# Release Notes
# Oracle Banking Electronic Data Exchange for Corporates
# Release 14.5.3.0.0

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ORACLE®

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.

# 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

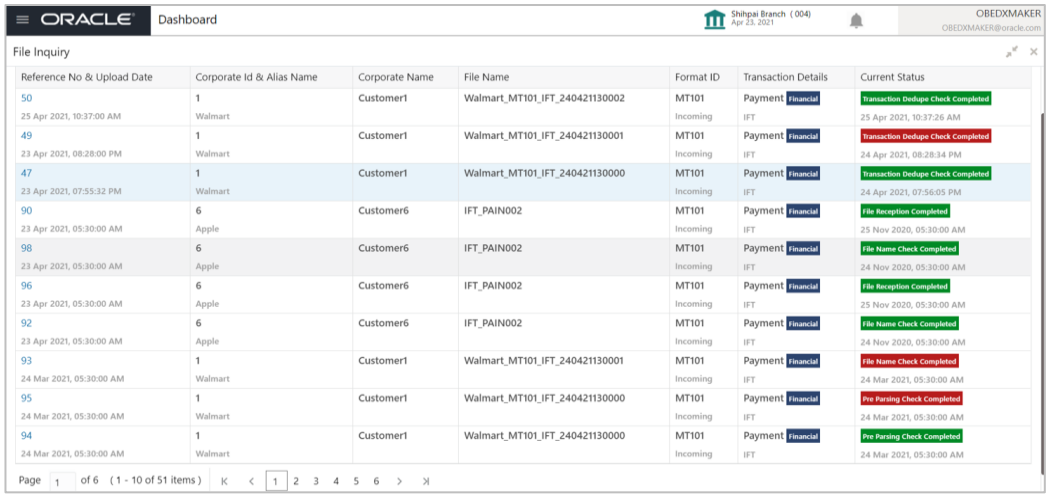
Oracle Banking Electronic Data Exchange for Corporates provides a summarized and detailed inquiry screen to view the files that have been received for processing.

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

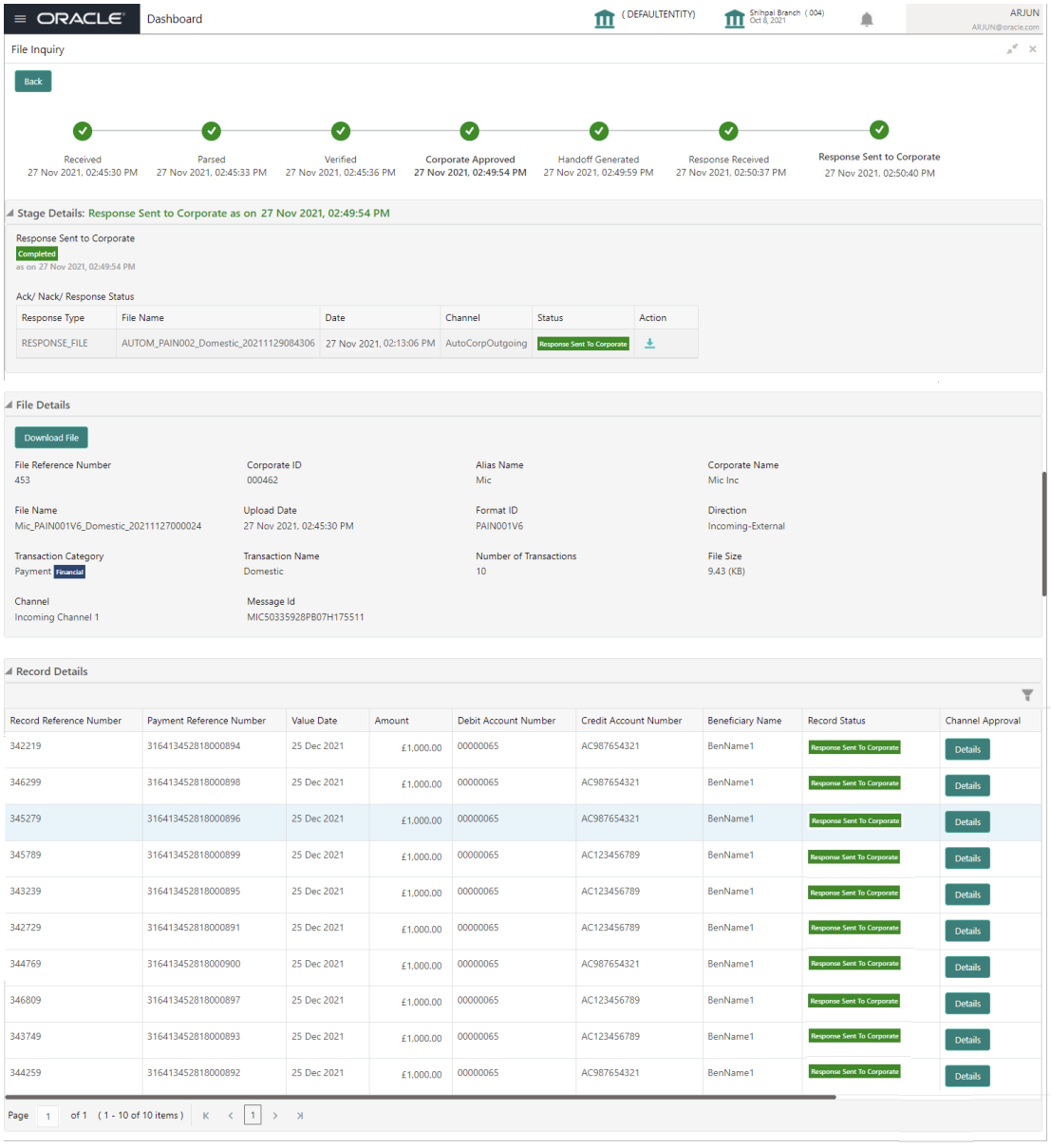
Along with the status of the file, any errors encountered during the file lifecycle are also available on this screen. Screen provides a detailed information about the ACKs/NACKs sent, channel approval status, de-dupe and reconciliation status of individual record. Screen also provides an option to download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

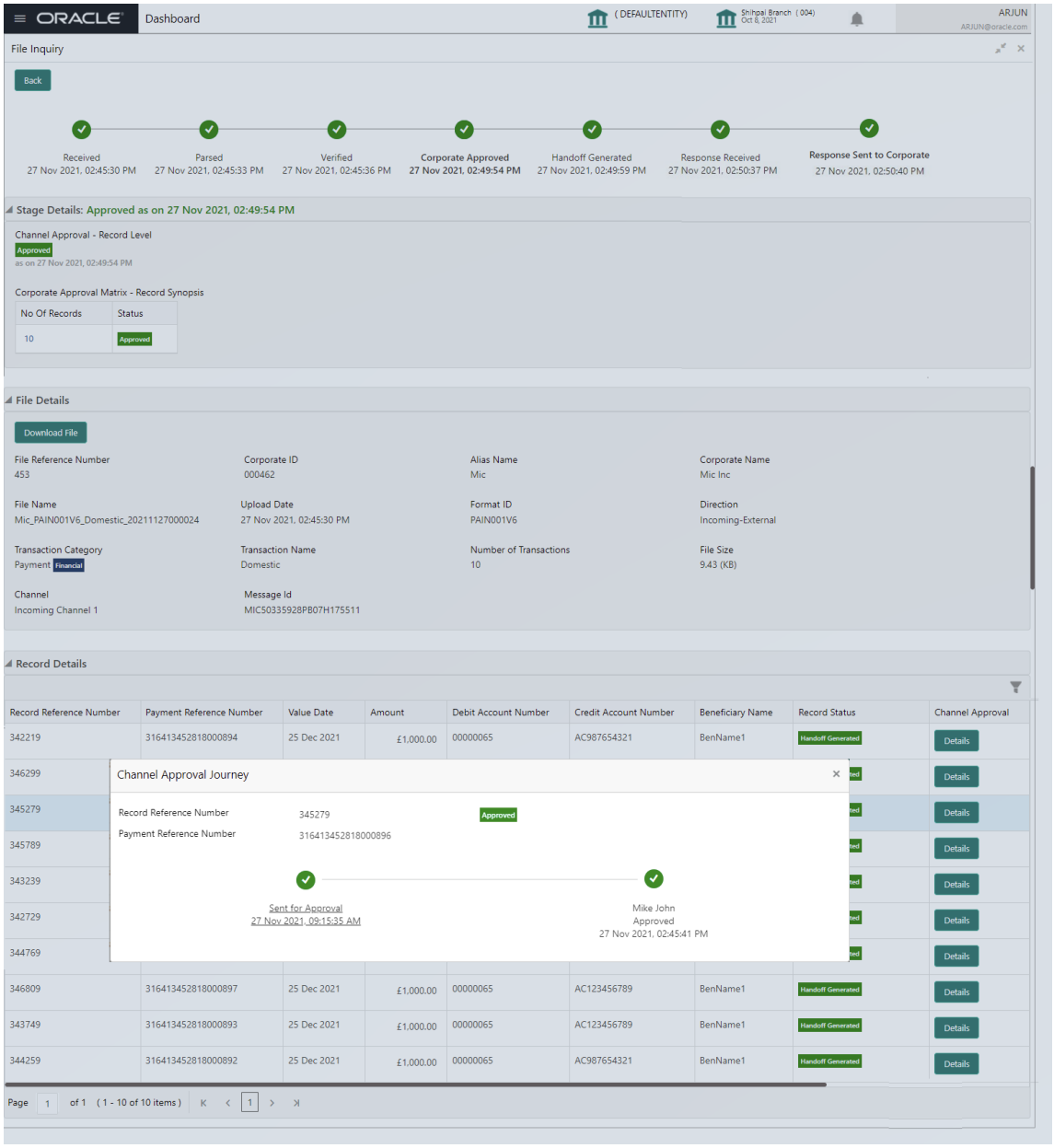
**Summarized View:**



## Detailed View:

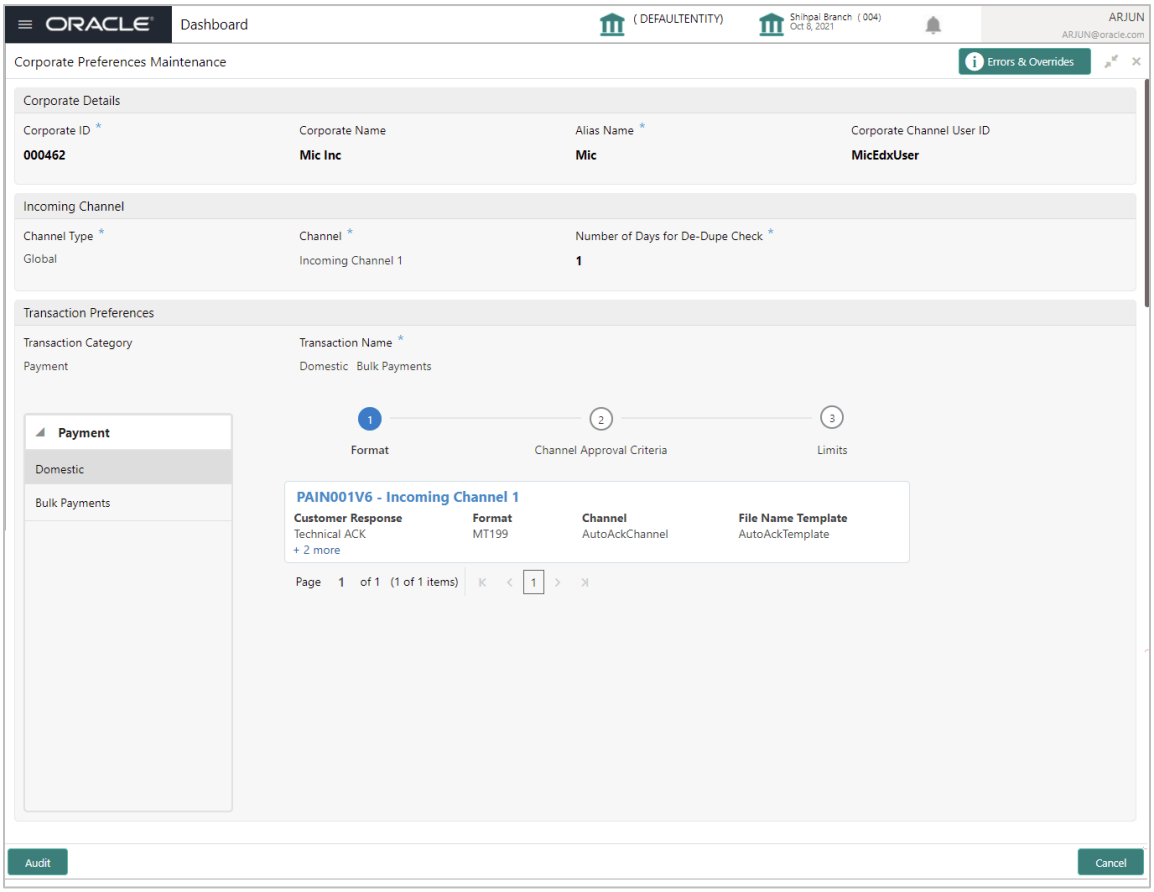


## Channel Approval Journey:



## 3.2 Corporate Preference

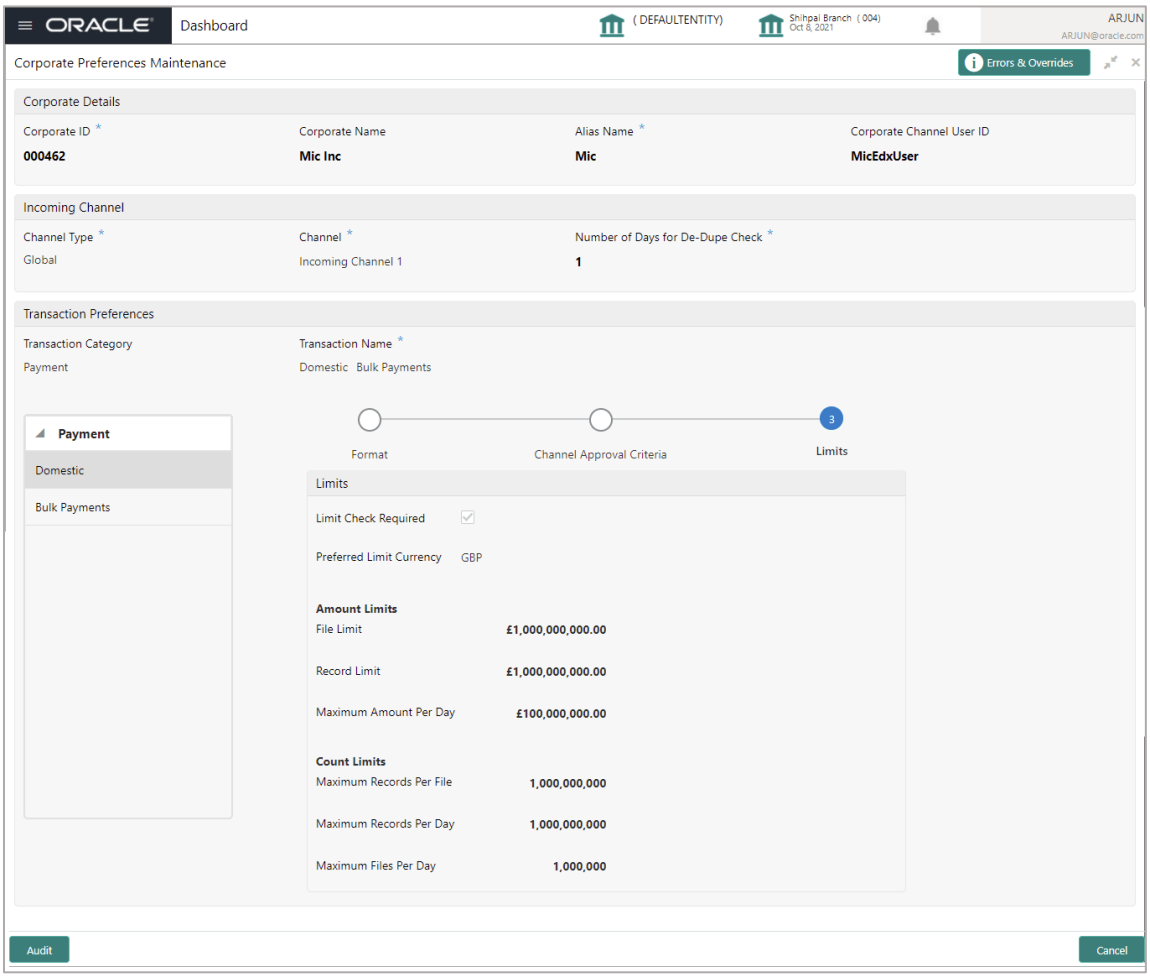
Corporate Preference are required to be set up for any corporate who wants to send data for processing on Electronic Data Exchange system. In Corporate Preferences, bank user can configure transaction types that corporate can send files for processing. ACK/NACK responses and the preferred format and 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.



## 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.

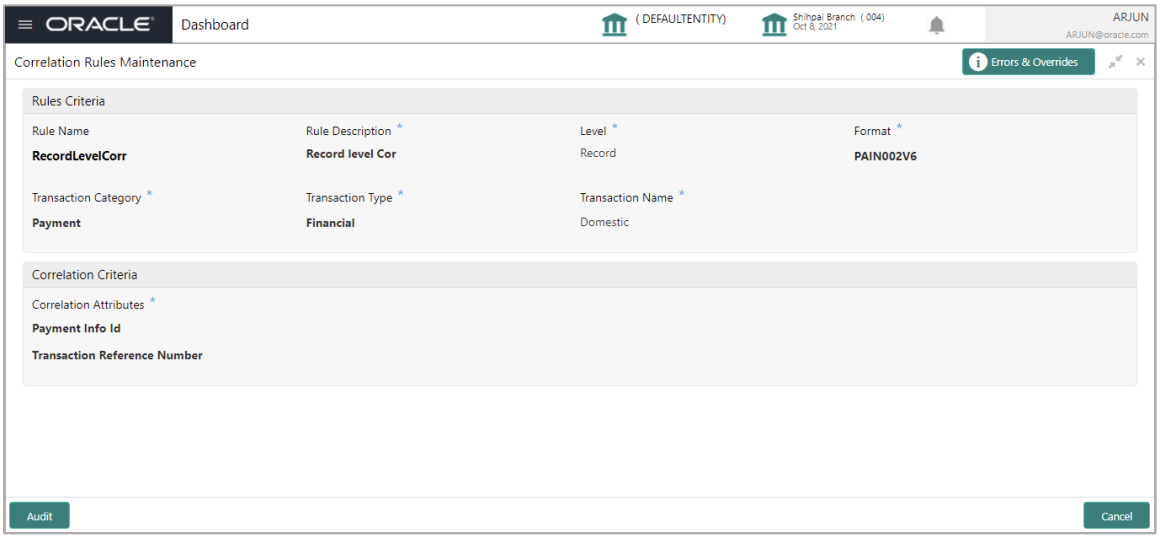


## 3.3 Co-relation Rule Maintenance

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.



# 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 14.5.3.0.0 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+) |

# 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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