

Oracle FLEXCUBE Onboarding Installation Guide
Oracle FLEXCUBE Onboarding
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1.1 Introduction

This guide helps you to install the Oracle FLEXCUBE Onboarding services, Party 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 FLEXCUBE Onboarding Services, Party services and Oracle Onboarding FLEXCUBE 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 FLEXCUBE Onboarding services, Party services, UI, process flow in same order:

Oracle FLEXCUBE Onboarding 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

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

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
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. obpy-component-server
2. oboflo-component-server

Oracle FLEXCUBE Onboarding Process Workflow

1. CURRENTACCOUNT
2. EDUCATIONLOAN
3. HOMELOAN
4. INITIATION
5. PERSONALLOAN
6. SAVINGSACCOUNT
7. CASAHOSTORCH
8. VEHICLELOAN
9. HOSTORCHESTRATOR
10. TDACCOUNT
11. TDHOSTORCH

Party Process Workflow

1. CPOB
2. FPAM
3. FPOB
4. OBPY-PARTY-ONBOARDING-PROCESSFLOW
5. PAMD

1.5 Related documents

For more information, refer to the following documents:

- Getting Started
- Oracle FLEXCUBE Onboarding Pre installation Guide
- ANNEXURE-1

2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for Oracle FLEXCUBE Onboarding 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 FLEXCUBE Onboarding 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.

2.3 Database Setup

To setup DB for Oracle FLEXCUBE Onboarding 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 Yes (obremo-rpm-term-deposit-service schema)
obremo-rpm-projection-services	Yes (obremo-rpm-projection-services schema)
obremo-rpm-batch-services	No (uses the plato batch server schema)

To setup DB for Party 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 (obpy-businessprocess-services schema)
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)

3. Oracle FLEXCUBE Onboarding Services Domains Configuration

3.1 Prerequisites

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

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

3. Steps for creating all OFLO 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 Prerequisites** section in **License Guide**.

3.2 Oracle FLEXCUBE Onboarding Service Domain Creation

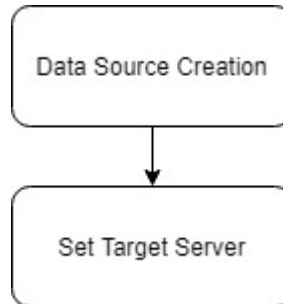
It is recommended to have separate domain for Oracle FLEXCUBE Onboarding application. For Creating Domain and Configuration, refer to **How to create and Cluster Configuration** section in ANNEXURE-1.

Service Name	Domain Name
obpy-stage-services	Oracle FLEXCUBE Onboarding Domain
obpy-party-services	Oracle FLEXCUBE Onboarding Domain
obpy-party-kyc-services	Oracle FLEXCUBE Onboarding Domain
obpy-businessprocess-services	Oracle FLEXCUBE Onboarding Domain
obpy-party-handoff-services	Oracle FLEXCUBE Onboarding Domain
obpy-party-publisher-services	Oracle FLEXCUBE Onboarding Domain
obpy-party-maintenance-service	Oracle FLEXCUBE Onboarding Domain
obpy-party-adapter-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-maintenance-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-process-driver-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-businessprocess-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-businessproductdetails-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-cmn-applicantservices	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-cmn-hostservices	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-cmn-scorecardservices	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-lo-loanapplications	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-term-deposit-service	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-batch-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-projection-services	Oracle FLEXCUBE Onboarding Domain
obremo-rpm-sav-account-service	Oracle FLEXCUBE Onboarding Domain

4. Data Sources Creation

4.1 Pre-requisite

Database setup for Oracle FLEXCUBE Onboarding 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 FLEXCUBE Onboarding 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	OBPY_TCM	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-rpm-maintenance-services	RPMMMAINTENANCE	jdbc/OBREMOMAIN TCE	OFLO Manage Server
obremo-rpm-process-driver-services	RPMProcessDriver	jdbc/RMPROCE SSDRIVER	OFLO Manage Server
obremo-rpm-businessprocess-services	RPMBusinessProcess	jdbc/OBREMOBU SSPRC	OFLO Manage Server

Service Name	Data source Name	Data source JNDI	Targets
obremo-rpm-businessproductdetails-services	RPMBusinessProduct	jdbc/OBREMOBPDETAILS	OFLO Manage Server
obremo-rpm-cmn-applicantservices	RPMCmnApplicant	jdbc/CMNAPPLICANT	OFLO Manage Server
obremo-rpm-cmn-hostservices	RPMHostService	jdbc/RPMHOST	OFLO Manage Server
obremo-rpm-cmn-scorecardservices	RPMScorecard	jdbc/CMNSCORECARD	OFLO Manage Server
obremo-rpm-lo-loanapplications	RPMLoan	jdbc/LOANAPP	OFLO Manage Server
obremo-rpm-term-deposit-service	RPMTD	Jdbc/TDACC	OFLO Manage Server
obremo-rpm-projection-services	RPMPROJECTION	jdbc/RPMPROJECTION	OFLO Manage Server
obremo-rpm-sav-account-service	RPMSaving	jdbc/SAVACC	OFLO Manage 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

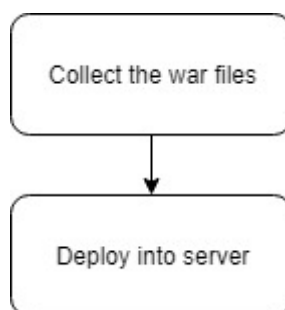
As part of Oracle FLEXCUBE Onboarding, flyway jndi changes are incorporated. In order to deploy the services successfully, map the following data source to all the newly created managed servers for Oracle FLEXCUBE Onboarding.

Data source Name	Data Source JNDI	Targets
PLATO	jdbc/PLATO	Oracle FLEXCUBE Onboarding Managed Server, Party Managed Server
PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG	Oracle FLEXCUBE Onboarding Managed Server, Party Managed Server
SMS	jdbc/sms	Oracle FLEXCUBE Onboarding Managed Server, Party Managed Server
PLATOBATCH	jdbc/PLATOBATCH	Oracle FLEXCUBE Onboarding Managed Server
COMMON CORE	jdbc/CMNCORE	Oracle FLEXCUBE Onboarding Managed Server, 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 FLEXCUBE Onboarding 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 FLEXCUBE Onboarding 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-5.8.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-maintenance-service	Party Managed Server
OBPY Stage Services	obpy-stage-services-5.8.0.war	{ unzip the file } PARTY\SERVICES\stage-services	Party Managed Server
OBPY Party Services	obpy-party-services-5.8.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-services	Party Managed Server
Party KYC Services	obpy-party-kyc-services-5.7.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-kyc-services	Party Managed Server
OBPY Businessprocess Services	obpy-businessprocess-services-5.8.0.war	{ unzip the file } PARTY\SERVICES\obpy-businessprocess-services	Party Managed Server
OBPY Party Handoff Services	obpy-party-handoff-services-5.7.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-handoff-services	Party Managed Server
OBPY Party Publisher Services	obpy-party-publisher-services-5.7.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-publisher-services	Party Managed Server
OBPY Party Adapter Services	obpy-party-adapter-services-5.7.0.war	{ unzip the file } PARTY\SERVICES\obpy-party-adapter-services	Party Managed Server

Application	Archive name	OSDC path	Targets
Maintenance Services	obremo-rpm-maintenance-services-5.5.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-maintenance-services	Oracle FLEXCUBE Managed Server
Process Driver	obremo-rpm-process-driver-services-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-process-driver-services	Oracle FLEXCUBE Managed Server
Business Process	obremo-rpm-businessprocess-services-5.7.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-businessprocess-services	Oracle FLEXCUBE Managed Server
Business Product details	obremo-rpm-businessproductdetails-services-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-businessproductdetails-services	Oracle FLEXCUBE Managed Server
Common Applicant	obremo-rpm-cmn-applicantservices-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-cmn-applicantservices	Oracle FLEXCUBE Managed Server
Host Services	obremo-rpm-cmn-hostservices-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-cmn-hostservices	Oracle FLEXCUBE Managed Server
ScoreCard	obremo-rpm-cmn-scorecardservices-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-cmn-scorecardservices	Oracle FLEXCUBE Managed Server
Loan Applicant Services	obremo-rpm-lo-loanapplications-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-lo-loanapplications	Oracle FLEXCUBE Managed Server
Savings (CASA) Services	obremo-rpm-sav-account-service-5.6.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-sav-account-service	Oracle FLEXCUBE Managed Server
TD Services	obremo-rpm-term-deposit-service-5.3.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-term-deposit-service	Oracle FLEXCUBE Managed Server
Batch Service	obremo-rpm-batch-services-5.1.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-batch-services	Oracle FLEXCUBE Managed Server
PROJECTION Service	obremo-rpm-projection-services-5.1.0.war	{ unzip the file } OFLO_SERVICES\obremo-rpm-projection-services	Oracle FLEXCUBE Managed Server

5.3 Steps to Deploy as Application

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

6. Restarts and Refresh

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

6.1 Restarting Servers

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

7. Logging Area

7.1 Introduction

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

7.1.1 Logging Area

Oracle FLEXCUBE Onboarding 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 FLEXCUBE Onboarding applications would be

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

8. Oracle FLEXCUBE Onboarding UI Domain and Cluster Configuration

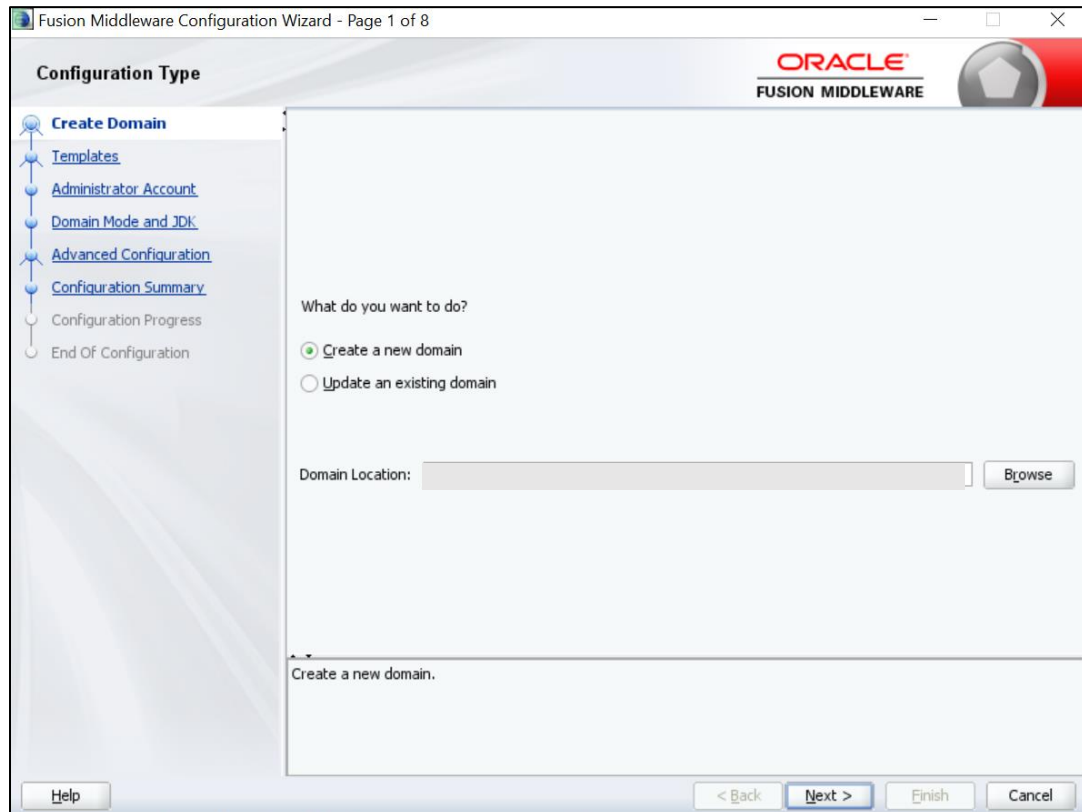
8.1 Prerequisites

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

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

8.2 Oracle FLEXCUBE Onboarding UI Domain (OFLOUI)

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 'Administration Server' configuration screen in the Oracle Fusion Middleware Configuration Wizard. The window title is 'Fusion Middleware Configuration Wizard - Page 6 of 16'. The Oracle logo and 'FUSION MIDDLEWARE' text are in the top right corner. A navigation pane on the left lists 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 area contains the following fields:

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

A note at the bottom states: 'Port number must be between 1 and 65535, and different from SSL listen port and coherence port.' At the bottom of the window are buttons for Help, < Back, Next >, Finish, and Cancel.

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

Fusion Middleware Configuration Wizard - Page 8 of 16

Managed Servers

ORACLE
FUSION MIDDLEWARE

+ Add Clone X Delete Discard Changes

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

Help < Back Next > Finish Cancel

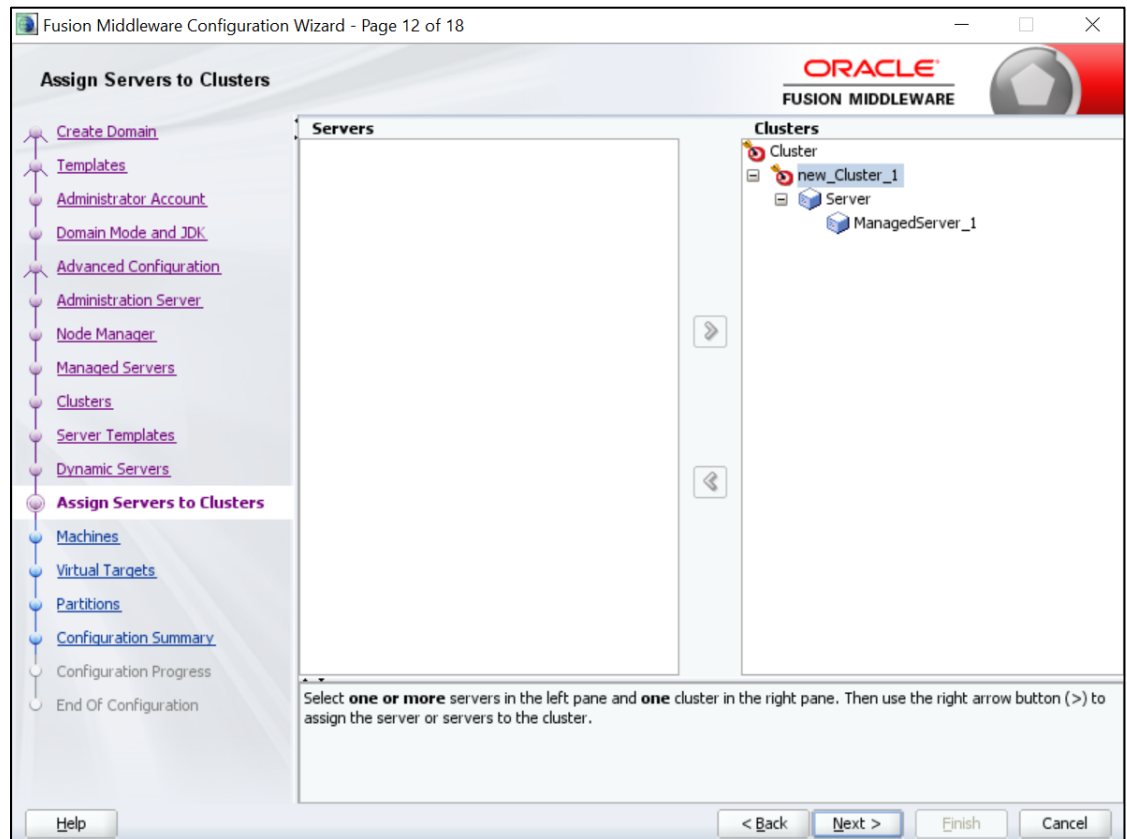
4. On **Clusters** screen, add entry for cluster, and click **Next**.

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 include '+ Add', 'X Delete', and 'Discard Changes'. At the bottom, there are '< Back', 'Next >', 'Finish', and 'Cancel' buttons.

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



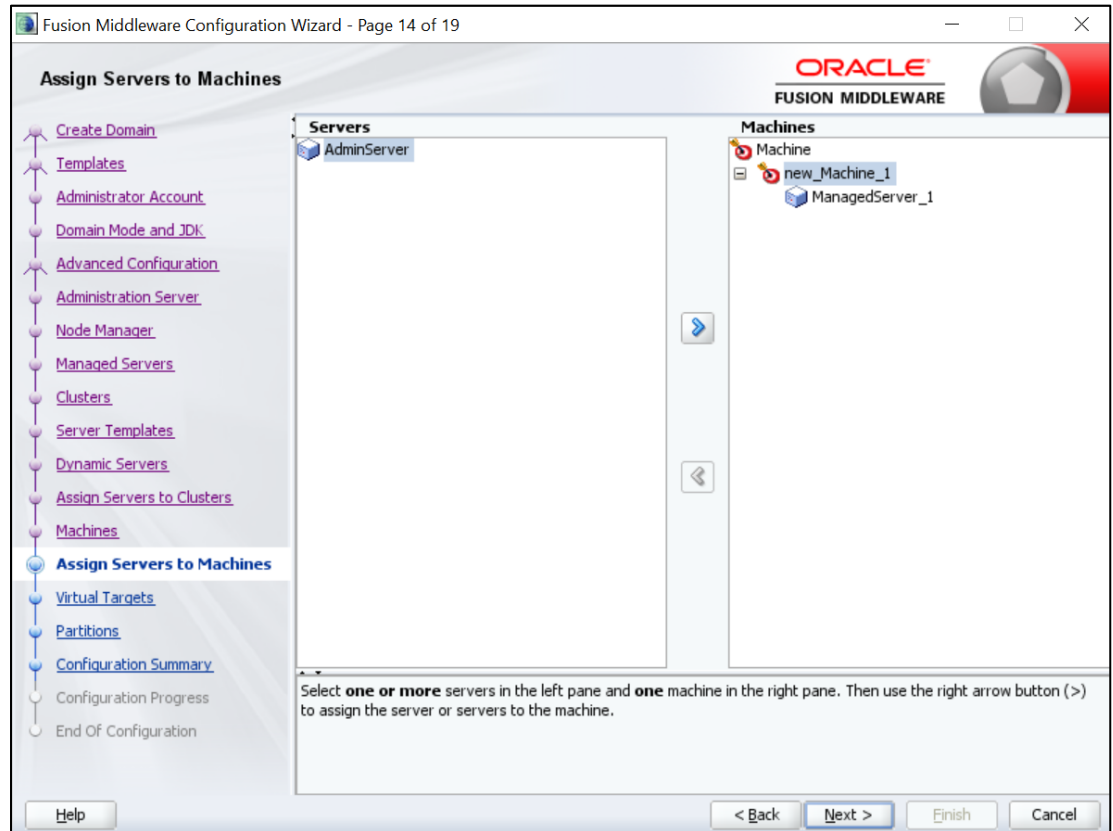
6. On **Machines** screen, add entry for the machine, and click **Next**.

The screenshot shows the 'Machines' 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, 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 is titled 'Machines' and features the Oracle Fusion Middleware logo. Below the title, there are tabs for 'Machine' and 'Unix Machine', along with '+ Add' and 'X Delete' buttons, and a 'Discard Changes' button. A table with the following data is displayed:

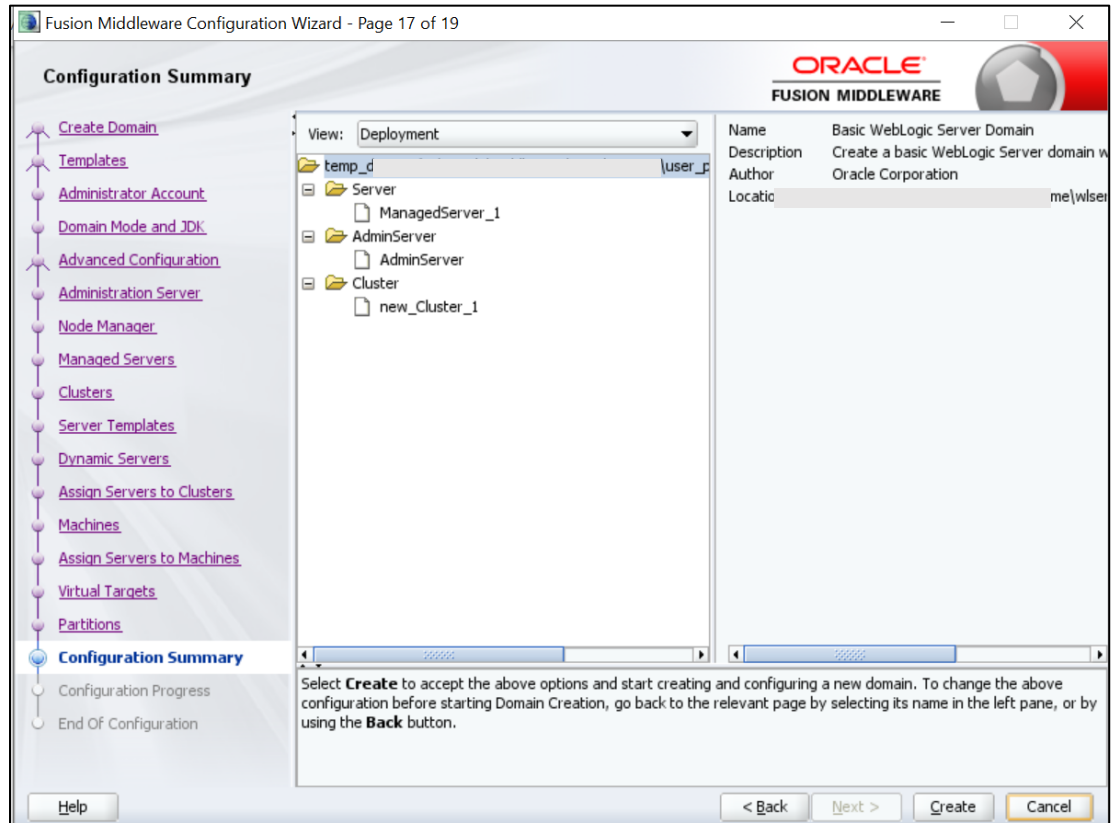
Name	Node Manager Listen Address	Node Manager Listen Port
new_Machine_1	localhost	5556

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

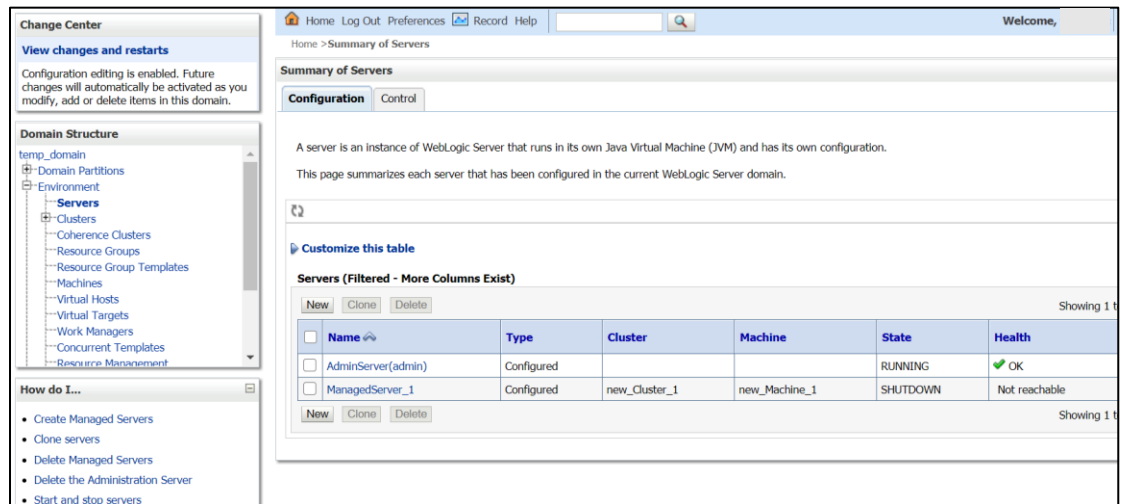
7. On **Assign Server to Machines** screen, assign the required machine, and click **Next**.



- 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.

The screenshot shows the Oracle Change Center interface. On the left, the 'Domain Structure' tree is expanded to 'Clusters'. The main window displays the 'Summary of Clusters' page. Below the introductory text, there is a table titled 'Clusters (Filtered - More Columns Exist)'. The table has the following columns: Name, Cluster Address, Cluster Messaging Mode, Migration Basis, Default Load Algorithm, Replication Type, and Cluster Broadcast Channel. A single row is visible for 'new_Cluster_1' with 'Unicast' for messaging mode and 'Database' for migration basis.

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

The screenshot shows the Oracle Change Center interface. On the left, the 'Domain Structure' tree is expanded to 'Machines'. The main window displays the 'Summary of Machines' page. Below the introductory text, there is a table titled 'Machines'. The table has the following columns: Name and Type. A single row is visible for 'new_Machine_1' with 'Machine' as the type.

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.

1. **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`.
8. 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.

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

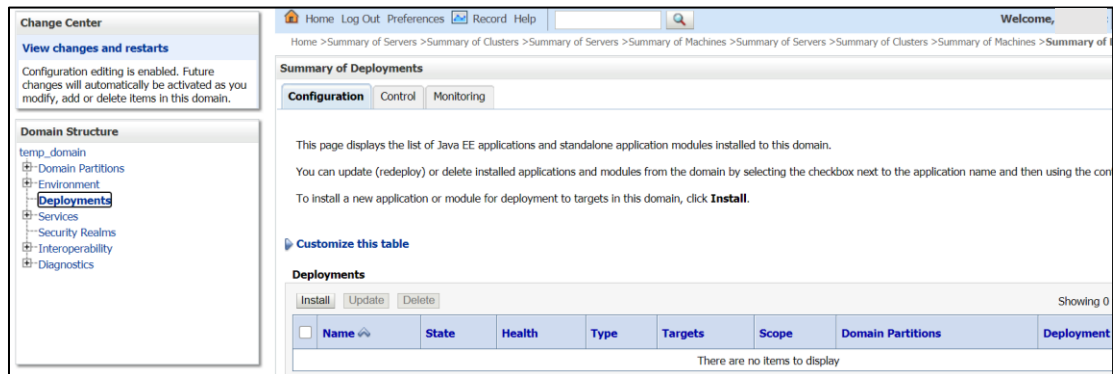
9. Oracle FLEXCUBE Onboarding User Interface Deployments

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 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. For example: scratch/deployment.
4. Open Weblogic console and navigate to the **Deployments**.



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

Install Application Assistant

Back Next Finish Cancel

Locate deployment to install and prepare for deployment

Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field.

Note: Only valid file paths are displayed below. If you cannot find your deployment files, Upload your file(s) and/or confirm that your application contains the required deployment descriptors.

Path: _____

Recently Used Paths: _____

Current Location:

app-shell-5.8.0.war

Back Next Finish Cancel

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

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Install Application Assistant

Back Next Finish Cancel

Choose installation type and scope

Select if the deployment should be installed as an application or library. Also decide the scope of this deployment.

The application and its components will be targeted to the same locations. This is the most common usage.

Install this deployment as an application

Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applica

Install this deployment as a library

Select a scope in which you want to install the deployment.

Scope: Global ▾

Back Next Finish Cancel

Domain Structure

- temp_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

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**.

Back Next Finish Cancel

Review your choices and click Finish

Click Finish to complete the deployment. This may take a few moments to complete.

Additional Configuration

In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

Yes, take me to the deployment's configuration screen.

No, I will review the configuration later.

Summary

Deployment: [Redacted]

Name: app-shell-5.8.0-1

Staging Mode: Use the defaults defined by the chosen targets

Plan Staging Mode: Use the same accessibility as the application

Security Model: DDOnly: Use only roles and policies that are defined in the deployment descriptors.

Scope: Global

Target Summary

Components	Targets
app-shell-5.8.0	appshell

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

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...

- Configure an enterprise application
- Start applications and modules
- Stop applications and modules
- View the modules of an enterprise application
- Monitor the modules of an enterprise application

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 start and stop applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

Customize this table

Deployments

Start	Stop	State	Health	Type	Targets	Scope	Domain Partitions
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Active	OK	Web Application	AdminServer	Global	

Showing 1 to 1 of 1 Previous Next

NOTE: All UI war files should be deployed. Refer to [User Interface](#) in section 1.4.

- Verify state is Active. If yes, open the URL in this format:

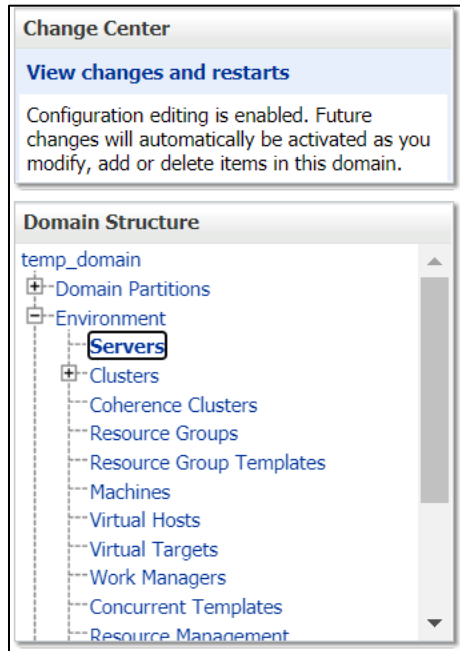
<http://HostName:PortNo/app-shell/>

10.Restarts and Refresh

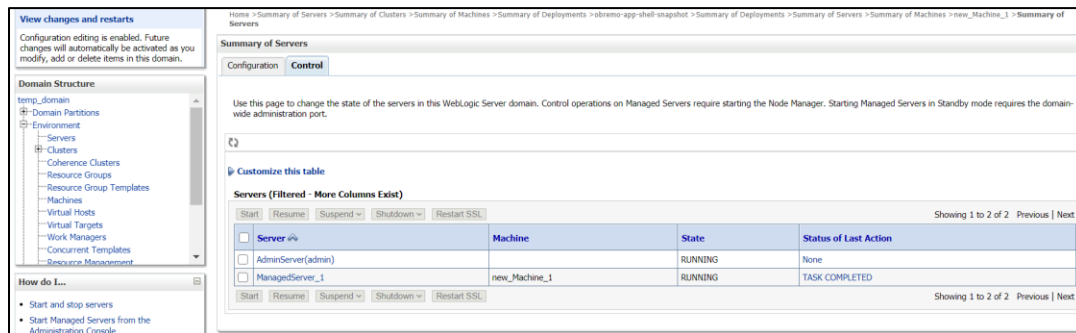
Once everything is deployed, restart all the managed servers. And for each application call path **/refresh** for refreshing the configuration properties.

10.1 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

- 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.

Summary of Deployments

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

Install Update Delete

Showing 1 to 1 of 1 Previous Next

How do I...
 • Install an enterprise application
 • Configure an enterprise application
 • Update (redeploy) an enterprise application

11. Deployments

11.1 Oracle FLEXCUBE Onboarding Processes

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

Serial Number	Process Name	Dependent Process
1	CURRENTACCOUNT	None
2	EDUCATIONLOAN	None
3	HOMELOAN	None
4	INITIATION	None
5	PERSONALLOAN	None
6	SAVINGSACCOUNT	None
7	VEHICLELOAN	None
8	HOSTORCHESTRATOR	None
9	CASAHOSTORCH	None
10	TDACCOUNT	None
11	TDHOSTORCH	None
12	CPOB	None
13	FPAM	None
14	FPOB	None
15	OBPY-PARTY-ONBOARDING-PROCESSFLOW	None
16	PAMD	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}}/
```

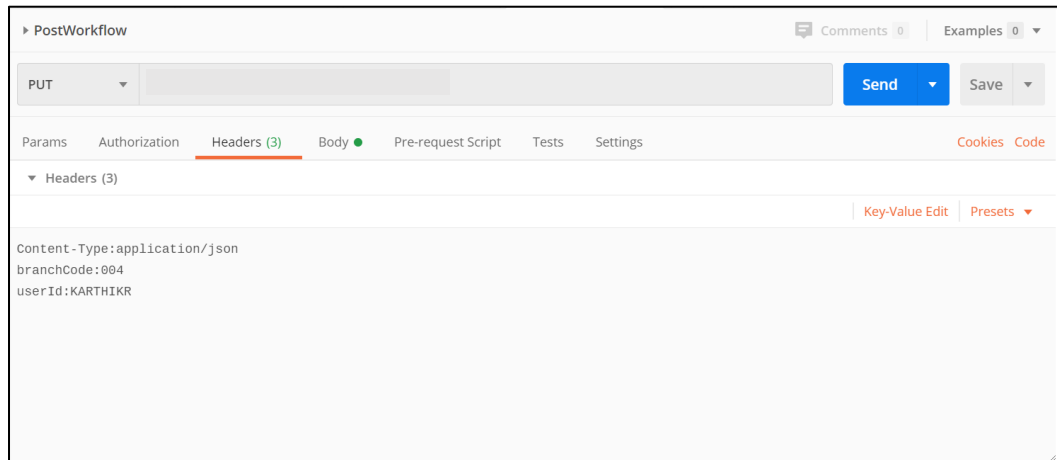
{{PROCESS_SERVER_HOST}} - IP of the Conductor server.

{{PROCESS_SERVER_PORT}} - Port of the Conductor server

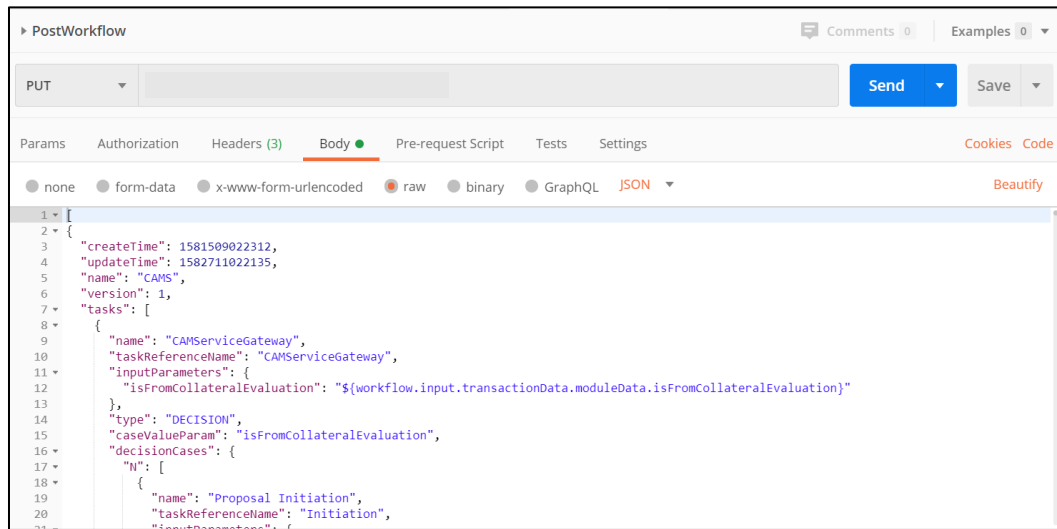
11.3 Steps to Deploy Conductor Process

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:

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.

The screenshot displays an API client interface. At the top, a dropdown menu is set to 'PUT'. To the right are 'Send' and 'Save' buttons. The main area shows a JSON request body with the following structure:

```
1022  {"inputParameters": [  
1023    "partyId",  
1024    "applicationNumber",  
1025    "customerName"  
1026  ]},  
1027  {"outputParameters": {  
1028    "rejectionRemarks": "${humantask_apprv_corp_loan.output.rejectionRemarks}",  
1029    "loanGrantStatus": "${humantask_apprv_corp_loan.output.loanGrantStatus}",  
1030    "emailStatus": "${CNFRM_CORP_LOAN.output.emailStatus}"  
1031  }},  
1032  "schemaVersion": 2,  
1033  "restartable": true,  
1034  "workflowStatusListenerEnabled": false  
1035  }  
1036  ]
```

Below the request body, the response status is '204 No Content', with a time of '309ms' and a size of '281 B'. A 'Save Response' button is visible. The response body is currently empty, with a 'Pretty' button selected in the top left of the response area.

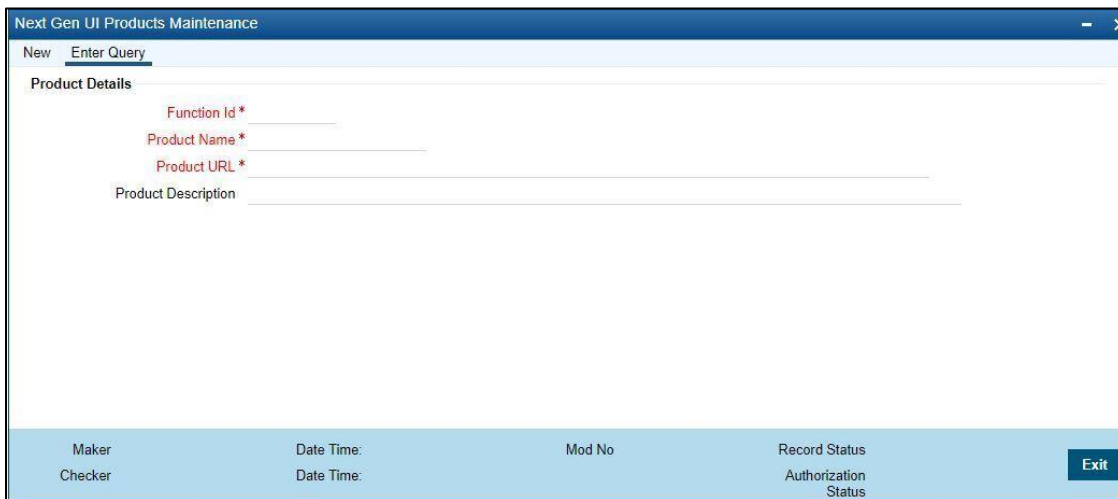
12.Launching Oracle FLEXCUBE Onboarding from UBS

12.1 Introduction

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

12.2 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 **OFLO** product, which will Launch **Plato Teller Dash Board**. Ensure the same user id is maintained in for the OFLO product and it has necessary roles.

12.3 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.



Oracle FLEXCUBE Onboarding Installation Guide

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