Product Release Notes
Oracle FLEXCUBE Onboarding
Release 14.5.2.0.0
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FINANCIAL SERVICES

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Product Release Notes

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1. Release Notes

1.1 Background

Oracle Financial Services Software Limited has developed Oracle FLEXCUBE Onboarding to offer seamless flexibility to financial institutions for easy adaptability to market needs and to enable 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 Cards.

Oracle FLEXCUBE Onboarding 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 Oracle FLEXCUBE Onboarding 14.5.2.0.0.

1.3 Abbreviation

Abbreviation	Description
IPA	In-Principle Approval
UI	User Interface

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1.4 <u>Release Highlights</u>

The rationale for the product release of Oracle FLEXCUBE Onboarding version 14.5.2.0.0 is to further enhance the origination features of the existing products supported such as Savings Account, Current Account, Credit Card, Term Deposit and Loans and help 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:

- Regrouping of commonly used Data Segments

- Credit Decision and Risk Based Pricing for Current Account with Overdraft

- Collateral Integration for Current Account with Overdraft

- Loan Documents Captured in FLEXCUBE Onboarding is linked to Loan Account.

- Additional Fields for Expenses in Financial Data Segment

- Change of Charges Data Segment from Grid Structure to Box Structure

- Supervisor Approval Task will have all previous Data Segments in View mode for Term Deposits, Savings Accounts, Current Accounts and Loans

- **Integrations:**

  Integration with Decision Service for getting the Total Weighted Score, Assessment Decision and Risk Based Pricing for Current Account with Overdraft Applications.

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1.5 <u>Release Enhancements</u>

1.5.1 <u>Regrouping of commonly used Data Segments</u>

Subsequent to the enhancements of Credit Assessment features for both Loans and Current Account overdrafts, the existing Data segments which were commonly used in these Product Originations have been regrouped under the relevant common categories for ease of Business process definition.

The following data segments have been moved into the common domain categories

- Credit Rating Data Segment (Common)
- Assessment Data Segment (Scorecard)
- Collateral Data Segment (Collateral)

1.5.2 <u>Credit Decision and Risk Based Pricing for Current Account with Overdraft</u>

Oracle FLEXCUBE Onboarding now has the feature to configure facts, rules, scoring features, scoring models and decision matrix along with Pricing as part of the enhanced decision engine service which is capable of providing the Approval decision along with risk based pricing for Current Account with Overdraft Applications also.

The integration with Decision service provided by Decision Service has further strengthened the origination workflow in terms of guided evaluation and credit appraisals for Current Account with Overdraft applications.

The following Decision Service Configurations screens have been included in Oracle FLEXCUBE Onboarding menu options to support the above feature:

- Facts and Rules Configuration
- Scoring Feature Configuration
- Scoring Model Configuration
- Decision Grade Matrix Configuration
- Pricing Configuration

Additionally, the option to use only Decision Service for Credit Decisions or with a combination of using the Decision Service along with Bureau Integration Service is also made available.

Business product changes have been introduced to support Decision Service integration.

Oracle FLEXCUBE Onboarding can also initiate Decision Service and Pricing call subsequent to manual credit assessment.

Upon the integration of Pricing and Decision service even for Current Account with Overdraft, the workflow changes on the Assessment workflow will be in line with the Loans Assessment and subsequent Manual Credit Assessments. Also, the Account parameter step-up stage will provide the flexibility to manage the Interest and Charges subject to Supervisory approvals. (*Please refer to **June 14.5.1.0.0 Release Notes** for more information*).

Note: The Qualitative score which is calculated in Oracle FLEXCUBE Onboarding for the Applicant will be made available to the decision engine to be taken as one of the Decision Service Facts for the purpose of weighted score.

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1.5.3 Collateral Integration and Mapping of Limit Types for Current Account with Overdraft

Consequent to the introduction of the Pricing and Decision service for the purpose of Current Account with Overdraft Credit evaluation, the Collateral Data Segment, Account Limit Data Segment and Financial Details Data Segment have been made available in the Origination workflow.

The data segments included under Overdraft Limits Stage" in Current Account with Overdraft origination are as under:

- Collateral Data Segment
- Account limit Data Segment
- Financial Details Data Segment

Additionally, the following new stages have been introduced in Current Account with Overdraft origination process:

- Manual Credit Assessment
- Manual Decision
- Account Parameter Setup

The onboarding of New Collateral using either the Oracle Banking Credit Facility Process Management platform and/or directly sending the request to the Host for creation of the Local Collateral is now supported even for the Current Account with Overdraft origination process.

Account Limit Data Segment is the new data segment introduced to provide the details of the Limit type and Linkage amount respectively. Data capture for the following Limit types are supported:

- Term Deposit (Bank's own)
- Collateral
- Unsecured

Financial Details can be seeded for the New Customer or if the Customer is an Existing party the values of Income / Expense / Asset / Liability will be defaulted from Party Management. These details can be used or can be suitability amended and passed on to the downstream Party Management and Decision engine for update / evaluation.

The workflow changes on the Assessment workflow will be in line with the Loans Assessment and subsequent Manual Credit Assessments. Also, the Account parameter step-up stage will provide the flexibility to manage the Interest and Charges subject to Supervisory approvals. (*Please refer to **June 14.5.1.0.0 Release Notes** for more information).*

1.5.4 Loan Documents Captured in Oracle FLEXCUBE Onboarding linked to Loan Account.

Loan documents captured in the Origination process will now be made available for viewing on the Host side once the Account is successfully created. For this purpose, the all document categories have now been mapped with the underlying host document types. The mapping of these documents is handled in the Oracle Banking Routing Hub layer.

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1.5.5 Additional Fields for Expenses in Financial Data Segment

The Financial Details Data Segment has been enriched further to support capturing of specific attributes which can be used in the Credit Decision service.

The following Expense attributes have been included (in addition to the existing):

- Loan Payments
- Utility Payments
- Insurance Payments
- Credit Card Payment

1.5.6 Change of Charges Data Segment from Grid Structure to Box Structure

The rendering of the UI has been enhanced to align with the UX standard and to also provide a more user friendly look and feel. The Charges Data Segment screen has box structures where the Charge Type and Value can be captured by the user.

1.5.7 Supervisor Approval Task will have all previous Data Segments in View mode for Term Deposits, Savings Accounts, Current Accounts and Loans

The Approval stage will now have all the completed data segments displayed in view only mode to the Supervisor to provide complete view of the data captured/ updated as part of onboarding process. The following are the details of the Data segments made available in the respective product origination approvals.

The following Data Segments are now made available as part of Term Deposit Account Approval Stage:

- Customer Information - View only
- Account Details - View only
- Nominee Details - View only
- Mandate Details - View only
- Interest Details - View only
- Initial Funding Details - View only
- Account Information

The following Data Segments are now made available as part of Savings Account Approval Stage:

- Account Details - View only
- Mandate Details - View only
- Nominee Details - View only
- Secured OD Details (if applicable) - View only
- Financial Details (if applicable) - View only
- Interest Details - View only
- Charge Details - View only
- Temporary Overdraft Details (if applicable) - View only
- Advance Against Un-cleared Funds (if applicable) - View only
- Initial Funding Details (if applicable) - View only
- Approval Details

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The following Data Segments are now made available as part of Current Account Approval Stage:

- Customer Information - View only
- Account Details - View only
- Mandate Details - View only
- Nominee Details - View only
- Account Limit Details (if applicable) - View only
- Financial Details (if applicable) - View only
- Interest Details - View only
- Charge Details - View only
- Temporary Overdraft Details (if applicable) - View only
- Advance Against Un-cleared Funds (if applicable) - View only
- Credit Rating Details - View Only
- Valuation Details (if applicable) - View Only
- Legal opinion (if applicable) - View Only
- Assessment Details (For Auto Approved applications) - View Only
- Manual Decision Details (For Manual Decision cases) - View Only
- Collateral Perfection (if applicable) - View Only
- Initial Funding Details (if applicable) - View only
- Approval Details

The following Data Segments are now made available as part of Loan Account Approval Stage:

- Customer information - View Only
- Loan Details - View Only
- Mandate Details - View Only
- Financial Details - View Only
- Collateral Details - View Only
- Guarantor Details (if applicable) - View Only
- Credit Rating Details - View Only
- Valuation Details (if applicable) - View Only
- Legal opinion (if applicable) - View Only
- Assessment Details (for Auto Approved applications) - View Only
- Manual Decision Details (for Manual Decision cases) - View Only
- Offer Issue - View Only
- Offer Accept/ Reject - View Only
- Collateral Perfection (if applicable) - View Only
- Loan Summary Details

1.5.8 Integrations

Integration with Decision Service for getting the Total Weighted Score, Assessment Decision, and Risk Based Pricing on the Current Account with Overdraft Application has been duly completed in this release. Consequent to the Decision Service integration, the revised Assessment Data segment screen in Oracle FLEXCUBE Onboarding will henceforth display the System recommended decision, Total Weighted score, Grade, recommended Pricing (based on the approval recommendation) for the Loan application, which is fetched real-time. Also, the detailed weightage score on the respective facts along with the Scoring model matrix will be made available applicant wise for scrutiny and further action by the credit officer.

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2. Components of the Software

2.1 Documents Accompanying the Software

The various documents accompanying the software are as follows:

- Product Release Note and Installer Kit
- User and Installation manuals

2.2 Software Components

Software Components of Oracle FLEXCUBE Onboarding 14.5.2.0.0 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

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3. Annexure - A: Environment Details

3.1 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	12.2.1.4.0
	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 For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at https://www.oracle.com/middleware/technologies/browser-policy.html		Mozilla Firefox	87+
			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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4. Annexure - B: Third-Party Software

For information on the third-party software, refer Oracle FLEXCUBE Onboarding 14.5.2.0.0 License Guide in the OHC Documentation Library.

https://docs.oracle.com/cd/F46759_01/license.htm

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