CASA Service Installation Manual
Oracle FLEXCUBE Universal Banking
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1. CASA Service Installation Manual

1.1 Introduction

This document provides step-by-step instructions to install CASA services in the Oracle FLEXCUBE server.

1.2 Prerequisites

- Weblogic Domain

1.3 CASA Service

The CASA Services Setup has the following set of services:

- **INFRA Services**
  - **Discovery Service**
  - **Config Service**
- **fcubs-customer-acc-service**
- **fcubs-audit-service**
- **fcubs-smsvalidation-service**
- **fcubs-signature-service**
- **obbrn-casacustomeraccount-services**

The following table describes the services available in the CASA services setup:

Table 1: CASA Service Details

Service		Service Name	Usage
INFRA Services	**Discovery**	**plato-discovery-service**	This service is required for registering all the CASA 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 CASA services during service start-up, by referring to the database table (Table name: PROPERTIES). The mentioned database table stores all the configuration-related details.

CASA Service	**fcubs-customer-acc-service**	This service fetches and updates details to and from the FLEXCUBE database.
SMS Validation Service	**fcubs-smsvalidation-service**	The Security Management Service validates the users.
Audit Service	**fcubs-audit-service**	This service updates audit logs in FLEXCUBE.
Signature Service	**fcubs-signature-service**	This service fetches and updates details to and from the FLEXCUBE database.
Casacustomeraccount Service	**obbrn-casacustomeraccount-services**	This service fetches and updates details to and from the FLEXCUBE database for CASA360 screen.

1.3.1 Server Setup

Before deploying the CASA services WAR files, the user must set up managed servers for the services.

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

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

3. Create the following Data Sources for **INFRA and CASA Services**:

Data Source JNDI Name	Type	Target
jdbc/CSRCASA	Non-XA Datasource	CasaServer
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/CasaLogs"

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:/CasaLogs

NOTE: If the Node-Manager is used to start the Managed Servers, the user can navigate to Servers > Managed Server > Server Start and set parameters specific to the Managed Server in the argument section.

1.3.2 CASA Service Maintenance

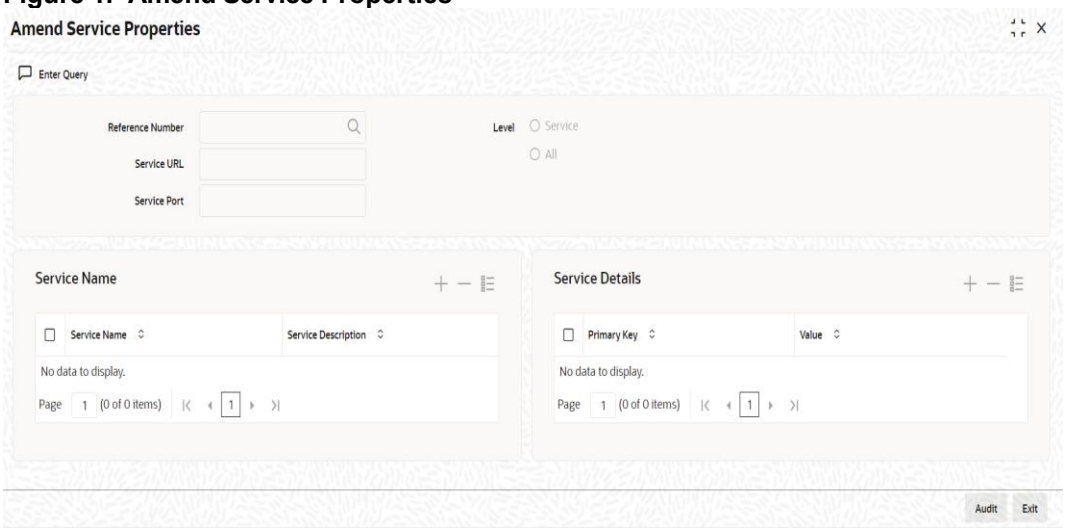
After setting up the Managed Servers for the **CASA Services**, the services must be enabled in the **FCUBS Maintenance** page.

Specify **User ID** and **Password** and login to **Homescreen**.

1. On **Homescreen**, specify **CSDPROPM** in the text box, and click **Next**.

   Amend Service Properties screen displays.

Figure 1: Amend Service Properties



2. On **Amend Service Properties** screen, click **Unlock** at the top left corner.
3. Specify the **Reference Number** from the list of values.
4. Specify the **Service URL**.

Service URL Syntax:

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

Service URL Sample:

http://10.10.10.10:1010/plato-discovery-service/eureka

5. Specify the port of Managed Server (**CasaServer**) in the **Service Port** field.
6. Click **Save**.

1.3.3 WAR Deployment

While creating an FCUBS EAR build, CASA and INFRA war files are automatically copied into the destination location through the installer along with FCUBS EAR. After completing the build creation, the following files will be available in the destination folder:

- **FCUBS Application EAR and All Adapter EAR**
- **INFRA Service WAR**
- **CASA Service WAR**

1. Navigate to INFRA in the destination folder and copy the following **INFRA Service WAR** files:
   - **plato-discovery-services-7.2.0.war**
   - **plato-config-services-7.2.0.war**
2. Deploy the copied **INFRA Service WAR** files in the **ConfigServer.**
3. Navigate to the **OBBRN** > **CASA** in the destination folder and copy the **CASA Service WAR** files.
4. Deploy the copied **CASA Service WAR** files in the **CasaServer**.

1.3.4 Server Restart

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

- **plato-config-service**
- **plato-discovery-service**
- **fcubs-customer-acc-service**
- **fcubs-audit-service**
- **fcubs-smsvalidation-service**
- **fcubs-signature-service**
- **obbrn-casacustomeraccount-services**

NOTE:

- After restarting the Application server, start the **ConfigServer** first and then start the **CasaServer**.
- To enable the **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 CASA 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

Service Discovery URL Sample

http://10.10.10.10:1010/plato-discovery-service



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