

Loans Service Installation Manual  
Oracle FLEXCUBE Universal Banking  
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# 1. Loans Service Installation Manual

## 1.1 Introduction

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

## 1.2 Prerequisites

- Weblogic Domain

## 1.3 Loans Service

The Loans Services Setup has the following set of services:

- **INFRA Services**
  - **Discovery Service**
  - **Config Service**
- **fcubs-ln-mo-dashboard-service**

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

**Table 1: Loans Service Details**

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

### 1.3.1 Server Setup

Before deploying the Loans 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 **Loans Service**, respectively.
2. Name the Managed Servers as **ConfigServer** and **LoansServer**, respectively.

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

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

**Table 2: Data Sources**

Data Source JNDI Name	Type	Target
jdbc/FCUBS	Non-XA Datasource	LoansServer
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> -
Dspring.cloud.loadbalancer.ribbon.enabled=false"
```

```
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/LoansLogs -
Dspring.cloud.loadbalancer.ribbon.enabled=false"
```

```
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> -Dspring.cloud.loadbalancer.ribbon.enabled=false
```

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:/LoansLogs -Dspring.cloud.loadbalancer.ribbon.enabled=false
```

**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 WAR Deployment

While creating an FCUBS EAR build, Loans 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**
- **Loans Service WAR**

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

### 1.3.3 Server Restart

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

- **plato-config-service**
- **plato-discovery-service**
- **fcubs-ln-mo-dashboard-service**

**NOTE:**

- After restarting the Application server, start the **ConfigServer** first and then start the **LoansServer**.
- 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 Loans 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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