

Biometric Integration User Guide

**Oracle Banking Retail and SME
Lending Cloud Service**

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Biometric Integration User Guide
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1. Oracle OBCSA - Biometric Integration

Oracle Banking Retail and SME Lending Cloud Service Services 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 OBCSA and Biometric System.

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

Mechanism to send a trigger/notification to specific RMs OBCSA 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 lending page, where the customer context is set and the user can perform various transactions for the customer.

1.2 Prerequisite

Set up Oracle Banking Retail and SME Lending Cloud Service 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 Oracle Banking Retail and SME Lending Cloud Service Services"](#)

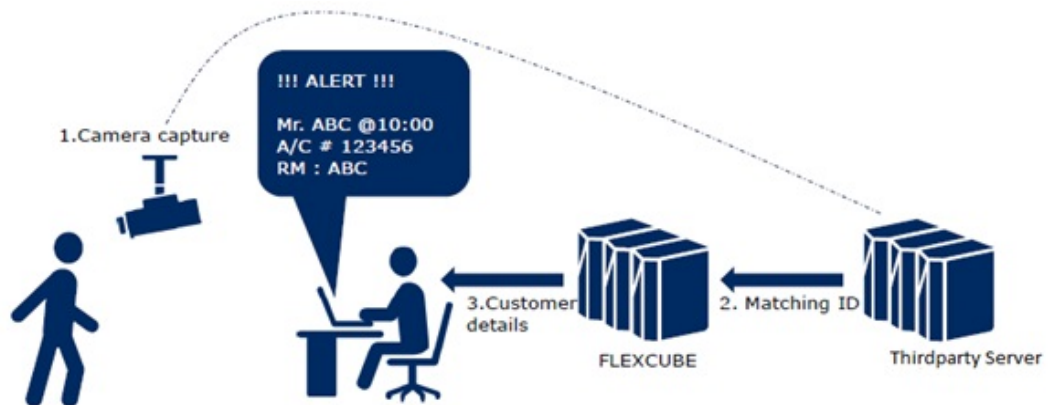
1.3.1 Technical Flow

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

The integration flow in detail:

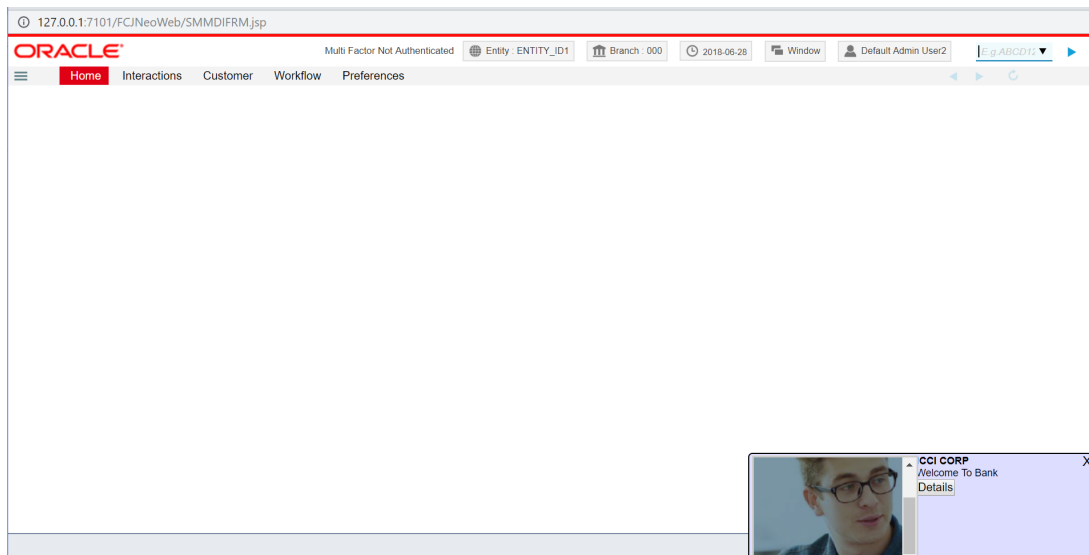
- Third party Biometric server accepts the face and matches against the whitelist database.
- Once the match is found Third party server sends the matching ID (customer number) and Image to OBRSL

- OBRSL fetches all the customer details (Customer Name, RM details) and shows the pop-up on the Oracle Banking Retail and SME Lending Cloud Service Services screen of the relationship manager

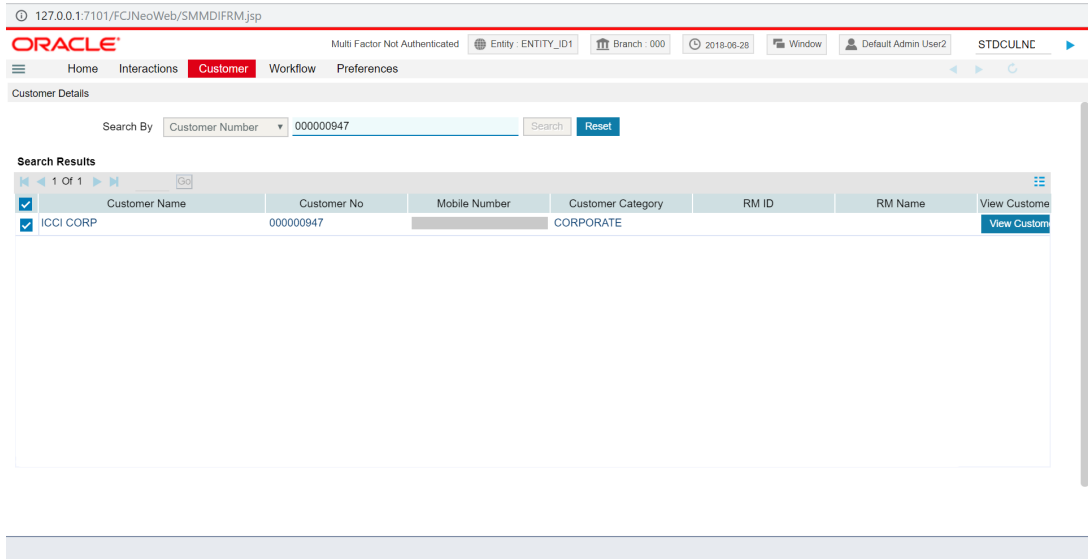


1.3.2 Technical Changes in Oracle Banking Retail and SME Lending Cloud Service Services

- A RESTful Web Services developed and available in Oracle Banking Retail and SME Lending Cloud Service Services as an API to Third-party.
- The Third-party software sends the customer id and image to the Oracle Banking Retail and SME Lending Cloud Service Services 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.



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