

Blockchain Utility
Oracle FLEXCUBE Investor Servicing
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1. Blockchain WAR Update Utility

1.1 Introduction

This chapter explains the steps for updating property and configuration XML files available in Blockchain Adapter WAR using Oracle FLEXCUBE Installer.

1.2 Setting up RestService RESTEJB Application

This section explains the methods of updating Blockchain Adapter WAR.

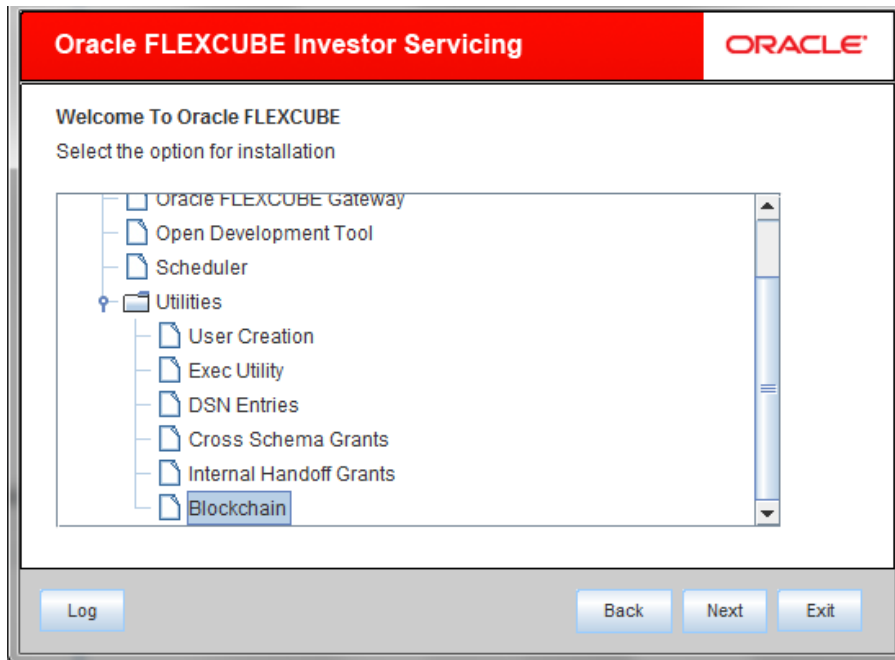
1.2.1 Prerequisites

- Blockchain Adapter WAR file needs to be copied from ADAPTERS folder in Shipment Location.

1.2.2 Updating WAR File

In order to update WAR file for Blockchain Adapter configuration, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.
2. Click 'Next'. The following screen will be displayed.



Choose the Application 'Blockchain' under Utilities section. Click 'Next'. The following screen is displayed:

Oracle FLEXCUBE Investor Servicing **ORACLE**

Modify Property File in WAR file

War Path Location

Select Property File **Select File Name** ▼

Property name	Value

3. Select the Blockchain Adapter WAR file for modifying the properties and Configuration XMLs:

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Modify Property File in WAR file

War Path Location

Select Property File **application.properties** ▼

100%

Property Name	Value
spring.datasource.jndi-name	jdbc/BATMB
spring.datasource.test/WhileIdle	true
spring.datasource.validationQuery	SELECT 1
spring.jpa.show-sql	true
spring.jpa.hibernate.naming.implicit-str...	org.hibernate.boot.model.naming.Implici...
spring.jpa.hibernate.naming.physical-str...	org.springframework.boot.orm.jpa.hiber...
spring.jpa.properties.hibernate.dialect	org.hibernate.dialect.Oracle10gDialect

Select Application.properties to modify the jndi name for the respective LOB schema. Click on 'Save' to commit the changes.

No other property file to be modified. Click 'Next'. The following screen is displayed:

The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' application window. The title bar is red with the Oracle logo. The main content area is titled 'Modify XML File in WAR file'. It features a 'Select XML File' dropdown menu with 'CamelContext.xml' selected, and a 'Save' button. Below this is a text area displaying XML code for a Spring bean configuration. The code includes schema locations for Spring beans and Camel, and defines a bean of type 'org.apache.camel.component.sql.SqlComponent' with a 'dataSource' property. At the bottom, there are 'Log', 'Back', 'Next', and 'Exit' buttons.

```
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="
http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://camel.apache.org/schema/spring
http://camel.apache.org/schema/spring/camel-spring.xsd">
  <bean id="sqlComponent" class="org.apache.camel.component.sql.SqlComponent">
    <property name="dataSource" ref="dataSource" />
  </bean>
```

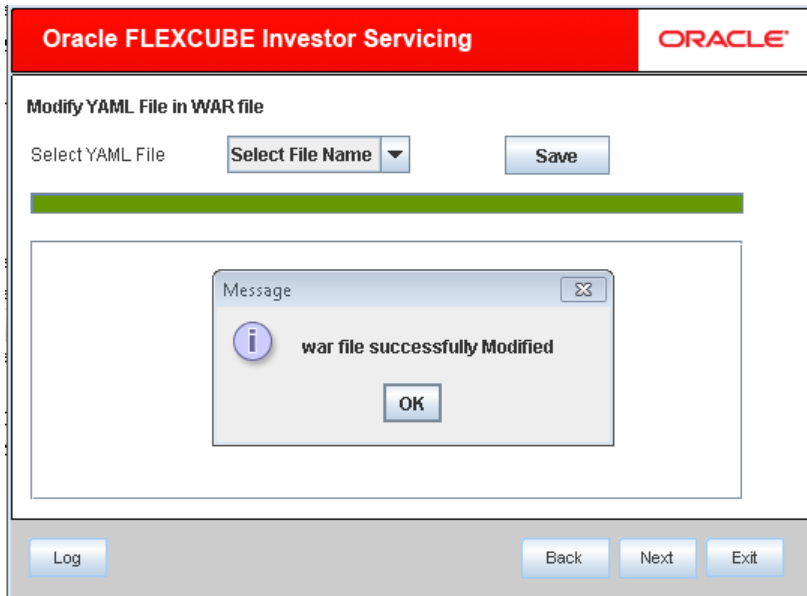
Select Camel Context XML file to modify the configuration. Update Distributed Ledger Client URI as to uri in P2, P4, P6 route ids.

Click on "Save" to commit the changes. No other configuration XML requires changes.

After modifying CamelContext XML file, Click 'Next'. The following screen is displayed:

The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' application window. The title bar is red with the Oracle logo. The main content area is titled 'Modify YAML File in WAR file'. It features a 'Select YAML File' dropdown menu with 'Select File Name' selected, and a 'Save' button. Below this is a large empty text area for editing the YAML file. At the bottom, there are 'Log', 'Back', 'Next', and 'Exit' buttons.

If there are no YAML files to modify, Click 'Next'. The following screen is displayed:



WAR file is now ready for deployment.

1.2.3 **Deployment of BlockChain Adapter in Application Server**

Blockchain Adapter WAR needs to be deployed in different WebLogic/WebSphere application Server or in a different Managed Server.

For Each LOB one adapter installation is required. Create the data source JNDI as given in the configuration XML, pointing to LOB schema.



Gateway Application Setup
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