

Product Release Notes

Oracle Banking Cash Management

Release 14.5.4.0.0

Part No. F54344-01

February 2022



Oracle Banking Cash Management
Product Release Note
February 2022
Version 14.5.4.0.0

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1. Release Notes Overview

1.1 Background / Environment

Oracle Financial Services Software Limited has developed Oracle Banking Cash Management (OBCM) solution that enables a financial institution to manage the account receivables and account payables of their corporate customers. OBCM provides a technology platform capable of capturing account receivables and account payables of corporates across disparate accounts and locations. This in turn enables better management of working capital for the corporate.

1.2 Purpose

The purpose of this document is to highlight the functionality included in the Oracle Banking Cash Management 14.5.4.0.0 release.

1.3 Abbreviations

Abbreviation	Detailed Description
OBCM	Oracle Banking Cash Management
OBVAM	Oracle Banking Virtual Account Management
VAM	Virtual Account Management
OBDX	Oracle Baking Digital Experience
PDC	Post-dated cheque
CDC	Current-dated cheque
PO	Purchase Order
CCY	Currency
TXN	Transaction
UI	User Interface
LOV	List of Values
Dr	Debit
Cr	Credit

1.4 **Product Summary**

Oracle Banking Cash Management Release 14.5.4.0.0 is built to meet various challenges faced by financial institutions. It addresses each of the cash management processes from design through execution. Its unique value lies in its ability to provide the business with predefined processes and a world-class framework that takes care of business risk and compliance needs.

1.5 **Release Highlights**

The key highlight of the Oracle Banking Cash Management 14.5.4.0.0 release is to incorporate new functionality and enhancements required to provide cutting-edge technology to the cash management industry.

Functional:

- Filter Service Enhancements and Dynamic Filter Fields Design in UI
- Mandatory Fields Validation for File Uploaded Instruments
- Viewing of Instrument Collection – Draft
- Ability to Modify Deposit Branch for Instrument Collection from File Upload
- Product Related Changes for Instrument Collection
- Charges Configuration for Collection Instruments
- Cash Transaction Dashboard
- Changes to Weekly Forecasting in Cash Flow Forecasting
- Placement of Product Type and Product Category fields in Product Definition Search
- Search Field for Locations of Correspondent and Outside Network Banks
- Quarterly Cash Flow Forecasting Data to Include the Months
- Cash Flow Inquiry: Fetching of Virtual Account
- Product-wise Instrument Collection Flow Portlet
- Cash Flow Code Maintenance: Aggregates at Parent-level
- Instrument Management – Field Changes
- Batch Alerts Framework

Non-Functional:

- Get Cash Flow Codes from Transaction as well as Master Maintenance

Integrations:

- Integration of Cash Management with Payments for Outward Clearing and Liquidation

Platform Changes:

- NIL

2. Release Enhancements

2.1 Functional Features

2.1.1 Filter Service Enhancements and Dynamic Filter Fields Design in UI

As part of this release, the Filter Service, which was specifically implemented as per screen requirement, has now been made a shared service. It is now generic and configuration driven. Filter criteria fields are now rendered dynamically, based on the field type, and data is populated based on endpoint configuration. The service which initially supported 5 filter criteria fields, now supports 10.

The enhancement addresses the following:

- Supports different field types dynamically for filter criteria
- Removes type-based from filter criteria
- Dynamically validates the required attributes of the filter criteria
- Provides hook for intra-dependency of filter attributes
- Provides dynamic multiple dropdown support for the summary screen

2.1.2 Mandatory Fields Validation for File Uploaded Instruments

When instrument records are created through file upload, certain mandatory fields may have remained blank. Even when these instruments were retrieved and edited by the back-office user, they could be saved and sent for authorization, without checking that mandatory fields contained values in them. As part of this release, when file uploaded instrument details are retrieved and edited, a validation is included to ensure that all mandatory fields contain values in them.

2.1.3 Viewing of Instrument Collection – Draft

The Instrument Collection Draft could only be viewed by the user (maker) who created it. This was a problem especially when the records were created through file upload, as this could be done either by a back-office user or even a front-office user. As part of this release, drafts can now be viewed by other users with relevant role and access rights.

2.1.4 Ability to Modify Deposit Branch for Instrument Collection from File Upload

In those cases where the Deposit Branch field was blank/null during file upload for instrument collection creation, this data got saved as null. When a back-office user retrieved and edited such as record, an error was displayed on clicking 'Next'. The Deposit Branch field has now been made editable, if the record has come through file upload.

2.1.5 Product Related Changes for Instrument Collection

When an instrument collection request is received from an external channel, with data in the User Defined Fields, then at the time of entry into back-office, a check will now be done to validate if the Product Type "All" is maintained for Product Category "Paper Based". If yes then the request is accepted, else rejected with the reason: Product "All" is not available with Back Office.

2.1.6 **Charges Configuration for Collection Instruments**

As part of this release, configuration of charges for instrument collection has been added. This would enable corporates to flexibly levy charges during various events, such as, Collection Deposit, Arrangement Credit, Credit Reversal, Realization, Return, Vault Maintenance, and so on, in the lifecycle of the instruments. In order to implement this feature, the Charge Decisioning screen and the Charge Preferential Pricing screen have been modified to include additional filters with respect to instrument collection, such as, Instrument Type, Instrument Status, Credit/Debit Status, Corporate and Product. Charges are configured for a combination of these filter criteria. For example:

- A combination of instrument type and instrument status (booked, returned, realized, and so on)
- A combination of instrument type, instrument status, and corporate party
- A combination of instrument type, instrument status, and product
- A combination of instrument type, instrument status, corporate party, and product
- A combination of instrument type, and status of the transaction (credit or debit)
- A combination of instrument type, transaction status, and corporate party
- A combination of instrument type, transaction status, and product
- A combination of instrument type, transaction status, corporate party, and product

Provision is made to not levy charges in case of return of instrument due to bank technical reasons. Charges will not levied even when such instruments are lodged, post being returned.

2.1.7 **Cash Transaction Dashboard**

A highly configurable dashboard has been created for the Oracle Banking Cash Management application. A user can access and configure the dashboard based on their role and access rights. It provides a snapshot of various key data to the bank administrator, to enable them to perform various analytical functions. It consists of various portlets that can be dragged/moved, size-adjusted, expanded or collapsed, renamed, and so on. For portlets containing graphs, the values of X and Y axes can also be changed. The following portlets have been added, at present:

- **Top 5 Corporates Cash Collection/Cash Withdrawal** - This portlet will display the top 5 corporates with high value collection in a Bar Chart with the horizontal bar showing the highest value for the time period selected by the user. On flipping this portlet, it will display the top 5 corporates with high value cash withdrawal.
- **Cash Transaction Volume & Trend** - This portlet will display the monthly Cash Transaction Volume & Trend in a Bar Chart with the X-Axis displaying the amount and Y-Axis displaying the month/year. 2 vertical bars for Cash Transaction Type (Cash Collection/Cash Withdrawal) will be displayed. A trend line will be displayed above the jet bar for the month-wise grand total count.

2.1.8 **Changes to Weekly Forecasting in Cash Flow Forecasting**

Weekly forecasting was done for the calendar year (from Jan - Dec) on a rolling week basis, i.e. if 1st of Jan was a Wed, then week 1 started from Wed and ended on Tue. This continued into the next month. As part of this release, weekly cash flow forecasting is now done with the first week of every month being stamped as Week1. The next weeks are stamped as Week 2, Week 3, till a maximum of 5. The end of the month will be the last week, irrespective of the number of days in that week.

2.1.9 **Placement of Product Type and Product Category fields in Product Definition Search**

In the Product Definition Create screen, the Product Type field with dropdown values is displayed only when the user selects the Product Category as Paper-based Instrument. Hence in the Search screen, the Product Category field has now been placed before the Product Type field.

2.1.10 **Search Field for Locations of Correspondent and Outside Network Banks**

In the View Location screen, the bank user will now be able to fetch all locations linked with the Correspondent bank or Outside Network bank by inputting the bank name in the respective field.

2.1.11 **Quarterly Cash Flow Forecasting Data to Include the Months**

The Quarterly Cash Flow Forecasting data will now include the months of the quarter. For example: Quarter 1 – Jan to Mar.

2.1.12 **Cash Flow Inquiry: Fetching of Virtual Account**

When performing cash flow Inquiry, the virtual account will also be fetched from Common Core Maintenance.

2.1.13 **Product-wise Instrument Collection Flow Portlet**

The Product-wise Instrument Collection Portlet has been introduced which displays the monthly Product-wise collection, with Value on one side and Volume on the flip-side, as follows:

- **Product-wise Collection – Value** (Front View) - This displays a line chart with the Product-wise total monthly instrument collection value.
- **Product-wise Collection – Volume** (Back View) - This displays the monthly Product-wise collection volume (count) in a JET Bar Chart with vertical stacked bars. Also displays a trend line indicating the grand total count.

2.1.14 **Cash Flow Code Maintenance: Aggregates at Parent-level**

Initially, the totals for a particular cash flow code were only shown at a particular cash flow code level and not at the parent code level. As part of this release, this has been modified, to show aggregated level totals at the parent-level as well, for those codes where a parent-child relationship exists.

2.1.15 **Instrument Management – Mandatory Field Changes**

In the Instrument Management screen, the following changes have been made:

- When fields such as Instrument Number or Deposit Slip Number are selected, fields such as Currency, Date range, Corporate, and so on, will become non-mandatory.
- The Currency dropdown now has a value called "Select", which gets set by default when the user inputs other parameters such as Corporate, Date range and so on.

2.1.16 Batch Alerts Framework

As part of this release, an alerts-job specific to the Oracle Banking Cash Management application has been defined in the EOD Workflow. A batch alerts framework has also been designed to trigger batch alerts for various alert-categories.

2.2 Non-Functional Features

2.2.1 Get Cash Flow Codes from Transaction as well as Master Maintenance

Initially, the back-office user sent unique cash flow codes and descriptions from the cash flow transaction alone. This has now been modified to send unique codes (both parent and child) from both transaction as well as Master Maintenance, where the Corporate id + Channel = OBDX.

2.3 Integrations

2.3.1 Integration of Cash Management with Payments for Outward Clearing and Liquidation

As part of this release, Oracle Banking Cash Management is now integrated with Oracle Banking Payments for outward clearing and liquidation process of booked instruments. A clearing request is initiated from OBCM to OBPM, with the cheque details for the clearing process. Once the request is processed by OBPM, a response is generated. If the response received is 'Success' or the Value Date, then the status of the instrument is marked as 'Realized'. If the response received is 'Reject', then the status is marked as 'Returned'.

2.4 Platform Changes

- NA

3. Deprecated Functionality

NA

4. Patches and Bugs

Bug Id	Bug Description	Fix Description

5. Security Fixes

NA

6. Limitations and Open issues

This chapter covers the known limitations and open issues of the OBCM.

Bug Id	Bug Description

7. Components of the Software

7.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Notes
- Installer Kit
- User Manuals and Installation manuals

7.2 Software Components

Software Components of OBCM 14.5.4.0.0 that form part of this release are as follows:

- Core
 - UI Components (Knockout, OJET, Lux)
 - The Swagger / YAML for the services supported
 - Configuration files for the services
 - Service Components
 - Tables, Sequences, Static Data
- Installation utilities
 - Installation documents for Database, UI, Web services

8. Annexure – A: Environment Details

Oracle Banking Cash Management			
Application Server	Oracle Linux Server Release 8.3 (x86 64 Bit)	Java HotSpot (TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 281
		Oracle WebLogic	12.2.1.4.0
		Oracle Repository Creation Utility (RCU)	12.2.1.4.0
		Oracle Fusion Middleware Infrastructure	12.2.1.4.0
Database Server	Oracle Linux Server Release 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.10.0.0.0 (19c)
Document Management System	Oracle Linux Server Release 8.3 (x86 64 Bit)	Oracle WebCenter Content Imaging	12.2.1.4.0
Client Machines#		Mozilla Firefox	87+
		Google Chrome	88+
		Microsoft Edge	89+
		Apple Safari	14+
Browser Support is strictly tied to the Browser itself, and no longer based on the Operating System. Current release is certified on client workstations with Windows 10 and Mac.			

9. Annexure – B: Third Party Software Details

For information on the third-party software, refer Oracle Banking Cash Management 14.5.4.0.0 License Guide in the OHC Documentation Library:

https://docs.oracle.com/cd/F51625_01/license.htm