Release Notes
Oracle Banking Electronic Data Exchange for Corporates
Patchset Release 14.7.1.0.0

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1. INTRODUCTION

Oracle Banking Electronic Data Exchange for Corporates is a comprehensive pre-processing solution for high volume transaction files received from corporate clients by the financial institutions via host-to-host channel. It enables the bank to tailor the file processing as per corporate's requirements, control operational workflows based on business rules, optimize file processing, notify, and send responses to the corporates at various stages of file processing. Through this system, transaction files can be orchestrated across the bank's portal for client approval and the product processors for processing, thereby increasing the Straight Trough Processing rates in downstream systems and in lowering processing time.

Oracle Banking Electronic Data Exchange for Corporate is an enterprise-level file processing system designed to process all kinds of files received in corporate formats or industry-standard formats such as ISO and Swift. Furthermore, it enables the bank to monitor and manage file processing lifecycles from a centralized location, provides real-time visibility of file and record statuses, helps resolve file processing errors efficiently thus reducing resolution time.

It is pre-integrated with Oracle Banking Digital Experience for client's approval, Oracle Banking Payments for the processing of payments files, as well as with Oracle Banking Virtual Account Management, Interest and Charges for Virtual Accounts bulk file uploading.

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2. ACRONYM & ABBREVIATION

Following are some of the acronyms and abbreviations you are likely to find in the manual:

Abbreviation	Detailed Description
OBEDX	Oracle Banking Electronic Data Exchange for Corporates
OBDX	Oracle Banking Digital Experience
OBVAM	Oracle Banking Virtual Account Management
OBVAM - IC	Oracle Banking Virtual Account Management - Interest and Charges
API	Application Programming Interface

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3. RELEASE HIGHLIGHTS

The key highlight of the release:

3.1 BANKER APPROVAL FUNCTIONALITY

The banker approval functionality has been introduced in the file processing system to enhance security and control over financial and non-financial transactions. With this feature, files submitted for processing undergo a designated approval process by authorized bankers before further processing. Bankers can review and validate the transactions within the file, ensuring accuracy, compliance, and fraud prevention. The approval workflow includes options for bankers to approve or reject the file at either File or Record level based on the configuration. Banker can act on records in multiple iterations. This functionality adds an additional layer of oversight and reduces the risk of unauthorized or erroneous transactions being sent to downstream system for processing. By incorporating banker approval functionality, the file processing system ensures tighter financial control and mitigates potential risks in the transactional process.

3.2 EXCEPTION MANAGEMENT

The exception management functionality in file processing has been implemented to enhance the efficiency and the success rate of bulk files processing. This streamlines the workflow by eliminating the need to resubmit the files individually. Bank users can act on the failed files by either Reprocess or Reject the file from the exception management queue. Notifications and progress updates are provided to corporate, keeping them informed about the status of their files. With the repair queue functionality in bulk file processing, customers can effortlessly manage and track the repair of error files, improving productivity and enhancing the overall repair experience.

3.3 CHECKSUM AND ENCRYPTION SUPPORT

Oracle Banking Electronics Data Exchange for Corporates (OBEDX) is enhanced to support checksum validation and encryption/decryption of incoming and outgoing file. These features have been implemented to ensure the integrity and security of data during file processing. With this feature, OBEDX can verify the checksums for files to detect any modifications or corruption during file transmission. Additionally, encryption validation allows the bank to ensure that data is not read by malicious users during file transportation and processing. This feature provides an extra layer giving corporates confidence that their files have not been tampered with and are secured.

3.4 FILE ANALYTICS AND MONITORING

The file dashboard has undergone significant enhancements to provide bank users with a more intuitive and comprehensive experience. The new features include:

1. **Improved File Monitoring view** - File Monitoring widget displays information such as the total number of files processed, the number of successful and failed files, and any pending or repaired files. Users can easily track the progress and identify any issues or bottlenecks in the file processing workflow.

2. **Advanced Filtering** - Users can now utilize advanced filtering options to quickly locate specific files based on criteria such as Corporate ID and Date. This allows for efficient file management and easy access to relevant information.

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3. **Drill downs on widget to provide a detailed view** – drill-down detailed view is provided for on the widgets in the dashboard. User can drill down on individual widgets to see additional details. In addition, the users can be forwarded directly to the corresponding inquiry with the selected filter applied.

These enhancements to the file dashboard provide users with enhanced visibility, improved data management, and better collaboration capabilities. The enhanced dashboard empowers users to efficiently monitor and manage their files, leading to increased productivity and improved decision-making.

3.5 SUPPORT FOR RESPONSE FILE GENERATION OF PROPRIETY AND INDUSTRY STANDARD FORMATS

Oracle Banking Electronics Data Exchange for Corporates (OBEDX) is enhanced to support response file generation feature. Banks now have the flexibility to configure the response file format in the formats specific to the corporate's proprietary systems or choose from a range of widely accepted industry-standard formats. This ensures compatibility and seamless integration with various systems and software used by customers or partners. Whether it's generating response files in a customized format unique to their organization or adhering to industry standards such as XML, JSON, or CSV, banks can easily configure and generate response files in the desired format. Out of the box, OBEDX supports generation of response in one format each for supported transaction. For additional formats, OBEDX is integrated with third-party transformation tool who generates these formats. This feature empowers the banks to effectively exchange data with corporates while maintaining compatibility and conformity with proprietary or industry-wide standards.

3.6 FILE PROCESSING BASED ON RECORD VALIDATION ERROR STATUS

The File Processing based on record validation errors feature has been introduced to provide the bank with more control and flexibility in managing their file processing operations. Bank users can now set a specific outcome based on the record validations as Process the file, Reject the file or Custom. Under customs, a threshold can be set in terms of percentage. When a file exceeds the set threshold, the system will process the file otherwise rejects it. This feature empowers users to tailor their file processing operations according to their unique requirements and improve overall efficiency.

3.7 ENRICHED PAYMENT STATUS REPORTS

The payment status report has been enhanced to provide users with a comprehensive and insightful view of payment transactions. The new and improved report offers detailed information on payment statuses and payment original transaction information like amount, debit account, credit account, execution date, debtor agent and creditor agent information. With the enhanced payment status report, users can gain better visibility into their payment processes, optimize financial management, and make informed business decisions.

3.8 FILE INQUIRY REVAMPED

The Inquiry screen UI has undergone a redesign to enhance the user experience. The new design features a cleaner and more intuitive interface, making it easier for users to navigate and interact with the inquiries. The layout has been optimized for quick access to relevant information, improving efficiency and reducing response times. Oracle redwood have been implemented to create a more visually appealing and engaging experience for customers.

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Record Inquiry is also enhanced, and a new summarized view of records has been introduced. This feature allows users to gather valuable insights and analytics on the records processed in bulk. Key metrics such as the total number of records, record statuses in OBEDX are now captured and recorded for analysis. Users can easily access and review this information through comprehensive analytics summary charts. By record inquiry analytics in bulk file processing, users can make data-driven decisions and continuously refine their workflows for better outcomes.

3.9 RECORD VALIDATION AND ENRICHMENT SUPPORT THROUGH EXTERNAL INTEGRATION

Oracle Banking Electronics Data Exchange for Corporates (OBEDX) has provided a framework to integrate with any third-party system or product processor for the record validations and enrichments. Based on the response received the records are updated in the system and processed further.

3.10 MISCELLANEOUS ENHANCEMENTS

In response to user feedback several miscellaneous enhancements have been implemented:

1. Addition of a Column in File Inquiry - A new column - #Records has been added to the file inquiry view, providing users with additional information or metadata associated with each file. This allows users to quickly access and review relevant details without the need to open individual files.

2. Log View in File Inquiry - The file inquiry now includes an option to view logs, allowing the bank users to track and review the audit of file parsing in case of third-party integrations . Users can easily access and analyze the integration log to understand the chronological sequence of updates.

3. Technical improvements - Implementation of Redwood theme in the product and Coherence adoption are some of the technical improvements introduced to enhance the performance, reliability, and scalability of the system.

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4. LIMITATIONS AND OPEN ISSUES

4.1 LIMITATIONS AND OPEN ISSUES

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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 14.7.1.0.0 that form part of this release are as follows:

- **Core:**
  - ➤ UI Components (Knockout, OJET 13.0, 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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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 11.0.16
	Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Database 19c Enterprise Edition Release	19.18.0.0.0
	Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-3.4.0
			Apache Zookeeper	3.6.3
	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

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7. ANNEXURE – B: THIRD PARTY SOFTWARE DETAILS

For Environment details, please refer **"Third Party Licenses"** section of "Oracle Banking Electronic Data Exchange for Corporates 14.7.1.0.0 License Guide".

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