

Biometric Integration User Guide

# **Oracle FLEXCUBE Universal Banking**

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Biometric Integration User Guide  
Oracle Financial Services Software Limited  
Oracle Park

Off Western Express Highway  
Goregaon (East)  
Mumbai, Maharashtra 400 063  
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

<https://www.oracle.com/industries/financial-services/index.html>

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# Contents

<b>1. Oracle FCUBS - Biometric Integration .....</b>	<b>1-1</b>
1.1 Scope .....	1-1
1.2 Prerequisite .....	1-1
1.3 Integration Process.....	1-1
1.3.1 <i>Technical Flow</i> .....	1-1
1.3.2 <i>Technical Changes in FLEXCUBE UBS</i> .....	1-2

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# 1. Oracle FCUBS - Biometric Integration

FLEXCUBE UBS branch module can be integrated with third party face recognition system. Use case supported is to alert relationship manager when an important customer enters the branch. System would also pop up a shortcut to the customer landing page of the walked in customer for quick access by the relationship manager.

This chapter contains the following sections:

- [Section 1.1, "Scope"](#)
- [Section 1.2, "Prerequisite"](#)
- [Section 1.3, "Integration Process"](#)

## 1.1 Scope

This section describes the scope of the integration with respect to FCUBS and Biometric System.

In FCUBS API is developed to be used by third party face recognition system to send Customer ID and Image details through Rest Services to FCUBS.

Mechanism to send a trigger/notification to specific RMs FCUBS application in the browser from AS. A Pop-up screen which displays customer details including image to RM.

Click on the popup screen takes the user to customer landing page, where the customer context is set and the user can perform various transactions for the customer.

## 1.2 Prerequisite

Set up Oracle FLEXCUBE Universal Banking Application and third party face recognition system.

## 1.3 Integration Process

This chapter contains the following sections:

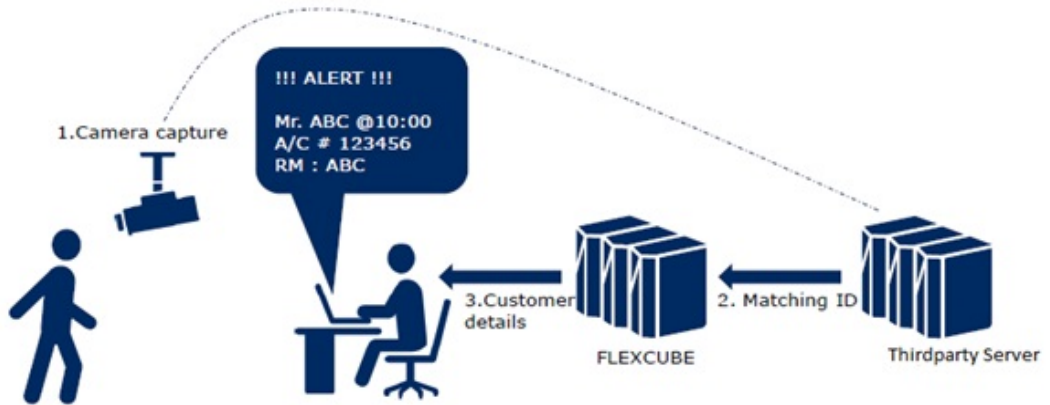
- [Section 1.3.1, "Technical Flow"](#)
- [Section 1.3.2, "Technical Changes in FLEXCUBE UBS"](#)

### 1.3.1 Technical Flow

Setup and population of data in third party face recognition system is outside the scope of this document.

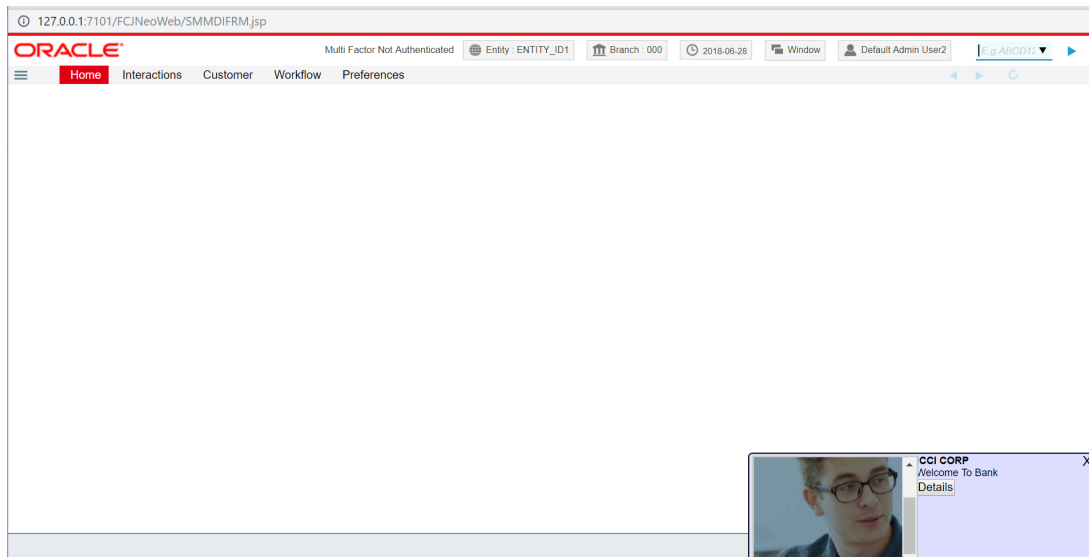
The integration flow in detail:

- Thirdparty Biometric server accepts the face and matches against the whitelist database.
- Once the match is found Thirdparty server sends the matching ID (customer number) and Image to FLEXCUBE
- FLEXCUBE fetches all the customer details (Customer Name, RM details) and shows the pop-up on the FLEXCUBE UBS screen of the relationship manager



### 1.3.2 Technical Changes in FLEXCUBE UBS

- A RESTful Web Services developed and available in FLEXCUBE UBS as an API to Third-party.
- The Third-party software sends the customer id and image to the FLEXCUBE UBS application through the API.
- The Application retrieves the customer information from the database and sends a message via WebSocket channel.
- Pop up message display on Application based on the message received in WebSocket.



Above screen shows how the notification appear to Relationship manager whenever customer walks into branch.

127.0.0.1:7101/FCJNeoWeb/SMMDFRM.jsp

ORACLE® Multi Factor Not Authenticated Entity : ENTITY\_ID1 Branch : 000 2018-06-28 Window Default Admin User2 STDCULNE

Home Interactions **Customer** Workflow Preferences

Customer Details

Search By Customer Number 000000947 Search Reset

Search Results

1 Of 1

<input checked="" type="checkbox"/>	Customer Name	Customer No	Mobile Number	Customer Category	RM ID	RM Name	View Customer
<input checked="" type="checkbox"/>	ICCI CORP	000000947		CORPORATE			<a href="#">View Custom</a>

Above screen displays when Relationship manager click on the details button on the popup.