Oracle® Banking Electronic Data Exchange for Corporates User Guide



Patchset Release 14.7.4.0.0 G10310-01 June 2024

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Oracle Banking Electronic Data Exchange for Corporates User Guide, Patchset Release 14.7.4.0.0

G10310-01

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Preface

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- Audience
- Acronyms and Abbreviations
- Documentation Accessibility
- Glossary of Icons
- Screenshot Disclaimer

Purpose

This manual provided detailed information about the various functions of Oracle Banking Electronic Data Exchange for Corporates along with the instructions.

It also gives an overview of the various stages of file processing and the associated maintenances.

Audience

This manual is intended for the following User/User Roles:

| Role | Function |
|-----------------------------------|---|
| Back Office Clerk | Input functions & Maintenance except Authorization |
| Back Office Managers/ Officers | Authorization functions and maintenance of static data specific to the Bulk Data Processing |
| Product Managers | Product definition and authorization. PM Query functions |

Acronyms and Abbreviations

| Abbreviation | Detailed Description |
|--------------|---|
| OBEDX | Oracle Banking Electronic Data Exchange |
| OBVAM | Oracle Banking Virtual Account Management |
| OBPM | Oracle Banking Payments |
| ACK | Acknowledgment |
| NACK | Negative Acknowledgment |

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Glossary of Icons

Below table lists icons that are used across the Oracle Banking Electronic Data Exchange for Corporates application.

| lcon | Function |
|-----------------|------------------------|
| | Edit Record |
| × | Close |
| 2 ¹² | Collapse |
| ж К | Expand |
| | Options |
| С | Refresh |
| 0 | Search |
| | Delete a row or Record |
| lu | Bar View |

Table 1 Glossary of Icons



| lcon | Function |
|----------|------------|
| | Donut View |
| C | |
| | |
| | Graph View |
| | |
| | Table View |
| | |
| | |
| _ | List View |
| | |
| | Authorize |
| Θ | |
| | |
| 6 | Unlock |
| Ŭ | |
| _ | View |
| G | |
| | |

Table 1 (Cont.) Glossary of Icons

Screenshot Disclaimer

Personal information used in the interface or documents are dummy and does not exist in the real world. It is only for reference purposes.

1 Transaction Host Integration Matrix

| Sr No | File Uploads | Canonical Format | Integration Pattern | Product Processor Integration |
|-------|--------------------------|------------------|------------------------|---|
| 1 | Payments | PAIN001V6 | File Based | Oracle Banking Payments (OBPM) 14.7.2.0.0 |
| 2 | Virtual Account Open | CSV | API Based | Oracle Banking Virtual Account Management (OBVAM) 14.7.2.0.0 |
| 3 | Virtual Account Close | CSV | API Based | Oracle Banking Virtual Account Management (OBVAM) 14.7.2.0.0 |
| 4 | Add Special Rates | CSV | API Based | Oracle Banking Virtual Account Management Interest & Charges (OBVAM-IC) 14.7.2.0.0 |
| 5 | Statements | MT950 | File Based | None |

Oracle Banking Electronic Data Exchange for Corporates - Overview

- Introduction
- Dashboard

2.1 Introduction

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

Oracle Banking Electronic Data Exchange for Corporates not only provides data orchestration capabilities, it also 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. The below diagram provides a synopsis of functionalities present in the system:

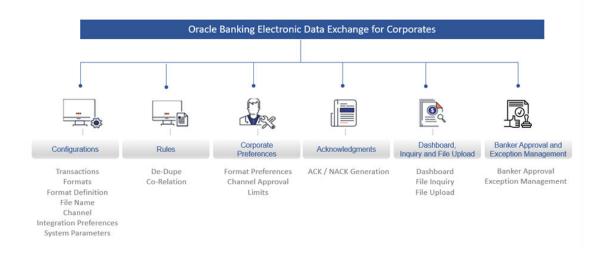


Figure 2-1 Synopsis of Functionalities Developed

Let us understand the Oracle Banking Electronic Data Exchange for Corporates and its features which are divided in the following sections:



- Dashboard
- Configuration
 - Transaction Maintenance
 - Format Maintenance
 - Format Definition
 - File Name Template Maintenance
 - Channel Maintenance
 - Corporate Preference
 - Integration Preferences
 - De-Dupe Rule Maintenance
 - Co-Relation Rule Maintenance
 - System Parameters Maintenance
- File Upload
- Multi Level ACK/NACK
- File Inquiry
- Banker Approval
- Exception Management

2.2 Dashboard

Dashboard widgets provides the summary of key information about processed files. The graphical representation will help the bank user analyze the data to decide future course of action.

The dashboard is organized in the form of widgets. Role based access can be granted to the bank users. Bank user can drag, resize, and auto adjust the size, and expand / collapse the widget.

You can perform following actions on the dashboard:

- To add a widget, click the (+) icon located at the top-right corner.
- To remove a widget, click the (x) icon located at the top-right corner.
- To flip the widget view, click the Flip Forward (<) or Flip Back (>) icon.
- To change the widget's position, click and hold the "Drag to reorder" (.....) icon at the widget's bottom centre and then move widget to the desired position.
- To apply filter on the widget's data, click the Filter () icon to view the pop-up select filter values.

Post login, following widgets are available on the dashboard:

- 1. File Monitoring
- 2. Transaction Format View
- 3. Processing Summary
- 4. Top 5 Corporates



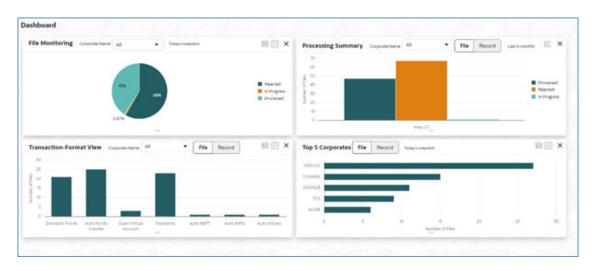


Figure 2-2 Dashboard

- File Monitoring
- Processing Summary
- Top 5 Corporates

2.2.1 File Monitoring

This widget displays the processing status wise break up, in the form of a pie chart or a table, for the files received during the day. A sample snapshot of a day:

Figure 2-3 File Monitoring

| File Monitoring | Corporate Name | All | ▼ Today's snapshot | ≡ |
|-----------------|----------------|-----|----------------------------------|--------------------------------------|
| | | 41% | 94 | Rejected In Progress Processed |
| | | | | |
| File Monitoring | Corporate Name | | ▼ Today's snapshot | 0茴 × |
| File Monitoring | Corporate Name | All | | 0 🗎 🗙 |
| | Corporate Name | All | ▼ Today's snapshot Of Files ≎ | 0 🗎 🗙 |
| Status ≎ | Corporate Name | All | ▼ Today's snapshot Of Files ≎ | 0 🗎 🗙 |

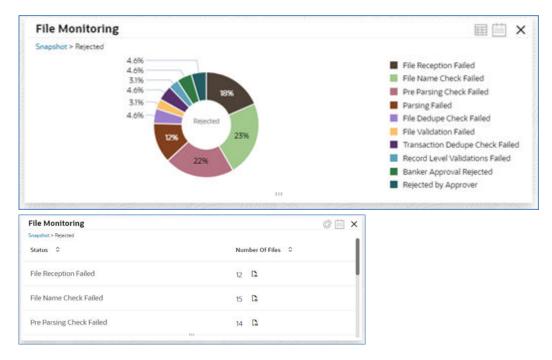
The following details are displayed in the widget:

- Hover the pie chart slice to view the file count
- Percentage of status in each pie



- Status legends
- Filter the files based on Corporate
- Filter the data based on the date range
- Click on Table view icon, to view the total number of the files received across status
- Click on the File eye view to view the Inquiry details of the files for the respective status
- Each status can be further drilled down to know the actual status of the file.

Figure 2-4 File Monitoring



The following details are displayed in the widget:

- Hover the pie chart slice to view the file count
- Percentage of status in each pie
- Status legends
- Filter the data based on the date range
- · Click on Table view icon, to view the total number of the files received across status
- Click on the File eye view to view the Inquiry details of the files
- •

The bank user can perform following actions on Today's snapshot widget:

- Based on the transaction category selected from the drop-down, the pie chart will display the status wise break-up in percentage terms.
- When "All" is selected in the drop-down menu, data corresponding to All corporates will be displayed

• To view the file count instead of percentage break-up, click on flip button at the top-right The columns in the widget are as below:



| Table 2-1 | Columns | in the | widget |
|-----------|---------|--------|--------|
|-----------|---------|--------|--------|

| Column | Description |
|-----------------|---|
| Status | Displays the logical statuses traversed by a file |
| Number of Files | Displays the count of files available under logical status and the file eye view to redirect to the File Inquiry screen |

2.2.2 Processing Summary

This widget displays the total files uploaded by the corporate user using Oracle Banking Electronic Data Exchange for Corporates platform in the past six months. The count of processed and rejected files for each month is displayed in a bar chart or line graph. A sample of the upload summary:



Figure 2-5 Upload Summary

The following details are displayed in the widget:

- · Bar chart representing the count of files uploaded by corporates
- Bar charts showing monthly count of Processed, Rejected, In Progress files in the past six months

The Bank user can perform following actions on the Upload Summary widget:

User can drill down his search to view the Total Record count that has been received by Oracle Banking Electronic Data Exchange for Corporates platform for processing within file, with status of either processed or rejected.

• On click of the graph button at the top-right views, File Upload trend with Line graph will be displayed, which represents the data as a line, as a series of data points, or as data points that are connected by a line. The Line graph will indicates the total number of files count across Y-axis and last 6 months details at X-axis. The graph represent total number files that have been received with respect to processed and rejected status.

2.2.3 Top 5 Corporates

This widget displays the corporate traffic, in terms of the maximum files or records sent for processing. The metrics help provide quicker turnaround to the most 5 active corporates. Information is represented in the form of a horizontal bar graph or a tabular view. A sample of the upload summary:

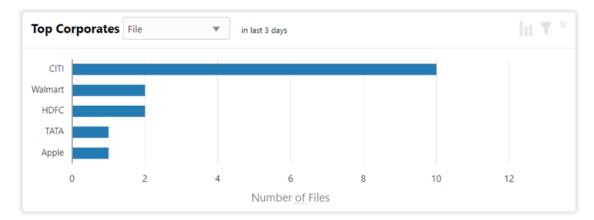


Figure 2-6 Top Corporates

| Top Corporates File | in last 3 days | III Y ² |
|---------------------|------------------------------------|--------------------|
| Alias Name | Number of Files | |
| СІТІ | 49 | |
| Walmart | 18 | |
| HDFC | 18 | |
| ТАТА | б | |

The following details are displayed in the widget:

- · Vertical bar graph represents top corporates who sent maximum file for processing
- By default, today's data will be displayed for each corporate, however it can be filtered out based on the date filter.

The Bank user can perform following action on the Top 5 Corporates widget:

• User can drill down the search to view top five corporates details who have sent maximum number of records for processing on H2H connectivity.

 User can filter top five corporates' details to view data received for a particular duration. Possible values include Previous day, Current month, Previous month and manual date range.

| hi. | × | |
|-----|----------------|---|
| | Filter Date | × |
| | Last 7 days | • |
| | Today | |
| | Last 3 days | |
| | Last 7 days | |
| | Last 15 days | |

Figure 2-7 Filtered Top Corporates

• On click of flip buttonat the top-right views, summary of the total number of files for top corporates for last 3 days will be displayed.

Table 2-2The columns in the widget

| Column | Description |
|-----------------|---|
| Corporate Name | Displays the alias name of the corporate |
| Number of Files | Displays the count of files available under logical status and the file eye view to redirect to the File Inquiry screen |



3 Configuration

- Introduction
- Transaction Maintenance
- Format Maintenance
- File Name Template Maintenance
- Channel Maintenance
- System Parameters Maintenance

3.1 Introduction

There are certain configurations, which are required by Bank user to setup Reference data for Transaction Maintenance, Format Maintenances, File Name Maintenance, Channel Maintenance, Corporate Preferences, De-Dupe Rule Maintenance, Co-Relation Rule Maintenance etc. These maintenances are the prerequisites and should be maintained for Oracle Banking Electronic Data Exchange for Corporates to start processing of files.

This section will cover below mentioned Reference Data Maintenances:

- Transaction Maintenance
- Format Maintenance
- Format Definition and Mapping
- File Name Maintenance
- Channel Maintenance
- Corporate Preference
- Integration Preferences
- De-Dupe Rule Maintenance
- Co-Relation Rule Maintenance
- System Parameters Maintenance

*Maintaining Core Reference Data

Your bank needs to set up certain core reference data for the Oracle Banking Electronic Data Exchange for Corporates system to work such as list of country, currency, customer category, list of holidays, list of banks, branch, FX rates etc.

Refer to the 'Oracle Banking Common Core User Guide' for setting up core reference data.

3.2 Transaction Maintenance

This screen allows the bank user to view the various transactions for which corporate can opt for sending data for processing. **View Transaction Maintenances:**

By using this screen, user can View and Close the Transaction Maintenance.



Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Transaction**, and then click **View Transaction**

Figure 3-1 View Transaction

| View Transaction | | | | | | | | :: × |
|---|---------------|--|---|------------|---|---|---|-----------|
| 2.0 | | | | | | | | 10 B |
| turne Open Virtual Account Category Description Open Virtual Access Open Virtual | ri Account | Payments I Category Payment Description Payments and Fund | None Close Virtual Account Cangory Description Close Virtual Account Description | | pecial Rates i y Virtual Account Add Special Interest | Close_Transcat Close_Transcat Cengory Per Description Th | ment | |
| D Authorized & Com | | D Autorited B Open 201 | | B1 DAm | | | | |
| Sana Reopen_TranscationRe Category Payment Description This is for de | | Nerre, Edit_TranscationRerun I Category Payment Decorption This is new with the | Surre CheckerApproval_Transca Compoy Peyment Decembran This is for checker | Category | tlated_TranscationR | | etionRerun I yesent Is is for debete test | |
| D'Unsuffertent & Ope | - 952 | D'Unauthorizent & Open 201 | | 101 D.Una | stores 6 com 10 | Dunutorast | Blown 101 | |
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| | nance | tur Transf | | • | | Description Pagements and Flam | | ala 👯 |
| Comprey | | | | | | | | nday 🚦 |
| Comprey | | | | | | | | ntes 22 |
| wateri | | | | | | | | ntes († |
| wateri | | | | | | | | ntes 💠 |
| impry | | | | | | | | ndes] 11 |
| impry | | | | | | | | ata] 12 |
| Transaction Mainten Graps Parama | | | | | | | | |

1. Refer to the following table for specifying details in the above screen:



Table 3-1 Field Description

| Field Name | Description |
|---------------|---|
| Category * | Transaction Category for the transaction being setup |
| Type * | Transaction Type that specifies whether it is Financial or Non- Financial type |
| Name * | The unique name of the transaction. |
| Description * | Description for the transaction Name |

2. Click on 'Audit' to view the event of operation performed on maintenance.

| - ORACLE Datton | a | TT CONSULTANTIO | 1 200 1000 (224) | CORPANDER |
|-------------------------|--------------------------|-------------------------|---------------------------------|---------------------|
| Transaction Maintenance | | | | O Innes & Queen las |
| Cangory * Represent | Tape ' Francist | nume " Buth Payments | Description * Built Payments | |
| Malar | Decker | | | |
| COEDIMAKER | CREDIKCHECKER | | | |
| 11/15/2021 742/06 PM | 💼 11/15/0021, 7:42/06 PM | | | |
| Status | Medification No | | | |
| Authorized Open | 1 | | | |
| AUR | | | | Court |

Figure 3-2 Event of operation performed

Perform the following steps to take actions on the Transaction Details. Click the Options (\pm) icon and then click any of the below option:

| 1. Authorize | To authorize the record. Authorizing requires necessary access rights. |
|--------------|--|
| | Optional: Click View to view the record details. |
| | • Select the record to authorize and then click Approve . |
| 2. Delete | To delete the data permanently, which is not yet authorize. |
| 3. Close | To close record temporary |
| | Optional: On the confirmation pop-up window, enter the remark for closing. |
| | Click Confirm to close the record. |
| 4. Reopen | To reopen the maintenance record which is temporary Closed |
| 5. View | To view the Transaction Maintenance details. |

Out of the box OBEDX supports below transactions -

- 1. Payments
- 2. Open Virtual Account
- 3. Close Virtual Account
- 4. Add Special Rates
- 5. Statements



3.3 Format Maintenance

Oracle Banking Electronic Data Exchange for Corporates provides master maintenance for all the formats supported for different transaction types at the Bank level.

This maintenance will be used to create, view and edit the formats that needs to be supported under a specific Transaction Category and Response Type.

Create Format Maintenance:

This screen is used to create Format Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Format**, and then click **Create Format**

Figure 3-3 Create Format

| Identifier * Description * Effective Date * Expiry Date * PAIN001V6 0ct 28, 2021 0ct 31, 2023 0ct 31, 2023 Version * Transaction Category * Type * Format Category * 1 Payment Incoming ISO | | | (DEFAULTENTITY) | Cct 8, 2 | ai Branch (004) 2021 | CORPM CORPMAKER@orac | |
|---|--------------------------------|------------------------------|------------------|-----------|--------------------------|-------------------------|-----|
| PAIN001V6 PAIN001V6 Oct 28, 2021 Oct 31, 2023 Image: Contract of the second sec | Format Maintenance | | | | | Errors & Overrides 🛛 🔎 | ¢) |
| Version * Transaction Category * Type * Format Category * | Identifier * | Description * | Effective Date * | | Expiry Date * | | |
| | PAIN001V6 | PAIN001V6 | Oct 28, 2021 | ** | Oct 31, 2023 | | |
| 1 Payment v Incoming v ISO v | Version * | Transaction Category * | Type * | | Format Category * | | |
| | 1 | Payment 💌 | Incoming | • | ISO | • | |
| Maximum Payload Size (in KB) * Maximum Records in Payload * Encoding * | Maximum Payload Size (in KB) * | Maximum Records in Payload * | Encoding * | | | | |
| 2000 UTF-8 T | 2000 | 1000000 | UTF-8 | • | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Audit | | | | | Save Can | cel |

1. Refer to the following table for specifying details in the above screen.

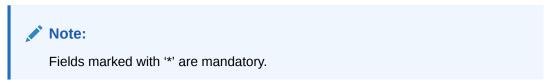


Table 3-2 Field Description

| Field Name | Description |
|------------------|---|
| Identifier * | Enter the value for unique Format Identifier |
| Description * | Enter the Description for Format Identifier |
| Effective Date * | Select start date for format identifier since when the file format will be active |



| Description |
|---|
| Enter the expiry date of format identifier, after which the selected format should be discontinued |
| Enter version number for Format Identifier |
| Select the Transaction Category from available list for which format identifier in being created |
| Select the format type, from the list of all format type supported by Bank to create format maintenance |
| Select format category from available list to create format maintenance |
| Enter value for maximum payload size allowed |
| Enter the value of maximum records allowed in single file upload |
| Select the Encoding value from available list to create format maintenance |
| |

Table 3-2 (Cont.) Field Description

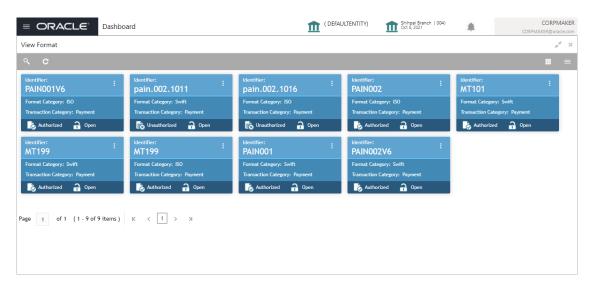
View Format Maintenances:

By using this screen, user can View, Modify, Delete or Authorize the Format Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Format**, and then click **View Format**

| Figure 3 | -4 View | Format |
|----------|---------|--------|
|----------|---------|--------|



| | | (DEFAULTENTITY) | Shihpai Branch (004) | CORPMAKER CORPMAKER@oracle.com |
|--------------------------------|------------------------------|------------------|-----------------------|-----------------------------------|
| Format Maintenance | | | | 👔 Errors & Overrides 🛛 💉 🗙 |
| Identifier * | Description * | Effective Date * | Expiry Date * | |
| PAIN001V6 | PAIN001V6 | Oct 28, 2021 | Oct 31, 2022 | |
| Version * | Transaction Category * | Type * | Format Category * | |
| 1.1 | Payment | Incoming | ISO | |
| Maximum Payload Size (in KB) * | Maximum Records in Payload * | Encoding * | | |
| 2000 | 140000 | UTF-8 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Audit | | | | Cancel |

1. Click on '**Audit**' to view the event of operation performed on maintenance.

Figure 3-5 Event of operation performed

| | | ш. | CORPM | |
|--------------------------------|------------------------------|------------------|-------------------|-----|
| rmat Maintenance | | | Errors & Override | s y |
| Identifier * | Description * | Effective Date * | Expiry Date * | |
| PAIN001V6 | PAIN001V6 | Oct 28, 2021 | Oct 31, 2022 | |
| Version * | Transaction Category * | Type * | Format Category * | |
| 1 | Payment | Incoming | ISO | |
| Maximum Payload Size (in KB) * | Maximum Records in Payload * | Encoding * | | |
| 1000 | 100 | | | |
| Maker | Checker | | | |
| АВНАУ | KINJAL | | | |
| 10/8/2021, 7:06:46 PM | 10/8/2021, 7:07:30 PM | | | |
| Status | Modification No | | | |
| Authorized | 1 | | | |
| 🖉 Open | | | | |
| | | | | |

Perform the following steps to take actions on the Format Details. Click the Options (${\scriptstyle \bot}$) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create Format Maintenance section for field level details. |
|--------------|--|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |



| | Record can also be Rejected by clicking Reject. |
|-----------|---|
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. Close | To close record temporary Optional: On the confirmation pop-up window, enter the remark for closing. Click Confirm to close the record. |
| 5. Reopen | To reopen the maintenance record which is temporary Closed |
| 6. View | To view the Format Maintenance details. |

3.4 File Name Template Maintenance

File name template is used to define a naming convention for various types of files -incoming, outgoing, ACK-NACK and handoff messages.

File name template allows user to create the naming convention with the help of predefined attributes (like transaction name, format name, alias, date etc.). User can decide the order of these attributes as per naming convention and provide the length, padding characters along with the delimiter, if any. The naming convention aids the system in reading the Meta data from the file name and process the file accordingly.

Create File Name Template:

This screen is used to create File Name Template.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **File name**, and then click **Create File Name Template**

Figure 3-6 Create File Name Template

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|---|--|--|------------|---|
| ile Name Maintenance | | | | 🛆 Rouri & Oversites 📄 🛟 🗙 |
| Template Details | | | | |
| Template ID | Samplate Description | Format Type | | |
| AutoCorplecoming | AutoCorphicipming | Incoming | • | |
| label | Separated With Delevitor | Defauiter | | |
| 8 Ws O No | ⊛ we. O No | Underscore [_] | * | |
| File Name Attributes | | | | |
| la Natio Formal | | | | Add Attributes |
| Allas Name For | net Alles 💿 Transaction Alles | Date and Timestamp | | |
| Data Format: Not Applicable Data Form File Extention: Not Applicable File Extent | Aphanonent uit Data Type: Alphanonent uit an Not Applicable Date Exercise Not Applicable for Sort Applicable Elle Exercise Not Applicable Sontant Wales Not Applicable Constant Wales Not Applicable Consta | Data Type: Data and Tene Bate Format: sysyMMADDHL. Hite Extension: Note Applicable Constant Value: Not Applicable | | |
| Presiere Also Hame, Sumar Also, Transaction Also | n, Date and Telestang | | | |
| | | | | |

1. Refer to the following table for specifying details in the above screen:



Note:

Fields marked with '*' are mandatory.

Table 3-3 Field Description

| Field Name | Description |
|----------------------------|--|
| Template Details | |
| Template ID * | Enter a unique Template ID, to create the file name template. |
| Template Description * | Enter the description for the File Name Template |
| Format Type * | Select the format type for the File name Template from either of available list Incoming Outgoing Acknowledgement Negative Acknowledgement Handoff Handoff Response |
| Global * | Select if the Template is Global or Non –Global Note: Selection of this Flag will be not allowed when Format Type is selected as Handoff & Handoff Response ,because this flags are being used for internal bank communication |
| Separated with Delimiter * | Select if the File template is with or without Delimiter |
| Delimiter * | Select the type of Delimiter that will be used to segregate the attribute in file name Note: Display If Separated with Delimiter is selected as "Yes" |
| File Name Attributes | |
| Add Attributes * | Click on this button to add List of attributes expected in File template from available list Note: If user selects "Separated with Delimiter " as "Yes" then he will be allowed to add Attributes ,but attributes maintenance (Length, Data Type, Padding details) will not be allowed |

| Field Name | Description |
|------------------|---|
| Attribute Name * | Name of the attributes for which data fields is being setup will be displayed here |
| Rename Fields * | Enter name of the attribute, which is expected in the file template and not available in the current attribute list. |
| | Note: Only populate this field when the user selects Free Field as one of the expected attribute in the File Template. User can update the name of this field with any value |
| Data Type * | Select the Data type for attribute, which is being added in file name template. |
| | Note: In case of attribute is selected as "File Extension", user will be allowed to enter only extension name and data type as Alphanumeric. Attribute specific Rest of the fields will be non-Editable to user. If user selects attribute as "Free Field " as per the requirement ,then the new data type "Constant" will be available for user to select from data type dropdown. With data type as "Constant "user is allowed to update only Field Name and Rest of the attribute specifics fields will be non-Editable to user. |
| Length * | Specify the length of each individual attribute |
| | If the Data type is selected for any Renamed Free field attribute as "Constant ", then Length will disabled for the user to edit or enter Display only if Separated with Delimiter is selected as "No" |

Table 3-3 (Cont.) Field Description



| Field Name | Description |
|-----------------------|--|
| Padding Character * | Specify the padding character expected in corporate file |
| | Note: Display only if Separated with Delimiter is selected as "No" |
| Padding Position * | Select the position of pad character in corporate file |
| | Note: Display only if Separated with Delimiter is selected as "No" |
| Date and Time Format* | Select the date and time format expected in File Name |
| | Note: Populate this field when Date and Time Format is selected as one the file name attribute |

Table 3-3 (Cont.) Field Description

View File Name Template:

By using this screen, user can View, Modify, Delete or Authorize the File Name Template Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **File Name**, and then click **View File Name Template**

Figure 3-7 View File Name Template

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|--|---|--|-------------------------------|---|----------------|
| /iew File Name Template | | | | | 0 |
| 0 | | | | | E |
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| Template EductandoffReyments Formet Type Handoff | Template EDXCorpOutgoing Format Type Outgoing | Template EDKAckTemplate Template EDK Formet Type Acknowledgement Formet Type Inco | Corpincoming | Template AutoNumericDate Formet Type Incoming | |
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| Templete El AutoOutgoinginternal 1 | Templete D AutoAlphaNumeric I | Temples () AutoCorpOutgoing I AutoAckTempla | | Templane (C) AutoCorpincoming | 1 |
| Template AutoOutgoingteternal Formet Type Handoff | Template AutoAlphakumeric Format Type Incoming | | oAckTemplate novierigement | Terruplate AutoCorplacaming Format Type Incoming | 9. I. I. I. I. |
| DAutorent & Open 20 | Distorted & Open 191 | D'Authorized & Open El D'Authorized | 6 Open El 1 | C Autorized & Open | 251 |



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|---|--|--|---|---|---------------|--|-------------------|---------|
| File Name Maintenan | ce | | | | | | 🛆 Errors & Overes | en () 1 |
| Template Details | | | | | | | | |
| Templete © | longiste | Description | Format Type | | | | | |
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| Segurated With Delevine | Parlantar | | | | | | | |
| ₩ Ws O No | Under | uore(.) • | | | | | | |
| File Name Attributes | | | | | | | | |
| the Name Format | | | | | | | Add Amillutes | |
| 0 tanàntiana 0 | Format Identifier O | Transaction Name | • ResponseConstant O | Dete and Timestamp | 0 0 100 | Extension O | | |
| Dela Tigori Constanti Dela Tigori Uni Applicable Ede Estentioni for Applicable Constant Value: XDX | Data Toper Alphanumens unt Data Normati htt: Applicable File Estention: Not Applicable Constant Value: Not Applicable | Batta Tigne, Alghanamann oit. Data Paonat, tha Aughrable File Economous, tha Aughrable Constant Value, that Aughrable | Bala Iger: Cantilant Data Romait: Net Applicable Ede Extension: Net Applicable Constant Value: PERIO22VE | Data Tapar Data and Tona Data Rowast: ddAtAyytHinne File Estevation Not Applicable Constant Value Yor Applicable | File Extern | et: fror Applicable mat: end sheet fror Applicable | | |
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| hudit | | | | | | | Cart | |

1. Click on 'Audit' to view the event of operation performed on maintenance.

Figure 3-8 Event of operation performed

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|--------------------------|-------------------------|--------------|---|--|-------------|------------------|---------|
| File Name Maintenance | | | | | 4 | men & Overenders | 1:: × |
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| | Approved | | | - | Add Ad | tributters | |
| Status | Modification No | | Data and Tenentamp O | O File Extension | • | | |
| © Autorized | 240 | Date: | Naper: Dans and Yong Rammat: differing/differences farmentesis And Applicable fant Yahne: 502 Applicable | Data Farmat: Not Applicat File Constitute with Catastant Value: Not Applic | | | |
| © Open | | | | | | | |
| | | | | | | | |
| Audt | | | | | | Cases | 1 |

Perform the following steps to take actions on the File Name Template Details. Click the Options (1) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create File Name Template Maintenance section for field level details. |
|--------------|--|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. Close | To close record temporary |
| | Optional: On the confirmation pop-up window, enter the remark for closing. |
| | Click Confirm to close the record. |

| | To reopen the maintenance record which is temporary Closed |
|---------|---|
| 6. View | To view the File Name Template Maintenance details. |

3.5 Channel Maintenance

Channel maintenance allows the bank user to define the incoming channel/medium for file exchange into Electronic Data Exchange system. Channels can be 'Global' or 'Non-Global'. Global channels can be used by any corporate, whereas Non Global channels are defined for a specific corporate.

Create Channel Maintenance:

This screen is used to create Channels.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Channel**, and then click **View Channel**

Figure 3-9 Create Channel

| ORACLE | | | Destantisative Advantation |
|---------------------|------------------------------|---------------------|--|
| Channel Maintenance | | | 🛆 Grant & Charriston 🛟 🗙 |
| Channel Details | | | |
| Channel Name | Channel Description | Director | Type . |
| AutoCorpleconing | AutoCorphooning | Incoming - External | Folder Based |
| thead | Folder Path | File Name Template | file Name Tamplete Province |
| Ves O No | /scatch/oork_ans/0EV/06E0ICA | AutoCorplicoming • | Alas Name, Format Alas, Transaction Alas, Date and Tenentaryp |
| Scheelider Name | Empressy | | |
| Delad/Scheduler • | Every 30 seconds | | |
| Policies | | | |
| Concurrency Check | Custored Filte Extentionen | File Sam (n. 18) | Throatle Saw |
| Control File • | e6 | 10000 | 100 |
| | | | |
| | | | |
| | | | |
| Auto | | | famil ten |

1. Refer to the following table for specifying details in the above screen:

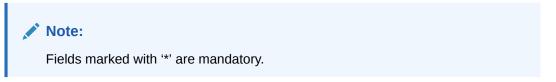


Table 3-4 Field Description

| Field Name | Description |
|-----------------|--|
| Channel Details | |
| Channel Name * | Enter Channel Name to Create new channel |



| Field Name | Description | | |
|-------------------------------|--|--|--|
| Channel Description * | Enter the description for the Channel | | |
| Direction * | Specify the direction of the channel maintenance, which is being setup. | | |
| | Note: a. Incoming – External (Corporate à Bank) b. Outgoing – External (Bank à Corporate) c. Incoming – Internal (Bank's Product Processor à Oracle Banking Electronic Data Exchange for Corporate d. Outgoing – Internal (Bank à Bank's Sub System) | | |
| Type * | Specify the channel type - Folder or Message based | | |
| | Note: This field will be displayed only when Direction is selected as Incoming – External or Incoming – Internal | | |
| Folder Path * | Enter the folder path , from where file can be retrieve over channel | | |
| Global * | Select if the Channel Maintenance is being setup for Global (Bank level) or Non -Global (Corporate specific channel) | | |
| File Name Template * | | | |
| | Note: If the channel maintenance is being setup for Global Channel then, this field will list down Global File Name templates If it is for Non-Global Channel then Non-Global File Name templates will be listed here | | |
| File Name Template preview | This field will display File Name Template preview | | |
| | Note: This field will populate File name template orientation, depending on the file name template selected in previous step. | | |

| Table 3-4 | (Cont.) | Field Description |
|-----------|---------|--------------------------|
|-----------|---------|--------------------------|

| Field Name | Description | | |
|-------------------------------|--|--|--|
| Scheduler Name * | Select the scheduler name from available list to map with channel maintenance | | |
| | Note: This field will be displayed only when Direction is selected as Incoming – External or Incoming – Internal | | |
| Frequency | This field will display frequency of the Scheduler selected in previous step | | |
| | Note: This field will be displayed only when Direction is selected as Incoming – External or Incoming – Internal | | |
| Policies (Setup for Direction | Incoming – External or Incoming – Internal) | | |
| Concurrency Check * | Select the Concurrency Check Method for channel maintenance | | |
| Control File Extension* | Specify the file extension for Control file Concurrency Check | | |
| | | | |
| | Note: This field will be displayed only if the user selects the control file in Concurrency Check field | | |
| Allowed File Size (in KB) * | This field will be displayed only if the user selects the | | |

| Table 3-4 | (Cont.) | Field | Description |
|-----------|---------|-------|-------------|
|-----------|---------|-------|-------------|

View Channel Maintenances:

By using this screen, user can View, Modify, Delete or Authorize the **Channel** Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Channel**, and then click **View Channel**

Figure 3-10 View Channel

| ORACLE | | | (00%4200077) | Durber Trench (001) Assort 1.2007 | AAKAGH ~ |
|---|---|--|------------------------------------|---|----------|
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| D Unsufferent & Open Ø | Durantorized Billion 182 | D'Authorped & Open Ø1 D'Au | nhorped & Open (231 | Different & Open (2) | |
| AutoAlphaNumeric I | Darrel bank AutoCloseChannel I | | e herei Channel I | AutoCorpOutgoing I | |
| Direction Incoming - External Clobal Yes | Descriver incoming - External Global Yes | Deaction Incoming - External Direct Global Yes Global | tion incoming - External d. Ves | Direction Outgoing - External Global Yes | |
| D Authorized A Cover 28 | Distorted & Coset (2) | DAuthorized Allipson B1 DAu | thorand & Down 201 | D Authorized & Open 201 | |
| D Authorized & Cover 12 | | D Authorized & Open 201 C Au | | | |

1. Click on '**Audit**' to view the event of operation performed on maintenance.

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Figure 3-11 Event of operation performed

Perform the following steps to take actions on the Channel Details. Click the Options (\pm) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create Channel Maintenance section for field level details. |
|--------------|---|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. Close | To close record temporary Optional: On the confirmation pop-up window, enter the remark for closing. |



| | Click Confirm to close the record. |
|---------|--|
| | To reopen the maintenance record which is temporary Closed |
| 6. View | To view the Channel Maintenance details. |

3.6 System Parameters Maintenance

System Parameters maintenance allows the bank user to define certain global parameters like Masking Preferences for the inquiry screen. Only edit option is provided for this maintenance as only single system parameter can be maintained for the Oracle Banking Electronic Data Exchange.

Masking Preference can be configured for each transaction wherein bank users can define the fields that needs to be masked. The fields defined by the Bank will be masked on the File inquiry screen and the download inquiry reports.

View System Parameters Maintenance:

This screen is used to editsystem parameters.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **System Parameters**, and then click **View System Parameters**

| | | | A Errors and Overrides |
|---------------------------------|--|-------------|------------------------|
| Masking Preferences | | | |
| | | | + Add Row |
| Transaction Category | Transaction Name | Column Name | Action |
| Payment | Payments | Amount | / 俞 |
| Exception Management Parameters | | | |
| Exception Management Required | Days to Auto-Reject Repair Transactory | | |
| | 3 | | |
| Additional Parameters | | | |
| Mose Dackdated Records | | | |
| | | | |

Figure 3-12 View System Parameters

Refer to the following table for specifying details in the above screen.





| Field Name | Description |
|--|---|
| Masking Preferences | |
| Transaction Category * | Select the Transaction Category from available list |
| Transaction Name * | Select the Transaction Name from available list |
| Column Name * | Select the column names from the list on which masking is required |
| Action | Edit or Delete row |
| Exception Management Parameters | |
| Exception Management Required * | Select whether exception management is required or not |
| Days to Auto-Reject Repair Transactions* | Provide number of days based on which system will auto reject the transactions lying in the exception queue and not acted upon by the banker. |
| Additional Parameters | |
| Allow Backdated Records * | Select whether to process or reject the backdated records |

Table 3-5 Field Description

Perform the following steps to take actions on the System Parameters. Click the Options (\pm) icon and then click any of the below option:

Click on 'Audit' to view the event of operation performed on maintenance.

Perform the following steps to take actions on the Integration Preferences. Click the Options (1) icon and then click any of the below option:

| 1. Unlock | To modify the record details. |
|--------------|--|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. View | To view the System Parameters details. |

4 Format Definition and Mapping

Format Definition and Mapping

4.1 Format Definition and Mapping

Oracle Banking Electronic Data Exchange for Corporates provides maintenance for format definition and mapping for all the formatsdelimited and fixed-length formatssupported for different transaction types at the Bank level.

This maintenance will be used to create, view and edit the format definition that needs to be supported for a specific transaction.

Note: It is not allowed to create multiple maintenance for a same Format Identifier with same Direction & Format Type Category.

Supported File Templates are as given below -

| Supported | File Template | Remarks |
|-----------|--|--|
| | Header + Records (Same No. of Columns) | File can contain a header followed by multiple records provided all records contain same number of columns. |
| | Records(Same No. of Columns) | File can contain multiple records provided all records contain same number of columns. |
| X | Header + Records (Different No. of Columns) | File can contain a header followed by multiple records with records containingdifferent number of columns. |
| X | Records (Different No. of Columns) | File can contain multiple records with records containing different number of columns. |

Table 4-1 Field Description

Create Format Definition:

This screen is used to create Format Definition.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Format Definition and Mapping**, and then click **Create Format Definition and Mapping**

| Figure 4-1 | Create Format Definition and Mapping |
|------------|--------------------------------------|
|------------|--------------------------------------|

| reate Format Definition | Direction Direction Select Template Name | | O O | Next | Format Mappin | A troos and | d Overrides |
|---|--|------------------------|---|----------------|---------------|---|-----------------------|
| Select Pena Format Type Select Pena Pena | r Select | Select Template File D | efinition Mapping Format Identifier | | Format Mappin | | |
| Select Peor ormat Type Select Peor | r Select | Select Template File D | efinition Mapping Format Identifier | | Format Mappin | | |
| Select Reso annat Type Select Reso | r Select | | | | Format Mappin | | |
| Select Reso annat Type Select Reso | r Select | | | | Format Mappin | | |
| Nega Select Repa | Template Name | | EN FRANCIO | - | | e | |
| Select Repa | | | | Required | | | |
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| lect Template | | | | | | | |
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| v Format Definition and | Mapping | | | | | | 🛆 Errors & Override |
| | | Back Ø | 00 | Nest | | | |
| | | | Definition Mapping | | | | |
| leader | | | | | | | |
| Field Field Name | Fixed/Variable Values | Mandatory | Data Type | Format | | Min Length | Max Length |
| | Variable • | Yes | • Sney | | | | |
| 1 partylD | Variable | Yes | String | | | | |
| 2 total records | Variable | Ves | Number | | | | |
| 3 total amount | Variable | Yes | Amount | | | | |
| 4 debit account number | Variable | 145 | String | | | | |
| Field Field Name | Fored/Variable Values | Mandatory | Data Type | format | | Min Length | Max Length |
| | Variable • | Yes | - String | | | | ~ |
| 1 amount | Variable | Yes | Amount | | | | |
| | Variable | Ves | | | | 3 | 3 4 |
| | | | String | | | 3 | |
| 3 value date | Variable | Ves | Date | dd-MM-yyyy | | | |
| 4 credit account | Variable | Yes | String | | | | |
| 5 charge bearer | Fixed CRED.DEB | Yes | String | | | | |
| 6 Reference | Variable | Yes | String | | | | |
| | | | | | | | |
| | | | | | | | Cancel |
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| w Format Definition a | nd Mapping | | | | | A Errors an | d Overrides |
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| | | Select Template File D | wlinition Mapping | | | | |
| | | | | | | | |
| | Incoming Format | i | P | syments Format | | î | |
| | Header Fields | Header Data | | Mapped Fields | | | |
| | partyld | corporateld | | | | | |
| | totalrec | corporateRef | | | | | |
| | totalAme | initiatingPartyC | D | | • | | |
| | debrtAcct | initiatingPartyld | | partyld | • | | |
| | Record Fields | initiatingPartyN | | | • | | |
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| | ant . | messageld | | | • | | |
| | currency | totalAmount * | | totalAmt | • | | |
| | AL ISA | | | | | | |

1. Refer to the following table for specifying details in the above screen:

Note:

Fields marked with '*' are mandatory.

Table 4-2 Field Description

| Field Name | Description | | | |
|-------------------------|--|--|--|--|
| Select Template Details | | | | |
| Transaction* | Select the Transaction from available list for which format identifier in being created | | | |
| Direction * | Select the Direction from available list for which format identifier in being created | | | |
| Format Identifier * | Select the Format Identifier from available list for which format definition is required. | | | |
| Format Mapping | Auto populates based on Transaction and Format Identifier selected | | | |
| Format Type * | Select the Format Type from the available list. Currently two Format Types are supported : | | | |
| | a. Separated | | | |
| | b. Fixed Length | | | |
| Delimiter | Enabled when Format Type selected is Separated. Select the delimiter from the available list. | | | |
| | Delimiters Supported – | | | |
| | a. (,) COMMA | | | |
| | b. () PIPE | | | |
| Template Name * | Provide a unique template name to the configuration | | | |
| Template | Select the template from the available list. | | | |
| | a. With Header | | | |
| | b. Without Header | | | |

File Definition Details

Note : Header and Record table are populated based on the Format Type and Template selected.

| Field | Autogenerated sequence number for each row. | |
|-----------------|--|--|
| Field Name* | Provide a field name. | |
| Fixed/Variable* | Select whether the field is Fixed or Variable type. | |
| Values | Enables when field is Fixed type. System validates the values given in this field. | |
| | Note: Multiple values can be provided separated by comma without space. | |
| Mandatory* | Select whether field is mandatory or not | |
| Datatype* | Select the datatype of the field from the list available | |
| Format | Select the format for the 'Date' datatype | |



| Field Name | Description |
|-------------------|--|
| Min Length | Enabled for Separate format type. Provide the minimum length of the field if validation is required. |
| | Note: Do not provide any value if validation is not required. |
| Max Length | Enabled for Separate format type. Provide the maximum length of the field if validation is required. |
| | Note: Do not provide any value if validation is not required. |
| Start | Enabled for Fixed Length type. Provide the start position of the field in the text file. |
| End | Enabled for Fixed Length type. Provide the end position of the field in the text file. |
| Padding Character | Enabled for Fixed Length type. Select the padding character of the field from the list. Select NA if not applicable. |
| Padding Alignment | Enabled for Fixed Length type. Select the padding alignment of the field from the list. Select NA if not applicable. |
| Action | Edit – Select this option to edit the row. Delete – Select this option to delete the row. |
| Mapping Details | |
| Incoming Format | Displays the list of fields defined on the File Definition page. |
| Payments Format | Displays the list of fields defined in the Transaction format. |
| Mapped Fields | Dropdown to display the Incoming format fields which can be mappe to the Transaction Format fields. |

| Table 4-2 (Collin) Field Descriptio | Table 4-2 (| (Cont.) | Field | Description |
|-------------------------------------|-------------|---------|-------|-------------|
|-------------------------------------|-------------|---------|-------|-------------|

View Format Definition and Mapping:

By using this screen, user can View, Modify, Delete or Authorize the Format Maintenance.

From the Electronic Data Exchange, select Maintenance, click Format Definition and Mapping, and then click View Format Definition and Mapping

| View Format Definition a | | | | | | | (DERALCENTITY) | Durbet Brench (508.) February 15, 2524 | Ģ | ANSHDEE |
|--|--|------|---------------------------------|--|------------------------|-------------------------------|---------------------------------------|--|--------------|-------------|
| | and Mapping | | | | | | | Errors a | d Overrides | :: |
| | | Back | 0 | | | Next | | | | |
| | | | Select Template | File Definition | Mapping | | | | | |
| | | | | | | | | | | |
| Transaction | Direction | | | Format Id | entifier | | Format Mag | pinz | | |
| Payments. | Incoming | | | FFTCSV | NithHeader | | FFICSVM | thHeader -+ Payments | | |
| Format Type | Delimiter | | | Template | Name | | | | | |
| Separated | . (COMMA) | | | TestCSV | WithHeader | | | | | |
| Select Template | | | | | | | | | | |
| | | | | | | | | | | |
| Separated (With Header) All Records with same columns | Separated (Without Header) All Records with same columns | | | | | | | | | |
| •View | Ovtew | | | | | | | | | |
| | | | | | | | | | | |
| _ | | | | | | | | | | Г |
| de | | | | | | | | | | |
| ORACLE | | | | | | | DEPAULTENTITY) | Durbei Branch (006.) February 18, 2004 | ÷ | ANSHD |
| iew Format Definition a | and Mapping | | | | | | | A Errors a | nd Overrides | |
| | | Back | 0 | 0 | | Next | | | | |
| | | | Select Template | File Definition | Mapping | | | | | |
| | | | | | | | | | | |
| Header | | | | | | | | | | |
| Field Field Name | Field/Variable Values | | | Mandatory | Data Type | Format | | Min Length | Max Length | |
| | Variable | | | | String | | | | | |
| 1 partyld | | | | Yes | | | | | | 1 |
| 2 totalrec | Variable | | | Yes | Number | | | | | 1 |
| 3 totalAmt | Variable | | | Ves | Amount | | | | | 1 |
| 3 totalAmt | | | | | | | | | | |
| 4 debitAcct | Variable | | | Yes | String | | | | | 1 |
| | Variable | | | Ves | String | | | | | 1 |
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| 4 deplace | | | | Yes. | String | | CERNATENTITY) | Durder Branch (500) Falcury (8, 2004 | - | ANSHDE |
| 4 OPERACE | | Buck | | | | Net | Constantist | | - | ANSHDE |
| 4 OPERACE | | Bak | Sebect Template | Ves File Defeation | String O Mupping | There | CON42700171) | | - | ANSHDE |
| 4 Orbelace | and Mapping | Bak | | | 0 Mupping | | Δ εσκύτρατι) | | - | NNSHDEE |
| 4 OPERACE | and Mapping | Bok | Select Template | | 0 Mupping | ments Format | | | - | WISHDE |
| 4 Orbelace | and Mapping Incoming Format Header Fields | Bok | Select Template | Pile Definition | 0 Mupping | | | | - | NNSHDEE |
| 4 orbitAcc | Incoming Formst Header Fields | Back | Select Template | File Duficition Rider Data poreteki | 0 Mupping | ments Format | - | | - | NNSHDEE |
| 4 orbitAcc | Incoming Format Header Fields | Beck | Select Template Heat corp | File Definition sider Data poratelid porateRef | 0 Mupping | ments Format | | | - | NNSHOE t |
| 4 Orbelace | Incoming Formst Header Fields | Beck | Select Template Heat corp | File Duficition Rider Data poreteki | 0 Mupping | ments Format | - | | - | NNSHDEE |
| 4 orbitAcc | Incoming Format Header Fields | Bek | Select Template | File Definition sider Data poratelid porateRef | 0 Mupping | ments Format | • | | - | WISHDE |
| 4 orbitAcc | Incoming Formst Header Fields (wathle) | Box | Select Template | File Dufinition sider Data porateld poratelRef lestingPartyCD actingPartyId | 0 Mupping | ments Format Mapped Fields | • | | - | NNSHDEE |
| | Incoming Formst Header Fields [workf] | Back | Select Template | Pile Dufinition rife Dufinition ader Data porateld porateld astingPartyCD astingPartyKi a | 0 Mupping | ments Format Mapped Fields | · · · · · · · · · · · · · · · · · · · | | - | NNSHDEE |
| 4 orbitAcc | Incoming Formst Header Fields [wathit] totake: [wathit] (wathit] (wathit] Record Fields [wathit] (wathit] (wathit] | Back | Select Template | File Dufinition Infer Dufinition ader Data ader Data | 0 Mupping | ments Format Mepped Fields | · · · · · · · · · · · · · · · · · · · | | - | NNSHDEE |
| 4 Orbelace | Incoming Formst Header Fields [workf] | Back | Select Template | Pile Dufinition rife Dufinition ader Data porateld porateld astingPartyCD astingPartyKi a | 0 Mupping | ments Format Mapped Fields | · · · · · · · · · · · · · · · · · · · | | - | WISHDE |
| 4 OPERACE | Incoming Formst Header Fields [wathit] totake: [wathit] (wathit] (wathit] Record Fields [wathit] (wathit] (wathit] | Back | Select Template | File Dufinition Infer Dufinition ader Data ader Data | 0 Mupping | ments Format Mepped Fields | · · · · · · · · · · · · · · · · · · · | | - | WISHDE |

Figure 4-2 View Format Definition and Mapping

Click on 'Audit' to view the event of operation performed on maintenance.

Figure 4-3 Format Definition and Mapping- Event of operation performed on maintenance

| View Format Definition a | nd Mapping | | | | firms and Overrides | :: > |
|--------------------------|---------------------|---------------------------------|-----------------|---|---------------------|------|
| | Reck | Select Template File Definition | O Turn | | | |
| | Incoming Format | i | Payments Format | | i | |
| | Header Fields | Header Data | Mapped Fields | | | |
| Maker | Checker | | | * | | |
| S CUCUMBERMKR | 2 CUCUMBERCHICR | | | * | | |
| | | | | * | | |
| 2024-02-18 23:02:12 | 2024-02-13 25:02:15 | | | - | | |
| Maker Submit | Approved | | | * | | |
| Status | Modification No | | | * | | |
| Authorized | 1 | | | * | | |
| ⊘ Open | | | | | | |

Perform the following steps to take actions on the Integration Preferences. Click the Options (1) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create Format Maintenance section for field level details. |
|--------------|--|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. View | To view the Format Maintenance details. |



5 Data Transformation

Data Transformation and Mapping

5.1 Data Transformation and Mapping

Oracle Banking Electronic Data Exchange for Corporates provides maintenance for data transformation and mapping for fields at the Bank level.

This maintenance will be used to create, view and edit the data that needs to be supported or transformedin specific cases.

| Table 5-1 | Supported | Transformations | Operations a | as given below - |
|-----------|-----------|-----------------|---------------------|------------------|
|-----------|-----------|-----------------|---------------------|------------------|

| Supported | Operation | Remarks |
|-----------|---------------------------------|---|
| | Transform a given Data Value | Can assign a predefined value for an incoming data in for the column selected. |
| | | Multiple unique incoming value can be transformed to predefined values. |
| | Assign Fixed or Variable Values | Can assigna fixed or variable (random value) to fields which are not mapped using File Definition |
| X | Splitting of Data | Can Split data coming in one field to multiple fields |

DataTransformation:

This screen can be invoked by clicking on the 'gear' icon next to the mapped columns in the Format Definition and Mapping page.



| /iew Format Definition and Mapping | | | Errors and Ove | errides |] |
|--|--|--------------|----------------|-------------|-------------|
| | | | | | |
| currency | chargeBearer | char | gerBearer 👻 | ٥ | |
| valueDate | chargesAccount | | | 0 | |
| creditAcc | contractid | | • | 0 | |
| debitNote | country | | • | ٥ | |
| creditNote | countryOfRes | | • | 0 | |
| chargerBearer | crAccCcy | | • | ٥ | |
| refnos | crAccName | | • | ٥ | |
| email | crAccTypeCd | | · | 0 | |
| network | | | | | |
| | - crAddressTvpe | | Ţ | | - Cancel |
| wdit W Format Definition | crAddressTvpe Enrichments (chargeBearer) | | Ĭ | | Cancel |
| W Format Definition | | | | | Cancel |
| w Format Definition | Enrichments (chargeBearer) | | | | Cancel |
| View Format Definitio | Enrichments (chargeBearer) Operation Transform Value | | | | + Add Row |
| View Format Definitio | Enrichments (chargeBearer) Operation Transform Value | _] | | [| + Add Row |
| View Format Definition | Enrichments (chargeBearer) Operation Transform Value Kongeneration From | То | | | + Add Row |
| View Format Definition | Enrichments (chargeBearer) Operation Transform Value From CRED | To CREDIT | | Action | + Add Row |
| v Format Definition | Enrichments (chargeBearer) Operation Transform Value Kongeneration From | То | | Action | + Add Row |
| v Format Definition View Format Definitio [] ORACLE View Format Definition and Mapping Correcy ValueCute CreditAcc CreditAcc CreditAcce ChargerBearer | Enrichments (chargeBearer) Operation Transform Value Assign Transformed Value From CRED DEBT Else Condition | To CREDIT | Value | Action | + Add Row |
| View Format Definition | Enrichments (chargeBearer) Operation Transform Value Assign Transformed Value From CRED DEBT | To CREDIT | Value OTHERS | Action | + Add Row |
| v Format Definition () View Format Definitio () CRACLE View Format Definition and Mapping (unreacy valueDate creditAcc (detathore creditAcc (chargerBearer | Enrichments (chargeBearer) Operation Transform Value Assign Transformed Value From CRED DEBT Else Condition | To CREDIT | Value OTHERS | Action 1 | + Add Row |

Figure 5-1 Data Transformation

1. Refer to the following table for specifying details in the above screen:



Table 5-2 Field Description

| Field Name | Description |
|----------------|--|
| Enrichments | |
| Add Row Button | Brings up an option to edit and maintain the data transformation |
| From | Allows to select the incoming value to transform |
| To* | Define the transformed value |
| Map As-Is | Keep any other values that are not configured above, as is. |

Table 5-2 (Cont.) Field Description

| Field Name | Description |
|------------|---|
| Map As | Map any other values that are not configured as a part of From and To , to a pre-defined value. |

View Data Transformation

Note:

Refer to 'View Format Definition and Mapping' section under File Format Definition and Mapping



Corporate Preference

- Transaction and Format Preferences
- Verification Preferences
- Banker & Channel Approval Rule
- Limits Validation

6.1 Transaction and Format Preferences

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, admin can configure transaction types that corporate can send files for processing. Corporate can also enable the ACK/NACK and the preferred format for receiving them. Admin can specify the transaction preferences for multiple transactions across Financial and Non-Financial Transaction categories in one go.

The channel approval rule can also be configured from this screen to route files to channel for approval before processing. The two conditions to trigger the routing - file threshold and number of records - can be setup by the bank user. The files satisfying the approval condition will be sent to the Oracle Banking Digital Experience/internet banking portal for further approval by corporate user, before processing.

The same maintenance allows bank user to maintain the Limit validation conditions for particular corporate before processing the files in application.

The bank user can enable or disable the limit validation check for various dynamic conditions across Financial or Non -financial transactions for the corporate while setting up the corporate preferences.

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 the application will stop file processing and will display the error reason for actual failure.

6.2 Verification Preferences

The user can do some verification preferences like Days for Dedupe Check, Behavior on Record Level Validation, Exception Management configuration, Checksum and Encryption settings.

Based on the configuration in above fields file will be processed, in case of any error file will be rejected and respective error code will be displayed in the File Inquiry screen.

Exception management is used to reprocess the file in case any error is found, and the user can go the exception management screen and reprocess the file.



6.3 Banker & Channel Approval Rule

The channel approval rules are setup to specify the conditions whether the file should be sent to channel for approval before processing, based on File Threshold Level Limit and number of records.

The user can configure the Channel Approval Rule for Financial & non-financial transactions in the Corporate Preferences setup. User can define number of records and minimum Amount limit condition with different currencies for financial transactions and number of records condition for non-financial transactions.

The files, those are satisfying the approval rule condition will be sent to the Oracle Banking Digital Experience channel for further Approval before processing. Oracle Banking Digital Experience, based on maintenance of FI Template, Approval Rules and Limit Packages will allow the approver to take further action on the file waiting for approval.

Oracle Banking Digital Experience will generate a Handoff response with individual Record status post-approval or rejection and the same will sent back to Oracle Banking Electronic Data Exchange for Corporates to update the status of the file.

Similarly, user can setup whether Banker Approval is required or not for the uploaded files at File level or Record level.

Banker approval rules are setup to specify the conditions whether the file should be sent to banker for approval before processing, based on File Threshold Level Limit and number of records. Bank user can define these rules in the Plato Rules as shown below. The user can create these rules using the predefined facts only.

Below are the facts which are shipped out of the box with the product.

- currencyCount This refers to distinct currency count present in the file.
- baseCurrency This is the base currency maintained for the corporate in Corporate Preference.
- recordCurrencyList This list contains distinct currencies present in the file.
- amount This refers to total amount present in the file irrespective of currency.
- noOfRecords This refers to total number of records present in the file.

| Figure 6-1 | Banker & | Channel | Approval | Rule |
|------------|----------|---------|----------|------|
|------------|----------|---------|----------|------|

| And and a second state of the second state of | Menu Item Search | Q View Fact | | | |
|---|------------------|-------------------|-------------|---------------|--|
| Filte: (Right Click on Row to open Details) Details) Pact lå Fact Name Description OstDX 301 currencyCount Currency Count OstDX 305 baseCurrency Base Currency OstDX 303 record CurrencyList Record CurrencyList OstDX 309 amount Amount OstDX | Fact | Product Processor | | | |
| Type to filter (Right Click on Row to epen Details) Details Fact ld Fact Name Decription Product Processor 301 currency-Count Currency Count OBEDX 305 baseCurrency-List Record Currency List OBEDX 303 recordCurrencyList Record Currency List OBEDX 309 amount Amount OBEDX | | OBEDX | Q | · • | |
| Fact Mar Fact Mar Description Fact Mar Pedud Peccessor 10 ourreny/Count Curreny Count OBEDX 205 baseCurreny Base Curreny OBEDX 303 recordCurrenyList Record CurrenyList OBEDX 309 amount Amount Amount OBEDX | | Filter: | | | |
| 201 currencyCount Currency Count OBEDX 305 baseCurrency Base Currency OBEDX 303 recordCurrencyList Record CurrencyList OBEDX 309 amount Amount OBEDX | | Type to filter | \otimes | | (Right Click on Row to open Details) Refresh |
| 305 baseCurrency Base Currency OREDX 303 recordCurrencyList Record Currency List OREDX 309 amount Amount OREDX | | Fact Id | Fact Name | Description | Product Processor |
| 303 recordCurrencyList Record CurrencyList OBEDX 309 amount Amount OEDX | | | | | |
| 309 amount Amount OBEDX | | | | | |
| | | | | | |
| 311 noOfRecords No Of Records OBEDX | | | | | |
| | | 311 | noOfRecords | No Of Records | OBEDX |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



6.4 Limits Validation

The Limit validation on Corporate Preference allows bank user to maintain the Limit validation conditions for corporate before processing the files in application.

The bank user can enable or disable the limit validation check by selecting the check box at Limits step while setting up the corporate preference. This Limit Validations are defined for various dynamic conditions across Financial or Non -financial transactions for the corporate.

User can define the preferred limit currency while setting up the limit check precondition, so that system will convert and execute limit validation as per preferred currency specified.

Amount limit validations can be defined based on Limit test to see that the value does not exceed a predetermined limit. The check includes Maximum File Limit, Record Limit & Maximum Amount per day. This check is applicable only for Financial Transaction.

Application allows user to define Count Limit's condition that performs Record Test. Count limits can be defined for both financial and non-financial transactions. The check includes Maximum Records per File,Maximum Records per Day &Maximum Files per Day

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 the application will stop file processing and will display the error reason for actual failure.



7 Integration Preferences

Integration Preferences Maintenance

7.1 Integration Preferences Maintenance

Integration Preferences are configured to identify the system who will perform the parsing, outgoing file generation and handoff processing. User can define the integration preference settings for each underlying processing system for these functions for each transaction.

User can define the preferences based on each incoming format or can select a generic configuration for 'All' formats of the selected transaction.

Create Integration Preferences:

This screen is used to create Integration Preferences.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Integration Preferences**, and then click **Create Integration Preferences**

Figure 7-1 Create Integration Preferences

| | OR/ | ACLE | _ | | | | | | | EPACIENTY) | Darbe Branch 200 Hay 10, 2020 | () | φ | AAKASH 🛩 |
|------|---------|---------------|------|-------------------------|------------------|---------------------|--------------------|------------------------------|-------------------|-----------------|----------------------------------|-------------|-----------------|-----------|
| | grat | ion Mainten | ance | | | | | | | | | 1 | bears & Oversit | •• (; × |
| Tana | etter C | | | havash | | | | | | | | | | |
| ~ | | | | Paper | | - | | | | | | | | |
| ANN | - | fatters | | | | | | | | | | | | |
| | | Service Tayle | | Format | Service Provider | Integration Type | Service Consume | Service Consumer Service | Handalt Econot | Outgoing Owened | ATR Host | P10 Port | PTP Usersame | ftP2eseed |
| 0 | 95 | HANDOFF | | ALL | OBPM | File and SFTP | OBEDX | nettly file-spicast-to-otgen | PARADOTVO | EDOrgongreend | 80036281345 | 22 | skondote | TREDNOG |
| 0 | 8 | OUTGOING | | ALL. | OBEDK | file; | | | | | | | | |
| | 22 | INFSING | | IMMODVO-Incoming | OBEDR | File | | | | | | | | |
| | 18 | PARSING | | DomesticFTSD5C-Incoming | THED_PARTY | AR | OBEDX | send_file_to_trace | | | | | | |
| | 8 | PARSING | | Domestic/TSDMC-Incoming | THRD, PWRTY | 431 | OBEDK | send_file_to_base | | | | | | |
| 0 | 10 | PARSING | | Internal/TSDAC-Incoming | THED, MRTY | API | OBEDX | well, Ne, Jo, Sale | | | | | | |
| Auto | | | | | | | | | | | | | Care | 4 544 |

Figure 7-2 Add /Edit Screen

| ogretion Details | | | | |
|-----------------------------|---|---|--------------|--|
| Basic Details | | | | |
| Service Type | | format | | |
| Handoff | • | AL . | | |
| Service Provider | | integration Type | | |
| COPM | | File and SETP - | | |
| Integration Details | | Service Consumer Service | | |
| Service Conserver OBEDIA | | Service Consumer Service notify-file-upkao-to-otpm | | |
| | | | | |
| Real of Format | | Outgoing Channel | FTF Hand | |
| WAROON'S | | ECOID-ingoinginterval | 10075/31245 | |
| (TP Port | | FTP (hermone | (19 Percent) | |
| 22 | | skostita | | |
| | | 1 m m 1 m | | |
| | | | | |



| egratico Details | | | |
|---|--------------------------|--|----------|
| Basic Details | | | |
| Service Type | Former | Copy Netropretion Details | |
| Farsing • | Internal#TSDMC Incoming | • Select • | |
| lervice Provider | Integration Type | | |
| thed Party . | APT | • | |
| | | | |
| | | | |
| | Service Consumer Service | Pasaretas | |
| OBEDH | Service Consumer Service | Parameters playment to edu-playment con darts | |
| OBEDH | | | |
| fer nue Geneumer OBEDR Henry Count 2 | | | |
| OBEDN Henry Count | Dues Star | | Ast Geod |

Refer to the following table for specifying details in the above screen:



| Fields marked with '*' are mandator | у. | | | | | | |
|-------------------------------------|---|--|--|--|--|--|--|
| Table 7-1 Field Description | | | | | | | |
| Field Name | Description | | | | | | |
| Transaction Category * | Select Transaction Category, for selecting transaction under that category | | | | | | |
| Transaction Name * | Select Transaction name from the available List. | | | | | | |
| | Note: The transaction name list will populate depending on the Transaction Category selected in the previous selection. | | | | | | |
| Add Screen | | | | | | | |
| Service Type | Select the service type: Parsing / Handoff Outgoing / External Validations / Statemer for which preferences are to be setup. | | | | | | |
| Parameters | Enable when Service Provider is Third Party and Integration type is API. | | | | | | |
| | Used for giving parameters which can be helpful for integration When Service Type = Statement, Statement Formats will be displayed in the dropdown. | | | | | | |
| Format | Select Incoming/Outgoing Format for whic preferences to be maintained. | | | | | | |
| | When Service Type = Parsing/Handoff, Incoming Formats will be displayed in the dropdown. | | | | | | |
| | When Service Type = Outgoing, Outgoing & Acknowledgement type formats will be displayed in the dropdown. | | | | | | |
| Copy Integration Preference | It is displayed based on the Service Type selected. | | | | | | |
| | When Service Type = Parsing, all formats configured for Parsing is displayed. | | | | | | |
| | When Service Type = Handoff, all formats configured for Handoff is displayed. | | | | | | |
| | When Service Type = Outgoing, all formate configured for Outgoing is displayed. | | | | | | |



| Field Name | Description | | | | | | |
|--------------------------|---|--|--|--|--|--|--|
| | When Service Type = Statement, all formats configured for Statement is displayed. | | | | | | |
| | Field will be displayed only if there is an existing record in the maintenance table. | | | | | | |
| Service Provider | Select the system who will process the service selected. | | | | | | |
| | Note: Possible Values: OBEDX / Third Party / OBVAM / OBPM If OBEDX, then it's internal parser. | | | | | | |
| Integration Type | Select the type of integration type whether it is File Based, File & SFTP Based, API and File & API based integration. | | | | | | |
| Service Consumer | Provide OBRH Service Consumer Name. Note: Displayed when Integration Type selected is either API or File and SFTP | | | | | | |
| Service Consumer Service | Provide OBRH Service Consumer Service | | | | | | |
| | Note: Displayed when Integration Type selected is either API | | | | | | |



| Field Name | Description |
|--------------------------|---|
| | or File and SFTP |
| Handoff Format | Display the Handoff format in case of File or File & SFTP based integration. |
| Outgoing Channel | Display the outgoing channel in case of File or File & SFTP based integration. |
| FTP Host | Provide the FTP Host in case of SFTP based integration. |
| FTP Port | Provide the FTP Port in case of SFTP based integration. |
| FTP User Name | Provide the FTP Username in case of SFTP based integration. |
| FTP Password | Provide the FTP password in case of SFTF based integration. |
| FTP File Path | Provide the FTP File Path in case of SFTP based integration. |
| Is Response Downloadable | Select whether response is downloadable or not. |
| Response File Path | Provide the response file path where the response files will be placed on the server. |
| Download Channel Name | Select the channel name from which file will be downloaded. |
| Dedupe Check Days | Provide the number for days which dedupe to be checked on the response file. |
| File Filter | Provide the file filter based on which file wi be checked. |
| Retry Count | Number of times retry will be done in case of API based integration. |
| Chunk Size | Chunks to be created during API based integration. |

View Integration Preferences:

By using this screen, user can View, Modify, Delete or Authorize the Integration Preferences Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Integration Preferences**, and then click **View Integration Preferences**



Figure 7-3 View Integration Preferences

| ORACL | e | | | | | | | | | | | DENACIONITY) | Durbel 918 1984 18, 2025 | ea tope (| ¢ | AMKASH V |
|---|------------|-------------|----------------------|----------------|------|---------------------|-----------------|----------|--------------------------------------|----------------|-----|--------------------|-----------------------------|-------------|---|----------|
| View Integra | tion Prefe | rence | 5 | | | | | | | | | | | | | () × |
| 9.0 | | | | | | | | | | | | | | | | 10.8 |
| Tonactor femil Payments | | 1 | Open Virtual | Account | 1 | Close Virtuel | Account | 1 | Add Special R | lates | 1 | Auto Money | Transfer | | | |
| Ternaction_ Pr | syment | | TransactionV | Intuil Account | | Transcton V | fertual Account | | Ternation V | Intual Account | | Toronaction I | layment | | | |
| D Authorized | fi Open | (B1 | D Autorited | £ Open | 81 | D Antonized | få Open | 121 | D Autorated | ffi Open | 951 | D Autoriast | & com | 81 | | |
| Turse ten heres Auto Funds Transfer I Auto Money I | | | Auto NEFT 1 | | | Auto IMPS I | | | Transition Transit Domestic Funds | | | | | | | |
| Terraction P | syment | | Transaction_ P | wyment. | | Transaction Payment | | | Transaction Payment | | | Instaction Payment | | | | |
| D Authorized | 6 Open | <u>98</u> 1 | D Authorized | & Open | 681 | D Authorized | & Open | <u>1</u> | D Authorized | 6 Open | 651 | C Autosterd | 6 Open | <u>12</u> 1 | | |
| v [| | 982 | (1 - 10 of 19 kerne) | × • (1 |]2 • | ж | | | | | | | | | | |

Click on 'Audit' to view the event of operation performed on maintenance.

Perform the following steps to take actions on the Integration Preferences. Click the Options (\pm) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create Integration Preferences section for field level details. |
|--------------|---|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. Close | To close record temporary |
| | Optional: On the confirmation pop-up window, enter the remark for closing. |
| | Click Confirm to close the record. |
| 5. Reopen | To reopen the maintenance record which is temporary Closed |
| 6. View | To view the Integration Preferences details. |

8 Dedupe Rule Maintenance

Dedupe Rule Maintenance

8.1 Dedupe Rule Maintenance

De-duplication rules are configured to identify duplicate files or records in the files received for processing. Data de-duplication is a process that eliminates excessive copies of data. Post syntactical validation, file transformation and record extraction in Electronic Data Exchange, de-dupe rule is run to eliminate duplicates.

Bank user can configure de-dupe rules for a file as well as for record level.

If a duplicate file is identified, the file is rejected. If a duplicate record is identified, only that record gets rejected and rest of the records are pushed for further processing.

Create Dedupe Rules:

This screen is used to create Dedupe Rules.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Dedupe Rules**, and then click **Create Dedupe Rule**

Figure 8-1 Create Dedupe Rule

| e oracle | | | (DEMALTERITY) | Durbatileuruh (min Merint 200 | ф алкалн у |
|-----------------------|------------------------------------|------------------|---------------|----------------------------------|------------------------|
| Create Dedupe Rules | | | | | 🛆 freesk Dennike 🚦 🛟 🗙 |
| Rules Criteria | | | | | |
| Rule Rame | Rule Description | Land | Rule Tayle | | |
| File Level Dedupe | File Level Deckape for Payments | Pie O Report | O Generic | Specific | |
| Transaction Collegies | henector Ige | Transaction Name | | | |
| Payrieit • | Prancal • | Payrieini • | | | |
| De-Dupe Attributes | | | | | |
| Pile Attributes | Manifust of Gogs for Do-Dogs Check | | | | |
| File Name # | 10 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | Careal See |

1. Refer to the following table for specifying details in the above screen:





| Field Name | Description | | | | | | |
|-----------------------|---|--|--|--|--|--|--|
| Rules Criteria | | | | | | | |
| Rule Name * | Enter Rule name | | | | | | |
| Rule Description * | Enter Rule description | | | | | | |
| Rule Level * | Select if de-dupe rule is being setup at Record of File level | | | | | | |
| Rule Type * | Select if the rule should be generic or specific to transaction. | | | | | | |
| | Rule type is application only for File Level Rules. If user selects Generic Rule Type, then the rule that has been created with generic rule condition is applicable for all transaction under the Transaction Category selected. Application will execute Generic De-dupe rule only when there is no specific Transaction rule is defined. | | | | | | |
| Transaction Category* | Select Transaction Category, for selecting a transaction under that category | | | | | | |
| Transaction Type * | Select Financial or Non- Financial for filtering the transactions basis on that | | | | | | |
| Transaction Name * | Select Transaction name from the available List. | | | | | | |
| | Note: The transaction name list will populate depending on the Transaction Category selected in the previous selection. Multiple Transactions Names will be segregated and arranged with respect to Transaction Category | | | | | | |
| Dedupe Attributes | | | | | | | |
| File Attributes * | Select File Level data duplication attributes like File Message ID, File Name etc. so that the system can run de- dupe rules on those conditions | | | | | | |

Table 8-1 Field Description



| Field Name | Description |
|------------------------------------|--|
| Record Attributes * | Select Record Level data duplication attributes so that the system can run de- dupe rules on those conditions within file. |
| | The attributes in the dropdown are populated as applicable for each transaction. In case of Payments below fields are displayed, |
| | File Reference Id, Payment Method, Instruction Priority, Value Date |
| | Debtor Account No, instructionID, Transaction Reference Number, Amount, Currency, Currency Of Transfer, Beneficiary Name, Beneficiary BIC, Beneficiary Account, Iban, Transaction Date |
| | In case of Virtual Account Management transaction, Record Identifier is displayed. |
| | These attributes are configurable and bank user can maintain the attributes as agreed upon. |
| Number of Days for De-Dupe Check * | Set up the number of days within which the system should perform the duplicate check with previously received files This would be overridden by the duration maintained at corporate preference (if maintained) |

Table 8-1 (Cont.) Field Description

View Dedupe Rules:

By using this screen, user can View, Modify, Delete or Authorize the Dedupe Rules Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Dedupe Rules**, and then click **View Dedupe Rule**

Figure 8-2 View Dedupe Rule

| ORACL | æ | | | | | | | | | | | DEMACRATING 1 | Ourbert Base March 1, 202 | (A 1906.) | Ģ | AMOASH ~ |
|-----------------------------|-----------|-----|----------------------|-------------|-------|---------------|-------------|----------|---------------------------|---------|-----|----------------------------|------------------------------|-----------|---|----------|
| View Dedup | e Rules | | | | | | | | | | | | | | | (; × |
| 9.0 | | | | | | | | | | | | | | | | I≣ 8 |
| RecordLevel0 | edupeRule | 1 | File Auto Fun | ds Transfer | 1 | File Auto IMP | s | 1 | Riehenst File Auto Mor | ev. | i. | funitaria File Auto Mor | ney Transfer | 1 | | |
| Level R | ecord | | Level P | te . | | teni I | tie . | | Level F | 54 | | Level 3 | 14 | | | |
| D'unauthoriset | B Open | 81 | C Autoroad | 6 Open | 251 | C Authorized | & Open | 12 12 | C Autorized | di Open | 121 | C Authoritied | E Open | 211 | | |
| Pule Norec File Domestic | Funds | | Record Auto I | Funds Trans | fer 1 | Record Auto | Money Trans | sfer (| Record Auto 1 | VEFT | i. | Rushame: Record Dome | estic Funds | 1 | | |
| Loui P | | | Level # | lecord | | Level I | lecord | | Level # | lecord | | Level B | lecord | | | |
| D Authorized | 6 Coler | 121 | DAutorated | fi Open | R51 | D Authorized | 6 Open | 1251 | D Autorast | fo Open | 121 | C Authorized | di Open | 251 | | |
| Page 1 | | 014 | (1 - 10 of S2 berry) | × + [| . • | а • э | | | | | | | | | | |



Figure 8-3 File Level – Specific

| ORACLE | | | Elevatory) | Darder Burelli (20 Marth-(2023 | •) 0 | AARASH 5 |
|--------------------------|-----------------------------------|------------------|------------|-----------------------------------|--------------|----------|
| Dedupe Rules Maintenance | | | | | A Drank Owen | |
| Rules Criteria | | | | | | |
| Rule Name | Role Description | Local | Rule Type | | | |
| TheOwnpeRule | FarDedupeRule | # File O Record | O Genera | Specific | | |
| Nanachin Languy | Namaction Type | Transaction Name | | | | |
| Payment | Financial • | Payments. | | | | |
| De-Dupe Attributes | | | | | | |
| Elle Adorbutes | Number of Days for De Days Clerck | | | | | |
| Message id # | 310 | | | | | |
| | | | | | | |
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Figure 8-4 File Level – Generic

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|--------------------------|---------------------------------|---------------|--------------|--------------------------------------|-----------------|
| Dedupe Rules Maintenance | | | | A 6- | usādvenīdes 🛟 🗙 |
| Rules Criteria | | | | | |
| Rule Name | Rule Description | Land | Role Type | | |
| File Auto Fungs Transfer | File Auto Funds Transfer | File O Record | Generic | O Specific | |
| Transaction Category | | | | | |
| Pagnené | | | | | |
| De-Dupe Attributes | | | | | |
| File Attributes | Namber of Doys for De-Dape-Owek | | | | |
| Ele Name × | U | | | | |
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| And I | | | | | Cardon Cardon |

Figure 8-5 Record Level

| e oracle | | | Directority) | Data Back (201) Heat (202) | ASH 🗸 |
|--------------------------|----------------------------------|------------------|--------------|-------------------------------|-------|
| Dedupe Rules Maintenance | | | | 🛆 Evers & Overslee | (; × |
| Rules Criteria | | | | | |
| Rule Name | Rule Description | Laval | | | |
| Record, evelOptopeFoie | Record, evel Declapefule | O File @ Record | | | |
| Transaction Calegory | Transmission Type | Transaction Name | | | |
| Egneri • | Feierclat | Pagnerits • | | | |
| De-Dupe Attributes | | | | | |
| Record Attributes | Namber of Days for De-Dapa Oreck | | | | |
| Transaction Reference a | 520 | | | | |
| | | | | | |
| | | | | | |
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| Autt | | | | Canal | See |

1. Click on '**Audit'** to view the event of operation performed on maintenance.



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|---|------------------------|---|------------------------------|
| Dedupe Rules Maintenance | | | 🖄 Erers & Concutor 🗧 🛟 🗙 |
| Rules Critteria | | | |
| Rule Name | Rule Description | | |
| Record and Geologic Rule | Record.aveContropellum | O File 🗰 Record | |
| Researcher Cologery | kanaritar lapr | () Remain theoremain () | |
| Passed - | franka - | Passed) * | |
| Mater | Checker | | |
| A EUCOMBERNICE | 2 | | |
| B 1/1/2023 107/57 AM | 18 | | |
| semark entered via curumber selemium auto test | | | |
| Status | Modification No | the second se | |
| ▲ Unauthorped | 1 | and the second second second second | |
| Ø Open | Show Motory | | |
| Adt | | | Course law |

Figure 8-6 Event of operation performed

Perform the following steps to take actions on the Dedupe rules Details. Click the Options (\pm) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create De-dupe Rules section for field level details. |
|--------------|---|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |
| 4. Close | To close record temporary |
| | Optional: On the confirmation pop-up window, enter the remark for closing. |
| | Click Confirm to close the record. |
| 5. Reopen | To reopen the maintenance record which is temporary Closed |
| 6. View | To view the De-dupe Rules details. |

9 Correlation Rule Maintenance

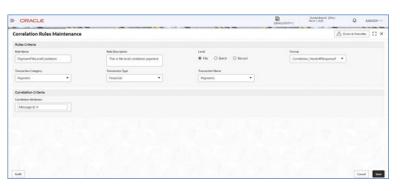
Correlation Rule Maintenance

9.1 Correlation Rule Maintenance

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Correlation Rules**, and then click **Create Correlation Rules**

Figure 9-1 Create Correlation Rules



1. Refer to the following table for specifying details in the above screen:



Table 9-1 Field Description

| Field Name | Description |
|-----------------------|--|
| Rules Criteria | |
| Rule Name * | Enter Co-Relation Rule name |
| Rule Description * | Enter description for the Co-Relation Rule |
| Level * | Select if correlation rule is being setup at Record or File level |
| Format * | Select format type of the file metadata |
| Transaction Category* | Select Transaction Category of the transaction for which Co-Relation rule is being setup |
| Transaction Type * | Select the transaction type (financial/non-financial) for filtering the transaction for which the rule needs to be created |
| | |



| Field Name | Description |
|---------------------------|---|
| Transaction Name * | Select Transaction name from the available List. |
| | Note: The transaction name list will populate depending on the Transaction Category selected in the previous selection. Multiple Transactions Names will be arranged with respect to Transaction Category |
| Co-Relation Criteria | |
| Co- Relation Attributes * | Define co-relation attributes by selecting all attributes or choosing from the available list to compare and reconcile the status of the records |

Table 9-1 (Cont.) Field Description

View Correlation Rules:

By using this screen, user can View, Modify, Delete or Authorize the Correlation Rules Maintenance.

Navigation Path:

From the **Electronic Data Exchange**, select **Maintenance**, click **Correlation Rules**, and then click **View Correlation Rules**

Figure 9-2 View Correlation Rule

| ORACLE | | | | Denautorine; | Durbalitanti (004.) Hacir (200 | ¢ | AUXIST |
|---|---|---|--|--------------|-----------------------------------|---|--------|
| View Correlation Rules | | | | | | | () × |
| 9.0 | | | | | | | E 8 |
| Rot fame: Close_CorelationRerun100 | Close_CorelationRerun300 1 | Respen_CorelationRerun100 (| Respen_CorelationRerun2 | Reopen_Con | elationRerun3 1 | | |
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| D'Autoriset El Opero SET | Chartenter & Com 201 | D'Autorized & Const 101 | D'Authorizet & Closed Ø31 | C Autorust | A Closed 121 | | |
| Automic Close_CorelationRerun200 (TerractionRepresent TerractionRepresent | Normana VARIBLEVERCorelation (Sensetion Vehal Account Tensetion Non Financial | National PaymentFileLevelCorelation (Statustion Payment Transcom Readed | | | | | |
| Distrocted & Coost #2 | Distantionant & Open (201 | Distantional & Open (81 | | | | | |
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Figure 9-3 File Level

| ORACLE | | | Defeat Matter | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA |
|------------------------------------|---|------------------|---------------|--|
| Correlation Rules Maintenance | | - | | A Desta Chanika () X |
| Rules Criteria | | | | |
| Sale Name | Note Description | Lord | Farmet | |
| PaymentFlat.contContains | This is this level constantion population | File | Constan | on, NextofFergeneeflamet |
| Remarker Category | Sumation Spe | Transaction Name | | |
| Reynent | Fearcial | Payments | | |
| Correlation Criteria | | | | |
| Condution Attributes Mercuage M | | | | |
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| Ault | | | | Ganad |



Figure 9-4 Record Level

| ORACLE | | | BetaAlterty) Sector Reset (2014) | Ф авклон ч |
|---|--|-----------------------------|----------------------------------|-----------------|
| Correlation Rules Maintenance | | | | Death Oversides |
| Rules Criteria | | | | |
| Rain Name Record, evel Carnatetico Ruie | Note Description Record, event constrained take | Level Record | Parent Rebolicies | |
| Sumalin Congry Dynam | Transation Type Financial | Transaction Rene Physics | | |
| Correlation Criteria | | | | |
| Kanalation Attribution Transactions Reference Number | | | | |
| | | | | |
| | | | | |
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| nutt | | | | |

1. Click on '**Audit'** to view the event of operation performed on maintenance.

| | | | anne altanen (1994) 🗘 AARAGE - |
|-------------------------------|------------------------------|-----------------------|--------------------------------|
| Correlation Rules Maintenance | | | 🛆 forest (benefit) 🛟 🗧 |
| Rules Criteria | | | |
| Rate Narras | Rule Description | hand | Parad |
| Incontained Constant of Sale | Record and Constanting State | Backet | awayoogno. |
| Barnar tere (alogory | Reported Ign | Tamarina New | |
| Papiers | Francet | Payments | |
| Maker | Decker | 1 | |
| S. (estimate | 2. OREDICIEEDER | | |
| III 3/30/2022 12:00:00 AM | III 1/30/2022, 12:00:00 AM | | |
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| © com | | and the second second | |
| Auto | | | Tava |

Figure 9-5 Event of operation performed

Perform the following steps to take actions on the Correlation rules Details. Click the Options (\pm) icon and then click any of the below option:

| 1. Unlock | To modify the record details. Refer to the Create Correlation Rules section for field level details. |
|--------------|---|
| 2. Authorize | To authorize the record. Authorizing requires necessary access rights. |
| | Optional: Click View to view the record details. |
| | Select the record to authorize and then click Approve. |
| | Record can also be Rejected by clicking Reject. |
| 3. Delete | To delete the data permanently, which is not yet authorize. |



| 4. Close | To close record temporary Optional: On the confirmation pop-up window, enter the remark for closing. Click Confirm to close the record. |
|-----------|---|
| 5. Reopen | To reopen the maintenance record which is temporary Closed |
| 6. View | To view the Correlation Rules details. |



10 File Upload

File upload option allows Bank user to upload a file for a Corporate. This function is mainly given for the cases where Corporate is facing some challenge in sending the file via defined network or channel.

The type of the file (extension) to be uploaded has to be maintained in application before uploading the file. If the format of the uploaded file is not maintained in the system, the file will be rejected.

- File Upload Screen
- Formats Supported (Out of the Box)

10.1 File Upload Screen

This screen is used for uploading the Bulk File.

Navigation Path:

From the Electronic Data Exchange, click File Upload

| Figure | 10-1 | File | Upload |
|--------|------|------|--------|
|--------|------|------|--------|

| ORACLE | | | | GETNAZOVITY) | Ounter Blanch (2003) March (12020 | Q ллклэн∨ |
|---|----------------|-------------------------|----------|--------------|--------------------------------------|-----------|
| File Upload | | | | | | () × |
| Corgoniate @ | Cirgonale Name | | Abas | Gaine | | |
| 002850 Q. | AEDL3 COOP | | AUSTLA | Auto | Constructment • | |
| Drag and Drop | | | | | | |
| File Name II | Histor \$ | He Last Modified | Action C | | | |
| NESTLE, ANNOUNIS, Payments, 2022101011754 | 112 | 10 May 2025 10 Secti AM | 1.0 | | | |
| Upbed Dee | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

1. Refer to the following table for specifying details in the above screen:





| Field Name | Description | | | |
|--------------------|--|--|--|--|
| Corporate ID * | Search Corporate ID, for whom file Bulk file is need to be upload in Oracle Banking Electronic Data Exchange for Corporates | | | |
| | Note: If a file is uploaded for a forgotten customer, it will get failed in file processing. | | | |
| Corporate Name | Corporate Name will populate here ,after selecting corporate ID | | | |
| Alias Name * | Alias Name of the corporate will populate here ,after selecting corporate ID | | | |
| Channel Name * | Select incoming channel name for file processing | | | |
| Drag and Drop | Click on this link to upload Files for Bulk Processing. Note: You can upload max 10 files in single upload. Application will restrict from uploading duplicate file. First step file validation will be done before final upload | | | |
| File Name | Display file name of the uploaded file | | | |
| File Size | Display file size of the uploaded file | | | |
| File Last Modified | Display last modified date of the file | | | |
| Action | Click on this button to delete the file | | | |
| Upload | Click on this button to upload the files | | | |
| Clear | Click on this button to clear everything added | | | |

Table 10-1 Field Description

10.2 Formats Supported (Out of the Box)

1. Payments

- a. pain.001.001.06 (standard ISO20022 format)
- b. MT101 (Standard Swift format)
- c. CSV (Configurable using Format Definition Screen)
- d. Fixed Length (Configurable using Format Definition Screen)
- 2. Virtual Account Open & Virtual Account Close -CSV (Proprietary Format)

Field Specifications -



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|----------------------------|--|-----------|--------|--|
| 1 | Action | Specifies the operation to be performed. Allowed Operations are: | NA | NA | Y in case of VA creation & closure |
| | _ | New: Creation of Virtual Accounts | | | |
| | - | Close: Closure of existing Virtual Accounts | | | |
| 2 | Branch Code | Branch under which Virtual account to be created | VARCHAR2 | 3 | Y in case of VA creation |
| 3 | virtual Entity ID | Virtual Entity for which Virtual account to be created | VARCHAR2 | 12 | Y in case of VA creation |
| 4 | Real Customer Number | Real Customer number for which Virtual Account to be created | VARCHAR2 | 20 | Y in case of VA creation & closure |
| 5 | Account Currency | Account Currency | VARCHAR2 | 3 | Y in case of VA creation |
| 6 | Virtual Account Product | Product under which Virtual Account to be created | VARCHAR2 | 4 | Y in case of VA creation |
| 7 | Virtual Account Number | Virtual Account Number. This is applicable for Modify and Close Operation | VARCHAR2 | 20 | Y in case of VA closure |
| 8 | IBAN Required | Valid values are | CHAR | 1 | Ν |
| | | Y N | | | |
| 9 | IBAN Account Number | IBAN Account Number | VARCHAR2 | 30 | N |
| 10 | Virtual Account Name | Account Name | VARCHAR2 | 105 | Y in case of VA creation |
| 11 | Address Line 1 | Correspondenc e Address Line 1 | VARCHAR2 | 35 | Ν |
| 12 | Address Line 2 | Correspondenc e Address Line 2 | VARCHAR2 | 35 | Ν |

Table 10-2 Field Description



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|-------------------------------------|--|-----------|--------|--------------------------|
| 13 | Address Line 3 | Correspondenc e Address Line 3 | VARCHAR2 | 35 | Ν |
| 14 | Address Line 4 | Correspondenc e Address Line 4 | VARCHAR2 | 35 | Ν |
| 15 | Address Pin code | Correspondenc e Address Zip code | VARCHAR2 | 15 | Ν |
| 16 | Address Country Code | Correspondenc e Address Country Code | VARCHAR2 | 3 | Ν |
| 17 | Account Purpose | Description of Account Purpose | VARCHAR2 | 105 | Ν |
| 18 | Interest Calculation Required | Flag to indicate whether Interest Calculation is required for the Virtual Account. | CHAR | 1 | Ν |
| | | Valid values are: | - | | |
| | | Y | - | | |
| | | N | | | |
| 19 | Account Frozen | Flag to indicate whether Virtual Account is frozen. | CHAR | 1 | Ν |
| | | Valid values are: | - | | |
| | | Y | | | |
| | | Ν | | | |
| 20 | Balance Check for Debits | Flag to indicate whether balance check is required for debit transactions. | CHAR | 1 | Ν |
| | | Valid values are: | | | |
| | | Υ | | | |
| | | Ν | | | |
| 21 | Balance Availability Options | Balance Options: Available options are: | CHAR | 1 | Y in case of VA creation |
| | | Own Balance + Fixed Amount from Pool | | | |

Table 10-2 (Cont.) Field Description



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|--|---|-----------|--------|-----------|
| | | Pool Balance | _ | | |
| | | Own Balance + Fixed Amount from Pool | | | |
| 22 | Fixed Amount from Pool | Fixed Amount contribution from pool | NUMBER | 22,3 | Ν |
| | | This is applicable for "Bal Availability Options" as "Own Balance + Fixed Amount from Pool" | | | |
| | | Y | | | |
| | | Ν | | | |
| 23 | Overdraft Allowed Valid values are: | Flag to indicate whether virtual account can be overdrawn. | CHAR | 1 | Ν |
| | Y | Valid values | | | |
| | N | are: | | | |
| 24 | Overdraft Sanction Amount | Overdraft amount sanctioned | NUMBER | 22,3 | N |
| 25 | Credit Transactions Allowed | Flag to indicate whether credit transactions are allowed on the virtual account | CHAR | 1 | Ν |
| | | Valid values are: | | | |
| | | Y | - | | |
| | | Ν | | | |
| 26 | Debit Transactions Allowed | Flag to indicate whether debit transactions are allowed on the virtual account | CHAR | 1 | Ν |
| | | Valid values are: | - | | |
| | | Y | - | | |
| | | Ν | | | |

Table 10-2 (Cont.) Field Description



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|---------------------------------------|---|-----------|--------|----------------------------|
| 27 | Real Account Linkage | Account Linkage Options. | CHAR | 1 | Ν |
| | | Valid values are: | - | | |
| | | S-Structure Level | _ | | |
| | | A-Account Level | _ | | |
| | | Default value is "A" | - | | |
| 28 | Real Account Number | Real Account Number of the realAccLinkage = 'A' | VARCHAR2 | 20 | Ν |
| 29 | Real Account Currency | Real Account Currency. Applicable if realAccLinkage = 'A' | VARCHAR2 | 3 | Ν |
| 30 | Real Account Branch | Real Account Branch. Applicable if realAccLinkage = 'A' | VARCHAR2 | 3 | N |
| 31 | Overdraft Start Date | Overdraft Start Date | DATE | | Ν |
| 32 | Overdraft End Date | Overdraft End Date | DATE | | Ν |
| 33 | Remarks | Account Remarks | VARCHAR2 | 200 | Ν |
| 34 | Transfer In Virtual Account No | In case of negative balance, a designated Virtual Account Number from where the said amount needs to be transferred from. | VARCHAR2 | 20 | Y in case of VA closure |
| 35 | Transfer Out Virtual Account No | In case of positive balance, a designated Virtual Account Number to which the said amount needs to be transferred to. | VARCHAR2 | 20 | Y in case of VA closure |

Table 10-2 (Cont.) Field Description



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|---|--|-----------|--------|--------------------------|
| 36 | Structured Address Department | Structured Address - Department | VARCHAR2 | 70 | Ν |
| 37 | Structured Address Sub Department | Structured Address -Sub Department | VARCHAR2 | 70 | Ν |
| 38 | Structured Address Street Name | Structured Address - Name of Street | VARCHAR2 | 70 | Ν |
| 39 | Structured Address Building Number | Structured Address - Building Number | VARCHAR2 | 16 | N |
| 40 | Structured Address Building Name | Structured Address - Name of Building | VARCHAR2 | 35 | N |
| 41 | Structured Address Floor | Structured Address -Floor | VARCHAR2 | 70 | Ν |
| 42 | Structured Address Post Box | Structured Address - Postbox | VARCHAR2 | 16 | Ν |
| 43 | Structured Address Room | Structured Address - Room | VARCHAR2 | 70 | Ν |
| 44 | Structured Address Post Code | Structured Address - Postcode | VARCHAR2 | 16 | Y in case of VA creation |
| 45 | Structured Address Town Name | Structured Address - Name of Town | VARCHAR2 | 35 | Y in case of VA creation |
| 46 | Structured Address Town Location Name | Structured Address -Town Location Name | VARCHAR2 | 35 | Ν |
| 47 | Structured Address District Name | Structured Address - Name of District | VARCHAR2 | 35 | Ν |
| 48 | Structured Address Country Subdivision | Structured Address - Country Subdivision | VARCHAR2 | 35 | Ν |
| 49 | Structured Address Country | Structured Address - Country | VARCHAR2 | 2 | Y in case of VA creation |
| 50 | Structure Code | Existing Structure Code for linkage | VARCHAR2 | 20 | N |
| 51 | Virtual Parent Account Number | Virtual Parent Account Number for linkage | VARCHAR2 | 35 | Ν |

Table 10-2 (Cont.) Field Description



| Field Sequence No | Field | Field Description | Data Type | Length | Mandatory |
|----------------------|--|--|-----------|--------|-----------|
| 52 | Availability in Liquidity Management | Availability in Liquidity Management | CHAR | 1 | Ν |

Table 10-2 (Cont.) Field Description

3. Add Special Rates – CSV (Proprietary Format)

Table 10-3 Field Description

| Field Sequence No | Tag Name | Data Type | Length | Mandatory | Description |
|----------------------|-------------------|-----------|--------|-----------|---|
| 1 | Action | VARCHAR2 | 3 | М | Action tag mentioning the value as "new" |
| 2 | Branch | VARCHAR2 | 3 | Μ | This field is the code of the branch in which the accounts are to be created. |
| 3 | Account Number | VARCHAR2 | 20 | Μ | The account number that is to be created according to the account mask maintained by the bank. |
| 4 | Product | VARCHAR2 | 4 | Μ | To calculate interest for an account, you must apply an interest product on the account. Every interest product is linked to an interest rule and interest will be calculated according to the formulae maintained in the rule. More than one interest product can be applied to an account. |

| Field Sequence No | Tag Name | Data Type | Length | Mandatory | Description |
|----------------------|-----------------------|-----------|------------|-----------|--|
| 5 | UDE Effective Date | DATE | YYYY-MM-DD | Μ | This indicates the date from which the Product-UDE combination takes effect. Different value can be maintained for a UDE, for different effective dates for an account. When interest is calculated of a particular dat for an account. the value of the UDE corresponding to the date will be picked up. |
| 6 | UDE ID | VARCHAR2 | 16 | Μ | Every product that is created is linked to a rule. In the rule, the UDEs (User Defined Element) that are required to calculate interest are specified. A rule can have more than one UDE. |
| 7 | UDE Value | NUMBER | 16 | Μ | In this field the value of the UDE (i.e. rate) to be used for calculation of interest for the account is specified. |

Table 10-3 (Cont.) Field Description

| Field Sequence No | Tag Name | Data Type | Length | Mandatory | Description |
|----------------------|--------------|-----------|--------|-----------|--|
| 8 | Rate Code | VARCHAR2 | 10 | 0 | Instead of specifying a value for the UDE, or in addition to the UDE value specified, a Rate code can be applied to the UDE. Rate code is maintained such that a specific rate is applicable from a specific effective date onwards. The rate that is maintained fo the rate code as on the effective date will be picked up while calculating interest. |
| 9 | TD Rate Code | VARCHAR2 | 10 | 0 | Specify the rate code to b used for Term Deposit calculation. Can be used only for term deposit accounts whe 'Rate Chart Allowed' flag i enabled for th account class linked to product. |

Table 10-3 (Cont.) Field Description

| Field Sequence No | Tag Name | Data Type | Length | Mandatory | Description |
|----------------------|--------------|-----------|--------|-----------|--|
| 10 | UDE Variance | NUMBER | 16 | 0 | The bank can also choose to give an additional rate as a variance over and above the UDE value given for the calculation of interest. The effective rate used for calculation will be UDE Value + Value from Rate Code + Variance. |

| Table 10-3 (Cont.) Field |
|--------------------------|
|--------------------------|

4. Statements – MT950 (Standard Format)



11 Multi Level ACK/NACK

In case of Bulk file processing, Bank generate Acknowledgement of receipt for each transmitted file along with status at various stage

Acknowledgment files are sent at a predefined interval. They contain data that are used to:

- Verify the receipt of a file
- Notification regarding successfully completing a processing stage
- Acknowledge that a file was processed successfully
- Notify to the corporate of problems with a file processing at a particular stage

Oracle Banking Electronic Data Exchange for Corporates supports multi-level ACK / NACK responses at various stages of file processing to update the corporate about the file status depending upon the corporate preferences set up during maintenance.

These ACK/NACKs can be defined as mandatory or non-Mandatory depending upon the stage on which they are being sent.

For all the mandatory ones, the bank user should mandatorily define the expected format and channel in corporate preferences.

At the time of implementation, the Bank can decide if they want to change any Mandatory ACK/NACK to optional or vice versa. Depending upon the configuration of mandatory and Non-mandatory ACK/NACK, the list will be shown in the corporate preference screen.

In, Oracle Banking Electronic Data Exchange for Corporates, the stages where the ACK/NACK response are required to generate will be specified as per below mention table.

Bank user can define and modify the ACK/NACK/Response file requirement as per the corporates requirement to receive the response at various stages of file Processing.

| Stage | Mandatory/Optional |
|---------------------------|--------------------|
| Pre-Parsing | Mandatory |
| Parsing & File Validation | Mandatory |
| Record Validation | Optional |
| Sent to Host | Optional |
| Host Response | Mandatory |

Table 11-1 Multi Level ACK/NACK

Pre-configured ACK/NACK for each processing stages are as below:

| Processing Stage | ACK/NACK will be sent on | |
|------------------|---------------------------|--|
| Pre parsing | Pre-parsing check Success | |
| Parsing | Parsing Success/Failure | |
| File Validation | File Level Dedupe Failed | |



| File Validation | File Level Limit Check Failed |
|-------------------|--|
| Record Validation | Transaction Level Dedupe Failed/Success/ Partial Success |
| | Record level limit validation Failed/Success/ Partial Success |
| Sent to Host | Approval - Multiple Responses |
| • | Multiple Responses as per response received from Host |

12 File Inquiry

File Inquiry – Oracle Banking Electronic Data Exchange for Corporates

12.1 File Inquiry – Oracle Banking Electronic Data Exchange for Corporates

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 files.

Bank user will be able to inquire each and every action, processing status, errors, stages, files exchanged along with the time stamp of that activity from this screen

For the files, those required the channel approval; the bank user will be able to view the approver details for every record in approval hierarchy with Approver name and Timestamp.

When the file is uploaded with multiple records, and out of those all records some of the records are approved, some are rejected and some are in other state. In this case, the application is intelligent enough to capture and display all those records as per their current status in application. And once the bank user selects the counts of records across various status, the application will display those records sorted as per there status in Record Details tab.

File Inquiry:

This screen is refers for File Inquiry - Summary Page

Navigation Path:

From the Electronic Data Exchange, select Inquiries , click File Inquiries

On accessing 'File Inquiry' option from the menu, by default screen displays the summary of the files uploaded on that day with respective statuses. User can choose to view the details of the file by clicking on the File Reference ID or can even choose to search the files uploaded on previous days clicking search filters.



| ORACLE | | | | | nbei Branch (006 iy 18, 2025 | |
|------------------------------|--|--------------------------------------|-----------|--|---------------------------------|--|
| File Inquiry | | | | | | ;; × |
| 20 | | | | | | 62 Results d |
| Corporate | File Name | File Reference Number | Format | Transaction | #Records | Status |
| ACME 002316 | ACME_CSV_Open Virtual Account_20221007000037 | 19010 16 Nov 2023, 12:06:01 PM | CSV | Non Financial Virtuel Account - Open Virtuel Account | 0 | Pending In Progress |
| HP INDUSTRIES HP 000211 | HP\$\$\$\$\$\$PAIN001V6\$\$\$\$\$Domestic Funds\$20211005000033.txt | 19009 16 Nov 2023, 12:05:35 PM | PAINO01/6 | Financial Payment - Domestic Funds | 3 | File Validation Failed |
| HP INDUSTRIES HP 000211 | HP\$\$\$\$\$\$PAIN001V6\$\$\$\$\$Domestic Funds\$20211005000032.txt | 19008 16 Nov 2023, 12:04:35 PM | PAINOOTV6 | Financial Payment - Domestic Funds | 3 | Success Handoff Generation Success |
| HP INDUSTRIES | HP5555555PAIN001V6555555Domestic | 19007 | PAIN001V6 | Financial | 5 | Success |
| | | | | | | |

Figure 12-1 File Inquiries

1. Refer to the following table for specifying details in the above screen:



Table 12-1 Field Description

| Field Name | Description |
|-----------------------|---|
| Corporate | Displays name Party/Corporate name |
| | Displays corporate Alias Displays Corporate ID |
| File Name | Displays file name, that has been uploaded |
| File Reference Number | Display the file reference number (File Message ID from the Uploaded File) and Upload Date Time |
| Format | Displays format ID for the uploaded file |
| Transaction | Displays transaction type along with transaction category and transaction name |
| #Records | Displays number of records present in the file |
| Status | Displays Current (Logical) Status of the file |

This screen is refers for File Inquiry – Details Page

On clicking on the File Name from the summary page of file inquiry, following screen is displayed to the user. Screen displays the basic file details like name, status, reference id etc. along with the file journey

User can download the file inquiry report by clicking on the

 $\mathbf{+}$

button.



Figure 12-2 File Inquiry – Details Page



On click of **View File Details**, file details and the download button to download the incoming file is displayed in the right drawer as shown below.

Figure 12-3 View File Details



On click of the **Record Details** tab, record summary in the form of the pie chart will be displayed along with the record data as shown below for each transaction.

User can download the record inquiry report by clicking on the

₹

button.



| ORACLE | | | (DE | FAULTENTITY) | Dunbei Branch (006.) May 18, 2025 | ф кіsн | IAN ~ |
|--|--------------------------|-------------------------------------|--|---------------------|---------------------------------------|-----------------------------|--------|
| File Inquiry | ALCONOMIC DE LA | | | | | | :: > |
| < TCS_PAIN001V6_Domestic Funds_2021030900 | 00847 | | | | | | |
| View File Details | | | | | | | |
| Process Flow Record Details | | | | | | | |
| | | | | | e. | Record Summar | ry 1 |
| Record Payment C Value C Amo Number Reference Date C Amo | unt 0 Debit Account 0 | Credit Account | Beneficiary 0 | Payment 0 Method | Processing O Stage | Status 0 | |
| 2658130 A76742511902001103 30 Mar 2024 | E2.00 HEL0046200057 | UT142040486943542828 | Sammy Ashcroft | TRF | Handoff Generated | Success In Progress | |
| 2657620 A76742511902001102 30 Mar 2024 | E22.00 HEL0046200057 | UT142040486943542828 | Sammy Ashcroft | TRF | Record Validation Failed | Failed Record Validation | n Fail |
| Page 1 of 1 (1 - 2 of 2 Items) | | | | | | | |
| ORACLE | | | oo (1) | AULTENTITY) | Duribei Branch (056.) May 18, 2025 | Д KISH | IAN |
| ile Inquiry | | | | | | - | |
| < TCS_PAIN001V6_Domestic Funds_2021030900 View File Details | 0847 | | | | | | |
| rocess Flow Record Details | Record Summary | | × | Sur all | | | |
| | | | | | ځ | Record Summar | - |
| fecord O Payment O Value O A | | | | syment _ | Processing | | ry _ |
| lumber Reference Date Al | SON | | Record Validation Failed Under Progress in PP | ethod | Stage | Status 0 | |
| 658130 A76742511902001103 30 Mar 2024 | | | | શ | Handoff Generated | Success In Progress | |
| 657620 A76742511902001102 30 Mar 2024 | | | | RF | Record Validation Failed | Feled Record Validation | n Fail |
| Dage 1 of 1 (1-2 of 2 items) | K ← 1 → 3 | | | | | | |
| ORACLE | | | (19) | FAULTENTITY) | Durbei Brandh (000.) May 10, 2025 | ф Kasi | HAN |
| File Inquiry | | 100 MR. 100 000 000 000 000 000 000 | | | | | |
| < TCS_PAIN001V6_Domestic Funds_2021030900 | 00847 | | | | | | |
| View File Details | | | × | | | | |
| Process Flow Record Details | Record Summary | | ø | | | | |
| | Status 0 | No Of Record | | | ٨ | Record Summa | ry |
| Record O Payment O Value O Av Number Reference Date Av | Record Validation Failed | 1 | | syment c | Processing O Stage | Status C | |
| | Under Progress in PP | 1 | | | Handoff | Secret | |
| 658150 A76742511902001103 30 Mar 2024 | | | | RF | Generated | In Progress | |
| 2657620 A76742511902001102 30 Mar 2024 | | | | RF | Record Validation Failed | Failed Record Validatio | n Fai |
| | | | | | | | |
| | | | | | | | |

Figure 12-4 Record Details for Payments





Figure 12-5 Record Details for Open Virtual Account

Figure 12-6 Record Details for Close Virtual Account



Figure 12-7 Record Details for Add Special Rates

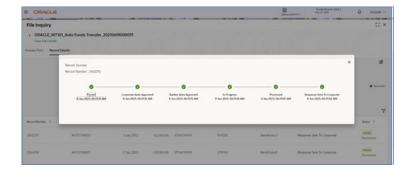
| P ORACLE | | | | | | | | Contract Property and | Surger Brannin (1994) - Aug 19, 2021 | | K70444 |
|---------------------------------------|--|-----------|----------------|-------------------|-----------------|------------|----------------|-----------------------|---|------------------------------|--------|
| File Inquiry | | | | | | | - | | | | () × |
| CACME_CSV_Add t | Special Rates_20221110000030.c | 84 | | | | | | | | | |
| Pressed From Bernard Date | - | | | | | | | | | | |
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| | | | | | | | | | | | |
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| Record Ranker - 2 Mag Scott (1997) | ARCTESTINENCE | AVC. | | | | | | | | - | |
| NUMBER | | AVC. | | | | | | | | - | |

Record Journey

Record Journey is displayed for each record on the click of the Status.



Figure 12-8 Record Journey



1. Refer to the following table for specifying details in the above screen:

Table 12-2Field Description

| Field Name | Description | | | | | |
|------------------------------------|---|---|--|--|--|--|
| Stage details | | | | | | |
| File Stage Details | Displays stage details which file and Timestamp | pass through along with status | | | | |
| | Primary Stage | File Processing Stage | | | | |
| | Received | File Reception | | | | |
| | | Process Initiation | | | | |
| | Parsed | File Name Check | | | | |
| | | Pre Parsing Check | | | | |
| | | Parsing | | | | |
| | Verified | File Dedupe Check | | | | |
| | | File Validation | | | | |
| | | Transaction Dedupe Check | | | | |
| | | Transaction Syntax Check | | | | |
| | | Record Level Validations | | | | |
| | Corporate Approval | Channel Approval (Corporate Approval Matrix - Record Synopsis) | | | | |
| | Handoff Generation | Handoff Generation (Hand Off File Status) | | | | |
| | Response Received | Response Reception | | | | |
| | Response Sent to Corporate | Response Sent to Corporate | | | | |
| Acknowledgement/Response Status | Displays ACK / NACK / Response corporate preference with option and resend the response details | | | | | |
| File details | | | | | | |
| File Reference | Displays the file reference numb | per | | | | |
| Corporate ID | Displays the Corporate ID from | which file has been received | | | | |



| Alias Displays the Corporates Alias name File Name Displays file name, that has been uploaded Customer Reference Displays the Message Id of the file uploaded, Data in this field is displayed for payments related files uploaded Upload Date Displays upload date of the file Format Displays formalt for the uploaded file Channel Displays the channel name in which file was received/sent Transaction Category Displays the transaction category of the received file Transaction Name Displays the number of the transaction available in File File Size Displays the file size Upload Date Displays the upload date and time of the file received Download File Option to download the original file Record Number Displays Record Reference Number for the transaction record processed Payment Reference Number Displays the amount of the transaction with currency Debit Account Displays the Debit Account Number Credit Account Displays the beneficiary name of transaction is lying Beneficiary Name Displays the status of the transaction whether it is processed or failed account Number Credit Account Displays the status of the transaction is lying | Field Name | Description |
|--|--------------------------------|---|
| Customer Reference Displays the Message Id of the file uploaded, Data in this field is displayed for payments related files uploaded Upload Date Displays upload date of the file Format Displays format for the uploaded file Channel Displays the transaction category of the received file Transaction Category Displays the transaction name for which bulk file has been uploaded Number Of Records Displays the number of the transaction available in File File Size Displays the upload date and time of the file received Download File Option to download the original file Record Number Displays Net cate of the transaction processed Amount Displays the Debit Account Number Displays the Debit Account Number Displays the Debit Account Number Desplays the Debit Account Number Displays the Debit Account Number Displays the beeficiary name Displays the staus of the transaction Payment Method Displays the staus of the transaction is lying Status Displays the staus of the transaction Debit Account Displays the staus of the transaction for cases or failed. Record Number Displays the staus of the transaction is lying Status <td>Alias</td> <td>Displays the Corporates Alias name</td> | Alias | Displays the Corporates Alias name |
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| Format Displays format for the uploaded file Channel Displays the channel name in which file was received/sent Transaction Category Displays the transaction category of the received file Transaction Name Displays the transaction name for which bulk file has been uploaded Number Of Records Displays the number of the transaction available in File File Size Displays the upload date and time of the file received Download File Option to download the original file Record details (For Payments) Record Number Record Number Displays Record Reference Number for the transaction record processed Value Date Displays value date of the transaction processed Amount Displays the Debit Account Number Debit Account Displays the Credit Account Number Debit Account Displays the Debit Account Number Credit IBAN Displays the beneficiary name of transaction Payment Method Displays the stage at which transaction is lying Displays the stage at which transaction whether it is processed or failed. Displays Unique Record Number received in the uploaded file Record Number Displays the stage at which transaction is lying Displays the R | Customer Reference | |
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| Virtual Account ProductDisplay the Virtual Account Product received in the uploaded fileBranch CodeDisplay the Branch Code received in the uploaded fileVirtual Account NameDisplay the Virtual Account Name received in the uploaded fileAccount CurrencyDisplay the currency received in the uploaded fileVirtual Account NumberDisplay the Virtual Account Number created in the Product ProcessorProcessing StageDisplays the stage at which transaction lyingStatusDisplays the status of the transaction whether it is processed or | Real Account Number | Display the Real Account Number received in the uploaded file |
| Branch Code Display the Branch Code received in the uploaded file Virtual Account Name Display the Virtual Account Name received in the uploaded file Account Currency Display the currency received in the uploaded file Virtual Account Number Display the Virtual Account Number created in the Product Processor Processing Stage Displays the stage at which transaction lying Status Displays the status of the transaction whether it is processed or | Virtual Entity ID | Display the Virtual Entity ID received in the uploaded file |
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| Status Displays the status of the transaction whether it is processed or | Virtual Account Number | |
| | Processing Stage | Displays the stage at which transaction lying |
| | Status | |

| Table 12-2 | (Cont.) Fie | ld Description |
|------------|-------------|----------------|
| | | - |



| Field Name | Description | | | | | |
|------------------------------------|--|--|--|--|--|--|
| Record Number | Displays Unique Record Number generated in OBEDX for the transaction record | | | | | |
| Virtual Account Number | Displays Virtual Account Number present in the incoming file | | | | | |
| Virtual Account Name | Displays Virtual Account Name present in the incoming file | | | | | |
| Real Customer Number | Displays Real Customer Number present in the incoming file | | | | | |
| Real Account Number | Displays Real Account Number present in the incoming file | | | | | |
| Virtual Entity ID | Displays Virtual Entity ID present in the incoming file | | | | | |
| Transfer In Virtual Account No | Displays Transfer In Virtual Account Number present in the incoming file | | | | | |
| Transfer Out Virtual Account No | Displays Transfer Out Virtual Account Number present in the incoming file | | | | | |
| Virtual Account Number | Display the Virtual Account Number created in the Product Processor | | | | | |
| Processing Stage | Displays the stage at which transaction lying | | | | | |
| Status | Displays the status of the transaction whether it is processed or failed. | | | | | |
| Record details (For Add Speci | al Rates) | | | | | |
| Record Number | Displays Unique Record Number generated in OBEDX for the transaction record | | | | | |
| Virtual Account Number | Displays Virtual Account Number present in the incoming file | | | | | |
| Branch | This field in the incoming file is the code of the branch in which the accounts are created. | | | | | |
| Product | To calculate interest for an account, you must apply an interest product on the account. Every interest product is linked to an interest rule and interest will be calculated according to the formulae maintained in the rule. More than one interest product can be applied to an account. | | | | | |
| Effective Date | This indicates the date from which the Product-UDE combination takes effect. Different values can be maintained for a UDE, for different effective dates, for an account. When interest is calculated on a particular day for an account, the value of the UDE corresponding to the date will be picked up. | | | | | |
| UDE ID | Every product that is created is linked to a rule. In the rule, the UDEs (User Defined Element) that are required to calculate interest are specified. A rule can have more than one UDE. | | | | | |
| UDE Value | In this field the value of the UDE (i.e. rate) to be used for calculation of interest for the account is specified. | | | | | |
| Rate Code | Instead of specifying a value for the UDE, or in addition to the UDE value specified, a Rate code can be applied to the UDE. Rate code is maintained such that a specific rate is applicable from a specific effective date onwards.The rate that is maintained for the rate code as on the effective date will be picked up while calculating interest. | | | | | |
| TD Rate Code | Specify the rate code to be used for Term Deposit calculation. Can be used only for term deposit accounts when 'Rate Chart Allowed' flag is enabled for the account class linked to product. | | | | | |
| UDE Variance | The bank can also choose to give an additional rate as a variance over and above the UDE value given for the calculation of interes The effective rate used for calculation will be UDE Value + Value from Rate Code + Variance. | | | | | |
| Processing Stage | Displays the stage at which transaction lying | | | | | |

Table 12-2 (Cont.) Field Description



| Field Name | Description | | | | | |
|-----------------------------------|---|--|--|--|--|--|
| Status | Displays the status of the transaction whether it is processed or failed. | | | | | |
| Record details (Search Filter f | or Payments) | | | | | |
| Processing Stage | Display all the status applicable | | | | | |
| Value Date | Display as below | | | | | |
| | Today | | | | | |
| | Last 3 Days | | | | | |
| | Last 7 Days | | | | | |
| | Last 15 Days | | | | | |
| | Date Range | | | | | |
| From Value Date | Select From date | | | | | |
| To Value Date | Select To date | | | | | |
| Currency | Display all available currencies | | | | | |
| Amount From | Provide the amount above which records will be filtered | | | | | |
| Amount To | Provide the amount below which records will be filtered | | | | | |
| Record details (Search Filter f | or Open Virtual Account) | | | | | |
| Processing Stage | Display all the status applicable | | | | | |
| Virtual Account Name | Provide Virtual Account Name for which filter is required | | | | | |
| Virtual Account Branch | Provide Virtual Account Product for which filter is required | | | | | |
| Virtual Account Product | Provide Virtual Account Product for which filter is required | | | | | |
| Account Currency | Display all available currencies | | | | | |
| Record details (Search Filter f | or Close Virtual Account) | | | | | |
| Processing Stage | Display all the status applicable | | | | | |
| Virtual Account Number | Provide Virtual Account Number for which filter is required | | | | | |
| Virtual Account Name | Provide Virtual Account Name for which filter is required | | | | | |
| Transfer In Virtual Account No | Provide Transfer In Virtual Account No for which filter is required | | | | | |
| Transfer Out Virtual Account No | Provide Transfer Out Virtual Account No for which filter is required | | | | | |
| Record details (Search Filter f | or Close Virtual Account) | | | | | |
| Processing Stage | Display all the status applicable | | | | | |
| Effective Date | Display as below | | | | | |
| | Today | | | | | |
| | Last 3 Days | | | | | |
| | Last 7 Days | | | | | |
| | Last 15 Days | | | | | |
| | Date Range | | | | | |
| From Date | Select From date | | | | | |
| To Date | Select To date | | | | | |
| Virtual Account Name | Provide Virtual Account Name for which filter is required | | | | | |
| Product | Real time values based on distinct Product Id's present in this file | | | | | |
| | | | | | | |

| Table 12-2 | (Cont.) Field Description |
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13 Banker Approval

Banker Approval Screen

13.1 Banker Approval Screen

Navigation Path:

From the Electronic Data Exchange, select Approval, click Banker Approval

Bank user can go to above path to see the files pending for file level approval. User can take action either from the main screen or from the detailed screen as shown below in two screenshots.

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Figure 13-1 Files pending for file level approval

Bank user can either Approve or Reject the File.



Below are the screenshots for the Record Level approval. Users are not allowed to take approval action from the main screen, as checkbox is disabled. They can take actions from the record details, in multiple iterations.

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| Figure 13-2 | Record Level | approval |
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Bank user can either Approve or Reject the Records.

Search Filters for the Approval screen can be used to filter out the files as per the required criteria.

Figure 13-3 Filters for the Approval screen

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14 Exception Management

Exception Management Screen

14.1 Exception Management Screen

Navigation Path:

From the Electronic Data Exchange, select Exception Management, click Exception Queue

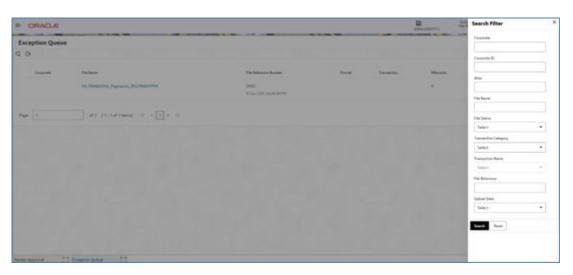
Bank user can go to above path to see the files which are in repair queue. User can either Reprocess or Reject the file from the Inquiry detailed screen as shown below in two screenshots.

Figure 14-1 Inquiry detailed screen

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15 Reference and Feedback

- References
- Feedback and Support

15.1 References

For more information on any related features, you can refer the following documents:

- Getting Started User Guide
- Common Core User Guide
- Security Management System User Guide
- Oracle Banking Electronic Data Exchange for Corporates User guide

15.2 Feedback and Support

Oracle welcomes customers' comments and suggestions on the quality and usefulness of the document. Your feedback is important to us. If you have a query that is not covered in this user guide or if you still need assistance, please contact documentation team.



16 List of Topics

This manual is organized into the following chapters:

| Chapter | Description |
|------------|---|
| Chapter 1 | About this Manual gives information on the intended audience. It also Lists the various chapters covered in this User Manual. |
| Chapter 2 | Transaction Integration Host Matrix highlights the systems which are integrated with Oracle Banking Electronic Data Exchange for Corporates to process Financial & Non-Financial transactions |
| Chapter 3 | Oracle Banking Electronic Data Exchange for Corporates Overview– This chapter provides a brief introduction of the product, |
| Chapter 4 | Configuration and Data setup for the system. |
| Chapter 5 | Format Definition and Mapping |
| Chapter 6 | Data Transformation and Mapping |
| Chapter 7 | Corporate Preference |
| Chapter 8 | Integration Preference |
| Chapter 9 | Dedupe Rule Maintenance |
| Chapter 10 | Correlation Rule Maintenance |
| Chapter 11 | File upload |
| Chapter 12 | Multi-Level ACK / NACK |
| Chapter 13 | File Inquiry |
| Chapter 14 | Banker Approval |
| Chapter 15 | Exception Management |
| Chapter 16 | Reference and Feedback |

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