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Financial Services

Product Release Notes

Oracle Banking Cash Management

Release 14.6.1.0.0

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Oracle Banking Cash Management
Product Release Note
August 2022
Version 14.6.1.0.0

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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 14.6.1.0.0 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
GL	General Ledger
CASA	Current Account Saving Account

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1.4 <u>Product Summary</u>

Oracle Banking Cash Management Release 14.6.1.0.0 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 <u>Release Highlights</u>

The key highlight of the Oracle Banking Cash Management 14.6.1.0.0 release is to incorporate new functionality and enhancements required to provide cutting-edge technology to the cash management industry.

Functional:

- Placeholder for Debit/Credit Notes in Database for including/excluding in reconciliation

- Placeholder for Debit/Credit Notes in File Upload and Service API for including/excluding in reconciliation

- Provision to select between real and virtual credit account when marking instrument status

- KAFKA event trigger on instrument status change through Instrument Management

- Refreshing of Deposit Slip Details segment during creation of Deposit Entry

- Introduction of the Reject option for the Checker

- Total Settlement Tranche Count and Tranche Average pay gap set to zero

Non-Functional:

- Weekly frequency data changes in Cash Flow Forecasting

- Addition of Transaction Status option in Add/Remove columns list, in Cashflow Inquiry

- Time stamp added for ML Prediction in result table

Integration:

- Omission of cashflow-payment reconciliation when cashflow record is created based on invoice

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2. Release Enhancements

2.1 Functional Features

2.1.1 Placeholder for Debit/Credit Notes in Database for including/excluding in reconciliation

Debit and credit notes that are created directly in the application, are now included in cashflow forecasting. A flag or placeholder has been introduced in the database that indicates whether a newly created debit/credit note, which is consumed for cashflow forecasting, must be reconciled or not. This is applicable for manual, automatic or both options of reconciliation. The name of the flag is 'Not to be directly Reconciled'. If this flag is set to 'Y', then the debit/credit note must NOT be picked up for reconciliation. And if set to 'N' or 'Null', then the debit/credit note must be picked up for reconciliation.

2.1.2 Placeholder for Debit/Credit Notes in File Upload and Service API for including/excluding in reconciliation

Debit and credit notes that are created though file upload or service API, are now included in cashflow forecasting. A flag or placeholder has been introduced in the database that indicates whether a newly created debit/credit note, which is consumed for cashflow forecasting, must be reconciled or not. This is applicable for manual, automatic or both options of reconciliation. The name of the flag is 'Not to be directly Reconciled'. If this flag is set to 'Y', then the debit/credit note must NOT be picked up for reconciliation. And if set to 'N' or 'Null', then the debit/credit note must be picked up for reconciliation.

2.1.3 Provision to select between real and virtual credit account when marking instrument status

When marking instrument status, in the *Instrument Management > Mark Instrument Status* screen, a provision has been made to enable selection of either real or virtual option for credit account number. For this purpose, a new field called *Account Type* with two radio buttons: *Real* and *Virtual*, has been introduced. This field is available in the pop-up screen which appears on clicking search in the *Credit Account Number* field. Based on requirement, the user can either select the 'Real' option or the 'Virtual' option, when searching for credit account number.

2.1.4 KAFKA event trigger on instrument status change through Instrument Management

Whenever the status of an instrument is changed through the *Instrument Management* screen, KAFKA will trigger and send updates to the Instrument Collection reporting schema.

2.1.5 Refreshing of Deposit Slip Details segment during creation of Deposit Entry

In the *Cash Transaction > Deposit Entry > Deposit Slip Detail* segment, on searching for an external reference number, the deposit slip associated with that reference number is displayed in the left-hand pane. When the deposit slip in the left-hand pane is clicked, its details appear in the right-hand pane. On clicking the delete icon beside the deposit slip in the left-hand pane, the right-hand pane will now refresh and be available for creation of a new deposit slip.

Similarly, when the external reference number is searched, and the associated deposit slip is displayed in the left-hand pane, on clicking the delete icon directly without clicking on the deposit slip, the right-hand pane will now refresh and be available for creation of a new deposit slip.

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2.1.6 Introduction of the Reject option for the Checker

Along with the Approve option, there is now a Reject option available to a Checker (Approver). Once the Checker rejects a record, there is a provision to enter relevant comments for the rejection. The record is then available to the Maker for modification/updating.

This feature is now available for the following modules:

- Arrangement Definition
- Arrangement Decisioning
- Cash Denomination
- Cashflow Maintenance
- Courier Setup
- Corporate Enrichment
- Location
- Location Cluster
- Product
- Vault Maintenance

The View screens in the above modules have also been enhanced to display the number of submissions made by the Maker in the specific record tile.

2.1.7 Total Settlement Tranche Count and Tranche Average pay gap set to zero

The values of getTotalSettleTrancheCount and result.getTrancheAvgPayGap() should be greater than 0. If a negative value appears, it is replaced with 0. This is required to ensure that negative tranche count and negative average pay gap is handled logically.

2.2 Non-Functional Features

2.2.1 Weekly frequency data changes in Cash Flow Forecasting

The cashflow data for weekly frequency now stores the start and end dates for each week.

2.2.2 Addition of Transaction Status option in 'Add/Remove columns' list, in Cashflow Inquiry

In the *Cashflow Inquiry* screen, in the grid where the cashflow search results are displayed, a new option has been added to the 'Add/Remove columns' list, called 'Transaction Status'. This has been added in alphabetical order. The user can now click on the 'Add/Remove columns' icon, and select this option to be viewed in the grid.

2.2.3 Time stamp added for ML Prediction in result table

Initially, only the Date of running the batch job was being stored in the results table; this has now been enhanced to store the time stamp as well. This is required as the job can run multiple times in the day.

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2.3 <u>Integration</u>

2.3.1 <u>Omission of cashflow-payment reconciliation when cashflow record is created based on invoice</u>

The cashflow record creation API will now be called whenever a new invoice or debit note is created in the Supply Chain Finance application (if one is integrated), if the value of flag 'Create Cashflow from Invoice' is set to 'Y'. In addition, such cashflow records will not be considered for reconciliation (both manual and auto) with payments, if the flag 'Not to be directly Reconciled' is set to 'Y'.

2.4 <u>Platform Changes</u>

- NA

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3. Deprecated Functionality

NA

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4. Patches and Bugs

Bug Id	Bug Description	Fix Description

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5. Security Fixes

NA

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6. Limitations and Open issues

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

Bug Id	Bug Description

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7. Components of the Software

7.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Notes

- User Manuals and Installation manuals

7.2 Software Components

Software Components of OBCM 14.6.1.0.0 that form part of this release are as follows:

- Core

  o UI Components (Knockout, OJET, Lux)

  o The Swagger / YAML for the services supported

  o Configuration files for the services

  o Service Components

  o Tables, Sequences, Static Data

- Installation utilities

  o Installation documents for Database, UI, Web services

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8. Annexure – A: Environment Details

Oracle Banking Cash Management			
Application Server	Oracle Enterprise Linux Server Release 8.3 (x86 64 Bit)	Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 321 & JDK 11.0.14
		Oracle WebLogic Server	14.1.1.0.0 **Patch 32077936*
Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.14.0.0.0 (19c)
Client Machines#		Mozilla Firefox	87+
		Google Chrome	88+
		Microsoft Edge	89+
		Apple Safari	14+
Message Broker	Apache Kafka	ALL	2.13-2.8.1
	Apache Zookeeper	ALL	3.6.2

Note:

- **Patch 32077936: JSF APPLICATION RESPONSE ISSUE FOR HTTPS PROTOCOL WHEN HTTP2 IS ENABLED.
- 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.

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9. Annexure – B: Third Party Software Details

Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
1	QOS.ch	59317	jul-to-slf4j	1.7.30	109608
2	Marco Ziccardi	35513	Node-TimSort	0.3.0	109785
3	Steven Sanderson	51996	Knockout.js	3.5.0	109793
4	Olli-Pekka Heinisuo	61297	opencv-python	4.3.0.36	84688
5	The Apache Software Foundation	61806	OpenNLP-tools	1.9.3	85908
6	Boxfuse GmbH	61597	flyway-core	6.5.5	86517
7	FasterXML, LLC	61527	jackson-jaxrs-json-provider	2.11.2	86519
8	Eclipse Foundation	59202	EclipseLink	2.7.7	86580
9	jsonwebtoken.io	60118	jjwt	0.11.2	86581
10	SmartBear Software	60156	swagger-annotations	1.6.2	86668
11	Jonathan Halterman	59507	modelmapper	2.3.8	86669
12	Zaxxer.com	59481	HikariCP	3.4.5	86719
13	Pivotal Software, Inc	61593	spring-cloud-stream-binder-kafka	3.0.8.RELEASE	86720
14	JSON.org	60616	JSON	20200518	86802
15	Pivotal, Inc.	61216	Spring Boot	2.3.3.RELEASE	86910
16	Pivotal Software, Inc	61592	spring-cloud-stream	3.0.8.RELEASE	86999
17	QOS.ch	61711	log4j-over-slf4j	1.7.30	87045
18	Apache Software Foundation	59221	Apache FOP	2.5	87059
19	Pivotal Software, Inc	62387	Spring Cloud Sleuth	2.2.5.RELEASE	87147
20	The Apache Software Foundation	62389	ZooKeeper	3.6.2	87164
21	Kalle Stenflo	59742	JsonPath	2.4.0-1ed1ea0	87401
22	JS Foundation and other contributors	58838	jQuery	3.5.1	87532
23	SmartBear Software	62548	swagger-parser	2.0.22	87550

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
24	The Apache Software Foundation	62632	camel-core	3.5.0	87752
25	Alec Koumjian	62697	datefinder	0.7.1	87889
26	Pivotal Software, Inc	62702	spring-cloud-config-client	2.2.5.RELEASE	87897
27	Pivotal Software, Inc	62705	spring-cloud-config-server	2.2.5.RELEASE	87899
28	Pivotal Software, Inc	62706	spring-cloud-starter-config	2.2.5.RELEASE	87900
29	Pivotal Software	62708	spring-cloud-netflix-core	2.2.5.RELEASE	87901
30	The Apache Software Foundation	62730	spring-cloud-starter-netflix-zuul	2.2.5.RELEASE	87944
31	The Apache Software Foundation	62732	spring-cloud-netflix-eureka-client	2.2.5.RELEASE	87947
32	The Apache Software Foundation	62727	spring-cloud-starter-netflix-eureka-client	2.2.5.RELEASE	87948
33	NumPy Developers	78285	Numpy	1.22.2	119534
34	Alex Clark and contributors	78379	Pillow	9.0.1	119300
35	Jason R. Coombs, Barry Warsaw	80097	importlib-metadata	4.11.2	119622
36	The Apache Software Foundation	62793	camel-cxf	3.5.0	88107
37	The Apache Software Foundation	62794	camel-resilience4j	3.5.0	88108
38	The Apache Software Foundation	62141	Commons IO	2.8.0	88241
39	The Apache Software Foundation	62725	spring-cloud-starter-netflix-eureka-server	2.2.5.RELEASE	88488
40	The Apache Software Foundation	62973	spring-cloud-netflix-eureka-server	2.2.5.RELEASE	88509
41	Project Lombok	62966	Lombok	1.18.16	90843
42	SmartBear Software	64411	swagger-ui	3.39.0	91487
43	MapStruct Authors	67120	mapstruct	1.4.2.Final	95329
44	Google	64214	Tesseract	4.1.1	95479

Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
45	Vladimir Goncharov	67226	pyap	0.3.1	95480
46	Oracle	61232	JavaScript Extension Toolkit (JET)	9.1.0	96367
47	VMware	67360	micrometer-registry-prometheus	1.6.4	96451
48	OpenJS Foundation	67576	lodash	4.17.21	104985
49	Jason R. Coombs	79451	configparser	5.2.0	118362
50	The Apache Software Foundation	71860	PDFBox	2.0.24	103589
51	The Apache Software Foundation	62385	HttpComponents HttpClient	4.5.13	109610
52	Saxonica Limited	73656	Saxon-HE	10.5	106703
53	The Apache Software Foundation	53857	cglib	3.3.0	109776
54	josdejong	51995	math.js	5.9.0	109790
55	The Apache Software Foundation	49220	Commons FileUpload	1.4	109779
56	FasterXML, LLC	77722	jackson-dataformat-xml	2.13.1	115440
57	Chef	74474	Oracle Replacement Configurator (ORC)	16.13.16	117501
58	Schibsted Marketplaces Products & Technology As	80021	jslt	0.1.11	119440
59	Adam Hupp	80062	python-magic	0.4.25	119530
60	Python Software Foundation	74350	python-dateutil	2.8.2	119525
61	QR Capital Management, LLC, Lambda Foundry, Inc. and PyData Development Team	78736	Pandas	1.4.1	119623
62	Scrapinghub	80095	dateparser	1.1.0	119619
63	scikit-learn developers	78074	scikit-learn	1.0.2	119624
64	Edouard Belval	79856	pdf2image	1.16.0	119301
65	Pivotal Software	80416	spring-batch-integration	4.3.5	120055

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
66	The Netty Project	77435	netty-transport-native-epoll	4.1.72.Final	115262
67	The Netty Project	77098	netty-codec-http	4.1.72.Final	116376
68	QOS.ch	79864	jcl-over-slf4j	1.7.36	119133
69	Matthias Lee	79679	pytesseract	0.3.9	118752
70	The Apache Software Foundation	77256	Avro for Java	1.11.0	118741
71	Pivotal, Inc.	72374	spring-security-oauth2	2.5.1	115904
72	Apache Software Foundation	79866	tika-core	1.28.1	119136
73	Benjamin Peterson	71336	six	1.16.0	119532
74	The Pallets Team	79419	Flask	2.0.3	118360
75	Pivotal Software, Inc	74057	spring-security-saml2-service-provider	5.5.1	107584
76	Netflix	80005	Conductor	3.5.2	119416
77	Apache 2.0	78091	shedlock-provider-jdbc-template	4.30.0	116182
78	Google	63149	Guava	30	109707
79	The Apache Software Foundation	78505	Commons CSV	1.9.0	119498
80	Stuart Knightley et. al	51994	JSZip	3.2.1	109787
81	The Apache Software Foundation	71044	velocity-engine-core	2.3	114542
82	jsoup.org	75717	jsoup	1.14.3	114382
83	Python Software Foundation	71112	Python	3.9.5	117355
84	Joe Walnes	73846	XStream	1.4.18	115267
85	Matthieu Darbois	79452	pybase64	1.2.1	118363
86	The Apache Software Foundation	77328	velocity-tools-generic	3.1	114544
87	Michael Mclaughlin	78430	bignumber.js	9.0.2	116696
88	Tim Wood, Iskren Chernev, Moment.js contributors	80691	Moment.js	2.29.2	120937
89	Pivotal, Inc.	72546	spring-security-config	5.5.1	120780
90	Google	79781	GSON	2.9.0	119139

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
91	Zalando SE	79675	connexion	2.12.0	118749
92	Apache 2.0	78089	shedlock-spring	4.30.0	116185
93	Eclipse Foundation	58484	Eclipse Yasson	1.0.6	109709
94	The Apache Software Foundation	78236	POI	5.2.0	118139
95	The Apache Software Foundation	75480	Kafka	2.8.1	119497
96	Pivotal, Inc.	72544	spring-security-core	5.5.1	120783
97	The Apache Software Foundation	76333	Ant	1.10.12	116261
98	Pivotal, Inc.	72547	spring-security-web	5.5.1	120781
99	Eclipse Foundation	72504	Jakarta Mail	2.0.1	117187
100	The Apache Software Foundation	77662	XMLBeans	5.0.3	121106
101	The Apache Software Foundation	77682	ant-launcher	1.10.12	121181
102	Pivotal Software, Inc	80167	spring-security-ldap	5.5.1	120513
103	Pivotal Software, Inc	80168	spring-security-crypto	5.5.1	119717
104	FasterXML, LLC	77718	jackson-dataformat-cbor	2.13.1	115437
105	Quan Nguyen	68626	tess4j	4.5.4	98076

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