Product Release Notes

Oracle Banking Supply Chain Finance

Release 14.5.5.0.0

Part No. F58734-01

May 2022

Oracle Banking Supply Chain Finance
Product Release Note
[May] [2022]
Version 14.5.5.0.0

Contents

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1. Release Notes

1.1 Background / Environment

Oracle Financial Services Software Limited has developed Oracle Banking Supply Chain Finance solution. It is a comprehensive, digitized end-to-end solution that supports the full lifecycle of supply chain finance and factoring across receivables and payables offering supplier centric financing and buyer centric financing. The solution addresses each of the supply chain processes from design through execution thereby enabling banks to optimize the working capital and supply chain operations of their corporate customers. 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.

1.2 Purpose

The purpose of this document is to highlight the functionalities included in the Oracle Banking Supply Chain Finance 14.5.5.0.0 release.

1.3 Abbreviations

Abbreviation	Detailed Description
OBSCF	Oracle Banking Supply Chain Finance
API	Application Programming Interface
UI	User Interface
EOD	End of Day

1.4 Product Summary

Oracle Banking Supply Chain Finance Release 14.5.5.0.0 is enhanced to meet various challenges faced by financial institutions. It addresses each of the supply chain 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 this release is to release new functionalities and enhancements made in the existing features with 14.5.5.0.0 version, required for supply chain finance industry with the cutting-edge technology.

Functional:

- Interest Enhancements: Slab based spread for Interest, Penalty on Principal, Penalty on Interest.

- Alert Enhancements:

  - Alert Definition: Additional LOVs for the 'Limit' category.

- Accounting entries changes in settlement for NPA Regularization.

- Inquiries:

  - Finance: Enhanced UI with Finance/Payment Status, and Interest Refund Amount.

  - Payment: Displaying the rule with which the auto-recon is processed.

- Outgoing FCI Message 9 Support, and Order Form Upload to support initiation of Islamic Finance.

Integrations:

- Updated APIs:

  - API enhancements for Accounting and Charges data segments.

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2. Release Enhancements

2.1 Functional Features

2.1.1 Interest Enhancements

2.1.1.1 Slab based spread for Interest, Penalty on Principal, Penalty on Interest

As part of this release, the 'Rate' and 'Spread' are shown (on main UI) for all three components only when the tier-based spread is set as 'No'.

- A rule with spread application as 'Slab Based' is not allowed to be mapped to a filter value in interest decisioning wherein interest collection type is 'front end'.

2.1.2 Alert Enhancements

2.1.2.1 Alert Definition

As a part of this release, the Alert Definition screen is enhanced. Based on the category, when the value is selected as 'Limits', below additional LOVs are displayed on the screen:

- Is Root Entity
- Limit Party Type

2.1.3 NPA Regularization Accounting Entries

As a part of this release, the account is regularized if the entire outstanding amount is repaid after an account becomes NPA. 'Is NPA' toggle switch is provided in the 'Accounting Entry' screen which enables different account entries for NPA regularization during settlement.

2.1.4 Inquiries

2.1.4.1 Finance Inquiry

As a part of this release, the 'Finance Inquiry' screen has been enhanced with below UI changes:

- The 'Finance Status' column is renamed as 'Finance/Payment Status' and will provide information on both finance and payment statuses.
- Interest Refund Amount: Displays the refund amount of interest in the grid.

2.1.4.2 Payment Inquiry

As a part of this release, the 'Payment Inquiry' screen has been enhanced to display the rule with which the auto-recon is processed. Below fields are added in the Payment Inquiry screen to cater to the functionality:

- Manual recon or Auto Recon
- Rule description and Rule condition

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2.1.5 Outgoing FCI Message 9 Support

Following screen are enhanced to cater the outgoing FCI message 9 and file upload of invoices is also enhanced to include additional fields required for generation of FCI message 9.

- Program Parameters Maintenance

- Receivables and Payables Management

2.1.6 Order Form Upload to support initiation of Islamic Finance

- New instrument 'Order Form' added to the system.

- Data for order form can be uploaded via File Upload.

2.2 Integrations

2.2.1 API Enhancements

- API enhancements for Accounting and Charges data segments.

2.3 Platform Changes

NA

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3. Patches and Resolved Bugs

BugID	Bug Description
33909987	If external account mapping is not done, then payment is skipped.
33928383	Pre-EOD is completed without validating for pending transactions.
33943723	Too many parsing alerts writing database alert logs.
33951692	Receivable's inquiry screen - not able to view the invoice details in this screen.
33960819	After applying Feb patchset, finance txn. is going to auto finance exception and entries not passed.
33967558	Error during unlock and save of program if there is data with more than one matching values.
33979313	Duplicate records are showed in receivables inquiry screen.
33979297	Relationship maintenance upload allows same id as both corporate and counterparty-modify issue.
33992036	While modifying the program adding new spoke, system shows error 'GCS-MOD-008: Failed to Update the record.'
33990598	Only 'View' action is displayed to the maker.
34006656	Not able to download the uploaded file in file management.
34016915	Anchor and spoke are interchanged/swapped in summary screen of finance disbursement/inquiry.
34030532	System is not validating the dates maintained in relationship maintenance during program.
34038196	Spoke id and spoke name search is not working in program parameters.
34022090	Interest amount showing as zero under disbursement accounting entries.
34086296	Interest rate decisioning - both penalty on principal and penalty on interest is mandatory.

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BugID	Bug Description
34061601	Disbursement is going through even without internal account mapping in OBSCF.

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4.   Security Fixes

NA

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5. Limitations and Open issues

5.1   Limitations and open issues

BugID	Bug Description
34282215	In IPR, when multiple payments on multiple invoices are mapped to same finance and when multiple/bulk payment is uploaded in system for reconciliation, few finances remain unsettled.

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6. Components of the Software

6.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Notes

- User Manuals and Installation manuals

6.2 Software Components

Software Components of OBSCF 14.5.5.0.0 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

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7. Annexure – A: Environment Details

Oracle Banking Supply Chain Finance			
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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8. 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
24	The Apache Software Foundation	62632	camel-core	3.5.0	87752

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
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
45	Vladimir Goncharov	67226	pyap	0.3.1	95480

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
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
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

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
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
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

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Sr No	Copyright Holder	Licensed Item ID	Licensed Item Name	Licensed Item Version	BA ID
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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