.eventhub.txn.broker.hosts</code>
<code>spring.cloud.stream.kafka.binder.tilltot.zkNodes</code>	<code>plato.eventhub.tilltot.zookeeper.hosts</code>
<code>spring.cloud.stream.kafka.binder.tilltotDenom.brokers</code>	<code>plato.eventhub.tilltotDenom.broker.host</code>
<code>spring.cloud.stream.kafka.binder.tilltot.brokers</code>	<code>plato.eventhub.tilltot.broker.hosts</code>
<code>spring.cloud.stream.kafka.binder.tilltotDenom.zkNodes</code>	<code>plato.eventhub.tilltotDenom.zookeeper.hosts</code>

The keys and placeholder values for `obremo-srv-cmn-utils-services` are as follows:

Key	Placeholder
<code>plato.eventhub.kafka.brokers</code>	<code>plato.eventhub.broker.hosts</code>
<code>plato.eventhub.zk.nodes</code>	<code>plato.eventhub.zookeeper.hosts</code>

Key	Placeholder
poller.fixedRate	obremo-srv-cmn-utils-services.poller.fixedRate
poller.initialDelay	obremo-srv-cmn-utils-services.poller.initialDelay
pollingEmail	obremo-srv-cmn-utils-services.pollingEmail
emailServerPort	obremo-srv-cmn-utils-services.emailServerPort
emailServerHost	obremo-srv-cmn-utils-services.emailServerHost
pollingFrequency	obremo-srv-cmn-utils-services.pollingFrequency
emailPassword	obremo-srv-cmn-utils-services.emailPassword
plato.eventhub.oflo.zk.nodes	plato.eventhub.oflo.zookeeper.hosts
plato.eventhub.oflo.kafka.brokers	plato.eventhub.oflo.broker.hosts
spring.cloud.stream.kafka.binder.txn.zkNodes	plato.eventhub.txn.zookeeper.hosts
spring.cloud.stream.kafka.binder.txn.brokers	plato.eventhub.txn.broker.hosts
spring.cloud.stream.kafka.binder.tilltot.zkNodes	plato.eventhub.tilltot.zookeeper.hosts
spring.cloud.stream.kafka.binder.tilltotDenom.brokers	plato.eventhub.tilltotDenom.broker.host
spring.cloud.stream.kafka.binder.tilltot.brokers	plato.eventhub.tilltot.broker.hosts
spring.cloud.stream.kafka.binder.tilltotDenom.zkNodes	plato.eventhub.tilltotDenom.zookeeper.hosts

The keys and placeholder values for plato-alerts-management-services are as follows:

Key	Placeholder
plato.eventhub.kafka.brokers	plato.eventhub.broker.hosts
plato.eventhub.zk.nodes	plato.eventhub.zookeeper.hosts
EMAIL.PASSWORD	plato.alerts.email.password
EMAIL.USER_ID	plato.alerts.email.userId

The keys and placeholder values for cmc-fc-ai-ml-services are as follows:

Key	Placeholder
pollingEmail	cmc-fc-ai-ml-services.pollingEmail
emailServerPort	cmc-fc-ai-ml-services.emailServerPort
emailServerHost	cmc-fc-ai-ml-services.emailServerHost
pollingFrequency	cmc-fc-ai-ml-services.pollingFrequency
pollerInitialDelay	cmc-fc-ai-ml-services.pollerInitialDelay
emailPassword	cmc-fc-ai-ml-services.emailPassword
pollingPath	cmc-fc-ai-ml-services.pollingPath
postingPath	cmc-fc-ai-ml-services.postingPath

2.3 Database Setup

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

Service Name	Schema Required
obpy-stage-services	Yes (obpy-party-service schema)
obpy-party-services	Yes
obpy-party-kyc-services	Yes (obpy-party-service schema)
obpy-businessprocess-services	Yes (New Schema to be created for obpy-businessprocess-services for the JNDI jdbc/OBPYTCM)
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)
obremo-srv-bcn-branchcommon-services	Yes
obremo-srv-adp-adapter-services	Yes
obremo-srv-cas-cash-services	Yes
obremo-srv-cmn-ml-processing	No (obremo-srv-bcn-branchcommon-services schema)

Service Name	Schema Required
obremo-srv-cmn-transaction-services	Yes
obremo-srv-cus-customer-services	Yes
obremo-srv-pay-payment-services	Yes
obremo-srv-prj-projection-services	Yes
obremo-srv-tds-term-deposit-services	Yes
obremo-srv-cmn-utils-services	No (obremo-srv-bcn-branchcommon-services schema)
obbrn-srv-biz-businessprocess-services	Yes (obbrn-srv-biz-businessprocess-services schema)

2.4 Database Link Creation

Projection services from Oracle Banking Branch has to interface with Transaction and Payment service. To address above requirement, a database link has to be created in Transaction and Payment schema with the name PROJECTIONDBLINK pointing to Projection service's schema.

2.5 User Grants

The following common grants are provided to the user in the Oracle Banking Branch schema:

- grant create session to PLATO;
- grant create table to PLATO;
- grant create sequence to PLATO;

The following grants are provided additionally in the COMMON CORE schema:

- grant create procedure to CMNCORE;
- grant create synonym to CMNCORE;

The following grants are provided additionally in the TRANSACTION and PAYMENT schemas:

- grant create trigger to TRANSACTION ;
- grant create database link to TRANSACTION ;

In addition to the above grants provided to the user, you can add view creation grant in the projection schema as follows:

- grant create mining model to PROJECTION;
- grant create any mining model to PROJECTION;
- grant alter any mining model to PROJECTION;
- grant drop any mining model to PROJECTION;
- grant select any mining model to PROJECTION;
- grant comment any mining model to PROJECTION;
- grant audit any to PROJECTION;
- grant execute on DBMS_DATA_MINING to PROJECTION;

3. Oracle Banking Branch Services Domains Configuration

3.1 Prerequisites

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

NOTE: Before proceeding with below steps complete Plato installation guided.

3. Steps for creating all Oracle Banking Branch domains, properties like port numbers, names will be changing based on the domain. Screenshots provided for such deviations. Domain creation process remains the same.

NOTE: For the exact version to be installed, refer to **Software Pre-requisites** section in **License Guide**.

3.2 Oracle Banking Branch Service Domain Creation

It is recommended to have separate domain for Oracle Banking Branch 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	Oracle Banking Branch Domain
obpy-party-services	Oracle Banking Branch Domain
obpy-party-kyc-services	Oracle Banking Branch Domain
obpy-businessprocess-services	Oracle Banking Branch Domain
obpy-party-handoff-services	Oracle Banking Branch Domain
obpy-party-publisher-services	Oracle Banking Branch Domain
obpy-party-maintenance-service	Oracle Banking Branch Domain
obpy-party-adapter-services	Oracle Banking Branch Domain
obremo-srv-bcn-branchcommon-services	Oracle Banking Branch Domain
obremo-srv-cas-cash-services	Oracle Banking Branch Domain
obremo-srv-cmn-transaction-services	Oracle Banking Branch Domain
obremo-srv-pay-payment-services	Oracle Banking Branch Domain
obremo-srv-tds-term-deposit-services	Oracle Banking Branch Domain
obremo-srv-adp-adapter-services	Oracle Banking Branch Domain
obremo-srv-cmn-ml-processing	Oracle Banking Branch Domain
obremo-srv-cus-customer-services	Oracle Banking Branch Domain
obremo-srv-prj-projection-services	Oracle Banking Branch Domain
obremo-srv-cmn-utils-services	Oracle Banking Branch Domain
obbrn-srv-biz-businessprocess-services	Oracle Banking Branch Domain
obremo-batch-cancelmavbatch-extended-services*	Oracle Banking Branch Domain
obremo-batch-futuremavprocess-extended-services*	Oracle Banking Branch Domain

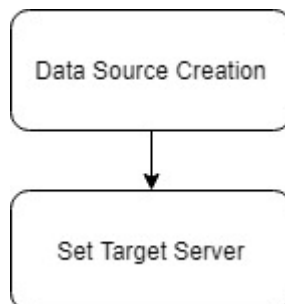
Service Name	Domain Name
obremo-blockmavnos-service*	Oracle Banking Branch Domain
obremo-cirularchq-service*	Oracle Banking Branch Domain
obremo-endtellerlargedenom-service*	Oracle Banking Branch Domain
obremo-issuemav-service*	Oracle Banking Branch Domain
obremo-mavbatchprocess-service*	Oracle Banking Branch Domain
obremo-mrfparams-service*	Oracle Banking Branch Domain
obremo-mrfpaymenttxn-service*	Oracle Banking Branch Domain
obremo-statictype-service*	Oracle Banking Branch Domain

NOTE: ITALY localization specific service should be considered only if it is an ITALY localization implementation.

4. Data Sources Creation

4.1 Pre-requisite

Database setup for Oracle Banking Branch 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 Oracle Banking Branch 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/OBPYTCM	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
obremo-srv-bcn-branchcommon-services	BRANCHCOMMON	jdbc/SRVBRANCHCOMMON	Servicing Managed Server
obremo-srv-cas-cash-services	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-srv-cmn-transaction-services	TRANSACTION	jdbc/SRVCMTXN	Servicing Managed Server

Service Name	Data source Name	Data source JNDI	Targets
obremo-srv-pay-payment-services	PAYMENT	jdbc/SRVPAYMENT	Servicing Managed Server
obremo-srv-tds-term-deposit-services	TERMDEPOSIT	jdbc/SRVTERMDEPOSIT	Servicing Managed Server
obremo-srv-adp-adapter-services	ADAPTER	jdbc/SRVADAPTER	Servicing Managed Server
obremo-srv-cmn-ml-processing	BRANCHCOMMON	jdbc/SRVBRANCHCOMMON	Servicing Managed Server
obremo-srv-cus-customer-services	CUSTOMER	jdbc/SRVCUSTOMER	Servicing Managed Server
obremo-srv-prj-projection-services	PROJECTION	jdbc/SRVPROJECTION	Servicing Managed Server
obremo-srv-cmn-utils-services	BRANCHCOMMON	jdbc/SRVBRANCHCOMMON	Servicing Managed Server
obbrn-srv-biz-businessprocess-services	BIZPROCESS	jdbc/BIZPRC	Servicing Managed Server
obremo-batch-cancelmavbatch-extended-services	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-batch-futuremavprocess-extended-services	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-blockmavnos-service	BRANCHCOMMON	jdbc/SRVCASH	Servicing Managed Server
obremo-cirularchq-service	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-endtellerlargedenom-service	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-issuemav-service	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-mavbatchprocess-service	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-mrfparams-service	BRANCHCOMMON	jdbc/SRVCASH	Servicing Managed Server
obremo-mrfpaymenttxn-service	CASH	jdbc/SRVCASH	Servicing Managed Server
obremo-statictype-service	BRANCHCOMMON	jdbc/SRVCASH	Servicing Managed Server

4.3 Steps to Create Datasource

For creating data source, refer to **How to create Data sources** section in ANNEXURE-1.

4.4 Additional Datasource Mapping

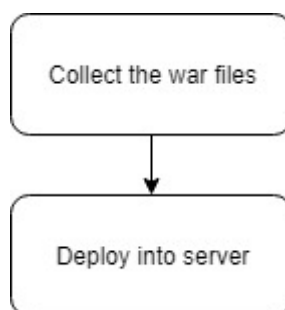
As part of Oracle Banking Branch, flyway jndi changes are incorporated. In order to deploy the services successfully, map the following data source to all the newly created managed servers for Oracle Banking Branch.

Data source Name	Data Source JNDI	Targets
PLATO	jdbc/PLATO	Servicing Managed Server and Party Managed Server
PLATO_UI	jdbc/PLATO_UI_CONFIG	Servicing Managed Server and Party Managed Server
SMS	jdbc/sms	Servicing Managed Server and Party Managed Server
COMMON CORE	jdbc/CMNCORE	Servicing Managed Server and Party Managed Server

5. Deployments

5.1 Pre-requisite

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 Oracle Banking Branch application and the steps to deploy them into the server.



5.2 Deployments List

Below table give details of the deployments required on each domain for the Oracle Banking Branch application to run. Deploy one after other in the same given order. The provided archive names are for reference purpose. Refer to the exact archive names available as a part of release.

Application	Archive name	OSDC path	Targets
OBPY Party Maintenance Services	obpy-party-maintenance-service-5.10.0.war	{ unzip the file } PARTY\obpy-party-maintenance-service	Party Managed Server
OBPY Stage Services	obpy-stage-services-5.10.0.war	{ unzip the file } PARTY\stage-services	Party Managed Server
OBPY Party Services	obpy-party-services-5.10.0.war	{ unzip the file } PARTY\obpy-party-services	Party Managed Server
Party KYC Services	obpy-party-kyc-services-5.9.0.war	{ unzip the file } PARTY\obpy-party-kyc-services	Party Managed Server
OBPY Businessprocess Services	obpy-businessprocess-services-5.10.0.war	{ unzip the file } PARTY\obpy-businessprocess-services	Party Managed Server
OBPY Party Handoff Services	obpy-party-handoff-services-5.9.0.war	{ unzip the file } PARTY\obpy-party-handoff-services	Party Managed Server
OBPY Party Publisher Services	obpy-party-publisher-services-5.9.0.war	{ unzip the file } PARTY\obpy-party-publisher-services	Party Managed Server
OBPY Party Adapter Services	obpy-party-adapter-services-5.9.0.war	{ unzip the file } PARTY\obpy-party-adapter-services	Party Managed Server

Application	Archive name	OSDC path	Targets
Branch Common Service	obremo-srv-bcn-branchcommon-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-bcn-branchcommon-services	Servicing Managed Server
Adapter Service	obremo-srv-adp-adapter-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-adp-adapter-services	Servicing Managed Server
Cash Services	obremo-srv-cas-cash-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-cas-cash-services	Servicing Managed Server
Machine Learning Processing	obremo-srv-cmn-ml-processing-5.9.0.war	{unzip the file}OBBRN\obremo-srv-cmn-ml-processing	Servicing Managed Server
Common Transaction Service	obremo-srv-cmn-transaction-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-cmn-transaction-services	Servicing Managed Server
Customer Service	obremo-srv-cus-customer-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-cus-customer-services	Servicing Managed Server
Payment Service	obremo-srv-pay-payment-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-pay-payment-services	Servicing Managed Server
Projection Services	obremo-srv-prj-projection-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-prj-projection-services	Servicing Managed Server
Term Deposit Service	obremo-srv-tds-term-deposit-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-tds-term-deposit-services	Servicing Managed Server
SRV Common Utils Services	obremo-srv-cmn-utils-services-5.9.0.war	{unzip the file}OBBRN\obremo-srv-cmn-utils-services	Servicing Managed Server
SRV Business Process Service	obbrn-srv-biz-businessprocess-services-5.9.0.war	{unzip the file}OBBRN\obbrn-srv-biz-businessprocess-services	Servicing Managed Server
ITALY Localisation Cancel MAV batch Service*	obremo-batch-cancelmavbatch-extended-services-5.3.0.war	{unzip the file}OBBRN_ITALY_LOCALISATION\SERVICES	Servicing Managed Server
ITALY Localisation Future MAV batch Service*	obremo-batch-futuremavprocess-extended-services-5.3.0.war	{unzip the file}OBBRN_ITALY_LOCALISATION\SERVICES	Servicing Managed Server
ITALY Localisation Block MAV Service*	obremo-blockmavnos-service-5.3.0.war	{unzip the file}OBBRN_ITALY_LOCALISATION\SERVICES	Servicing Managed Server
ITALY Localisation Circular Cheque Service*	obremo-cirularchq-service-5.3.0.war	{unzip the file}OBBRN_ITALY_LOCALISATION\SERVICES	Servicing Managed Server

Application	Archive name	OSDC path	Targets
ITALY Localisation End Teller Large Denom Service*	obremo- endtellerlargedenom- service-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation Issue MAV Service*	obremo-issuemav- extended-services- 5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation MAV batch Process Service*	obremo- mavbatchprocess- service-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation MRF parameter maintenance Service*	obremo-mrfparams- service-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation MRFA/MRFC transaction Service*	obremo-mrfpaymenttxn- service-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation SRV Batch Event Publisher Service*	obremo-srv-batch-event- publisher-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server
ITALY Localisation Static Type LOV Service*	obremo-statictype- service-5.3.0.war	{ unzip the file } OBBRN_ITALY_LOCALISATION \\SERVICES	Servicing Managed Server

NOTE: ITALY localization specific service war should be deployed only if it is an ITALY localization implementation.

5.3 Steps to Deploy as Application

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

6. Oracle Banking Branch Kafka Setup

The topics needs to be created after the installation of Kafka. For installation of Kafka, refer to **Plato Infrastructure Software Deployment** chapter in Plato Infrastructure Services Installation Guide.

To configure the Dashboard, create the following topics:

- EJLogMessage
- TillTotMessage
- TillTotDenomMessage
- InstDtIsMessage

For e-mail approval and Customer notification, create below topic:

- AlertMessage

To integrate Oracle FLEXCUBE Onboarding with Oracle Banking Branch, create below topic:

- InitialFundingAck

7. Restarts and Refresh

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

7.1 Restarting Servers

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

8. Logging Area

8.1 Introduction

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

8.1.1 Logging Area

Oracle Banking Branch 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 Oracle Banking Branch applications would be

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

9. Oracle Banking Branch UI Domain and Cluster Configuration

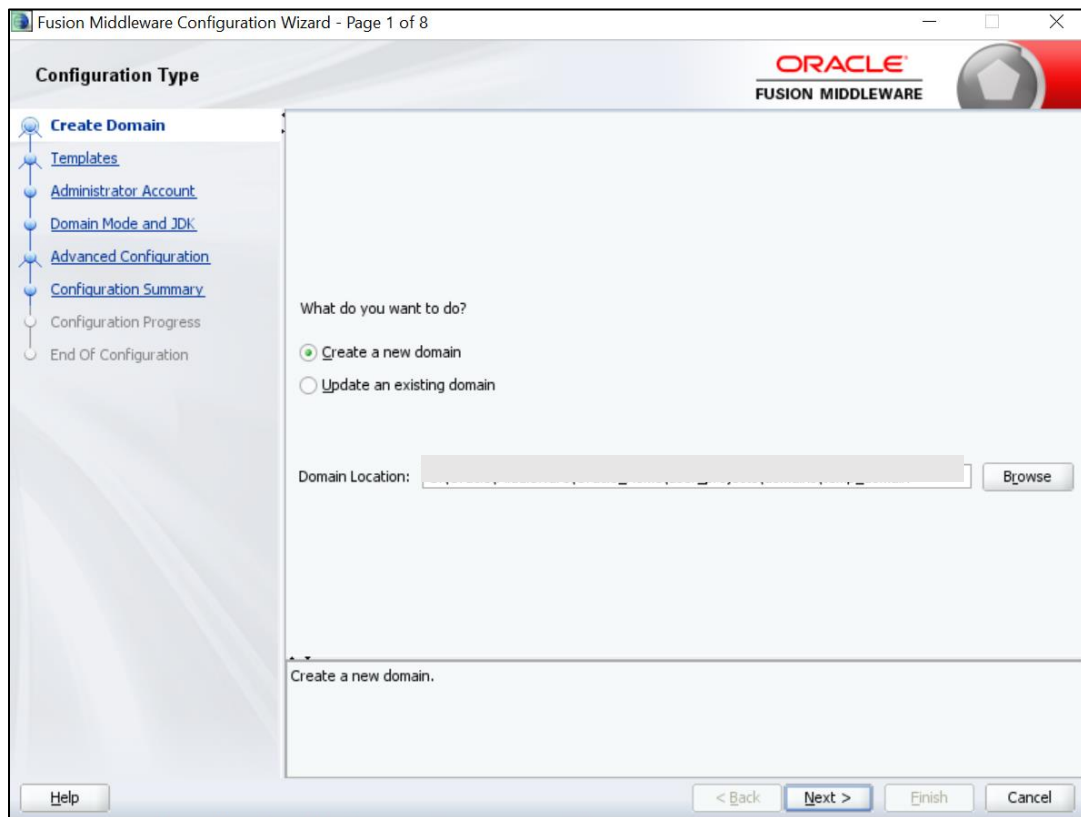
9.1 Prerequisites

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

NOTE: For the exact version to be installed, refer to **Software Pre-requisites** section in **License Guide**.

9.2 Oracle Banking Branch UI Domain (OBBRNUI)

1. Click **Create Domain** tab, and select **Create a new domain** option. Specify the domain location.



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

The screenshot shows the Oracle Fusion Middleware Configuration Wizard, Page 6 of 16, titled "Administration Server". The interface includes a navigation pane on the left with the following steps: Create Domain, Templates, Administrator Account, Domain Mode and JDK, Advanced Configuration, **Administration Server** (highlighted), Node Manager, Managed Servers, Clusters, Server Templates, Machines, Virtual Targets, Partitions, Configuration Summary, Configuration Progress, and End Of Configuration. The main configuration area contains the following fields:

- Server Name: AdminServer
- Listen Address: All Local Addresses
- Listen Port: 9900
- Enable SSL:
- SSL Listen Port:

At the bottom of the configuration area, a note states: "Port number must be between 1 and 65535, and different from SSL listen port and coherence port." The bottom of the window features a "Help" button on the left and "< Back", "Next >", "Finish", and "Cancel" buttons on the right.

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

The screenshot shows the 'Managed Servers' configuration screen in the Fusion Middleware Configuration Wizard. The window title is 'Fusion Middleware Configuration Wizard - Page 8 of 16'. The Oracle logo and 'FUSION MIDDLEWARE' text are visible in the top right corner. The navigation pane on the left lists various configuration steps, with 'Managed Servers' currently selected and highlighted. The main area contains a table with the following data:

Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port
ManagedServer_1	All Local Addresses	9903	<input checked="" type="checkbox"/>	Disabled

At the top of the table area, there are buttons for '+ Add', 'Clone', and 'Delete', along with a 'Discard Changes' button. At the bottom of the window, there are navigation buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. A 'Help' button is located in the bottom left corner.

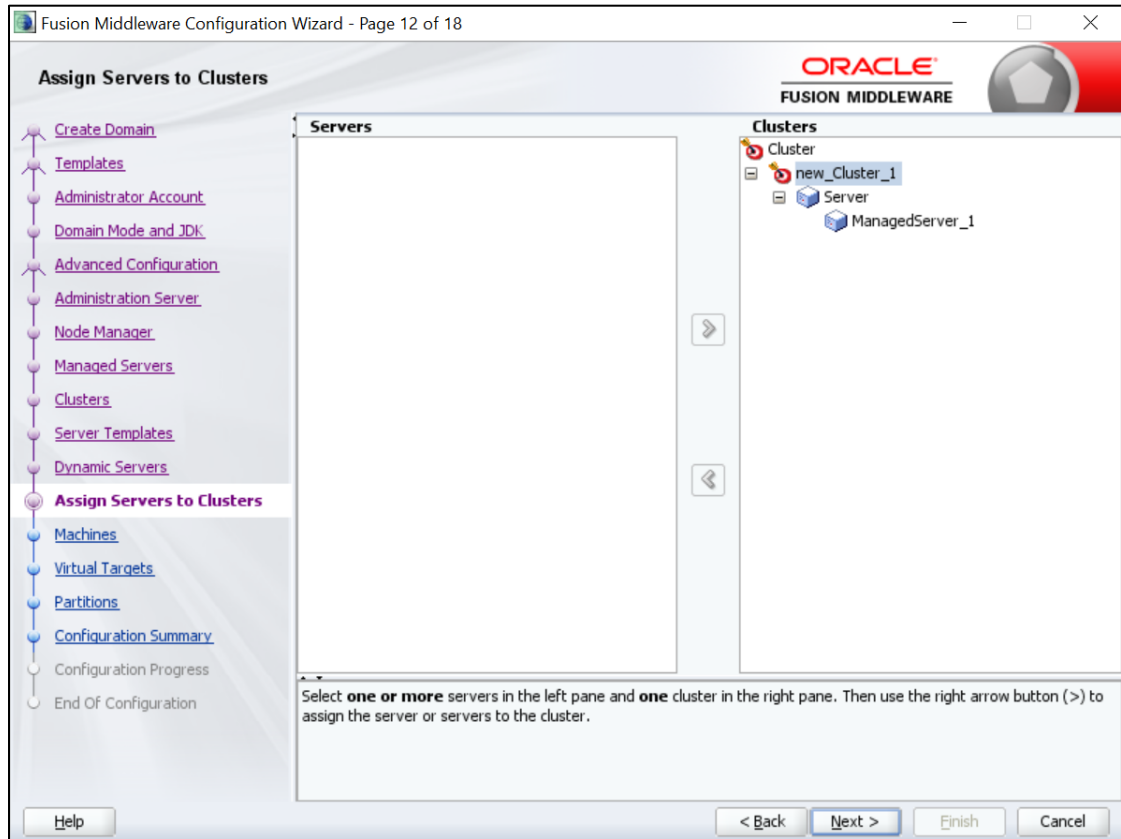
4. On **Clusters** screen, add entry for cluster, and click **Next**.

The screenshot shows the 'Clusters' configuration screen in the Fusion Middleware Configuration Wizard. The left sidebar contains a navigation tree with the following items: Create Domain, Templates, Administrator Account, Domain Mode and JDK, Advanced Configuration, Administration Server, Node Manager, Managed Servers, **Clusters** (selected), Server Templates, Dynamic Servers, Assign Servers to Clusters, Machines, Virtual Targets, Partitions, Configuration Summary, Configuration Progress, and End Of Configuration. The main area displays a table with the following data:

Cluster Name	Cluster Address	Frontend Host	Frontend HTTP Port	Frontend HTTPS Port
new_Cluster_1			0	0

Buttons at the top of the table area include '+ Add', 'X Delete', and 'Discard Changes'. At the bottom of the wizard, there are buttons for '< Back', 'Next >', 'Finish', and 'Cancel'. The Oracle logo and 'FUSION MIDDLEWARE' text are visible in the top right corner.

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



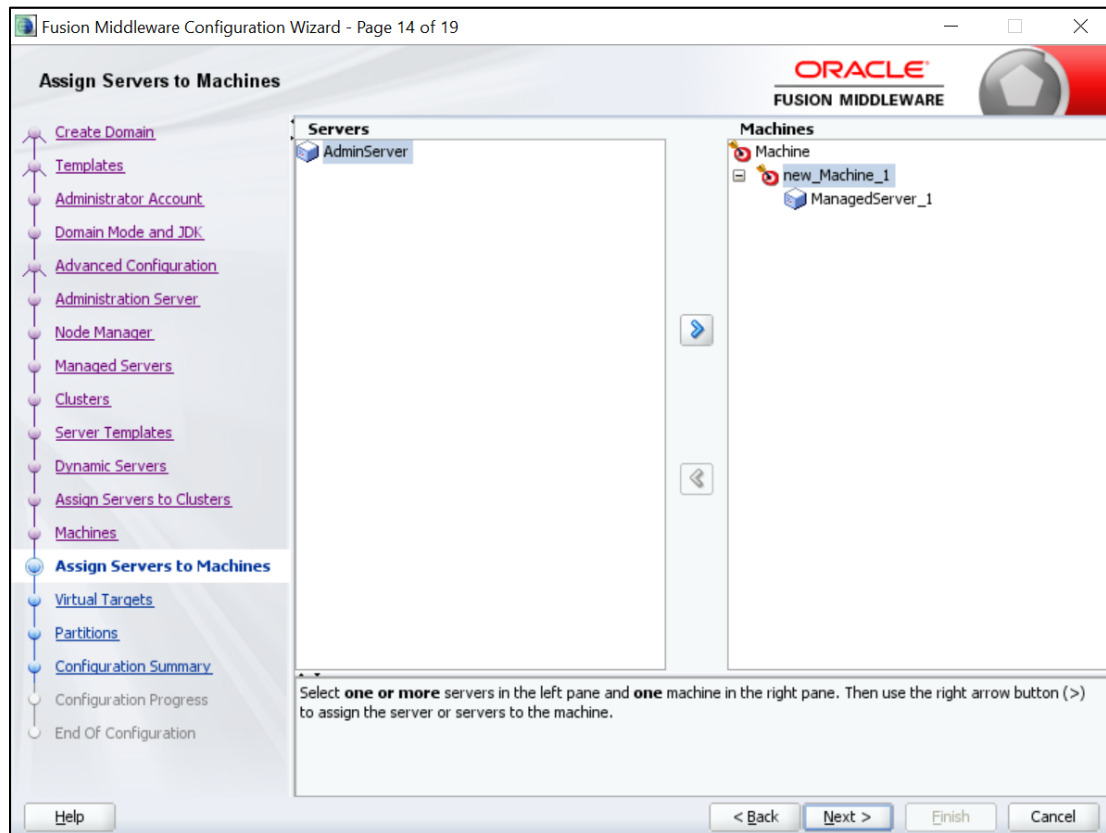
6. On **Machines** screen, add entry for the machine, and click **Next**.

The screenshot shows the 'Machines' screen in the Fusion Middleware Configuration Wizard. The left sidebar contains a navigation tree with the following items: Create Domain, Templates, Administrator Account, Domain Mode and JDK, Advanced Configuration, Administration Server, Node Manager, Managed Servers, Clusters, Server Templates, Dynamic Servers, Assign Servers to Clusters, **Machines** (selected), Assign Servers to Machines, Virtual Targets, Partitions, Configuration Summary, Configuration Progress, and End Of Configuration. The main area shows a 'Machine' tab with 'Unix Machine' selected. There are '+ Add' and 'X Delete' buttons, and a 'Discard Changes' button. A table lists the machine entries:

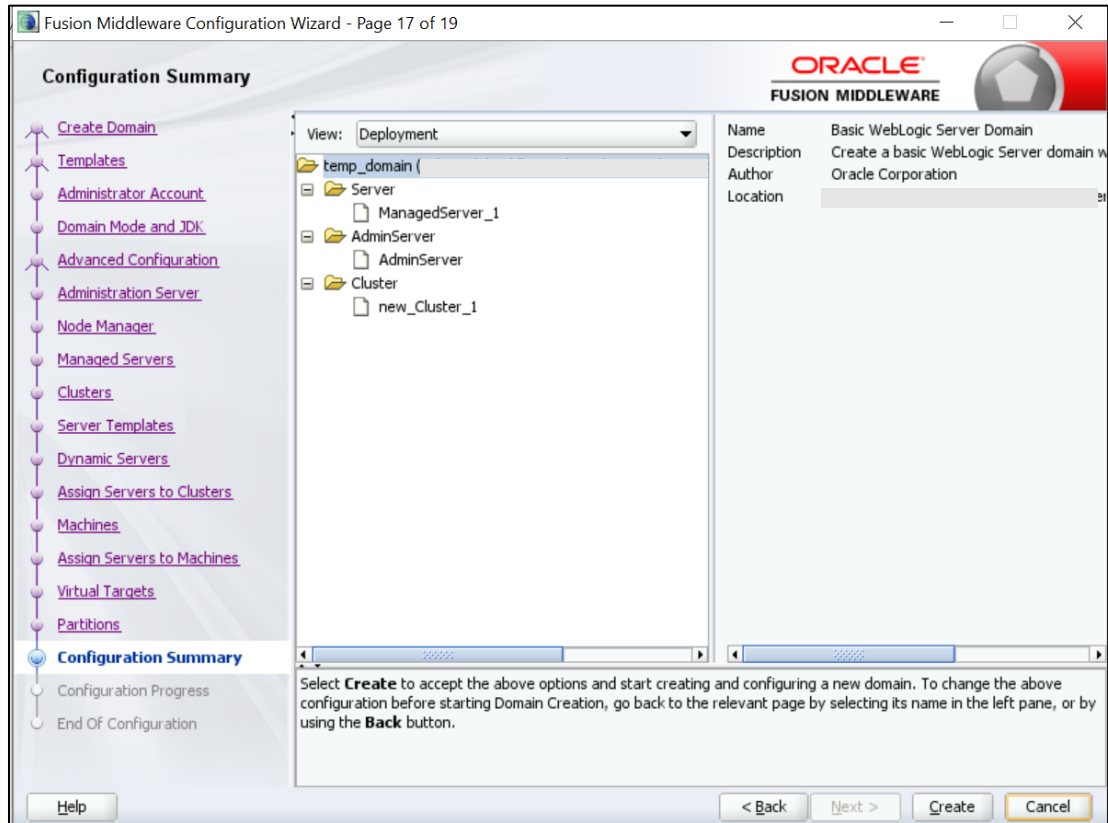
Name	Node Manager Listen Address	Node Manager Listen Port
new_Machine_1	localhost	5556

At the bottom, there are buttons for '< Back', 'Next >', 'Finish', and 'Cancel'. The 'Next >' button is highlighted.

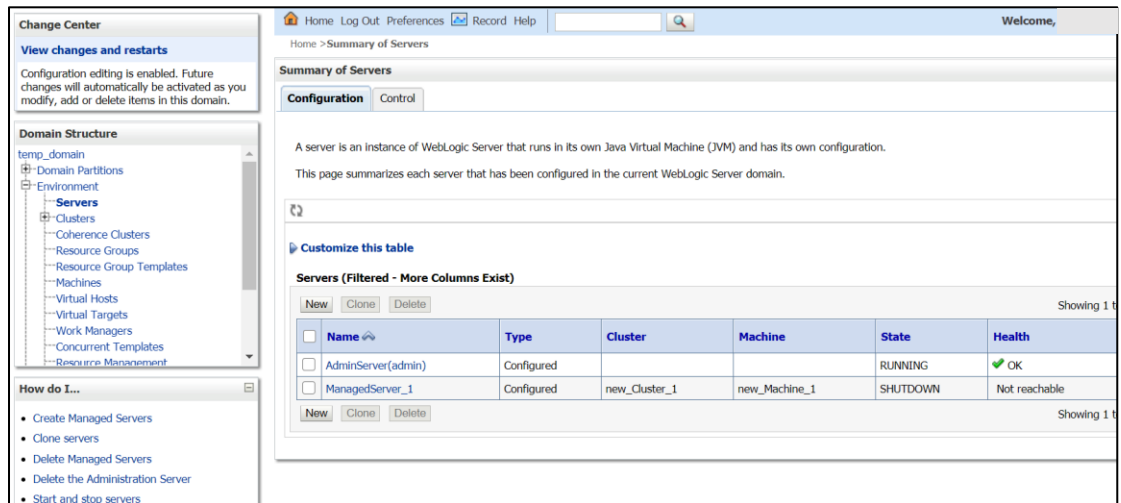
7. On **Assign Server to Machines** screen, assign the required machine, and click **Next**.



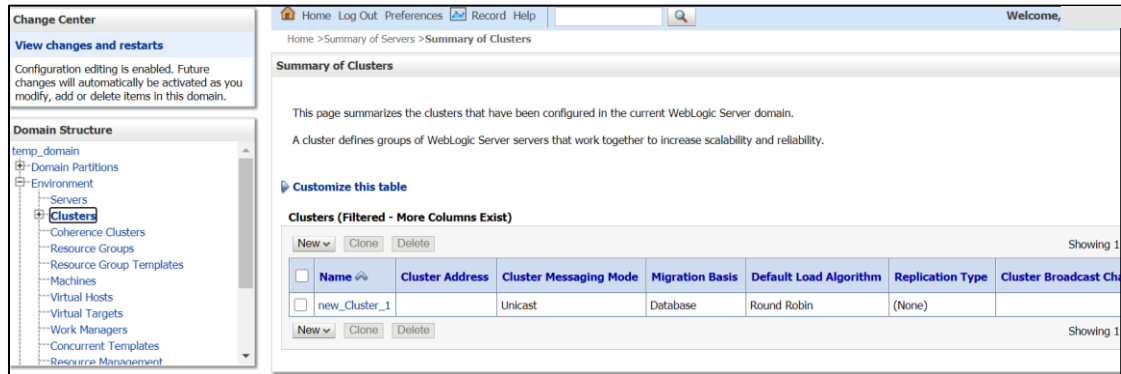
- On **Configuration Summary** screen, and click **Create** to configure a new domain.



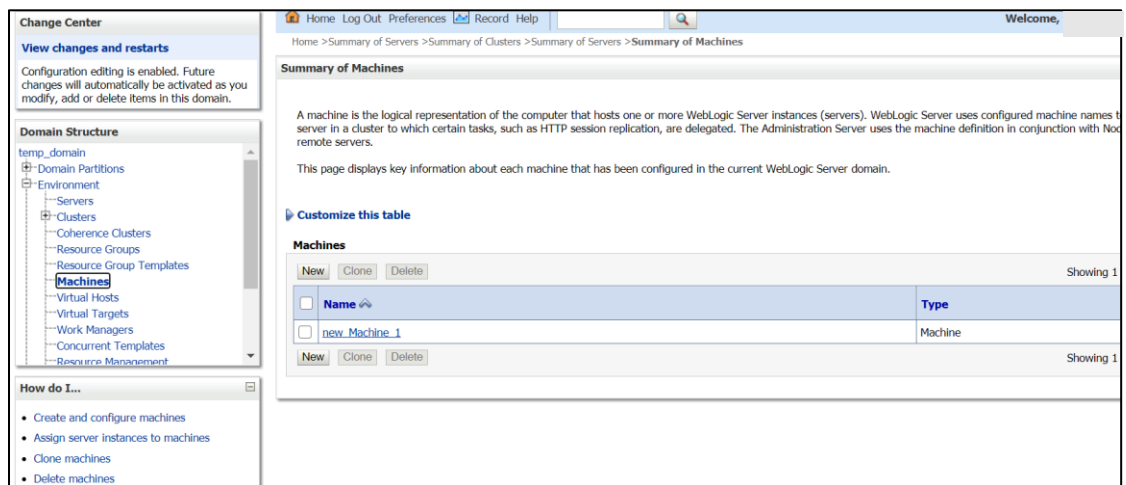
- Click **Servers** tab, select **Configuration**, and verify the configuration details of server.



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



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



9.3 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**.
- Edit **boot.properties** and give username and password details.
- Goto **/user_projects/domain/sms_domain/bin**.
- Run **startWeblogic.cmd** (or **.sh** if operating system is linux).
- Goto **/user_projects/domains/ sms_domain/bin**.
- Run **setNMJavaHome.cmd** (**.sh**).
- 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**.
- Navigate to **/user_projects/domains/ sms_domain/bin**.
- Run **startNodeManager.cmd** (or **.sh** if operating system is linux).
- Start all managed servers.

Login to console and verify servers and clusters.

Home > Summary of Servers > Summary of Clusters > Summary of Servers > Summary of Machines > Summary of Servers

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

How do I...

- Create Managed Servers
- Clone servers
- Delete Managed Servers

Summary of Servers
Configuration Control

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration. This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)

New Clone Delete Showing 1 to 2 of 2 Previous | Next

<input type="checkbox"/>	Name ↕	Type	Cluster	Machine	State	Health	Listen Port
<input type="checkbox"/>	AdminServer(admin)	Configured			RUNNING	OK	9900
<input type="checkbox"/>	ManagedServer_1	Configured	new_Cluster_1	new_Machine_1	SHUTDOWN	Not reachable	9903

New Clone Delete Showing 1 to 2 of 2 Previous | Next

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

Summary of Clusters

This page summarizes the clusters that have been configured in the current WebLogic Server domain. A cluster defines groups of WebLogic Server servers that work together to increase scalability and reliability.

Customize this table

Clusters (Filtered - More Columns Exist)

New Clone Delete Showing 1 to 1 of 1 Previous | Next

<input type="checkbox"/>	Name ↕	Cluster Address	Cluster Messaging Mode	Migration Basis	Default Load Algorithm	Replication Type	Cluster Broadcast Channel	Servers
<input type="checkbox"/>	new_Cluster_1		Unicast	Database	Round Robin	(None)		ManagedServer_1

New Clone Delete Showing 1 to 1 of 1 Previous | Next

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

Summary of Machines

A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). WebLogic Server uses configured machine names to determine the optimum server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers. This page displays key information about each machine that has been configured in the current WebLogic Server domain.

Customize this table

Machines

New Clone Delete Showing 1 to 1 of 1 Previous | Next

<input type="checkbox"/>	Name ↕	Type
<input type="checkbox"/>	new_Machine_1	Machine

New Clone Delete Showing 1 to 1 of 1 Previous | Next

10.Oracle Banking Branch User Interface Deployments

10.1 Steps to deploy as application

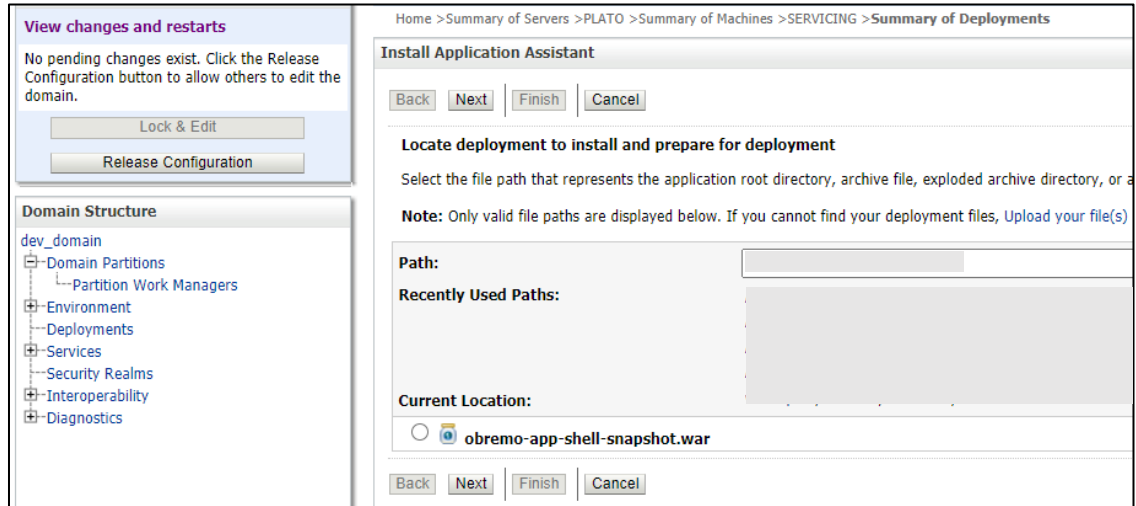
NOTE: Server names, Domain names need not to be same as this doc provides.

Steps to Deploy archives as application on weblogic is same for all the above except for managed server and domain where we deploy will differ. Find the below screenshots to see how deployment of archive as application is done on weblogic:

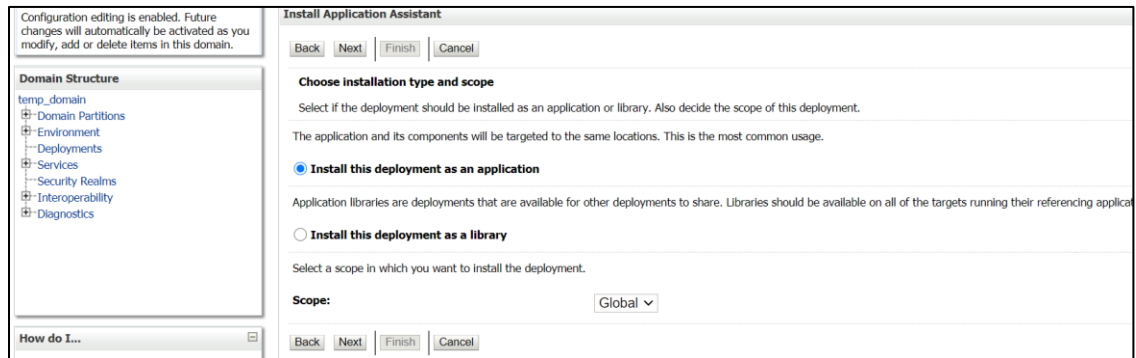
1. Extract the zip file under **UI** folder.
2. Open **app-shell\common\js\util\config\config.json** file change **apiGatewayURL** to point plato-api-gateway URL.
3. Copy app-shell folder and paste it to your server. E.g. scratch/deployment.
4. Open Weblogic console and navigate to the **Deployments**.

The screenshot displays the Oracle WebLogic console interface. On the left, there is a 'Change Center' sidebar with a 'Domain Structure' tree where 'Deployments' is selected. The main content area shows the 'Summary of Deployments' page. At the top, there is a breadcrumb trail: 'Home > Summary of Servers > Summary of Clusters > Summary of Servers > Summary of Machines > Summary of Machines > Summary of...'. Below the breadcrumb, there are tabs for 'Configuration', 'Control', and 'Monitoring'. The main text explains that the page displays a list of Java EE applications and standalone application modules installed to the domain. It provides instructions on how to update, redeploy, or delete applications, and how to install new ones. A 'Customize this table' link is present. Below the text is a table with columns: Name, State, Health, Type, Targets, Scope, Domain Partitions, and Deployment. The table is currently empty, with 'Showing 0' items and the message 'There are no items to display' at the bottom.

5. Click **Install**, paste folder location on path and press **Enter** key, select the app_shell directory.

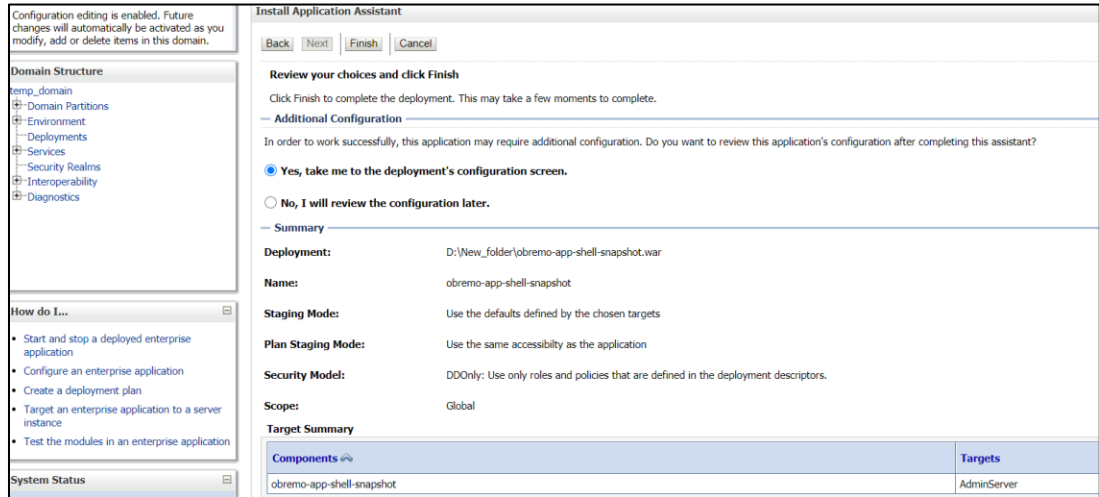


6. Check the option install this deployment as an application option and click **Next**.

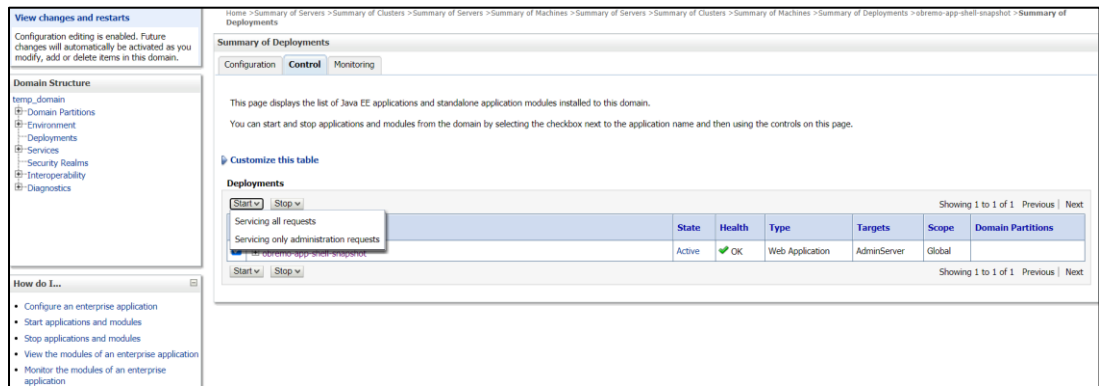


7. Name the deployment as app_shell and click **Next**.

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



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



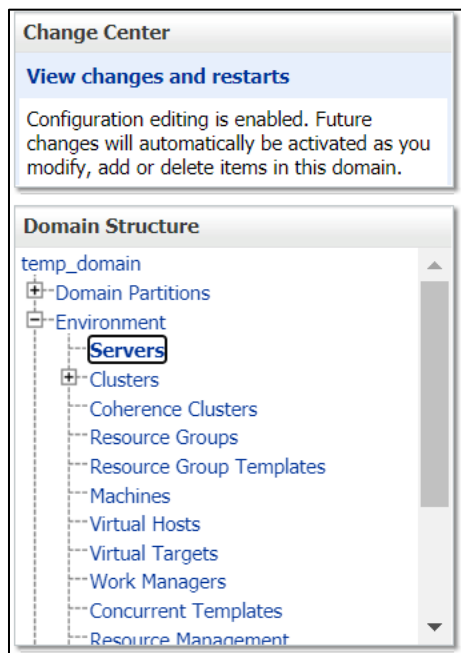
- Verify state is Active. If yes, open the URL in this format:
<http://HostName:PortNo/app-shell/>

11.Restarts and Refresh

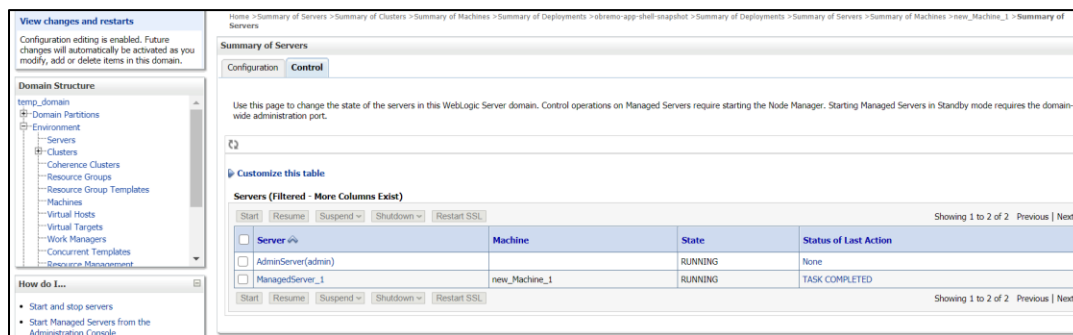
Once everything is deployed, restart all the managed servers. And for each application call path **/refresh** for refreshing the configuration properties.

11.1 Restarting Servers

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



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



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

How do I...
- Start and stop servers
- Start Managed Servers from the Administration Console

Summary of Servers
Configuration Control

Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.

Customize this table
Servers (Filtered - More Columns Exist)
Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
ManagedServer_1	new_Machine_1	RUNNING	TASK COMPLETED

Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

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

How do I...
- Start and stop servers
- Start Managed Servers from the Administration Console

Summary of Servers
Configuration Control

Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.

Customize this table
Servers (Filtered - More Columns Exist)
Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
ManagedServer_1	new_Machine_1	SHUTDOWN	TASK COMPLETED

Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

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

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

How do I...
- Start and stop servers
- Start Managed Servers from the Administration Console

Summary of Servers
Configuration Control

Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.

Customize this table
Servers (Filtered - More Columns Exist)
Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
ManagedServer_1	new_Machine_1	STARTING	TASK IN PROGRESS(7 seconds)

Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

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

How do I...
- Start and stop servers
- Start Managed Servers from the Administration Console

Summary of Servers
Configuration Control

Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.

Customize this table
Servers (Filtered - More Columns Exist)
Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
ManagedServer_1	new_Machine_1	RUNNING	TASK COMPLETED

Start Resume Suspend Shutdown Restart SSL Showing 1 to 2 of 2 Previous Next

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

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
- [-] **Deployments**
- [-] Services
- [-] Security Realms
- [-] Interoperability
- [-] Diagnostics

How do I...

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application

Home > Summary of Deployments > obremo-app-shell-snapshot > Summary of Deployments > Summary of Servers > Summary of Machines > new_Machine_1 > Summary of Servers > Summary of Deployments > obremo-app-shell-snapshot > Summary of Deployments

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

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.

To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Install Update Delete

	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	obremo-app-shell-snapshot	Active	OK	Web Application	ManagedServer_1	Global		100

Showing 1 to 1 of 1 Previous Next

Install Update Delete

Showing 1 to 1 of 1 Previous Next

12. Deployments

12.1 Oracle Banking Branch Processes

Below are the list of Conductor based processes which have to be deployed for the Oracle Banking Branch.

Serial Number	Process Name	Dependent process
1	ACCOUNTADDRESSUPDATE	None
2	CUSTOMERADDRESSUPDATE	None
3	CUSTOMERCONTACTUPDATE	None
4	OBPY-PARTY-ONBOARDING-PROCESSFLOW	None
5	OBPY-PARTY-AMENDMENT-PROCESSFLOW	None
6	OBPY-PARTY-CORP-ONBOARDING-PROCESSFLOW	None
7	CMC_CHARGES_Consumer (OBRH json config for RP integration)	None
8	PLATOCORE_Consumer (OBRH json config for Account Replication)	None

NOTE: The json files for the CMC_CHARGES_Consumer and PLATOCORE_Consumer processes will be available in the folder COMMON_CORE_ROUTING_CONFIGURATION from the Oracle Banking Branch sources.

12.2 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}}/
```

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

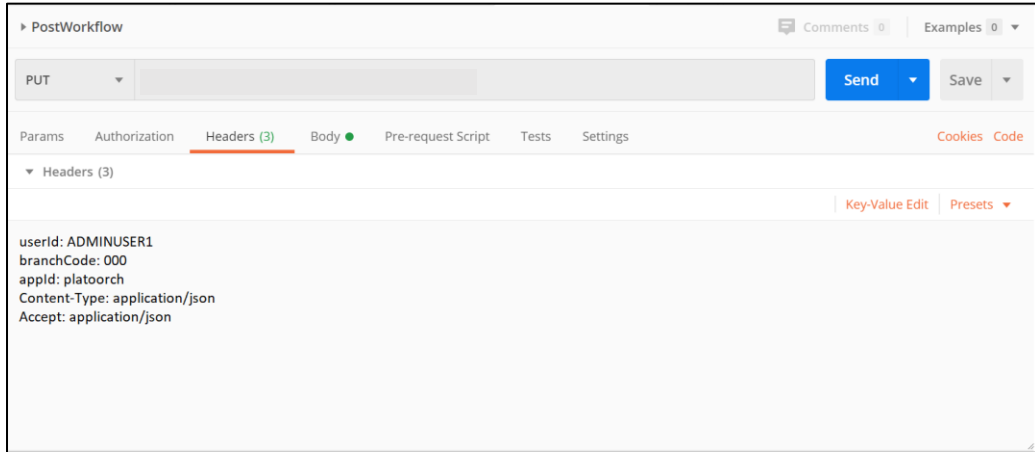
{{PROCESS_SERVER_PORT}} - Port of the Conductor server

12.3 Steps to Deploy Conductor Process

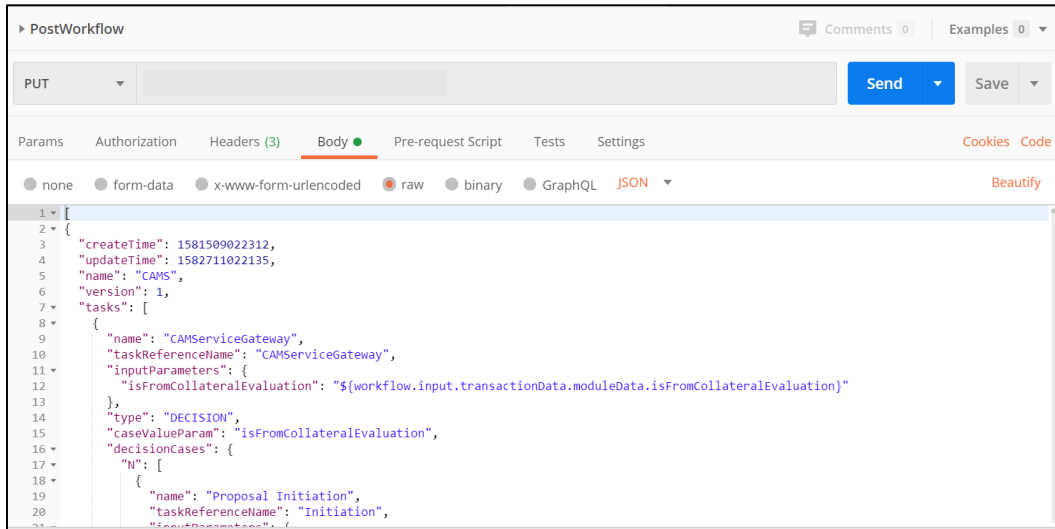
NOTE: Server names, Domain names need not to be same as this document provides. Steps to Deploy a process remains the same for all the workflow files:

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”.

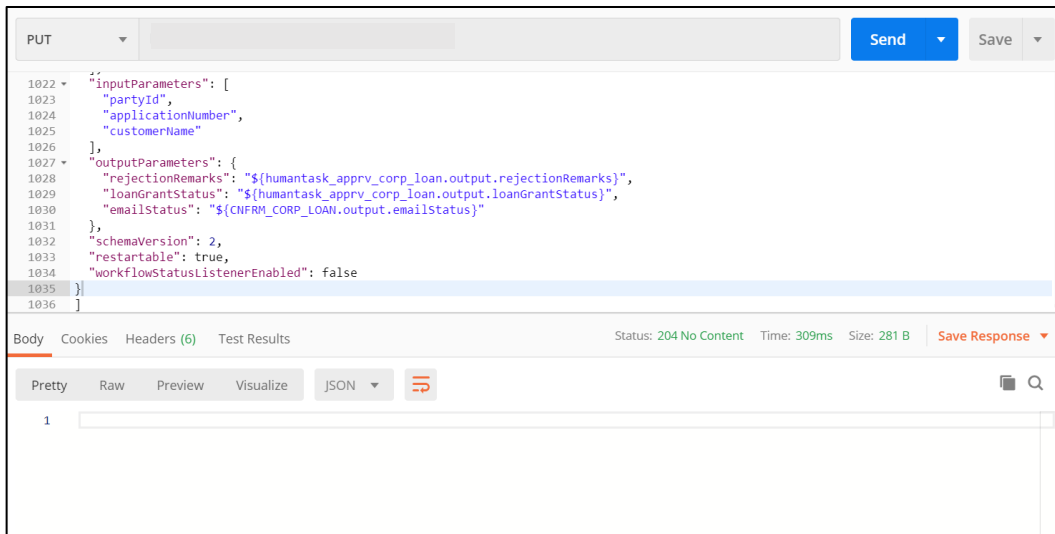
3. Input the header params as shown below:



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



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



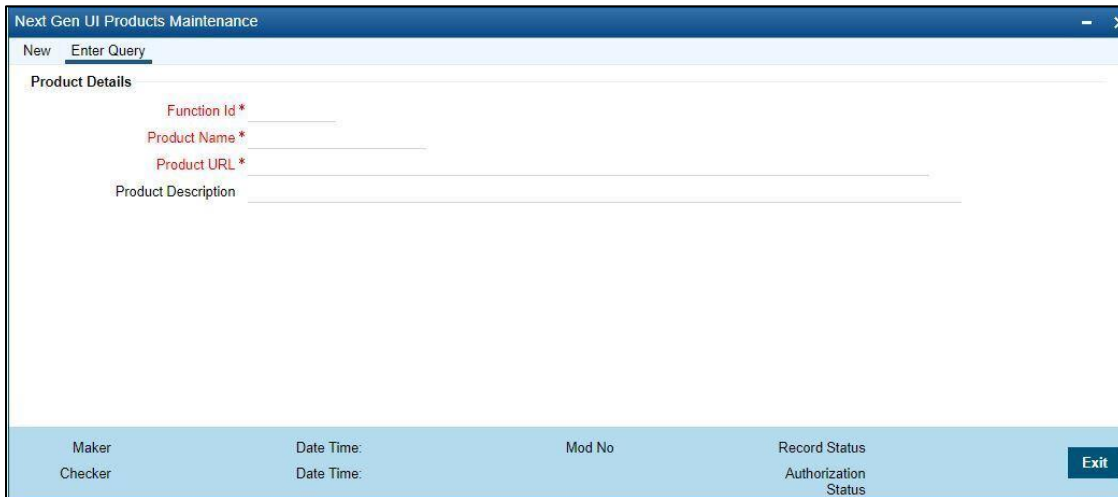
13.Launching Oracle Banking Branch from UBS

13.1 Introduction

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

13.2 FCUBS Configurations

After Login to FCUBS environment click on **Next Generation UI** Menu and launch the maintenance screen **CSDNGUIM**. Ensure that user has roles for the screen. Update the Plato Product URL.



A new Function id **NGTELLER** is released as Static Data and Ensure user roles has been maintained for the same. Once the roles are maintained Click **Next Gen UI** on tool bar. **Next Gen UI Dashboard** will be displayed with the list of products. Click **Retail** product, which will Launch **Plato Teller Dash Board**. Ensure the same user id is maintained in for the retail product and it has necessary roles.

13.3 PLATO Configurations

SECURITY_CONFIG table in PLATO_SECURITY schema should have the following entries.

Key	Value
INTEGRATION_ENABLED	True
INTEGRATION_CALLBACK_URL	https://FCUBShostname:FCUBSport/FCJNeoWeb/ValidationService/FCNonceValidation/validate

Please update the FCUBS hostname and port number in the above URL.

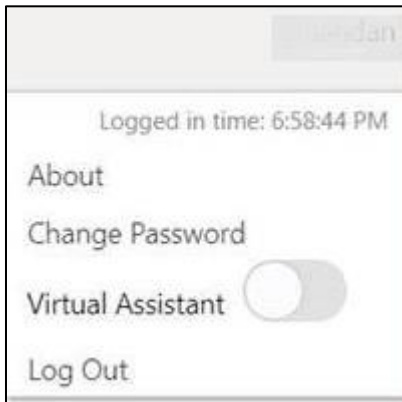
14. Oracle Digital Assistant Configuration

14.1 Introduction

Oracle Banking Branch has to interface with Oracle Digital Assistance (ODA) for Chatbot use cases. To address above requirement, the Plato Digital Assistant wizard CCA is having configuration to connect to ODA. This wizard contain enabling of Oracle Digital Assistant's Client SDK for JavaScript to add live messaging to web application.

14.2 Plato Setup

On User Profile menu, a switch is added in user info panel, to enable/disable Digital Assistance.



The web-sdk will display chat bot icon, which can be used for communication with Oracle Digital Assistant's Server.



14.3 PLATO Configurations

PRODUCT_SERVICES_CTX_LEDGER table in PLATOUI schema should have the following entries.

Key	Value
Product Name	ODA
Service Name	odaservice
Service Context Path	/api-gateway/
Header App Id	URI,ChannelId and SECRET values to be fetched from ODA server configured to communicate with ODA client i.e web-sdk. values to be fetched from ODA server configured to communicate with ODA client i.e web-sdk. isODA flag needs to be set to "Y" in order to enable chatbot wizard.

PRODUCT_SERVICES_ENV_LEDGER table in PLATO schema should have the following entries.

Key	Value
Product Name	ODA
URL	https://hostname:platodiscoveryport/

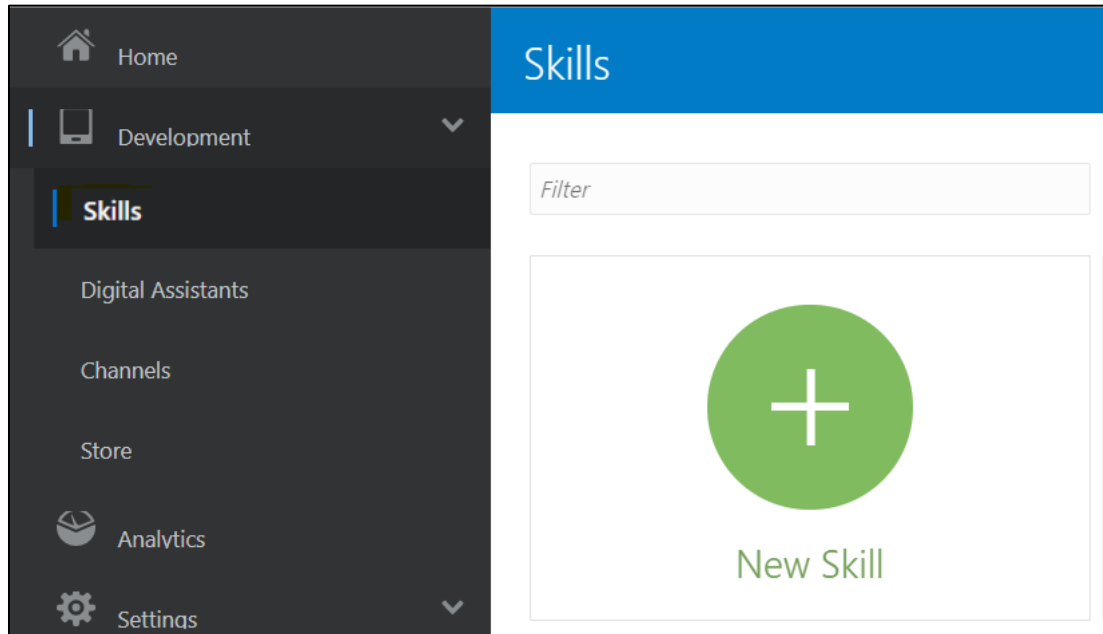
Please update the hostname and port number in the above URL.

14.4 API Gateway Configuration Setup

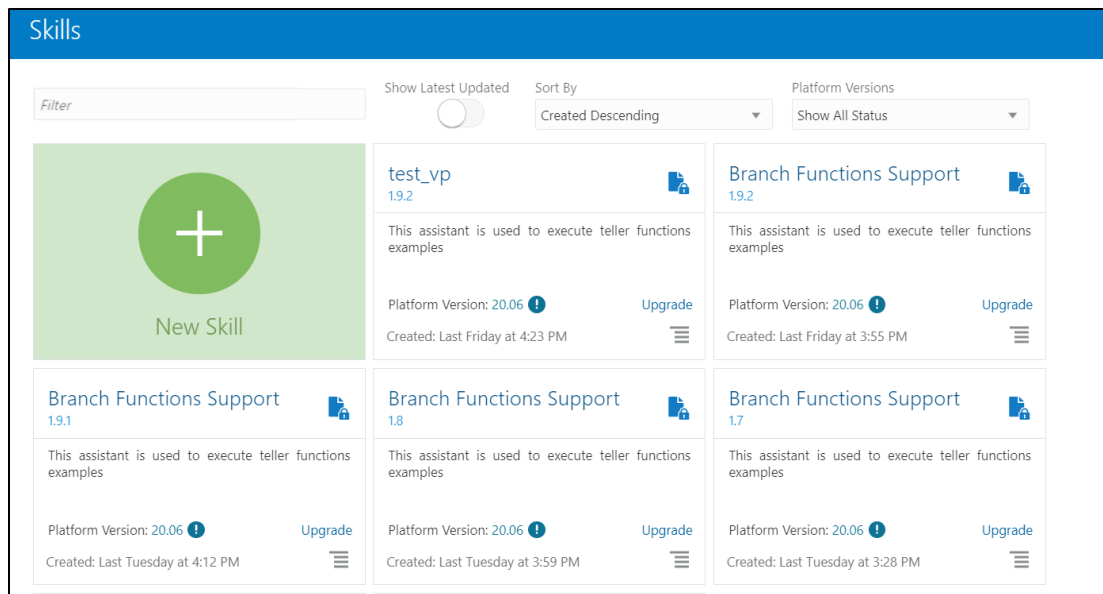
The user need to configure the API Gateway and publish the skills. Perform the following steps to configure API Gateway:

1. Open Oracle ODA Deployment URL.
2. Specify the username and password, and log in to ODA Homepage.

3. Click **Skills** in the menu.



4. Import the skill, which you need to configure from OBBRN_ODA/BranchFunctions(1.8).zip file.



5. Click settings icon.

The screenshot shows the 'Skills • Branch Functions Support' interface. The top navigation bar includes a back arrow, the title 'Skills • Branch Functions Support', and a 'PUBLISHED • 1.9.2 - 20.06' status indicator. On the left, there is a vertical sidebar with various icons, including a settings gear icon at the bottom. The main content area is divided into two columns. The left column, titled 'Intents', contains a 'Filter' input field, a 'Sort By' dropdown set to 'Display Name Ascending', and a list of intents: 'Cheque', 'Deposit', 'Menu', 'OpenTellerBatch', and 'TD Open'. The right column, titled 'Description', shows details for the selected 'Cheque' intent, including 'Conversation Name *', 'Deposit', 'Name', 'Cheque', 'Description', and 'Cheque Withdrawal'. Below this, there is an 'Answer' section with a text description and an 'Enable Intent' toggle set to 'On'. At the bottom, there is an 'Examples' section with a note about 'Utterances in Ascending Order'.

6. Click **Configuration** tab.

The screenshot shows the 'Skills • Branch Functions Support' interface with the 'Configuration' tab selected. The top navigation bar is the same as in the previous screenshot. The left sidebar is also present. The main content area has a horizontal tab bar with 'General', 'Configuration', 'Digital Assistant', 'Events', and 'Q&A Routing Config'. Below the tabs, the 'System Parameters' section is displayed. It contains a list of parameters with their values and descriptions:

Parameter	Value	Description
Confidence Threshold	0.7	The minimum confidence score required to match a skill's intent with user input. If there is no match, the system returns an 'unresolvedIntent'. (Minimum value 0, maximum value 1)
Confidence Win Margin	0.1	Only the top intent that exceeds the confidence threshold is picked if it is the highest ranking intent. If other intents that exceed the confidence threshold have scores that are within that confidence win margin, these intents are also presented to the user. (Minimum value 0, maximum value 1)
Unexpected Error Prompt	Oops I'm encountering a spot of trouble. Please try again later...	The message when there is an unexpected error
Max States Exceeded Error Prompt	Your session appears to be in an infinite loop.	The message when the Bot appears to be in an infinite loop
Expired Session Error Prompt	Your session has expired. Please start again.	The message when the session has expired
OAuth Cancel Prompt	Authentication canceled.	The message when OAuth authorization is canceled

7. Add the Api-Gateway configuration parameters as shown below:

The screenshot shows a configuration page with three OAuth prompts and a table of custom parameters.

- Expired Session Error Prompt:** Your session has expired. Please start again. (The message when the session has expired)
- OAuth Cancel Prompt:** Authentication canceled. (The message when OAuth authorization is canceled)
- OAuth Success Prompt:** Authentication successful! You can return to the conversation. (The message when OAuth authorization succeeds)

Custom Parameters

Name	Display Name	Type	Value	Description
apiGatewayHostName	apiGatewayHostName	String	www.oracle.com	API-Gateway host name.
apiGatewayPort	apiGatewayPort	String	8080	API-Gateway port number.
oAuthClientId	oAuthClientId	String	oAuthClientId	OAuth clientId for generating to...
oAuthClientPassword	oAuthClientPassword	String	oAuthClientPassword	OAuth clientPassword for gener...

Page 1 of 1 (1-4 of 4 items)

14.5 Map the Skill to Digital Assistant

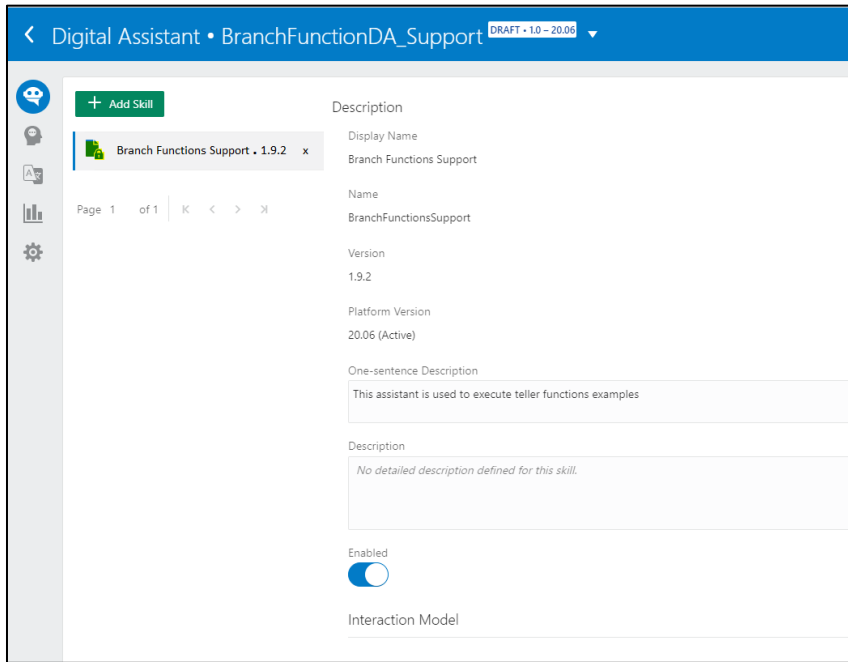
Perform the following steps to map the skill to Digital Assistant:

1. Click **Digital Assistants** in the menu.

The screenshot shows the Digital Assistant management interface. The left sidebar contains a menu with options: Home, Development, Skills, Digital Assistants (selected), Channels, Store, Analytics, Settings, Downloads..., and Documentation... The main area displays a grid of digital assistants:

- New Digital Assistant:** A large green button with a plus sign.
- BranchFunctionDA_Support 1.0:** It is used for branch related functionalities. Platform Version: 20.06. Updated: Last Friday at 3:58 PM.
- BranchFunctionsDA 1.0:** It is used for branch related functionalities. Platform Version: 20.06. Updated: Wed, 12/9/2020 10:47.
- OP_API_BOT 1.0:** Bot to test API. Platform Version: 20.06. Updated: Thu, 12/3/2020 10:25.
- OpenTellerBatchDA 1.0:** OpenTellerBatchDA for opening batch. Platform Version: 20.06. Updated: Thu, 11/26/2020 01:26.
- OpenTellerBatchDA_Support 1.0:** OpenTellerBatchDA_Support. Platform Version: 20.06. Updated: Tue, 11/24/2020 15:14.

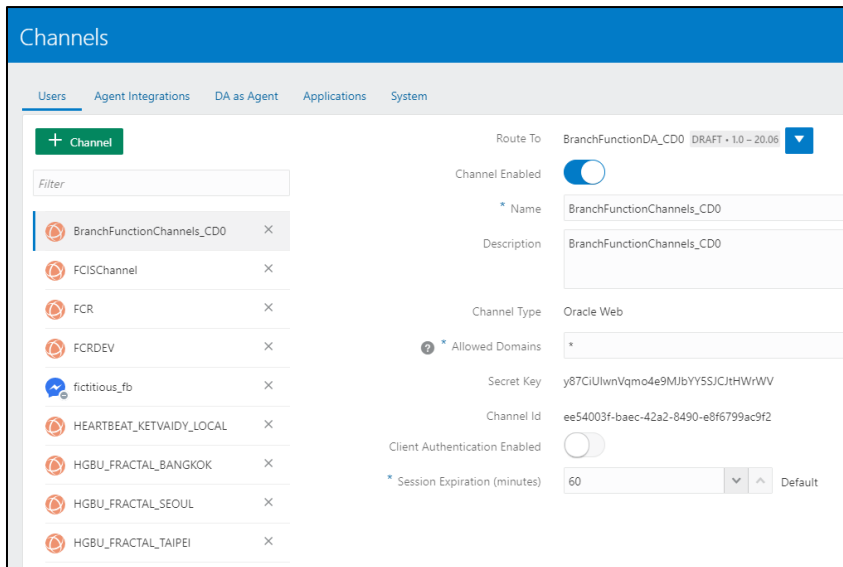
2. Map the skill, which you have created earlier with your Digital-Assistants.



14.6 Map Digital Assistant to Channel

Perform the following steps to map the Digital Assistant to Channel:

1. Click **Channels** in the menu.



2. Map the Digital Assistant with the necessary channels. Specify the **Channel Type** as **Oracle Web** and the **Allowed Domains** as *****.

The screenshot shows the Oracle Channels configuration interface. The page title is "Channels" and the navigation menu includes "Users", "Agent Integrations", "DA as Agent", "Applications", and "System". A search bar at the top left shows "OpenTellerBatchChannels_Support" with a dropdown menu below it containing the same text. The main configuration area is for the channel "OpenTellerBatchChannels_Support".

Route To	BranchFunctionDA_Support DRAFT - 1.0 - 20.06
Channel Enabled	<input checked="" type="checkbox"/>
* Name	OpenTellerBatchChannels_Support
Description	OpenTellerBatchChannels_Support
Channel Type	Oracle Web
* Allowed Domains	*
Secret Key	8Kq9fKrmiadDDmuHY9S1eFtMx184vHOR
Channel Id	b6daf995-4861-4f3e-83c0-aab4062ce647
Client Authentication Enabled	<input type="checkbox"/>
* Session Expiration (minutes)	60 Default



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