

Product Release Notes  
Oracle FLEXCUBE Onboarding  
Release 14.5.0.0.0  
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Product Release Notes  
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Version 14.5.0.0.0

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# 1. Release Notes

## 1.1 Background

Oracle Financial Services Software Limited has developed Oracle FLEXCUBE Onboarding (OFLO), to offer seamless flexibility to financial institutions for easy adaptability to market needs and also enables banks to streamline their operations using Task based workflows and improve their overall operational efficiency while onboarding various Banking products across Savings Accounts, Current Accounts, Term Deposit Accounts, Loan Accounts and Credit Card. It enables Banks to deliver improved user experience for various Bank personas handling defined functions in the lifecycle of these product origination.

Oracle FLEXCUBE Onboarding (OFLO) is the middle office banking solution with a comprehensive coverage of Retail Banking origination processes. It enables Banks to deliver improved user experience for various Bank personas handling defined functions in the lifecycle of the various product origination.

## 1.2 Purpose

The purpose of this Release Note is to propagate the enhancements in OFLO 14.5.0.0.0.

## 1.3 Abbreviation

Abbreviation	Description
OFLO	Oracle FLEXCUBE Onboarding
OBBRN	Oracle Banking Branch
OBDX	Oracle Banking Digital Experience
OBPY	Oracle Banking Party Management
IPA	In-Principle Approval
UI	User Interface

## 1.4 Release Highlights

The rationale for the product release of Oracle FLEXCUBE Onboarding version 14.5.0.0.0 is to support origination process for Credit Card product and further enhance the features of the existing products supported such as Savings Account, Current Account, Term Deposit and Loans to improve the competitiveness of our product in the market. Following are the features included in the release along with forward porting of applicable fixes related to the incidences reported in previous versions and technical qualification to comply with approved Tech Stack:

- Credit Card Origination
- Straight through Process for Savings Account, Current Account and Term Deposits
- In Principle Approval (IPA) Expiry Batch Process
- Integrations:
  - Integration with Oracle Banking Digital Experience (OBDX)
    - Awaiting Customer Clarification
    - In-Principle Approval (IPA)
    - Origination with Straight through Processing and
    - Credit Card Origination
  - Integration with Oracle Banking Party Management (OBPY)
    - Additional fields have been added in Customer Information and Financial Details Data Segment
  - Integration with Oracle Banking Credit Facilities Process Management (OBCFPM) for Collateral Origination
  - Integration with Oracle Bureau Service (OBS) for getting External Credit Scoring for the Borrower

## **1.5 Release Enhancements**

### **1.5.1 Credit Card Origination**

#### **Credit Card Origination flows**

Oracle FLEXCUBE Onboarding now supports Credit Card Origination process. The Reference flow includes the below mentioned stages:

- Credit Card Application Entry
- Credit Card Underwriting
- Credit Card Assessment
- Credit Card Supervisor Approval

Post Supervisor Approval, the application details will be handed over to Product Processor and Product Processor has to process the same and provide the card/account number to OFLO.

Similar to the other product origination already supported, the configuration such as Process Code, Business Product, Business Process and Workflow Creation is mandatory for the Credit Card Origination Process to work seamlessly.

### **1.5.2 Straight Through Process for Current Account, Savings Account and Term Deposits**

New Business Process is now available wherein various stages in the Reference Flow for Current Account, Savings Account and Term Deposit has been automated.

This allows Instantaneous Account origination from Self-Service Channel such as Oracle FLEXCUBE Digital Experience for existing Customer who are KYC Compliant and New Customers for whom KYC is completed in Oracle FLEXCUBE Digital Experience (OBDX). KYC Type supported for the STP is Identification and Address only and the same has to be configured in Oracle Banking Party.

For application origination from Oracle FLEXCUBE Onboarding, configurable option is now available which allows the User to originate application with minimum information i.e. Customer Information and the Product Details (existing process) or with all the required details (data segments) that are part of the Application Entry Stage. If the Application is initiated with all the details by clicking the 'Application' button in the Initiate Stage; system automatically submits the Application Entry Stage and skips the stages, which are not applicable such as Overdraft Stage and Initial Funding Stage so that the Account origination process is faster and with minimal user intervention. From a 4-eye principle perspective, system expects the application to be approved by a Supervisor for Branch initiated application.

### **1.5.3 Collateral Origination**

Oracle FLEXCUBE Onboarding is capable to automatically trigger Collateral Origination request as part of the Loan Application submissions where collateral details are updated. It is pre-integrated with Oracle Banking Credit Facilities Process Management. The verification of completion of the Valuation, Legal Opinion and Collateral Perfection are done in the Loan workflows by calling the specified services from the underlying Collateral Application. Collateral thus originated are updated in the Local Collateral in FCUBS.

#### **1.5.4 In Principle Approval (IPA) Expiry Batch Process**

Batch Process has been developed which will mark IPA application which have gone beyond the date of the validity period configured in the Business Product as Expired.

#### **1.5.5 Multi-Entity Support**

The deployment model for the product now supports multiple entities of the bank. This feature will enable a single instance of the product (and the underlying Oracle Banking Microservices Architecture platform) to onboard multiple entities of the bank onto the platform. In addition, following features will be available:

1. Creation of "Multi-Entity Admin" user(s)
2. Entity Definition and Maintenance
3. Creation of "Entity Admin" User(s) & regular Users
4. Mapping of users (entity admins or regular users) to one or more entities - The users of the application will be central in nature and users can have access to one or more entities.
5. User Entitlement will be local to the entity
6. Data Segregation at Entity Level - On the database end, there will be segregation of data between the different entities. The different entities data will be housed in different schemas on the database. Depending on the database deployment architecture employed, these schemas for the different entities could be in the same or different PDBs of the database.
7. Deployment of Flyway scripts (database scripts) for an application across all entities during deployment of patches and upgrades.
8. Deployments with single entity will also be deployed in the same architecture with a "default entity"
9. Upgrade of existing (pre 14.5) deployments to a single entity deployment with the "default entity"

#### **1.5.6 Integrations**

##### **Integration with Oracle Banking Digital Experience (OBDX)**

Integration with OBDX has been completed for these features:

- **Awaiting Customer Clarification:** Detail of Clarification request raised for an application are now available in OBDX. Customer is able to view the clarification raised and can respond on the clarification using OBDX.
- **In-Principle Approval (IPA):** Capability is now available to initiate an In-Principle Approval application from OBDX. Customer can also view the status of the IPA Application from OBDX.
- **Origination with Straight through Processing:** Straight through processing of Savings Account and Current Account origination is now possible for an existing KYC Compliant Customer & for New Customer whose KYC (Identification and Address) is verified in OBDX.
- **Credit Card Origination:** Integration is completed for originating Credit Card application as a single application or multiple application along with the other products such as Current Account, Savings Account, Term Deposit and Loans from OBDX.
- Fund by Mode 'External Account Transfer' has been added for OBDX channel to send the initial funding details to OFLO. This mode is only available for OBDX Channel.

### **Integration with Oracle Banking Party Management (OBPY)**

Additional fields such as Customer Segment, Nationality, Birth Country, Customer Sub Type, Preferred Language and Preferred Currency have been added in the Customer Information Data Segment in OFLO. Similarly, additional fields viz., Organization Category, Demographics, Grade, Employment Tenure, and Emp Agreement have been added in the Financial Details Data Segment. These fields have been added and are being passed as part of the Customer Onboarding and Customer Amendment request so that the customer creation works in Straight through processing in OBPY.

### **Integration with Oracle Banking Credit Facilities Process Management (OBCFPM)**

Oracle FLEXCUBE Onboarding is now integrated with Oracle Banking Credit Facilities Process Management for automatic trigger of the Collateral Origination process for Loan Products where collateral details are considered. The verification of the Valuation, Legal Opinion Detail and Collateral Perfection are done in the reference flows by calling the specified services from Oracle Banking Credit Facilities Process Management. Collateral thus originated will be created in the Local Collateral in FCUBS.

### **Integration with Oracle Bureau Service (OBS) for getting External Credit Scoring**

Integration with Oracle Bureau Service (OBS), which is a part of the underlying Oracle Banking Microservices Architecture Platform, is in place. This is used for getting External Credit Rating score of the applicant/borrower for the Loan Applications. System pulls the score from the Oracle Bureau Service and displays the same in the Credit Rating Details Data Segment. System also allows to view additional details for the borrower so that the assessment decision can be taken judiciously.



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## 2. Deprecation

The “Quantitative Score Card” feature of the product will be deprecated in the upcoming release of the product. Release 14.5.0.0.0 of the product will be the last release that will support this “Quantitative Score Card” feature. In the upcoming release, this feature will be replaced by a more comprehensive, rule engine driven feature which can provide a lot more holistic approach to Credit Decisioning. This new feature will also work in conjunction with the Oracle Bureau Service that is part of the current release.

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## 3. Components of the Software

### 3.1 Documents Accompanying the Software

The various documents accompanying the software are as follows:

- Product Release Note and Installer Kit
- User and Installation manuals - [https://docs.oracle.com/cd/F41347\\_01/index.htm](https://docs.oracle.com/cd/F41347_01/index.htm)

### 3.2 Software Components

Software Components of Oracle FLEXCUBE Onboarding 14.5.0.0.0 that form part of this release are as follows:

- Service and API Components
- UI Components
- Database objects which includes tables, sequences and seed data
- Configuration files used for deployment

## 4. Annexure - A: Environment Details

### 4.1 Tech Stack – Oracle FLEXCUBE Onboarding

Component	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Onboarding	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
			Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 281
			Oracle WebLogic	12.2.1.4.0
	Document Management System	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			JDK	1.8 Update 281
			Oracle Database (for RCU)	19.10.0.0.0
			Repository Creation Utility	12.2.1.4.0
	Oracle WebCenter Content Imaging	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebCenter Content Imaging	12.2.1.4.0
			Oracle RDBMS Enterprise Edition	19.10.0.0.0
	Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.10.0.0.0
	Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-2.6.0
			Apache ZooKeeper	3.6.2
	Reporting Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			JDK	1.8 Update 281
			Repository Creation Utility	12.2.1.4.0
			Oracle Database (for RCU)	19.10.0.0.0
			Oracle Analytical Server (Oracle BI Publisher)	5.9.0
Client Machines			Mozilla Firefox	87+
For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at <a href="https://www.oracle.com/middleware/technologies/browser-policy.html">https://www.oracle.com/middleware/technologies/browser-policy.html</a>			Google Chrome	88+
			Apple Safari	14+
			Microsoft Edge	89+

**Note:** Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter on which Operating Systems they are installed. Current release is certified on client workstations with Windows 10.

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## 5. Annexure - B: Third-Party Software

For information on the third-party software, refer Oracle FLEXCUBE Onboarding 14.5.0.0.0 License Guide in the OHC Documentation Library.

[https://docs.oracle.com/cd/F41347\\_01/license.htm](https://docs.oracle.com/cd/F41347_01/license.htm)