Oracle® Banking Microservices Architecture

Customer Service Installation Guide

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Oracle Banking Microservices Architecture Customer Service Installation Guide, 14.8.0.0.0

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Purpose

This guide helps you to install the Party Services, User Interface, and Conductor Process flow on designated environments.

Audience

This document is intended for WebLogic admin or ops-web team who are responsible for installing the banking products of Oracle Financial Services Software Limited.

Documentation Accessibility

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the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

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The following text conventions are used in this document:

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

Screenshot Disclaimer

Information used in the interface or documents are dummy, it does not exist in real world, and its only for reference purpose.

Related Resources

For more information, see these Oracle resources:

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

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Customer Service Installation Guide

This document provides step-by-step instructions to install Customer Services in the Oracle Banking Origination Application Server.

Prerequisites

Weblogic domain

- Customer Service
  This topic describes about the customer service.

1.1 Customer Service

This topic describes about the customer service.

The Customer Services Setup has the following set of services:

- INFRA Services
  - Discovery Service
  - Config Service
- Customer Services

The following table describes the services available in Customer Services Setup:

Table 1-1 Service Details

Service		Service Name	Usage
INFRA Services	**Discovery**	**plato-discovery-service**	This service is required for registering all the Customer Services during start-up. The registered services use the Discovery Service to make inter service calls.
	Config Service	**plato-config-service**	This service provides required configuration details for the corresponding Customer Services during service start-up, by referring the database table (table name: PROPERTIES). The mentioned database table stores all the configuration related details.
Customer Services		**obpy-customer-services**	This service is used to fetch the customer details.

This topic contains the following subtopics:

- Server Setup
  This topic provides the systematic instructions to setup the server.
- Customer Service Maintenance
  This topic provides the information about the customer service maintenance.

- WAR Deployment
  This topic provides the information about the war deployment.
- Server Restart
  This topic describes about the server restart.

1.1.1 Server Setup

This topic provides the systematic instructions to setup the server.

Before deploying the Customer Services **WAR** files, The user must setup managed servers for the services.

1. In the **Application Server**, set up two **Managed Servers** for **INFRA Service**, and **Customer Service** respectively.
2. Name the **Managed Servers** as **ConfigServer**, and **CustomerServer** respectively.

> **Note:**
>
> Any name can be provided to the Managed Servers, and the INFRA Service and Customer Service can be deployed in the any corresponding server created for that service.

3. Create the following Data Sources for **INFRA Service**, and **Customer Service**:

Data Source JNDI Name	Type	Target
jdbc/UBSCUSTOMER	Non-XA Datasource	Customer Service
jdbc/PLATO	Non-XA Datasource	ConfigServer

4. Include the following line in **setDomainEnv.cmd** or **setDomainEnv.sh** of the Weblogic domain:

   For Linux Server:
   Syntax

   JAVA_OPTIONS="${JAVA_OPTIONS} ${JAVA_PROPERTIES} -Dflyway.enabled=false -Dspring.flyway.enabled=false -Dplato.services.config.uri=http://<config-server-ip>:<config-server-port> -Dplato.service.logging.path=<Debug Path where Logs are to be written>"

   export JAVA_OPTIONS

   Sample

   JAVA_OPTIONS="${JAVA_OPTIONS} ${JAVA_PROPERTIES} -Dflyway.enabled=false -Dspring.flyway.enabled=false -Dplato.services.config.uri=http://10.10.10.10:1010 -Dplato.service.logging.path=/mnt/FC144/ICLogs"

   export JAVA_OPTIONS

   For Windows Server:
   Syntax

   set JAVA_OPTIONS=%JAVA_OPTIONS% %JAVA_PROPERTIES% -Dplato.services.config.uri=http://<config-server-ip>:<config-server-port> -Dflyway.enabled=false -Dspring.flyway.enabled=false -Dplato.service.logging.path=<Debug Path where Logs are to be written>

   Sample

set JAVA_OPTIONS=%JAVA_OPTIONS% %JAVA_PROPERTIES% -Dflyway.enabled=false -Dspring.flyway.enabled=false -Dplato.services.config.uri=http://whf00bir:9005 -Dplato.service.logging.path=D:/ICLogs

If the Node-Manager is used to start the Managed Servers, the user need to perform the following steps:

5. Navigate to **Servers**. Under **Server**, click **Managed Server**.
6. Under **Managed Server**, click **Server Start**.
7. Set parameters specific to the **Managed Server** in the argument section.

1.1.2 Customer Service Maintenance

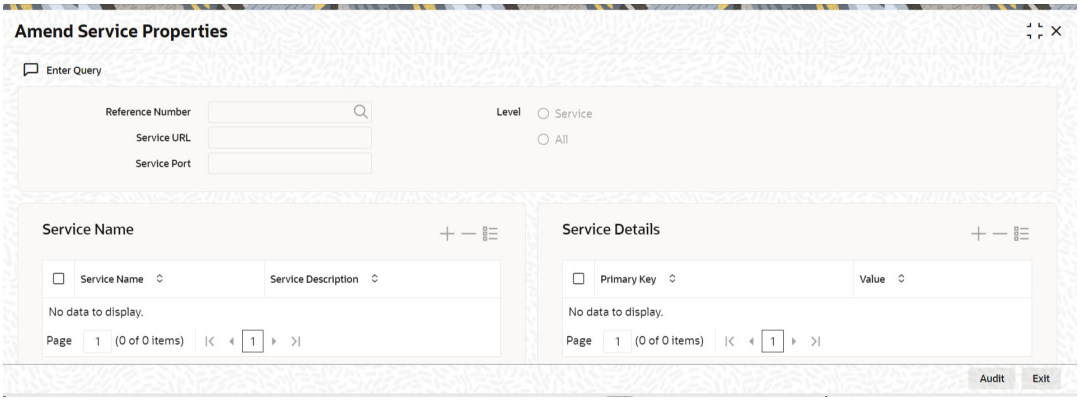
This topic provides the information about the customer service maintenance.

After setting up the Managed Servers for the **Customer Services**, the services must be enabled in the **FCUBS Maintenance** page.

1. Launch the **Amend Service Properties (CSDPROPM)**.

   The **Amend Service Properties** screen displays.

Figure 1-1 Amend Service Properties



2. On **Amend Service Properties** screen, specify the details and perform the actions.

   For more information on fields, refer to the field description table.

Table 1-2 Amend Service Properties - Actions

Actions	Description
Unlock	Click **Unlock** at the top left corner.
Reference Number	Query the **Reference Number** from the list.
Service URL	Specify the **Service URL**. The syntax service URL is: http://<config-server-ip>:<config-server-port>/plato-discovery-service/eureka
Service Port	Specify the port of Managed Server (CustomerServer).

3. Click **Save** to save the specified details.

1.1.3 WAR Deployment

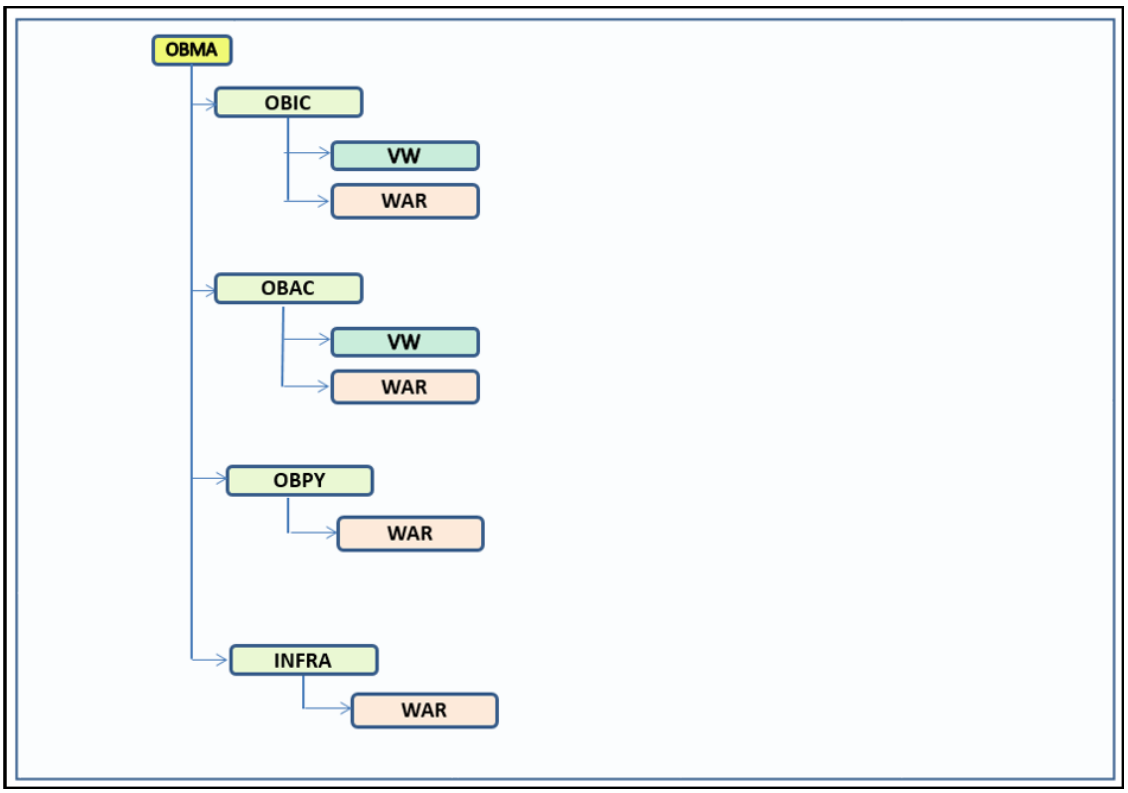
This topic provides the information about the war deployment.

While creating a FCUBS EAR build, Customer and INFRA war files are automatically copied into the destination location through installer along with FCUBS EAR.

After the completion of build creation, the following files will be available in the destination folder:

- FCUBS Application EAR and All Adapter EAR
- INFRA
- OBPY

Figure 1-2 Destination Folder Structure



1. Navigate to **INFRA** in the destination folder and copy the following **INFRA Service** WAR files.
   - plato-discovery-services-6.0.0.war
   - plato-config-services-6.0.0.war
2. Deploy the copied **INFRA Service** WAR files in **ConfigServer**.
3. Navigate to the **Oracle Banking Party** in the destination folder and copy the **Customer Service** WAR files.
4. Deploy the copied **Customer Service** WAR files in **CustomerServer**.

1.1.4 Server Restart

This topic describes about the server restart.

After deploying the Customer Services or restarting the Application server, start the services in the following sequence:

- plato-config-service
- plato-discovery-service
- obpy-customer-services

> **Note:**
>
> - After restarting the Application server, start the ConfigServer first and then start the CustomerServer.
> - To enable Discovery service to fetch properties entries for self-registration from plato-config-service, plato-discovery-service must be stopped and started whenever the ConfigServer is restarted

The deployed Customer Services are listed in the service discovery URL.

To confirm the running status of all the services, check the service discovery URL.

Service Discovery URL Syntax:

http://<config-server-ip>:<config-server-port>/plato-discovery-service

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