

Release Notes
Oracle Banking Electronic Data Exchange for Corporates
Release 14.6.0.0.0

Part No. F57248-01

May 2022

ORACLE®

Release Notes

May 2022

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1. INTRODUCTION

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

Apart from file 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. Electronic Data Exchange also comes pre-integrated with Oracle Banking Payments for payments file processing and Oracle Banking Virtual Account Management for Virtual Accounts bulk file uploads.

2. GLOSSARY

Abbreviation	Detailed Description
OBEDX	Oracle Banking Electronic Data Exchange for Corporates
OBVAM	Oracle Banking Virtual Account Management
OBPM	Oracle Banking Payments
API	Application Programming Interface
ACK	Acknowledgment
NACK	Negative Acknowledgment

3. RELEASE HIGHLIGHT

The key highlight of the release:

3.1 API BASED INTEGRATION WITH PRODUCT PROCESSORS

Oracle Banking Electronics Data Exchange for Corporates is enabled for API based integration with the product processors. Any product processors providing an API to process multiple transactions through single API call can now be integrated with the application.

API based integration will help in ease of integration, improved services, and innovation with various product processors in future and will also make communication and collaboration with the new age product processors easier and reduces overall processing time for bulk files.

3.2 PROCESSING OF VIRTUAL ACCOUNT CREATION FILES

Oracle Banking Electronics Data Exchange for Corporates is enhanced to process the Virtual Account Open files.

Bank users can now configure the customer preferences for the corporate who wish to send virtual account files for bulk account creation. Once the files are processed in the application, it will be sent to the product processor for virtual account creation.

3.3 REFACTORED CORPORATE PREFERENCE SCREEN & UI REDESIGN

Corporate Preference screen is enhanced to ease the corporate preference configuration process for a corporate & provide better user experience.

Corporate Preference screen is enhanced at four levels - Transaction, Format & channel mapping, Outgoing Response Preferences, Channel Approval Screen & Limits configuration. Bank user can define the preferences for the required transaction using the enhanced version of the screens.

3.4 TRANSACTION & FORMAT ALIAS CONFIGURATION

A new functionality is introduced to configure the transaction and format alias for the files uploaded by a corporate. Bank user, while setting up the 'Corporate Preference' for a corporate, can configure the aliases for the files received for the Corporate.

Bank users can additionally configure the Format Alias required in the status reports filename by configuring the format alias against the response format at each Processing Stage.

This feature is introduced to enable the corporate user to upload the file with their choice, as generated by their ERP/TMS systems thus enabling straight through process without enhancements in corporate ERP/TMS system. Similarly, the response file can be also uploaded to the ERP/TMS system without modifications.

3.5 CONTENT SELECTION FOR STATUS REPORTS

Bank user can now select the content which will be reported in the response files. A feature has been provided where the user can select All/Accepted/Rejected records which will go in the response files generated. In case of Accepted, only accepted transactions will be reported in the response files. In case of Rejected, only rejected transactions will be reported in the response files. In case of All, both accepted and rejected transactions will be reported in the response files.

This functionality will help the user to identify the records which are either Accepted or Rejected in the file processing without searching it in the file.

3.6 RESPONSE MODE AS EMAIL

A new functionality of sending the status reports through an email is introduced. Bank user can configure the response mode as email or host-to-host channel or both at corporate level for each processing stage. Multiple email id's can be configured to receive an email. As per the email configuration in Customer Preference an email event will be triggered that will send an email to the user with an attachment of the status report. This feature will help the user to receive the status report as soon as it is generated and without going to the application.

Note: Bank needs to integrate with their SMTP server for the last mile connectivity or delivering the email to the customer.

3.7 NOTIFICATION & ALERTS THROUGH EMAIL

A new feature of sending notification on file processing over email has been introduced. Application now provides an option where the bank user can configure the notifications for the status updates for each stage of processing. This feature will help the user to receive an update as soon as file status is updated for that processing stage.

3.8 FORMAT SCREEN REVAMPED

Format screen is revamped by providing only the fields which are required to be configured, so as to make it simple for the user to create the format maintenance. User can map multiple transactions with the same format identifier, which helps to reduce the efforts of creating multiple format identifiers for each new transaction.

3.9 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 or bank 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.

3.10 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.

3.11 CORRELATING MULTIPLE RESPONSE FILES

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.

Application can correlate at multiple levels – File, Batch or Record based on the response received from the product processor.

3.12 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. Along with the status of the file, any errors encountered during the file lifecycle are also available on the exception 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.

Application will now display Record Journey which will show the complete journey of a record starting from Transaction extraction till response sent to corporate. This will also have Approver details along with the timestamp for every record that pass through the channel approval in a hierarchy. This will enable the users to have a better track of the record and provide better customer support in case of any issues.

3.13 MICROSERVICES CONSOLIDATION

In order to streamline deployment and maintenance of the application, microservices have been reduced from 17 to 4.

3.14 INTEGRATION WITH ORACLE BANKING PAYMENTS (OBPM)

Oracle Banking Electronics Data Exchange for Corporates (OBEDX) 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.001.001.06 format and sends the handoff to Oracle Banking Payments in pain.001.001.06 format 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.

Integration between OBEDX and OBPM is a file-based integration in which OBEDX will send the handoff file to OBPM and OBPM will send the response files to OBEDX.

3.15 INTEGRATION WITH ORACLE BANKING VIRTUAL ACCOUNT MANAGEMENT FOR VIRTUAL ACCOUNT OPEN

Oracle Banking Electronics Data Exchange for Corporates (OBEDX) is integrated with Oracle Banking Virtual Account Management (OBVAM) for virtual account creation.

Oracle Banking Electronics Data Exchange for Corporates receives the file and performs the pre-parsing validations before sending it to Oracle Banking Virtual Account Management for parsing. Oracle Banking Virtual Account Management performs parsing including record level syntax validations and sends the parsed data back to Oracle Banking Electronics Data Exchange. Oracle Banking Electronics Data Exchange performs customer level preference validations on the bulk file received by the corporate and calls the bulk API provided by Oracle Banking Virtual Account Management for opening of account. The response received by Oracle Banking Virtual Account Management is reconciled and records are updated with the latest status.

4. LIMITATIONS AND OPEN ISSUES

4.1 LIMITATIONS AND OPEN ISSUES

NA

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 14.6.0.0.0 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 WebLogic Server	14.1.1.0.0 + Patch 32077936**
			Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 321 & JDK 11.0.14
	Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Database 19c Enterprise Edition Release	19.14.0.0.0
	Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-2.8.1
			Apache Zookeeper	3.6.2
	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+)
			Apple Safari	Apple Safari (14+)

** : Patch 32077936 - JSF APPLICATION RESPONSE ISSUE FOR HTTPS PROTOCOL WHEN HTTP2 IS ENABLED needs to be applied to WebLogic 14.1.1.0.0

7. ANNEXURE – B: THIRD PARTY SOFTWARE DETAILS

For Environment details, please refer “**Third Party Licenses**” section of “Oracle Banking Electronic Data Exchange for Corporates 14.6.0.0.0 License Guide”.

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