

OBDX – OFLO Integration Guide

Oracle FLEXCUBE Onboarding

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OBDX – OFLO Integration Guide

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Contents

1. About this manual	1
1.1 Purpose	1
1.2 Audience	1
1.3 List of Topics.....	1
1.4 Acronym and Abbreviation	1
2. OBDX-OFLO Integration.....	2
2.1 Introduction	2
2.1.1 Business Product API	3
2.1.2 Initiate API	4
2.1.3 Submit API	5
2.1.4 Get API.....	7
2.1.5 Inquiry API.....	8
2.1.6 Document List API.....	9
2.1.7 LOV API	10
2.1.8 BIC CODE LOV API	11
2.1.9 Customer Accounts LOV API.....	12
2.1.10 Loan Offer Decision API.....	13

1. About this Manual

1.1 Purpose

This manual is to help with Integration of Oracle FLEXCUBE Onboarding with Oracle Banking Digital Experience product.

1.2 Audience

This guide is primarily intended for the following user/user roles:

Table 1: Audience

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software

1.3 List of Topics

Table 2: List of Topics

Topics	Function
OBDX-OFLO Integration	This chapter helps you to Integrate Oracle Banking Digital Experience with Oracle FLEXCUBE Onboarding product.

1.4 Acronym and Abbreviation

Following are some of the acronyms and abbreviations you are likely to find in the manual:

Table 3: Acronym and Abbreviation

Abbreviation	Description
OBDX	Oracle Banking Digital Experience
OFLO	Oracle FLEXCUBE Onboarding

2. OBDX-OFLO Integration

2.1 Introduction

You can integrate Oracle FLEXCUBE Onboarding with Oracle Banking Digital Experience product. This document briefs you about the specific steps needed for Integration of these two products and specific maintenances.

Oracle FLEXCUBE Onboarding (OFLO) and OBDX integration will allow end-customers to initiate multi-product applications in a single go without much hindrance. This will enable faster application processing, easy tracking and a single and efficient platform to open accounts. OBDX user is factory-shipped from OFLO, however, roles will have to be provided. For more details on roles, please refer Common Core user guide.

For the smooth integration, OFLO has provided the following Rest APIs for OBDX to consume and utilize multi-product origination.

- Business Product API
- Initiate API
- Submit API
- Get API
- Inquiry API
- Document List API
- LOV API
- BIC Code LOV API
- Customer Accounts LOV API
- Loan Offer Decision API

2.1.1 Business Product API

Business Product API will allow OBDX to fetch the list of OBDX-specific business products which are maintained in OFLO application. Depending on the Product Type parameter passed, this API will fetch authorized and open records of Loans, Savings or Current Account products from OFLO. Follow the following steps to configure OBDX-specific Business Products in OFLO:

1. Open Business Product Maintenance screen in OFLO.
2. Enter the required details along with CHANNEL field as OBDX.
3. Save and authorize the record.
4. Create Business Process from Business Process Maintenance screen and link this newly created OBDX product to this Business Process (existing Business Process can also be used to link the Business Product).

This product will now be available to be fetched by OBDX.

Below are the details of the API:

API: */obremo-rpm-businessproductdetails-services/service/businessproducts?productType={productType}&channel=OBDX*

Type: *GET*

Headers:

Content-Type: application/json

userId: OBDX

appId: OBREMOBPDETAILS

branchCode

productType can have the below mentioned values:

L → Loan Account Products

S → Savings Account Product

C → Current Account Product

2.1.2 Initiate API

Initiate API will be used to initiate and thus start a multi-product application through OFLO.

Below are the salient features of Initiate API. Initiate API will return the following in the response:

- Application Number
- Initiate Reference Number
- Product specific Process Reference Numbers
- Product specific Task Ids
- Product specific documents required

On initiating an application, a conductor workflow will be created for all the products selected and will be present at the initial stage of the configured Business Process.

The tasks will be auto-acquired by the user "OBDX" (factory-shipped user).

Below are the details of the API:

API: */obremo-rpm-process-driver-services/service/initiate*

Type: *POST*

Headers:

Content-Type: application/json

userId: OBDX

appId: RPMPROCESSDRIVER

branchCode

Body:

```
{
  "channel": "",
  "products": [
    {
      "businessProductCode": "string",
      "lifeCycleCode": "string",
      "productType": "string",
      "subProductType": "string"
    }
  ]
}
```

```

    }
  ]
}

```

2.1.3 Submit API

Submit API will be used to save and submit the application from OBDX side. On calling this API, the data passed through the payload will be stored in OFLO tables in the respective domains.

Below are the salient features of Submit API.

Based on the body parameter “action” (which can have “save” and “submit” values), OBDX application will be saved or submitted in OFLO.

1. Send action as **save** to persist the data in the TW tables of the respective domains.
2. Send action as **submit** and the following operations will be executed.
 - Data will be persisted in TW tables of respective domains in OFLO.
 - The conductor tasks will be released from “OBDX” user and will be available in Free Tasks for OFLO users to pick up and start processing.
 - Mandatory documents will be validated.
3. Send action as **terminate** to terminate the application if the status is **IN PROGRESS**.

The response of this API will also send back the Application details back to OBDX.

NOTE: It is required for OBDX to save the data without the **Mandate Details** and **Financial Details**. This is because during **Customer Details** savings in OFLO, an applicant ID will be generated and sent back with the response. This applicant ID is required to be attached in **Mandate Details** and **Financial Details** to link the same with the **Customer Details**.

Below are the details of the API:

API: */obremo-rpm-process-driver-services/service/submit*

Type: *POST*

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appId: RPMPROCESSDRIVER
4. branchCode

Body:



Plain_OBDX_Application_Submit_API_v4.txt

2.1.4 Get API

Get API is used to fetch the saved application details from OFLO application. The response format will be similar to the Submit API request format.

Below are the details of the API:

API: */obremo-rpm-process-driver-services/service /getData/{applicationNumber}*

Type: *POST*

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RPMPROCESSDRIVER
4. branchCode

2.1.5 Inquiry API

Inquiry API is used to get the details applications initiated by OBDX such as status, number of applications opened etc.

Below are the details of the API:

API: */obremo-rpm-projection-services/ /service/inquiry/applicationsList*

Type: *GET*

Query Parameters:

1. channel (Mandatory)
2. fromDate
3. toDate
4. applicationNo
5. processRefNo
6. productType
7. productSubType
8. productName
9. custName
10. custMobile
11. custEmail
12. branchCode
13. offset
14. limit
15. primaryMobileISD

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RMPPROCESSDRIVER
4. branchCode

2.1.6 Document List API

Document List API is used to fetch the documents which are required to be submitted for an application. Using the parameters, we can fetch the documents for the below two scenarios:

- List the documents for a Business Product before initiating the application. Following are the parameters which are required to be sent:
 - businessProductCode
 - productType
- List the documents required for an already initiated application. Following are the parameters which are required to be sent:
 - applicationNo

Below are the details of the API:

API: */obremo-rpm-process-driver-services/service/getDocumentList*

Type: *GET*

Query Parameters:

1. applicationNo
2. businessProductCode
3. productType

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RPMPROCESSDRIVER
4. branchCode

2.1.7 LOV API

List of Values (LOV) API are used to fetch static LOV values for drop-down fields from OFLO application. These are factory-shipped static values.

Below are the details of the API:

API: */obremo-rpm-maintenance-services/service-api/v1/applicationmaintenance/{type}*

Type: *GET*

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: OBREMOMAINTC
4. branchCode

2.1.8 BIC CODE LOV API

BIC Code LOV API fetches the list of BIC codes available in OFLO process.

Below are the details of the API:

API: */obremo-rpm-maintenance-services/service-api/v1/applicationmaintenance/biccodes*

Type: *GET*

Query Parameters:

1. bicCode (Non-mandatory)
2. offset (Non-mandatory)
3. limit (Non-mandatory)

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RPMPROCESSDRIVER
4. branchCode

2.1.9 Customer Accounts LOV API

Customer Accounts LOV API fetches the list of available customer accounts in OFLO process.

Below are the details of the API:

API: /obremo-rpm-lo-loanapplications/service-api/v1/loanapplications/customeraccounts/{applicationNumber}?customerNo={cifNo}&accountCurrency={CCY}

Type: GET

Query Parameters:

1. applicationNumber (Mandatory)
2. customerNo (Mandatory)
3. accountCurrency (Mandatory)
4. offset (Non-mandatory)
5. limit (Non-mandatory)
6. customerId (Non-mandatory)
7. accountNumber (Non-mandatory)

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RMPPROCESSDRIVER
4. branchCode

2.1.10 Loan Offer Decision API

Loan offer decision API will enable OBDX to accept or reject a loan offer, if the status of the application is in "Offer Generated", and if that is not being processed by any OFLO user.

Below are the details of the API:

API: */obremo-rpm-process-driver-services/service/loanOfferDecision*

Type: *POST*

Headers:

1. Content-Type: application/json
2. userId: OBDX
3. appld: RPMPROCESSDRIVER
4. branchCode

Body:

```
{  
  
  "processRefNo": string,  
  
  "applicationNumber": string  
  
  "customerResponse": string  
  
  "offerAmendDate": string,  
  
  "dateOfOfferAcceptOrReject": date  
  
  "reason": string,  
  
  "remarks": string  
  
}
```