

Release Notes  
Oracle Banking Electronic Data Exchange for Corporates  
Release 14.5.3.0.0

Part No. F50162-01

November 2021

Release Notes  
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# 1. INTRODUCTION

'Oracle Banking Electronic Data Exchange for Corporates' is a holistic solution for orchestrating high volume data files across bank's portal and product processors once received by the financial institutions from their corporate clients.

Apart from data orchestration capabilities, Oracle Banking Electronic Data Exchange for Corporates provides the mechanism to send acknowledgments and responses to the corporates at various stages of the file processing. The detailed file enquiry feature of the product provides the file/record status, error encountered and the pending statuses of the file to the bank user.

Electronic Data Exchange comes pre-integrated with Oracle Digital Banking Experience (internet/channel banking product) and facilitates the approval of files on channel banking, if the corporate wishes to.

Oracle Banking Electronic Data Exchange for corporates is introduced to meet various challenges faced by financial institutions in the Corporate Banking segment in processing bulk data.

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## 2. RELEASE HIGHLIGHT

The key highlight of the release:

### 2.1 Limits validation

A new functionality is introduced to validate Limits on files uploaded by a corporate. Bank user, while setting up the 'Corporate Preference' for a corporate, can enable limits validation for the files received for the Corporate. This is an optional step and is required if a corporate needs to limit the files or records uploaded through host to host channel.

The application allows the bank user to set up maximum number of files or records which can be processed for a corporate during a day. For Financial transactions, bank can also restrict the maximum amount a file or individual record can have as well as cumulative amount for a day.

### 2.2 Record Level Approval

Handoff generation process is enhanced to support record level approvals. The handoffs to Product Processors can now be generated in batches based on record-level approvals in the channel. File life cycle inquiry has also been enhanced to support display of record level approval status and approval hierarchies for each record.

### 2.3 Correlating Multiple Response File

Correlation process is enhanced to support multiple responses for a file from the downstream product processor. The corporate is also sent a status file each time there is a change in the status of the records, thus providing a complete life cycle view of the transaction during processing.

### 2.4 File Inquiry

A summarized and detailed file level inquiry has been provided to enable bank user to view all the details of files received for processing along with its processing status.

File life cycle inquiry has been enhanced to provide a better view of files, enabling the bank users to track the file end to end and provide better customer support in case of any issues.

Application will display Approver details along with the timestamp for every records that pass through the channel approval in a hierarchy.

### 2.5 Integration with OBPM

Oracle Banking Electronics Data Exchange for Corporates is integrated with Oracle Banking Payments for payment files processing.

Oracle Banking Electronics Data Exchange for Corporates parses and performs customer level preference validations on the bulk file received by the corporate in pain.001 format and sends the handoff to Oracle Banking Payments for further processing. Handoff response received from Oracle Banking Payments in pain.002.001.06 can also be parsed and reconciled for generating response/status file for Corporates.

## 3. FEATURES

### 3.1 File Inquiry

#### 3.1.1 File Inquiry

Oracle Banking Electronic Data Exchange for Corporates provides a summarized and detailed inquiry screen to view the files that have been received for processing.

All stages of the file - previous, current and pending - are available on this screen.

Along with the status of the file, any errors encountered during the file lifecycle are also available on this screen. Screen provides a detailed information about the ACKs/NACKs sent, channel approval status, de-dupe and reconciliation status of individual record. Screen also provides an option to download the ACK/NACK response, handoff files and response file.

In case of channel approval, Application displays the approver details for every record in approval hierarchy with Approver name and Timestamp.

#### Summarized View:

ORACLE

Dashboard

Shihpai Branch (004)

Apr 23, 2021

OBEDXMAKER

OBEDXMAKER@oracle.com

File Inquiry

Reference No & Upload Date	Corporate Id & Alias Name	Corporate Name	File Name	Format ID	Transaction Details	Current Status
50 25 Apr 2021, 10:37:00 AM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130002	MTI01 Incoming	Payment Financial	Transaction Duplge Check Completed 25 Apr 2021, 10:37:26 AM
49 23 Apr 2021, 08:28:00 PM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130001	MTI01 Incoming	Payment Financial	Transaction Duplge Check Completed 24 Apr 2021, 08:28:34 PM
47 23 Apr 2021, 07:55:32 PM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130000	MTI01 Incoming	Payment Financial	Transaction Duplge Check Completed 24 Apr 2021, 07:56:05 PM
90 23 Apr 2021, 05:30:00 AM	6 Apple	Customer6	IFT_PAIN002	MTI01 Incoming	Payment Financial	File Reception Completed 25 Nov 2020, 05:30:00 AM
98 23 Apr 2021, 05:30:00 AM	6 Apple	Customer6	IFT_PAIN002	MTI01 Incoming	Payment Financial	File Name Check Completed 24 Nov 2020, 05:30:00 AM
96 23 Apr 2021, 05:30:00 AM	6 Apple	Customer6	IFT_PAIN002	MTI01 Incoming	Payment Financial	File Reception Completed 25 Nov 2020, 05:30:00 AM
92 23 Apr 2021, 05:30:00 AM	6 Apple	Customer6	IFT_PAIN002	MTI01 Incoming	Payment Financial	File Name Check Completed 24 Nov 2020, 05:30:00 AM
93 24 Mar 2021, 05:30:00 AM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130001	MTI01 Incoming	Payment Financial	File Name Check Completed 24 Mar 2021, 05:30:00 AM
95 24 Mar 2021, 05:30:00 AM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130000	MTI01 Incoming	Payment Financial	Pre Parsing Check Completed 24 Mar 2021, 05:30:00 AM
94 24 Mar 2021, 05:30:00 AM	1 Walmart	Customer1	Walmart_MTI01_IPT_240421130000	MTI01 Incoming	Payment Financial	Pre Parsing Check Completed 24 Mar 2021, 05:30:00 AM

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## Detailed View:

Dashboard

(DEFAULTCURRENCY)
 Shingai Branch (004)  
Oct 8, 2021
 ARJUN  
ARJUN@oracle.com

File Inquiry

Back

✓

Received  
27 Nov 2021, 02:45:30 PM

✓

Parsed  
27 Nov 2021, 02:45:33 PM

✓

Verified  
27 Nov 2021, 02:45:36 PM

✓

Corporate Approved  
27 Nov 2021, 02:49:54 PM

✓

Handoff Generated  
27 Nov 2021, 02:49:59 PM

✓

Response Received  
27 Nov 2021, 02:50:37 PM

✓

Response Sent to Corporate  
27 Nov 2021, 02:50:40 PM

Stage Details: Response Sent to Corporate as on 27 Nov 2021, 02:49:54 PM

Response Sent to Corporate  
Completed  
as on 27 Nov 2021, 02:49:54 PM

Ack/ Nack/ Response Status

Response Type	File Name	Date	Channel	Status	Action
RESPONSE_FILE	AUTOM_PAIND02_Domestic_20211129084306	27 Nov 2021, 02:13:06 PM	AutoCorpOutgoing	Response Sent To Corporate	

File Details

Download File

File Reference Number 453	Corporate ID 000462	Alias Name Mic	Corporate Name Mic Inc
File Name Mic_PAIND01V6_Domestic_20211127000024	Upload Date 27 Nov 2021, 02:45:30 PM	Format ID PAIND01V6	Direction Incoming-External
Transaction Category Payment <span>Financial</span>	Transaction Name Domestic	Number of Transactions 10	File Size 9.43 (KB)
Channel Incoming Channel 1	Message Id MICS0335928P807H175511		

Record Details

Record Reference Number	Payment Reference Number	Value Date	Amount	Debit Account Number	Credit Account Number	Beneficiary Name	Record Status	Channel Approval
342219	316413452818000894	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Response Sent To Corporate	<a href="#">Details</a>
346299	316413452818000898	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Response Sent To Corporate	<a href="#">Details</a>
345279	316413452818000896	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Response Sent To Corporate	<a href="#">Details</a>
345789	316413452818000899	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Response Sent To Corporate	<a href="#">Details</a>
343239	316413452818000895	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Response Sent To Corporate	<a href="#">Details</a>
342729	316413452818000891	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Response Sent To Corporate	<a href="#">Details</a>
344769	316413452818000900	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Response Sent To Corporate	<a href="#">Details</a>
346809	316413452818000897	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Response Sent To Corporate	<a href="#">Details</a>
343749	316413452818000893	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Response Sent To Corporate	<a href="#">Details</a>
344259	316413452818000892	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Response Sent To Corporate	<a href="#">Details</a>

Page 1 of 1 ( 1 - 10 of 10 items )

## Channel Approval Journey:

ORACLE

Dashboard

( DEFAULTTENTITY )

Shingal Branch ( 004 )  
Oct 6, 2021

ARJUN  
ARJUN@oracle.com

File Inquiry

Back

✓

Received  
27 Nov 2021, 02:45:30 PM

✓

Parsed  
27 Nov 2021, 02:45:33 PM

✓

Verified  
27 Nov 2021, 02:45:36 PM

✓

Corporate Approved  
27 Nov 2021, 02:49:54 PM

✓

Handoff Generated  
27 Nov 2021, 02:49:59 PM

✓

Response Received  
27 Nov 2021, 02:50:37 PM

✓

Response Sent to Corporate  
27 Nov 2021, 02:50:40 PM

Stage Details: Approved as on 27 Nov 2021, 02:49:54 PM

Channel Approval - Record Level

Approved  
as on 27 Nov 2021, 02:49:54 PM

Corporate Approval Matrix - Record Synopsis

No Of Records	Status
10	Approved

File Details

Download File

File Reference Number 453	Corporate ID 000462	Alias Name Mic	Corporate Name Mic Inc
File Name Mic_PAIN001V6_Domestic_20211127000024	Upload Date 27 Nov 2021, 02:45:30 PM	Format ID PAIN001V6	Direction Incoming-External
Transaction Category Payment <b>Financial</b>	Transaction Name Domestic	Number of Transactions 10	File Size 9.43 (KB)
Channel Incoming Channel 1	Message Id MIC50335928PB07H175511		

Record Details

Record Reference Number	Payment Reference Number	Value Date	Amount	Debit Account Number	Credit Account Number	Beneficiary Name	Record Status	Channel Approval
342219	316413452818000894	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Handoff Generated	Details
346299							Handoff Generated	Details
345279							Approved	Details
345789							Handoff Generated	Details
343239							Handoff Generated	Details
342729							Handoff Generated	Details
344769							Handoff Generated	Details
346809	316413452818000897	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Handoff Generated	Details
343749	316413452818000893	25 Dec 2021	£1,000.00	00000065	AC123456789	BenName1	Handoff Generated	Details
344259	316413452818000892	25 Dec 2021	£1,000.00	00000065	AC987654321	BenName1	Handoff Generated	Details

Channel Approval Journey

Record Reference Number  
345279

Payment Reference Number  
316413452818000896

✓

Sent for Approval  
27 Nov 2021, 09:15:35 AM

✓

Mike John  
Approved  
27 Nov 2021, 02:45:41 PM

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## 3.2 Corporate Preference

Corporate Preference are required to be set up for any corporate who wants to send data for processing on Electronic Data Exchange system. In Corporate Preferences, bank user can configure transaction types that corporate can send files for processing. ACK/NACK responses and the preferred format and channel for receiving those can also be defined in this screen. Bank user can specify the transaction preferences for multiple transactions across Financial and Non-Financial Transaction categories in one go.

**ORACLE** Dashboard (DEFAULTTIVITY) Shilpa Branch (004) Oct 8, 2021 ARJUN ARJUN@oracle.com

Corporate Preferences Maintenance Errors & Overrides

**Corporate Details**

Corporate ID *	Corporate Name	Alias Name *	Corporate Channel User ID
000462	Mic Inc	Mic	MicEdxUser

**Incoming Channel**

Channel Type *	Channel *	Number of Days for De-Dupe Check *
Global	Incoming Channel 1	1

**Transaction Preferences**

Transaction Category	Transaction Name *
Payment	Domestic Bulk Payments

**Payment**

- Domestic
- Bulk Payments

**PAIN001V6 - Incoming Channel 1**

Customer Response	Format	Channel	File Name Template
Technical ACK + 2 more	MT199	AutoAckChannel	AutoAckTemplate

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Audit Cancel

### 3.2.1 Limits validation

Bank user can enable or disable the limit validation check for various dynamic conditions across Financial or Non -financial transactions for the particular corporate while setting up the corporate preferences, to validate preconditions before file processing for the corporates.

Depending upon the Limit Validation conditions maintain for the corporate, the file will be processed. If any of the predefined limit condition is failed then application will stop file processing and will display the error reason for actual failure.

The screenshot displays the Oracle Corporate Preferences Maintenance interface. The top navigation bar includes the Oracle logo, a dashboard link, and user information for ARJUN (DEFAULTTENITY) at Shilpa Branch (004) on Oct 8, 2021. The main section is titled 'Corporate Preferences Maintenance' and contains several tabs: Corporate Details, Incoming Channel, Transaction Preferences, and Errors & Overrides. The 'Transaction Preferences' tab is active, showing a sidebar with 'Payment' and 'Bulk Payments' options. The main content area is divided into three sections: Format, Channel Approval Criteria, and Limits. The 'Limits' section is expanded, showing a table of limits for the 'Payment' category. The table includes columns for the limit type and the limit value. The limits are as follows:

Limit Type	Limit Value
Limit Check Required	<input checked="" type="checkbox"/>
Preferred Limit Currency	GBP
<b>Amount Limits</b>	
File Limit	£1,000,000,000.00
Record Limit	£1,000,000,000.00
Maximum Amount Per Day	£100,000,000.00
<b>Count Limits</b>	
Maximum Records Per File	1,000,000,000
Maximum Records Per Day	1,000,000,000
Maximum Files Per Day	1,000,000

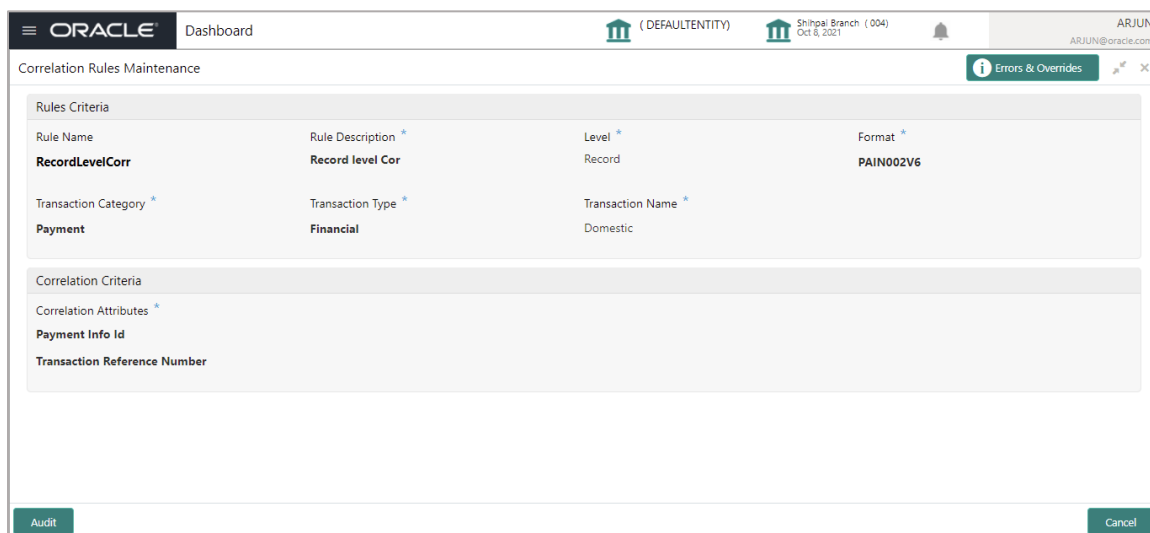
The interface also includes an 'Audit' button at the bottom left and a 'Cancel' button at the bottom right.

### 3.3 Co-relation Rule Maintenance

Using this maintenance, bank user can setup co-relation rules that help to reconcile the record status received from the product processor for the hand-off response to generate the response file.

Similar to De-dup Rules, Co-relation rules can also be configured.

As part of this 14.5.3.0.0 release, Record Level correlation rules are configured and introduced in application. The application will correlated the multiple handoff response files received from Oracle Banking Payments for records in file and reconciled for generating response file for the Corporates.



**ORACLE** Dashboard (DEFAULTENTITY) Shilpa Branch (004) Oct 8, 2021 ARJUN ARJUN@oracle.com

Correlation Rules Maintenance Errors & Overrides

Rules Criteria			
Rule Name	Rule Description *	Level *	Format *
<b>RecordLevelCorr</b>	<b>Record level Cor</b>	Record	<b>PAIN002V6</b>
Transaction Category *	Transaction Type *	Transaction Name *	
<b>Payment</b>	<b>Financial</b>	Domestic	

Correlation Criteria	
Correlation Attributes *	
<b>Payment Info Id</b>	
<b>Transaction Reference Number</b>	

Audit Cancel

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## 4. LIMITATIONS AND OPEN ISSUES

### 4.1 Limitations and open issues

NA

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## 5. COMPONENTS OF THE SOFTWARE

### 5.1 Documents accompanying the software

The various documents accompanying the software are as follows:

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

### 5.2 Software Components

Software Components of Oracle Banking Electronic Data Exchange for Corporates 14.5.3.0.0 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

## 6. ANNEXURE – A: ENVIRONMENT DETAILS

### 6.1 Tech Stack

Component	Machine	Operating System	Software	Version Number
Oracle Banking Electronic Data Exchange for Corporates	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
			Oracle WebLogic	12.2.1.4.0
			Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 281
	Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.12.0.0.0 (19c)
	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 Analytics Server	5.9.0
			Repository Creation Utility	12.2.1.4.0
	Client machines 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		Mozilla Firefox	Mozilla Firefox Release(87+)
			Google Chrome	Google Chrome Release(Version 88+)
			Microsoft Edge	Microsoft Edge(89+)

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## 7. ANNEXURE – B: THIRD PARTY SOFTWARE DETAILS

For Environment details, please refer “**Section 4. Third Party Licenses**” of “Oracle Banking Electronic Data Exchange for Corporates 14.5.3.0.0 License Guide”.

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