

# Oracle® Banking Cash Management

## Release Notes



Release 14.8.0.0.0

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ORACLE®

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# Preface

## Background

Oracle Banking Cash Management enables a financial institution to manage the account receivables and account payables of their corporate customers. Oracle Banking Cash Management 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.

## Purpose

The purpose of this Release Notes is to highlight the various features in Oracle Banking Cash Management release 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.

## Audience

This guide is intended for the following audience:

- Customers
- Partners

## Documentation Accessibility

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## Access to Oracle Support

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## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#)

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Related Resources

For more information, refer to the following documents:

- Oracle Banking Cash Management User Guides
- Oracle Banking Cash Management License Guide

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Acronyms and Abbreviations

**Table 1 Acronyms and Abbreviations**

Abbreviation	Description
OS	Operating System
UI	User Interface
OBSCF	Oracle Banking Supply Chain Finance
OBCM	Oracle Banking Cash Management

## Product Summary

Oracle Banking Cash Management Release 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.

## List of Topics

The list of topics are described as follows:

Topics	Description
<a href="#">Release Notes</a>	This topic provides the information on the release enhancements for Oracle Banking Cash Management.
<a href="#">Components of the Software</a>	This topic consists of the technology pre-requisites required for Oracle Banking Cash Management.
<a href="#">Environment Details</a>	This topic provides the information on the environment details for Oracle Banking Cash Management.
<a href="#">Third-Party Software</a>	This topic provides the information on licensing of third-party software that are packaged with Oracle Banking Cash Management.

# 1

## Release Notes

This topic provides the information about the release notes added to the product in this release.

This topic contains the following subtopics:

- [Release Highlights](#)  
This topic provides the information on the release highlights added to the product in this release.
- [Release Enhancements](#)  
This topic provides the information about the Release Enhancements for the current release.
- [Deprecated Features](#)  
This topic provides the information on the features deprecated from the product in this release.

### 1.1 Release Highlights

This topic provides the information on the release highlights added to the product in this release.

The scope of the current Oracle Banking Cash Management release is to deliver the following enhancements:

- Remapping of Menus
- Remapping of Inquiry Menu
- Changes in Menu names
- Addition of Non Bank Master Maintenance
- Addition of Non Bank Branch Master Maintenance
- Enhancement in Location Maintenance
- Enhancement in Product Definition Maintenance
- Enhancement in Relationship Maintenance
- Enhancement in Cash Deposit Inquiry Screen
- Enhancement in Instrument Collection Screen
- Enhancement in Inquiry Screen
- Traditional ALTA theme replaced with Redwood Theme
- UI Extensibility to extend to all Inquiry Screens
- Alerts Enhancements in Receivables and Payables
- Alerts Enhancements in Cash Management
- UI Enhancement in Alerts Maintenance Screen
- Common entities length Standardization

- Addition of Channel Transaction
- Added Netting Alert Events
- Integration with Oracle Banking Accounts
- Implemented remote caching solution for static/dynamic data using Oracle Coherence
- UI Enhancement in Charge Decisioning/Preferential Pricing Screen
- Enhancement in Payment Inquiry
- Netting Kafka Enhancement
- Addition of Multilateral Netting Functionality
- Enhancement in Create Netting Structure Screen
- Netting Structure added additional parameter for Batch Process.
- Enhancement in Netting Inquiry Screen
- Enhancements in Create Charge Decisioning Screen
- UI Enhancement in System Parameter
- Enhancement in EOD Job
- Batch Job for Allocation handoff
- Multi bank Cashflow Visibility
- Cashflow File upload Enhancements
- Log Archival
- SMS-RBAC Changes
- Enhancement in all Maintenance and Audit Screens

## 1.2 Release Enhancements

This topic provides the information about the Release Enhancements for the current release.

This topic contains the following subtopics:

- [Functional Features](#)  
This topic provides the information about the various functional features added in this release.
- [Non-Functional Features](#)  
This topic provides the information about the non-functional features changes added in this release.
- [Technical Changes](#)  
This topic provides the information about the technical changes added in this release.

### 1.2.1 Functional Features

This topic provides the information about the various functional features added in this release.

#### Remapping of Menus

As a part of this release, **Accounting**, and **Charges** screens menu are moved from **Maintenance** under **Collection** module to **Maintenance** under **Cash Management** main menu.

## Remapping of Inquiry Menu

All the Inquiry screens are moved from the individual modules (Collections, Netting and Cash Flow Forecasting) to **Inquiry** menu under **Cash Management** main menu.

## Changes in Menu Names

As a part of this release, all the maintenance and summary screens have been renamed with the appropriate descriptions. For example, the **Cashflow Code** menu is renamed from **Create/View** to **Create Cashflow Code/View Cashflow Code** accordingly.

## Addition of Non Bank Master Maintenance

A **Non Bank Master Maintenance** screen is newly introduced to create a master list of Bank and Bank codes which are external to the System Banks for cheque collections.

## Addition of Non Bank Branch Master Maintenance

A **Non Bank Branch Master Maintenance** screen is newly introduced to create a master list of Branch and Branch codes which are external to the System Branches for cheque collections.

## Enhancement in Location Maintenance

As a part of this release, the following fields are added in the **Create Location** screen to capture the location details along with the routing number:

- The **State / Province Code**, **Country Code** and **Routing Number** fields are newly added.
- The **Controlling Branch** is renamed as **Branch** for all the location networks.
- The **Priority** is renamed as **Branch Priority** for Own Branches.
- The **Priority** is renamed as **Bank Priority** for Correspondent Banks and Outside Network Banks.

## Enhancement in Product Definition Maintenance

As a part of this release, the following changes are added in the **Create Product Definition** screen to link more than one branch/multiple branches during product creation:

- The **Branch** field is modified into **ALL/Allowed/Restricted** buttons to indicate whether the product is available for all the branches or allowed/restricted to the specific branches only.
- If the **Branch** is selected with **ALL**, the product will be available for all the branches to which the user has access.
- If the **Branch** is selected with **Allowed/Restricted**, the **Allowed/Restricted Branches** table grid will appear respectively with the following fields to select the branches for which the branch has to be allowed/restricted.
  - **Branch Code**
  - **Branch Name**

## Enhancement in Relationship Maintenance

As a part of this release, the two new sections are introduced in **Create Relationship** screen to maintain the existing set of invoicing parameters at both the Receivables and Payables level. The following parameters are now available under the **Receivables** and **Payables** section.

- Auto-Debit Applicable



- Holiday Treatment
- Auto Acceptance Applicable
- No. of Days
- Allow Overdue Receivables
- Maximum Days Overdue
- Validate Linked Purchase Orders
- Excess Handling
- Excess Refund Party
- Excess Refund Payment Mode

### Addition of Channel Transaction

A **Channel Transaction** screen is newly introduced to review the transactions and allowed for process or cancel the transactions.

### UI Enhancement in Cash Deposit Inquiry screen

The **Deposit Slip No.** is renamed as **Deposit Slip Number** in the **Cash Deposit Inquiry** screen.

### UI Enhancement in Instrument Collection screen

The following fields are renamed in the **Instrument Details** pop-up screen.

- The **Drawer A/C number** is renamed as **Drawer Account Number**.
- The **Drawer A/c name** is renamed as **Drawer Account Name**.

### Enhancement in Inquiry Screen

The multiple status columns are consolidated to a single status column to indicate a clear and final status of a transaction in the **Inquiry** screens. The following changes are added in the **Inquiry** screens.

- In the **Cash Deposit Inquiry** screen, the existing **Processing Status** and **Credit Status** columns are consolidated into a single column as **Status**.
- In the **Cash Withdrawal Inquiry** screen, the existing **Processing Status** and **Debit Status** columns are consolidated into a single column as **Status**.

All the inquiry screens are moved from the individual modules (Collections, Netting and Cash Flow Forecasting) to **Inquiry** menu under **Cash Management** main menu.

### Alerts Enhancements in Cash Management

- The following changes are introduced in the **Create Alerts Decisioning** screen.
  - In the **Collections** module, the **Delivery Mode** field drop-down values appear based on the toggle **Plato Alert Integration** selection in **System Parameters** screen under **Integration Parameters** tab in **Receivables and Payables**.
- The **Corporate ID** is renamed as **Corporate** on the widgets of **View Alert Decisioning** screen and **Search Filter** overlay screen.
- The alerts are added for File Upload, Cash Deposit, Cash Withdrawal and Netting Events in **Alert Decisioning** screen.

- The **Alerts Template Details** and **Alerts Template ID** screens are introduced to Create and maintain a definite template for specific events.
- In the **Create Alert Decisioning** screen, under **Delivery Mode** drop down field **Agent** value is added.

#### Alerts Enhancements in Receivables and Payables

- The following changes are introduced in the **Create Alerts Decisioning** screen.
  - In the **Receivables and Payables** module, the **Delivery Mode** field drop-down values appear based on the toggle **Plato Alert Integration** selection in **System Parameters** screen under **Integration Parameters** tab.
- The **Alerts Template Details** and **Alerts Template ID** screens are introduced to Create and maintain a definite template for specific events.

#### UI Enhancement in Alerts Maintenance Screen

The **Corporate ID** is renamed as **Corporate** on the widgets of **View Alert Decisioning** screen and **Search Filter** overlay screen.

#### UI Enhancement in Charge Decisioning/Preferential Pricing Screen

An **External Pricing** toggle is newly introduced in **Charge Decisioning/Preferential Pricing** maintenance screens to allow the external pricing to be levied on transactions and configure the charges from an external system.

The following fields are newly introduced and will appear only if the **External Pricing** toggle is switched **ON**:

- **External Pricing System**
- **External Pricing Identifier**
- **External Pricing Identifier Description**

#### Enhancements in Payment Inquiry Screen

In **Receivables and Payables** module **Payment Inquiry** screen has been enhanced with following changes.

- A new field **Posting Status** is added in **Payment Inquiry** screen for **Receivables and Payables** module.
- Two new columns **Reconciliation Amount (Cashflow Currency)** and **Reconciliation Amount (Payment Currency)** are added in the **Reconciled Cashflow Details** tab for the **Payment Inquiry - Search Result** screen.

#### Addition of Multilateral Netting Functionality

As a part of this release, the **Multilateral Netting** is introduced in place of the Bilateral Netting using which the user can settle off the receivables or payables among the participants/subsidiaries. The following screens are introduced to enable the multilateral netting functionality.

- **Netting Structure:** The Netting Structure screen is introduced to create and maintain the netting structure, so that the appropriate subsidiaries are linked to the global netting center and sub center. The same can be further enriched with netting parameters, invoice parameters and scheduling parameters.
- **Netting Management:** The Netting Management screen is introduced to accept or reject a netting transaction on a particular associated party against its receivables and payables so

that the number of payment transactions between those two parties is reduced leading to significant cost savings. Once the netting transactions are accepted, the subsidiaries/sub center and global netting center can initiate the payout transactions to settle the obligations.

### UI Enhancement in Create Netting Structure Screen

The **Holiday Treatment** field is introduced in the **Create Netting Structure** screen with drop-down values **Next Business Date** and **Previous Business Date**.

### Enhancement in Netting Inquiry Screen

Addition of drop-down values for the **Transaction status** field in the **Netting Inquiry** screen.

In the Netting Inquiry screen, Delinked Flag has been introduced to show the receivables and payables associated to the netting transactions for a Corporate that are delinked due to rejection/delinking by the counterparty/other subsidiary.

### Enhancements in Create Charge Decisioning Screen

Addition of drop-down values for **Instrument Status** field in the **Create Charge Decisioning** screen for Receivables and Payables module.

### Netting Transaction Status portlet is added in Dashboard

The Netting Transaction Status portlet is added in dashboard to give an overview of all netting transactions, categorized by the current status. The following are the list of netting transaction status.

- **Awaiting Acceptance**
- **Awaiting Settlement**
- **Corporate to Sub center**
- **Corporate to Global Netting Center**
- **Sub Center to Global Netting Center**
- **Sub Center to Corporate**
- **Global Netting Center to Sub Center**
- **Global Netting Center to Corporate**

### Enhancement in EOD Jobs

New batch jobs are configured in the EoD batch.

### Batch Job for Allocation handoff

Batch hand off job is available in Trigger Task UI for running batch handoff to virtual account management system.

### UI Enhancements System parameters

The following UI enhancements are performed in the **System Parameters** screen:

- The **Allow Cashflow ML** flag is moved from the Receivables and Payables module to Cash Management.
- The **Transaction History Days – Cashflows** field is moved from the Receivables and Payables module to Cash Management.

The **Review Channel Request** toggle is introduced in **Cash Management Collection** module under workflow parameter tab in system parameter screen to enable review of transactions initiated from channel.

A new **System Parameters** maintenance screen has been introduced to view and modify the day zero parameters for Cash Management and Receivables & Payables application.

Receivables and Payables > System Parameters > View System Parameters.

Cash Management > System Parameters > View System Parameters.

The following tabs are introduced for the respective application:

- Cash Management
  - Workflow Parameters
  - Integration Parameters
  - Application Parameters
- Receivables & Payables
  - Workflow Parameters
  - Dashboard Parameters
  - Integration Parameters
  - Application Parameters
  - Feature Activation

#### Enhancement in Multi bank cashflow visibility

Cash Flow Forecasting in Cash Management is enhanced to enable the users to forecast the future cash flows based on expected cash inflows and outflows that can be from different sources. Also, users can view their aggregated cash balances across banks, entities, locations, currencies and accounts.

#### Enhancement in all Maintenance and Audit Screens

The additional details like branch of the record, maker and checker comments, audit history of the modifications, calendar time and UTC time details are introduced to all Maintenance Screens and Audit Screens.

#### Cashflow File upload Enhancements

As part of this release, File upload is enhanced to support upload of cashflow transactions from external bank / bank accounts. Real Bank Account number is mandatory in File Upload and fields such as BIC, Real account , Virtual Account and Own Flag cannot be edited. A New Flag will be introduced **Own Bank** which will have value Y or N or Null to indicate the bank account is comes from own bank or external bank.

## 1.2.2 Non-Functional Features

This topic provides the information about the non-functional features changes added in this release.

#### Kafka for Netting

Kafka is available for Netting module: Netting Structure ,and Netting Transactions both are KAFKA enabled.

## Kafka Resilience Configuration

As part of Kafka resilience and fault tolerance setup for an on-prem environment, configuration had been done to establish a new Kafka cluster with three brokers using latest kafka version. Resilience properties were configured at both the Kafka brokers and the producer/consumer services to automatically recreate Kafka topics with appropriate resilience settings, such as a replication factor of 3 and a minimum of 2 in-sync replicas.

## Redwood Theme Adaption

The Oracle Redwood user experience has been implemented across all the screens in the Oracle Banking Cash Management app shell to provide a consistent and effective user experience to drive efficiency.

This implementation does not affect any functionality. A few more details are listed below as Redwood comes into play:

1. Oracle JET class has been deprecated.
2. Inline styling in HTML has been deprecated.
3. CSS utility classes are being used on the component level instead of Custom classes for font size, font-color, padding, margin, bg-color, heading, etc.
4. Images are no longer used for icons.
5. Libraries like lux, moment js, math js, jszip, and timsort are deprecated.

## Coherence Cache

Oracle Banking Cash Management now supports Coherence. Coherence stores frequently accessed data as serialized key-value pairs for a fast read, write, and query operations to achieve maximum application performance and stability.

The use cases for coherence in domain services include replacing REST API calls to common core services with coherence wrapper methods, replacing Spring caches and new methods to cache processed data.

Refer **Oracle Banking Microservices Architecture Installation Guide** for the detailed explanation on Coherence implementation with plato-coherence-server.

## UI Extensibility to extend to all Inquiry screens

Oracle Banking Cash Management now supports the UI extensibility for all Inquiry screens.

## Common Entities Length Changes

- As part of standardization Common Entities length has been increased, details of which are as follows.

S No	Entity	Old Length	New Length
1	Branch Code	VARCHAR2(3)	VARCHAR2(6)
2	User ID	VARCHAR2(12)	VARCHAR2(320)
3	Customer Name	VARCHAR2(35)	VARCHAR2(140)
4	Account Number	VARCHAR2(20)	VARCHAR2(34)
5	Account Description	VARCHAR2(105)	VARCHAR2(140)

## 1.2.3 Technical Changes

This topic provides the information about the technical changes added in this release.

- **Integration with Oracle Banking Accounts:** Oracle Banking Cash management is now integrated with Oracle Banking Accounts as another DDA system to create/cancel ECA block in transaction as part of accounting entries. It also supports to post accounting entries to Oracle Banking Accounts once the transaction is authorized and reverse the accounting entries in case the transaction is rolled back.
- **Netting Kafka Enhancement:** Netting Structures data and the life cycle data of Netting transactions including eligibility, acceptance, rejection, settlement, and payout information, is published on Kafka and is consumed and stored in the reporting database.
- **Enable Log Archival:**
  - For log archival check if the service and user logs are getting archived.
    - \* When the log size becomes larger than the specified in the `plato.service.logging.rolling.maxSize` or when the next day is started the previous day logs get archived.
    - \* If no `plato.service.logging.rolling.maxSize` is specified in the -D params by default value of 50 MB should be picked for archival of logs.
  - For `plato.service.logging.level`: **-ERROR** if the `plato.service.logging.level` is not define in -D params then by default the ERROR value should be picked.
- **SMS-RBAC Changes:** The RBAC check has been moved from service level to `plato-api-gateway` level which is the single entry-point of the application. With this implementation, interservice calls will also no longer need to perform RBAC checks. This will reduce performance overhead.
- Ojet is upgraded to v17.0.4.
- Oracle Database 19c Enterprise Edition Release is upgraded to 19.26.0.0.0.
- Oracle Coherence with version 14.1.2.0.0 and Conductor version 3.15.0.
- Deployment of 14.8.0 binaries to be done on Java Runtime 17.0.12.
- Api-gateway Update: Zuul is replaced with `spring-cloud-gateway`, and Spring Oauth version updated.
- Zookeeper version 3.6.3 is embedded with Kafka version 2.13-3.8.0.

## 1.3 Deprecated Features

This topic provides the information on the features deprecated from the product in this release.

Not Applicable

# 2

## Components of the Software

This topic provides the information on the components of the software.

### **Documents Accompanying the Software**

The various documents accompanying the software are as follows:

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

### **Software Components**

Software Components of Oracle Banking Cash Management 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

# A

## Environment Details

This topic describes about Tech Stack details of Oracle Banking Cash Management.

### Tech Stack – Oracle Banking Cash Management

**Table A-1 Tech Stack – Oracle Banking Cash Management**

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Cash Management	Single Instance Standalone	Application Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server	14.1.2.0.0 + Patch **37439198
				Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 17.0.12+
				Oracle Coherence	14.1.2.0.0
				Conductor	3.15.0
		Database Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle Database 19c Enterprise Edition Release 19.26.0.0.0	19.26.0.0.0
		Message Broker	Oracle Linux Server 8.7 (x86 64 Bit)	Apache Kafka	2.13-3.8.0
		End User Machine(s)		Apple Safari	Apple Safari(17+)
				Google Chrome	Google Chrome Release (Version 131+)
				Microsoft Edge	Microsoft Edge(131+)
				Mozilla Firefox	Mozilla Firefox(132+)

- **\*\*37439198** - WLS PATCH SET UPDATE to 14.1.2.0.0+



#### Note:

Oracle Applications are developed and tested on Oracle Linux, which is optimized for performance, stability and security



**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 11 and Mac OS.

**Note:**

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>

**Table A-2 UI Stack**

Software Type	Recommended Software	Version Number
UI	Oracle JET	v17.0.4

# B

## Third-Party Software

This topic describes about the license information for third-party software.

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

<https://docs.oracle.com/en/industries/financial-services/banking-cash-management/index.html>