Oracle® Banking Trade Finance Cloud Service

Common Core - Gateway User Guide

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Preface

This topic contains the following sub-topics:

- Purpose
- Acronyms and Abbreviations
- Audience
- Basic Actions
- Critical Patches
- Conventions
- Diversity and Inclusion
- Documentation Accessibility
- Prerequisite
- Related Resources
- Screenshot Disclaimer
- Symbols and Icons

Purpose

This user manual is designed to help you quickly get acquainted with the many functions routinely executed everyday in Oracle Banking Trade Finance.

To access information specific to a particular field, place the cursor on the relevant field and press **F1** on the keyboard.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1 Abbreviation

Abbreviation	Description
POSTEOPD	Post End of Previous Day
MARKEOPD	Mark End of Previous Day
MARKTI	Mark Transaction Input
POSTEOBOD	Post End of Beginning of Day
MARKBOD	Mark Beginning of Day
MARKEOD	Mark End of Day
POSTEOED	Post End of End of Day
MARKEOFI	Mark End of Financial Input

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Table 1 (Cont.) Abbreviation

Abbreviation	Description
POSTEOFI	Post End of Financial Input
MARKEOTI	Mark End of Transaction Input
POSTEOTI	Post End of Transaction Input
TI	Transaction Input
EOC	End of Cycle
BOD	Beginning of Day
EOD	End of Day
EOPD	End of Previous Day
FI	Financial Input
EOTI	End of Transaction Input

Audience

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

Table 2 Audience

Role	Function
Back office clerk	Input functions for contracts
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization
End of Day operators	Processing during End of Day/Beginning of Day
Financial Controller/Product Managers	Generation of reports

Basic Actions

Table 3 List of Basic Actions

Action	Description
Approve	Click **Approve** to approve the initiated report. This button is displayed, once the user click **Authorize**.
Audit	Click **Audit** to view the maker details, checker details of the particular record, and record status. This button is displayed only for the records that are already created.
Authorize	Click **Authorize** to authorize the record created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a record. This button is displayed only for the already created records.
Close	Click **Close** to close a record. This action is available only when a record is created.
Confirm	Click **Confirm** to confirm the performed action.
Cancel	Click **Cancel** to cancel the performed action.

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Table 3 (Cont.) List of Basic Actions

Action	Description
Compare	Click **Compare** to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click **Authorize**.
Collapse All	Click **Collapse All** to hide the details in the sections. This button is displayed, once the user click **Compare**.
Expand All	Click **Expand All** to expand and view all the details in the sections. This button is displayed, once the user click **Compare**.
New	Click **New** to add a new record. The system displays a new record to specify the required data. **Note:** The fields which are marked in asterisk red are mandatory fields.
OK	Click **OK** to confirm the details in the screen.
Save	Click **Save** to save the details entered or selected in the screen.
View	Click **View** to view the report details in a particular modification stage. This button is displayed in the widget, once the user click **Authorize**.
View Difference only	Click **View Difference only** to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click **Compare**.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by Oracle Software Security Assurance.

Conventions

The following text conventions are used in this document:

Table 4 Conventions and Meaning

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also

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mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Prerequisite

Specify the **User ID** and **Password**, and login to **Home** screen.

Related Resources

For more information on any related features, refer to the following documents in the FLEXCUBE Universal Banking Documentation Library:

- Procedures User Guide
- Products User Guide
- End of Day User Guide

Screenshot Disclaimer

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

Symbols and Icons

The list of symbols and icons available on the screens are as follows:

Table 5 Symbols and Icons - Common

Symbol/Icon	Function
	Minimize
	Maximize
	Close
	Perform Search

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Table 5 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Open a list
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record
	Grid view
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete a row, which is already added.
	Calendar
	Alerts
	Unlock Option
	View Option
	New
	Enter query
	Execute query
	Copy
	Delete

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Table 5 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Save
	Search
	Advanced search
	Clear all
	Reset
	Export
	Print
	View Details
	Sorting

Table 6 Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Rejected status
	Closed status
	Authorized status
	Modification Number
	Hold
	Reverse

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Table 6 (Cont.) Symbols and Icons - Widget

Symbol/Icon	Function
	Authorize
	Rollover

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1

EOD Maintenances

This topic describes the overview of EOD process and its maintenance.

Oracle Banking Corporate Lending allows you to execute several functions everyday on a routine basis as part of the end of cycle (EOC) process. These functions can be run at various stages of the EOC process.

EOD ensures that once End of Cycle processing starts, each function that will be run in the specified sequence will be executed automatically. However, you can take manual control if there are any problems in running the function. Certain functions requires some inputs (called run-time inputs) before they are executed. This also can be automated.

The EOD process should be defined and executed separately for different branches of your bank. When the process is running, you could choose to monitor it from a central location, perhaps your data center.

This topic contains the following sub-topics:

- Various Stages of EOC Process
  This topis describes about the various stages involved in the EOC process.
- Mandatory Batch Program Maintenance
  This topic describes about the maintenance of mandatory batch program.
- Batch End of Day function
  This topic describes about the maintenance of batch end of day function.
- End of Cycle Groups
  This topic describes about the maintenance of end of cycle groups.
- Pending Maintenances
  This topic describes about the pending maintenances.
- End of Cycle Process
  This topic describes the end of cycle process and its maintenance.
- Deferred EOD Process
  This topic describes the information about deferred EOD process.
- End of Cycle Monitor
  This topic describes about the maintenance of end of cycle monitor.

1.1 Various Stages of EOC Process

This topis describes about the various stages involved in the EOC process.

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Table 1-1 Various Stages of EOC Process

Stages of EOC Process	Description
End of Transaction input (EOTI)	The End of Transaction input (EOTI) stage is the first stage in EOD operations. The system should be moved to this status after all the transactions for the day have been entered into the system. In addition, all the transactions should be authorized and the relevant messages generated. **Note:** All the messages don't need to be generated on the same day as transaction input, it is ideally done that way. In an exceptional situation, go ahead with the End of Day processes without generating a message. This message will remain in the un-generated status in the Outgoing Message Browser and can be generated on any other day. An un-generated message will not be archived. EOTI must not be marked under the following circumstances: • When a message is in an unprocessed state. **Note:** When a reply to the message sent has either not been received or arrived at by the system. • The above validations are applicable for RTGS messages only. • When transactions that have been input are yet to be authorized. • When the debit and credit totals for the day do not match for some reason. Under such circumstances, examine the transaction(s), which have resulted in the imbalance (with the help of the Transaction Journal) and take the necessary action. The action could be in posting an extra entry or moving an entry from one account to another, etc. After the system is moved to this status, the user will neither be allowed to enter further transactions into the system nor will be allowed to perform any maintenance functions. All the relevant toolbar actions will also be disabled. However, the user can perform queries on the system. The user can run only those automated functions that have been defined for this stage of End of Day processing.
End of Financial Input (EOFI)	At this stage, no further accounting entries can be passed for the day either through transactions that have been entered or by transactions that are automatically triggered by the system. After the system is moved to this status, the user can generate financial reports for the day now since all the automatic processes have been run for the day and since the balances available will be the latest. After EOFI is marked, the user can generate all advice-related messages like reports, tracers, and all other information on the day's activities.
End of Day	The EOD process is designed to tie up all the operations for a financial day and prepare the system for the next day. The End of Day operations for a branch can begin after all the transactions for the day have been input and authorized. Ideally, all the messages for the day should also be generated before the End of Day operations begins. A message should be carried over to a subsequent day only under exceptional conditions. The End of Day status indicates that the user has completed all the activities for the day. After EOD for a branch is run, the system will not allow running any other operation in the branch, till the system date has been changed to the next working day, and authorized. If the user tries to run any application, it will be prompted to change the system date first.

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1.2 Mandatory Batch Program Maintenance

This topic describes about the maintenance of mandatory batch program.

This topic contains the following sub-topics:

- Maintain Mandatory Batch Program
  This topic explains systematic instructions to maintain a mandatory batch program that defines the functions to run automatically.

1.2.1 Maintain Mandatory Batch Program

This topic explains systematic instructions to maintain a mandatory batch program that defines the functions to run automatically.

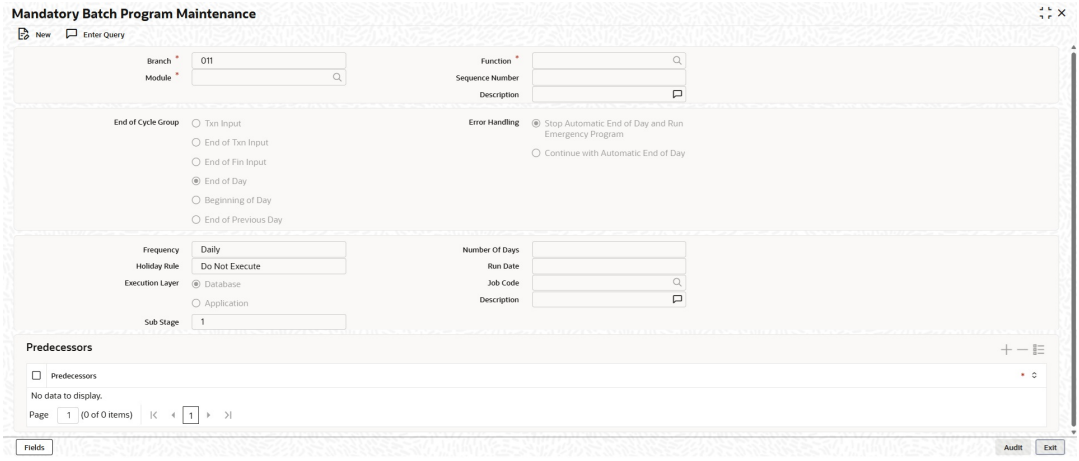
Through the **Mandatory Batch Program Maintenance** screen, indicate the functions that should be automatically triggered as part of the **Automatic End of Cycle**.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **EIDMANPE** in the text box, and click **Next**.

   The **Mandatory Batch Program Maintenance** screen displays.

Figure 1-1 Mandatory Batch Program Maintenance



2. On the **Mandatory Batch Program Maintenance** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-2 Mandatory Batch Program Maintenance - Field Description

Field	Description
Branch	The system displays the branch code.
Module	Click **Search** and specify the module code from the list of values.

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Table 1-2 (Cont.) Mandatory Batch Program Maintenance - Field Description

Field	Description
Function	Click **Search** and specify the **Function** from the list of values.
Sequence Number	Specify the **Sequence Number**.
Description	Type a description of the sequence number.
End of Cycle Group	The end of cycle processing has different stages as follows: • **Transaction Input** - This stage indicates that all the transactions for the day have been input and authorized. Thus, the automated processes that involve transaction input during the day have to be executed (periodic accruals, any automatic interest or commission liquidation triggered by transactions that were input during the day, etc.) when the system is in the EOTI stage. • **End of Transaction Input** - EOTI indicates the End of all Transaction Inputs, during which all transaction inputs are completed and the batch should be run before EOFI. EOFI indicates the End of Financial Input, during which all accounting transactions are completed and the batch should be run before EOD. EOD indicates the End of Day, during which all activities for that day are completed and the batch should be run before BOD. BOD indicates the Beginning of the Day, during which the transactions are Input. EOPD indicates the End of Previous Day, during which all the EOD processes that are deferred to the next day are processed. • **End of Financial Input** - This stage indicates that no further accounting entries can be passed for the day either through transactions or by automated processes. • **End of Day** - This stage indicates that all the activities for the day are complete. Further activities can be done on the system only after the system date has been changed to the next working day and authorized. Most of the automated functions will be a part of the Beginning of Day operations. Thereafter, some of them (say accruals, for example) should be executed when the system is in the EOTI stage. Some of the functions run during the Beginning of the Day should be repeated during the EOTI stage so that any automated liquidation triggered by transactions input during the day will be processed. • **Beginning of Day** - This is the stage after the system date has been changed and authorized, and before the transaction input for the day can begin. At this stage, the system is expecting certain functions to be executed. For example, automatic liquidation of interest or commission scheduled for the day. The execution of these functions during this stage ensures that all the debits and credits to a customer account that are triggered automatically are done and the balances updated. Thus, when the customers of the bank walk in to execute transactions during the day, records will reflect the latest balance. • **End of Previous Day** - In this stage after BOD processes, all the noncritical processes such as GL statement generation, archival, and purging are deferred to the next day during an EOD process.

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Table 1-2 (Cont.) Mandatory Batch Program Maintenance - Field Description

Field	Description
Frequency	Certain functions performed at the bank will have to be run daily, while some others may need to be executed at other periodic frequencies. Specify the functions that should be run at AEOD and select the frequency with which they should be run from the adjoining drop-down list. This list displays the following values: • **Daily** • **Month End** • **Quarter End** • **Half Year End** • **Year End** • **Nth Day of the Month** • **'N' Days before End of Month** • **Specific Date** • **Weekly** Repayments due to loans or deposits, liquidation of commissions due to an LC, etc. would be functions that should execute daily since such transactions may happen on any day, depending on the liquidation date specified for the individual contracts. If the **Nth Day of the Month** or **N Days before End of Month** option is selected, specify the exact date in the **Run Date** field or the number of days before which the function should be run in the **Number of Days** field respectively. It is a known fact that month-ends are usually a period of hectic activity for bankers. Hence, it might require postponing certain activities to a later date, so that the load can be spread evenly. For instance, to run the liquidation of interest on current and savings accounts to the fifth day of every month. While defining the IC liquidation function, specify the frequency as the **Nth Day of the Month** and specify the number of days as five. The liquidation function will be executed on the fifth, but the processing will be done as of the end of the previous month. Similarly, it is possible to execute a function a few days before the month-end. To do this, specify the frequency level as **'N' Days before End of Month**. Specify the number of days before which the function should be executed. If the frequency is defined as a **Specific date**, specify the date on which the particular function has to be executed.
Holiday Rule	Select the holiday rule from the drop-down list: • **Do Not Execute** • **Next working Day** • **Previous Working Day**
Execution Layer	This indicates the execution layer where the batch should be processed. It can have two values: • **Database** • **Application** For example, BIP reports at EOD can be automatically generated using the job scheduler.

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Table 1-2 (Cont.) Mandatory Batch Program Maintenance - Field Description

Field	Description
Sub Stage	Specify a valid sub-stage number to run a batch ensuring inter-branch dependency from the adjoining drop-down list. • **1 (One)** • **2 (Two)** • **3 (Three)** The following sub-stages are available for different EOC stages: a. **Post End of Transaction Input** • **Post End of Transaction Input 1** • **Post End of Transaction Input 2** • **Post End of Transaction Input 3** b. **Post End of Financial Input** • **Post End of Financial Input 1** • **Post End of Financial Input 2** • **Post End of Financial Input 3** c. **Post End of End of Day** • **Post End of End of Day 1** • **Post End of End of Day 2** • **Post End of End of Day 3** d. **Post End of Beginning of Day** • **Post End of Beginning of Day 1** • **Post End of Beginning of Day 2** • **Post End of Beginning of Day 3** e. **Mark Transaction Input** f. **Mark End of Previous Day** • **Post End of Previous Day 1** • **Post End of Previous Day 2** • **Post End of Previous Day 3** For example, To run a batch at head office, after running the batch at all the reporting branches, then the batch run at head office is maintained at sub stage 3 and the batch run at reporting branches is maintained at 1 or 2 so that the system runs stage 3 after completing stage 2 in all branches. EOD run mode is maintained as **Parallel**.
Error Handling	Select an error-handling option from the following list: • **Stop Automatic End of Day and Run Emergency Program** • **Continue with Automatic End of Day**
Number Of Days	Specify the **Number Of Days**.
Run Date	Click **Calendar** and select the run date.
Job Code	Click **Search** and specify the **Predecessors** that need to be run to process the job scheduler operations.
Description	The system displays the job description based on the **Job Code** specified.
Predecessors	Click **Search** and specify the **Predecessors** from the list of values.

3. Click **Exit** to end the transaction.

1.3 Batch End of Day function

This topic describes about the maintenance of batch end of day function.

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This topic contains the following sub-topic:

- Maintain Data Values for EOD Functions
  This topic explains systematic instructions to maintain data values for EOD functions.

1.3.1 Maintain Data Values for EOD Functions

This topic explains systematic instructions to maintain data values for EOD functions.

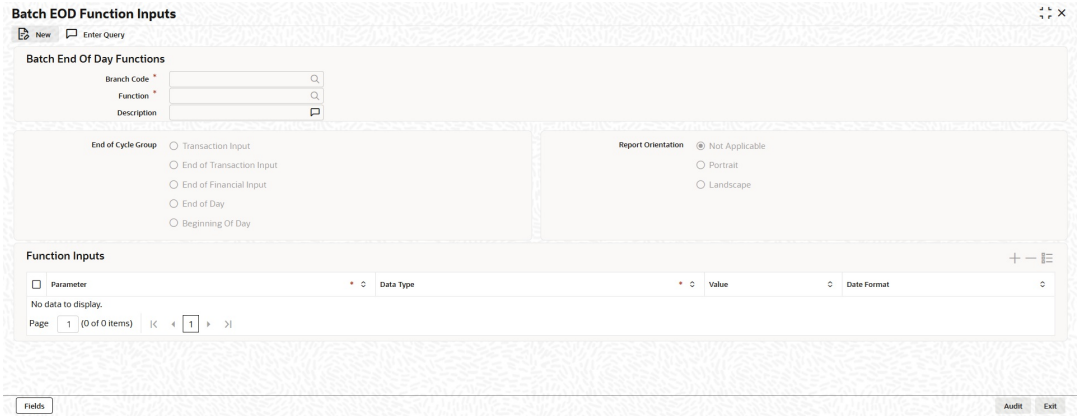
Some EOD functions may require inputs for their successful execution, such as data values. For this, specify the required data value in the **Batch EOD Function Inputs** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **BADEODFE** in the text box, and click **Next**.

   The **Batch EOD Function Inputs** screen displays.

Figure 1-2 Batch EOD Function Inputs



2. On the **Batch EOD Function Inputs** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-3 Batch EOD Function Inputs - Field Description

Field	Description
Branch Code	Click **Search** and specify the **Branch Code** that would be executed as part of marking the selected EOC state.
Function	Click **Search** and specify the **Function** that would be executed as part of marking the selected EOC state.
Description	The system displays the description of the function.

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Table 1-3 (Cont.) Batch EOD Function Inputs - Field Description

Field	Description
End of Cycle Group	Select the EOC group to which the function is associated from the following options: • **Transaction Input** • **End of Transaction Input** • **End of Financial Input** • **End of Day** • **Beginning Of Day**
Report Orientation	Select the report orientation from the following options: • **Portrait** • **Landscape** Select **Not Applicable** if one does not want to select the orientation.
Parameter	The system displays the parameters for which the system expects a data value.
Data Type	Select the data type from the following options: • **VARCHAR2** • **Characteristics** • **Number** • **Date**
Value	Specify the required data value.
Date Format	Specify the required data date format.

3. Click **Exit** to end the transaction.

1.4 End of Cycle Groups

This topic describes about the maintenance of end of cycle groups.

This topic contains the following sub-topic:

- Maintain End of Cycle Groups
  This topic explains systematic instructions to maintain the End of Cycle groups.

1.4.1 Maintain End of Cycle Groups

This topic explains systematic instructions to maintain the End of Cycle groups.

In Oracle Banking Corporate Lending, the user can trigger the EOC process from any branch for all the branches of the bank. To simplify the process of selection of branches, the user may group them into several EOC groups. Such grouping can be based on the time zones, holiday calendar, time at which the branches close the operations of a day, or similar common features.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **AEDECGRU** in the text box, and click **Next**.

   The **End of Cycle Groups** screen displays.

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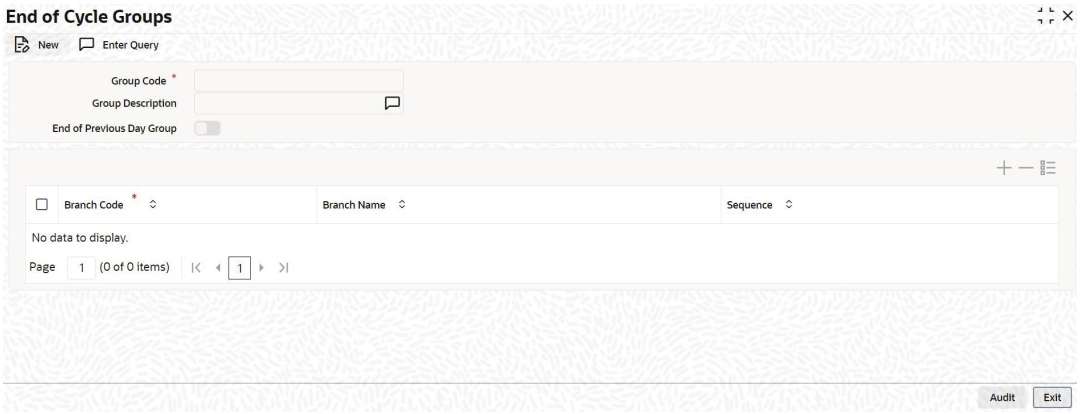
Figure 1-3 End of Cycle Groups



2. On the **End of Cycle Groups** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-4 End of Cycle Groups - Field Description

Field	Description
Group Code	Specify a unique code for the EOC group that wishes to create. This group can later be identified by the group code specified.
Group Description	Specify a description that describes the nature of the group.
End of Previous Day Group	End of Previous Day Group is optional. EOC Group for EOPD will start after the EOD cycle. The EOD cycle runs till Transaction Input, so EOPD starts after TI. End of Previous Day group processes **Mark End of Previous Day** and Post End of Previous Day stages (**Post End of Previous Day 1**, **Post End of Previous Day 2**, **Post End of Previous Day 3**) excluding other stages like TI, FI, EOD, and BOD. Without specifying the EOPD group, if 200 EOC branches are divided into 20 EOC groups, each will occupy 20 CPUs in EOPD stage. Since the EOPD group runs parallel to the Transaction Input (TI) stage, all CPUs were occupied by the EOPD process which will slow down the TI processes thus reducing the performance. With a separate EOPD group, the EOPD process will have 200 EOC branches divided into 5 EOPD groups to improve performance that will continue to run even after TI Stage till the next EOTI process. This will increase the performance of EOD processing and reduce the time taken for End of Day processes.
Branch Code	Select the branches to be grouped. Click **Add** to add more rows to the list of branches. Specify the branch code of each branch to be grouped. At times, if wants to remove a branch from the list of branches, check the box against the **Branch Code** and Select **Delete** from the Actions menu in the Application toolbar or click **Delete**. **Note:** One branch can be linked to one normal group code and one EOPD group code.
Branch Name	The system displays the name of the branch against each code specified.

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Table 1-4 (Cont.) End of Cycle Groups - Field Description

Field	Description
Sequence	Specify the sequence number for each branch. The system displays the branch codes as per the sequence when the branch group is added to the **End Of Cycle Operations** screen and branches run in that sequencing order during EOD. **Note:** If the Sequence number is null or the same then the system will not validate the **Sequence** field.

3. Click **Exit** to end the transaction.

1.5 Pending Maintenances

This topic describes about the pending maintenances.

This topic contains the following sub-topic:

- Process Unauthorized Maintenance
  This topic explains systematic instructions to view unauthorized maintenance.

1.5.1 Process Unauthorized Maintenance

This topic explains systematic instructions to view unauthorized maintenance.

All the transactions and maintenance records processed during the day should be authorized before End of Day operations can begin. Authorizers in the various departments should authorize transactions before handing over the system to the data center for End of Day processing.

In Oracle Banking Corporate Lending, the user can get a list of unauthorized transactions and records at any point in time. This information enables the authorizers to easily find out which transactions or records are unauthorized. View the maintenance that is yet to be authorized through the view unauthorized maintenance option.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **STSVWPEN** in the text box, and click **Next**.

   The **Pending Maintenances** screen displays.

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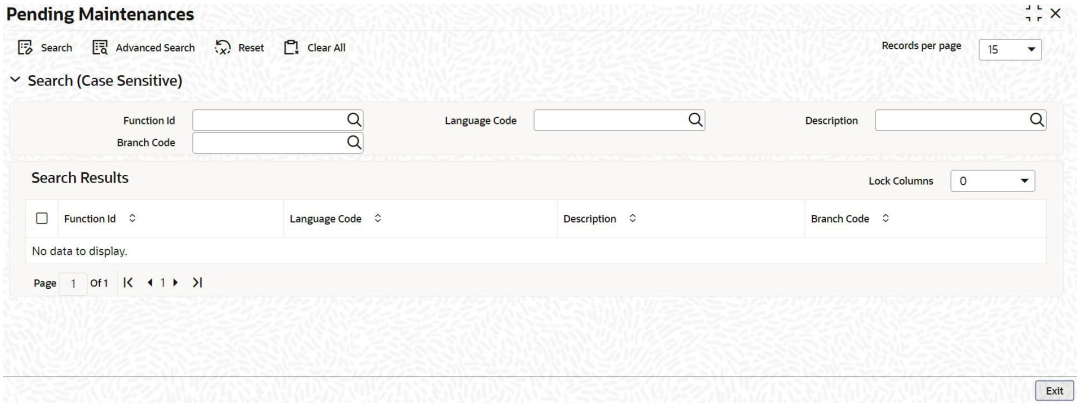
Figure 1-4 Pending Maintenances



2. On the **Pending Maintenance** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-5 Pending Maintenance - Field Description

Field	Description
Function ID	Click **Search** and specify the **Function ID** from the list of values.
Description	The system displays the description of the **Function ID**.
Language Code	Click **Search** and specify the **Language Code** from the list of values.
Branch Code	Click **Search** and specify the **Branch Code** from the list of values.

3. Select any or all of the above parameters for a query, and click **Search**.

   The system identifies all records satisfying the specified criteria and displays the following details for each one of them:

   - **Function Id**
   - **Language Code**
   - **Description**
   - **Branch Code**

4. Click **Exit** to end the transaction.

1.6 End of Cycle Process

This topic describes the end of cycle process and its maintenance.

To start the End of Cycle process, select **End of Cycle** and the Start **EOC** option under it. The End of Cycle operations consists of several stages. In this topic, the various stages that are a part of the cycle are discussed. The various stages in this cycle have been diagrammatically represented below:

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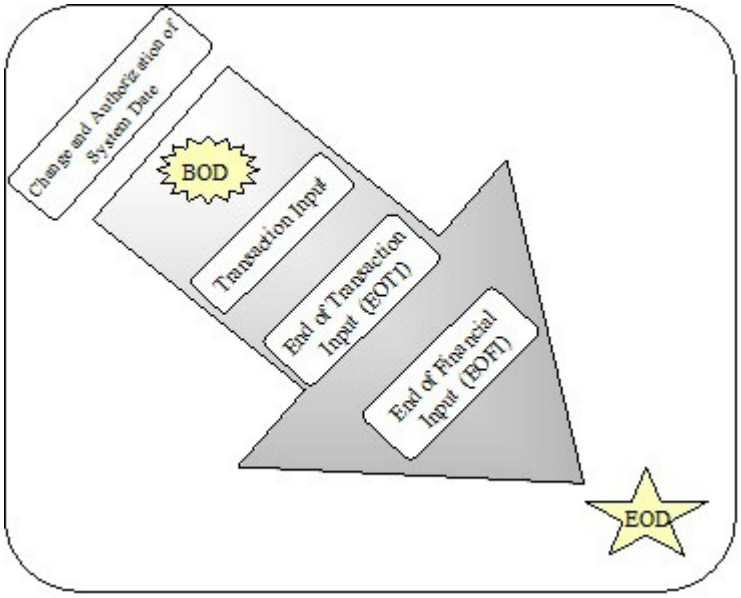
Figure 1-5 Stages of End of Cycle Operations



This topic contains the following sub-topics:

- Maintain End of Cycle Operations
  This topic explains systematic instructions to maintain End of Cycle operations.
- Process End of Cycle Status
  This topic explains systematic instructions to process the status of the End of Cycle process.
- Stop End of Transaction Input
  This topic explains systematic instructions to stop running EOC processes for specific branches.
- Stop EOC Process for Running Branches
  This topic explains systematic instructions to stop running EOC processes for specific branches.

1.6.1 Maintain End of Cycle Operations

This topic explains systematic instructions to maintain End of Cycle operations.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Home screen**, type **AEDSTART** in the text box, and click **Next**.

   The **End of Cycle Operations** screen displays.

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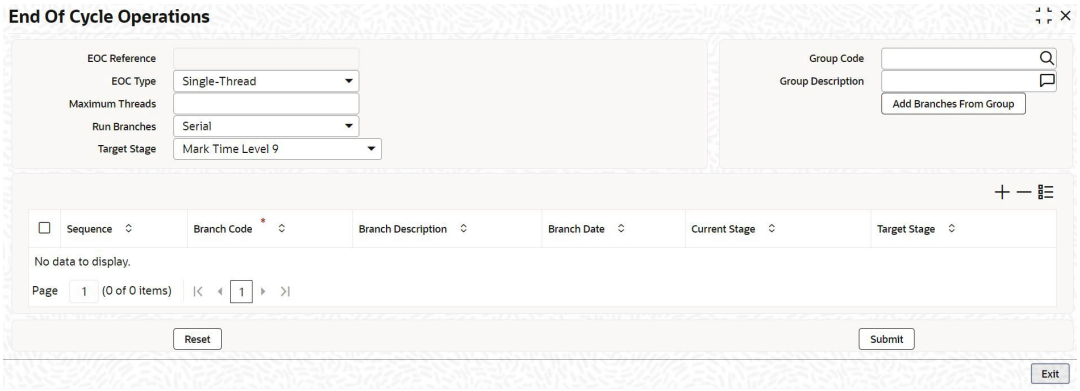
Figure 1-6 End of Cycle Operations



2. On the **End of Cycle Operations** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-6 End of Cycle Operations - Field Description

Field	Description
EOC Reference	The system generates a unique EOC reference number.
EOC Type	Select a valid EOC operation type from the adjoining drop-down list: • **Multi-Thread** - If this option is selected, the system runs EOD based on the scheduler framework. Oracle Banking Corporate Lending prepares EOD run charts for the selected branches and submits synchronous requests to the database to run the EOD. The scheduler framework then picks up these branches and runs EOD. Hence Multi-Thread is also referred to as the **Scheduler** type. A Scheduler Framework is available to process the EOD batch. • **Branch Scheduler** - It polls branches submitted for EOD in scheduler mode and triggers the EOD process. Before triggering the EOD process for a particular branch, the scheduler validates its feasibility for processing EOD. If EOD running mode is maintained as **Parallel**, then it checks for the movement of the branch to the next stage because all the branches are synchronously moved across stages. The scheduler also keeps track of the number of sessions for the current EOC. • **Single-Thread** - If this option is selected, the system runs the entire EOD process in a single session, for all branches. After submitting EOD, Oracle Banking Corporate Lending submits an asynchronous request to the database to run EOD.

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Table 1-6 (Cont.) End of Cycle Operations - Field Description

Field	Description
Target Stage	As part of EOC operations, the system will process each selected branch from its current stage to the target stage. Select the target stage for all the branches from the adjoining drop-down list. This list displays the following stages: a. **Mark End of Transaction Input** • **Post End of Transaction Input 1** • **Post End of Transaction Input 2** • **Post End of Transaction Input 3** b. **Mark End of Financial Input** • **Post End of Financial Input 1** • **Post End of Financial Input 2** • **Post End of Financial Input 3** c. **Mark End of Day** • **Post End of End of Day 1** • **Post End of End of Day 2** • **Post End of End of Day 3** d. **Mark Beginning of Day** • **Post End of Beginning of Day 1** • **Post End of Beginning of Day 2** • **Post End of Beginning of Day 3** e. **Mark Transaction Input** f. **Mark End of Previous Day** • **Post End of Previous Day 1** • **Post End of Previous Day 2** • **Post End of Previous Day 3** Select the appropriate target stage. The system defaults this as the target stage for all branches. However, modify the same for each branch, if required. In the End of Cycle operation, if the EOC group code with End of Previous Day is selected, then the system validates the following after clicking **Submit**: • For the current stage or target stage fields, if stages other than **Mark End of Previous Day** or **Post End of Previous Day 1**, **Post End of Previous Day 2**, and **Post End of Previous Day 3** are selected, then the system displays an error message. • For any branches in the group, if the EOD process is not completed till TI the system displays an appropriate error message. The EOC Group for EOPD starts after EOD Cycle. EOPD group continues to run the **Mark End of Previous Day** and Post End of Previous Day stages. This EOPD group can be optional. The system supports if it is preferred to run a normal group. The normal group runs from **Mark End of Transaction Input** to **Post End of Previous Day 3**.

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Table 1-6 (Cont.) End of Cycle Operations - Field Description

Field	Description
Run Branches	This field indicates the mode in which the EOC operation should take place. The system allows selecting any one of the following run modes: • **Serial** - The system processes EOC in a serial mode taking branch after branch. In this mode, even if the process fails for a particular branch, the system moves on to the next branch and proceeds. • **Parallel** - The system processes EOC stage wise, for all selected branches. At any stage, if it fails, the system will not be able to run it for any of the remaining branches. For example, consider an EOC operation for two branches, Branch A and B from the stage Set Time Level to 9 to the stage End of Financial Input. The system initially processes both branches to the stage End of Transaction Input at once. It goes on till the final stage. However, in the meantime, if any branch fails to process, the system stops the EOC operations for both branches together.
Maximum Threads	Specify the maximum number of sessions needs to maintain if **Multi-Thread** is selected as **EOC Type**.
Group Code	Specify the **Group Code**.
Group Description	The system displays the description of the selected group.
Sequence	Type a sequence number.
Branch Code	Click **Search** and specify the code of the branch from the list of values.
Branch Description	The system displays the description of the selected branch. This field can be modified.
Branch Date	The system displays the **Branch Date**. This field can be modified.
Current Stage	The system displays the **Current Stage**. This field can be modified.
Target Stage	The system displays the **Target Stage**. This field can be modified.

3. Click **Exit** to end the transaction.

This topic contains the following sub-topic:

- Maintain Branches for EOC Operations
  This topic explains systematic instructions to select branches for EOC operations.

1.6.1.1 Maintain Branches for EOC Operations

This topic explains systematic instructions to select branches for EOC operations.

Under EOC Branch Groups, the system displays the list of all EOC branch groups that are maintained. Select one or more branch groups to proceed with EOC operations. Use the check box adjacent to each group to select it. Check against **ALL** to indicate that the EOC has to be run for all the branches together.

1. On **End of Cycle Operations** screen, click **Populate** after selecting the branch groups.

   Under EOC branches, the system displays all branches grouped under the selected branch groups.

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> **Note**
>
> - The system does not display the branches for which EOC is already running.
> - The user has to manually change the sequencing order if the sequence number is the same as the branches of a group or multiple groups.

2. Click the **Add** icon to add more rows to the list.
3. Specify a valid branch code to set the target stage.

   This adjoining list of values displays all valid branch codes maintained in the system. However, the list of values will not display the branches for which EOC is already running.
4. Check the box adjacent to the branch code, and click **Delete** to remove a branch from the list.
5. Click **Submit** after specifying all the details.

   The system proceeds with the EOC process in asynchronous mode after necessary validations.
6. Click **Reset** to clear the list of branches and select the branch groups and individual branches again to proceed with EOC operation.
7. Click **Exit** to end the transaction.

1.6.2 Process End of Cycle Status

This topic explains systematic instructions to process the status of the End of Cycle process.

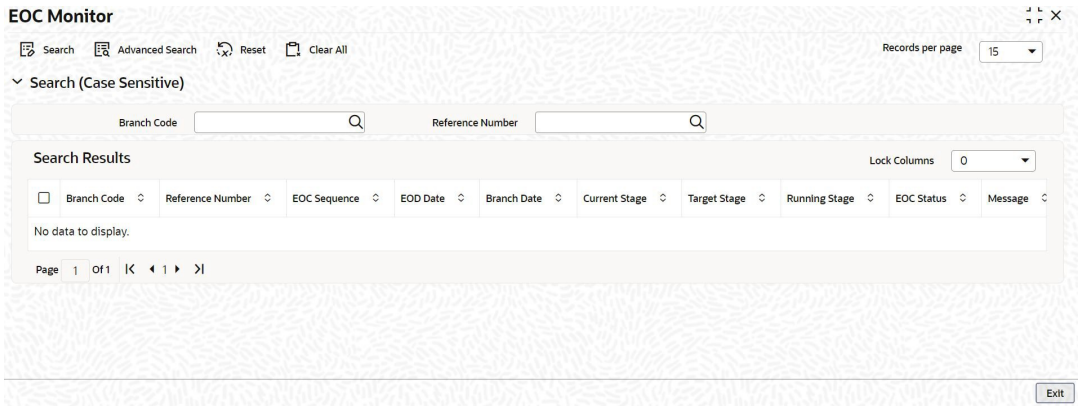
In Oracle Banking Corporate Lending, verify the status of the EOC that is submitted. The **EOC Monitor** screen displays the status of the EOC process across branches.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **AESBRMTR** in the text box, and click **Next**.

   The **EOC Monitor** screen displays.

Figure 1-7 EOC Monitor



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2. On the **EOC Monitor** screen, specify the fields.

   For more information on the fields, refer to the field description table.

   Table 1-7 EOC Monitor - Field Description

Field	Description
Branch Code	Click **Search** and specify the **Branch Code** from the list of values to view the status of the EOC processes for that branch.
Reference Number	Click **Search** and specify the **Reference Number** from the list of values to view the status of the EOC processes.

3. Click **Search** to view the EOC processes that are currently running.

   Based on the provided search criteria, the system displays the following details of the EOC processes:

   - **Branch Code**
   - **Reference Number**
   - **EOC Sequence**
   - **EOD Date**
   - **Branch Date**
   - **Current Stage**
   - **Target Stage**
   - **Running Stage**
   - **EOC Status**
   - **Message**

   If a batch is in **Aborted** status, the batch can be processed again by using **Rerun Batch**.

4. Select a particular stage to see the status of the batches configured for that stage.

   The system identifies all records satisfying the specified criteria and displays the following details for each one of them:

   - **EOC Batch**
   - **Batch Status (Pending, Completed or Aborted)**
   - **EOC Reference Number**
   - **Error Code**

5. Click **Exit** to end the transaction.

1.6.3 Stop End of Transaction Input

This topic explains systematic instructions to stop running EOC processes for specific branches.

In the End of Cycle Operations screen, to stop a running Automated End of Day batch within the current batch.

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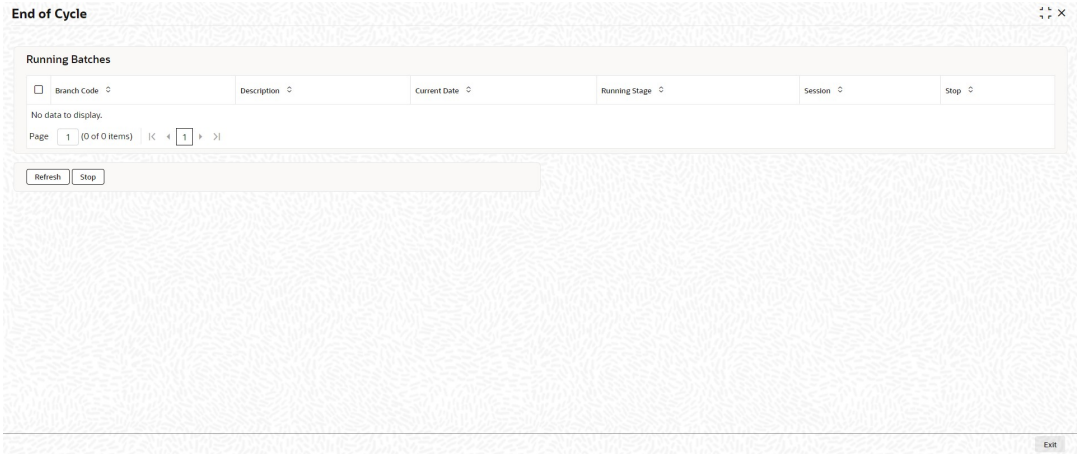
> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **EIDUEOTI** in the text box, and click **Next**.

   The **End of Cycle Operations** screen displays.

Figure 1-8 End of Cycle



2. The system displays the following details on this screen:

   For more information on fields, refer to the field description table.

Table 1-8 End of Cycle Operations - Field Description

Field	Description
Branch Code	Specify the **Branch Code** of the current branch.
Branch Name	The system displays the branch name based on the branch code specified.
End of Input	The system displays the **End of Input**.

3. To stop the AEOD process for the selected branches, click the **Drop End of Transaction Input** button.

   The system displays a confirmation message for dropping ongoing batch. Once confirm it, the system updates the status of the process as **End of Transaction Input**.

4. Click **Exit** to end the transaction.

1.6.4 Stop EOC Process for Running Branches

This topic explains systematic instructions to stop running EOC processes for specific branches.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

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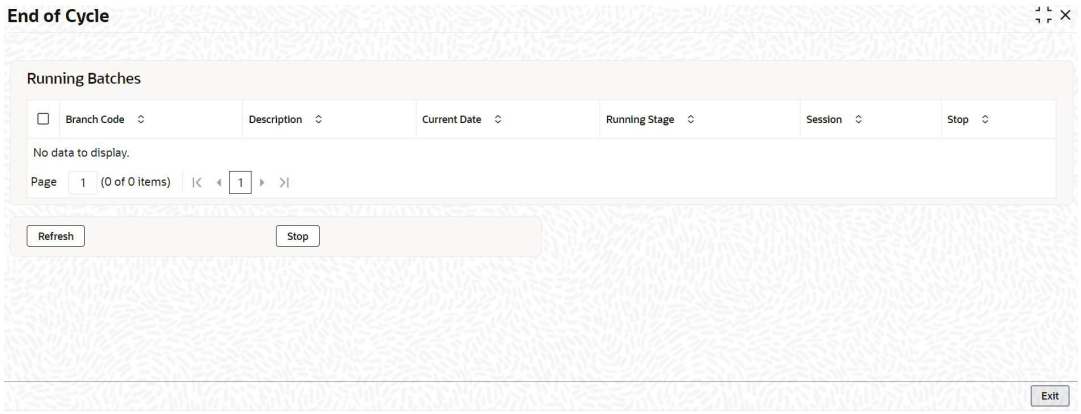
1. On **Homescreen**, type **AEDSTOP** in the text box, and click **Next**.

   The **End of Cycle** screen displays.

Figure 1-9 End of Cycle



   The system displays the running branches on this screen.

2. To stop the process for the selected branches, check the box under **Stop** against the branch which want to be stopped, and click **Stop** at bottom.
3. Click **Exit** to end the transaction.

1.7 Deferred EOD Process

This topic describes the information about deferred EOD process.

The below flowchart indicates the EOD process in the system:

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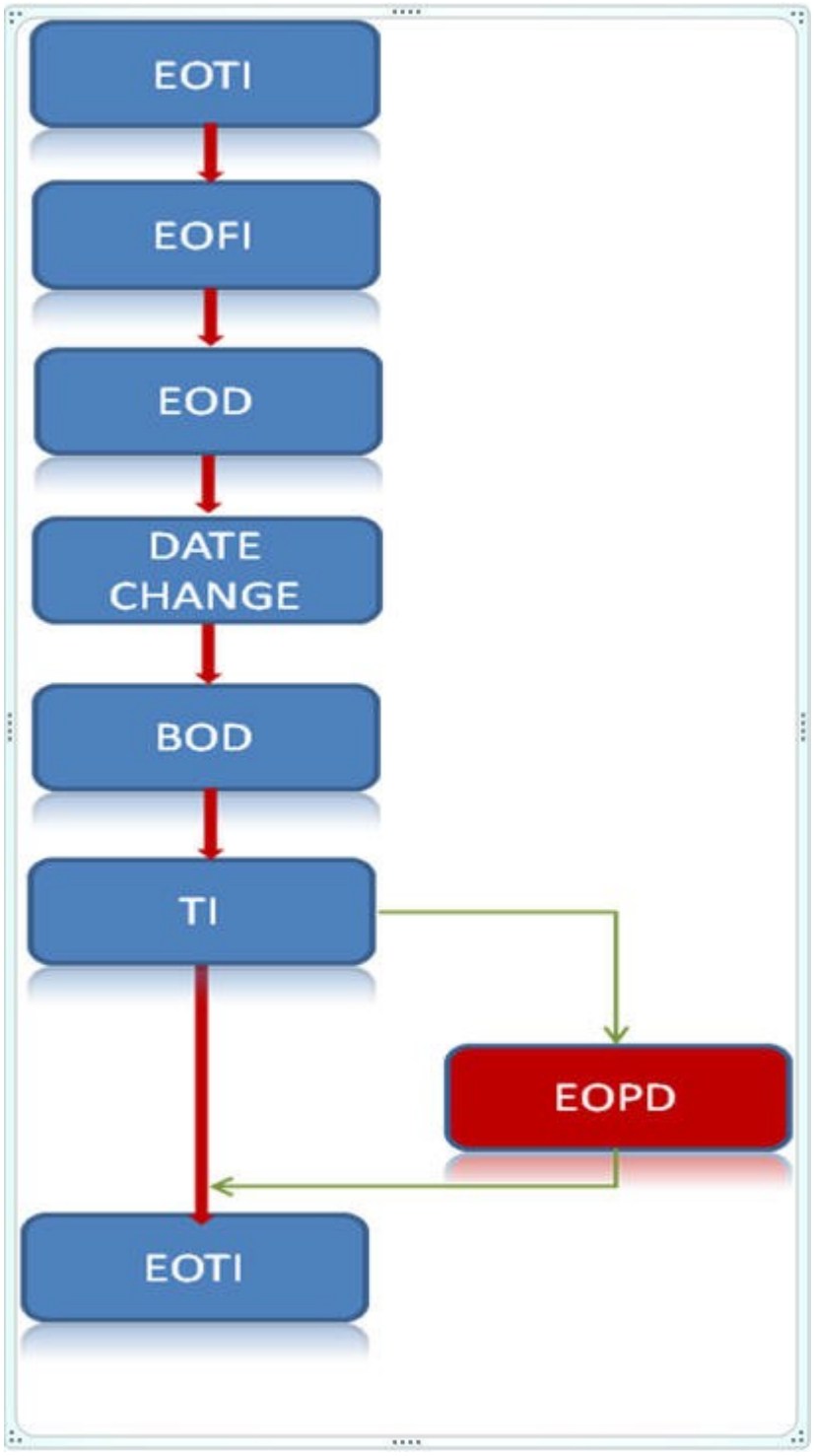
Figure 1-10 EOD Process Flowchart



The EOPD is run parallel to the Transaction Input. The next day Mark EOTI is allowed only when the EOPD stage is completed. The user cannot mark the end of transaction input if the automatic end of day status of EOPD is **N**.

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1.8 End of Cycle Monitor

This topic describes about the maintenance of end of cycle monitor.

This topic contains the following sub-topic:

- Maintain EOC Monitor Screen
  This topic explains systematic instructions to maintain the current status of the EOC of a branch.

1.8.1 Maintain EOC Monitor Screen

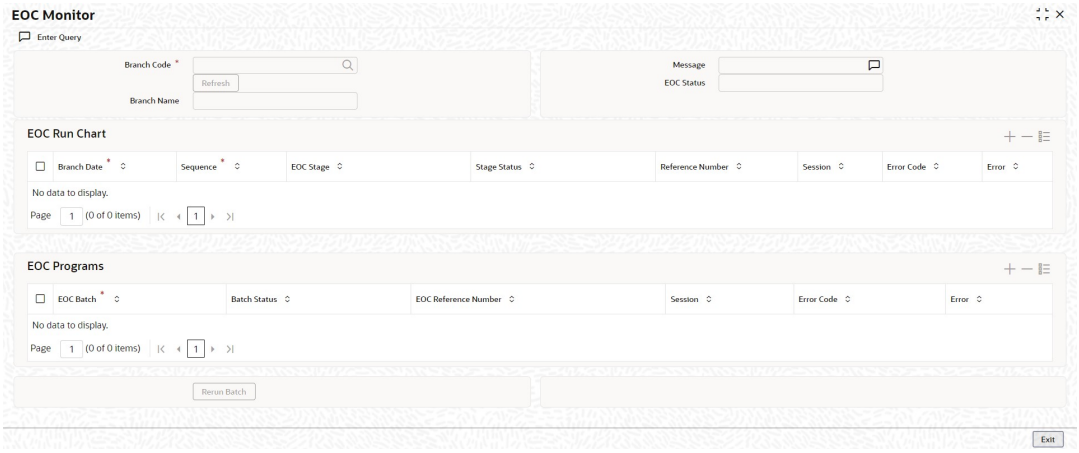
This topic explains systematic instructions to maintain the current status of the EOC of a branch.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **AEDBRMTR** in the text box, and click **Next**.

   The **EOC Monitor** screen displays.

Figure 1-11 EOC Monitor



2. On the **EOC Monitor** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 1-9 EOC Monitor - Field Description

Field	Description
Branch Code	Click **Search** and specify the branch code for which wants to view the EOC status.
Branch Name	The system displays the branch name based on the selected **Branch Code**.
Message	Type the text message, if required.

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Table 1-9 (Cont.) EOC Monitor - Field Description

Field	Description
EOC Status	The system displays the EOC status based on the selected **Branch Code**.

3. Click **Execute Query**.

   The system identifies all records satisfying the specified criteria and displays the following details for each one of them:

   - **Branch Date**
   - **Sequence**
   - **EOC Stage**
   - **Stage Status**
   - **Reference Number**
   - **Session**
   - **Error Code**
   - **Error**
   - **EOC Batch**
   - **Batch Status**
   - **EOC Reference Number**
   - **Session**
   - **Error Code**
   - **Error**

   > **Note**
   >
   > The system displays internal batches like **AEBMTLVL**, **COBMTLVL**, **OLBMTLVL**, and **ELBMTLVL** during the Mark Time Level 9 EOC stage. These batches are called **Depending on the module groups** and are stored in **Smtb_Modules_Group** maintained during FCUBS installation.

4. Click **Exit** to end the transaction.

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2

Overview of Gateway Functions

Integration of different applications and solutions is a key area in today's systems. A variety of specialized applications deployed on disparate platforms and using different infrastructures need to be able to communicate and integrate seamlessly with Oracle Banking Corporate Lending in order to exchange data. The Oracle Banking Corporate Lending Integration Gateway (referred to as **Gateway** in the rest of the document) will cater to these integration needs.

The integration that needs to be supported by the Gateway can be broadly categorized from the perspective of the Gateway as follows:

- **Inbound Application Integration** - Used when any external system needs to add, modify or query information within Oracle Banking Corporate Lending.
- **Outbound Application Integration** - Used when any external system needs to be notified of the various events that occur within Oracle Banking Corporate Lending.

This topic contains the following sub-topics:

- Inbound Application Integration
  This topic describes the information on inbound application integration.
- Outbound Application Integration
  This topic explains the outbound application integration process.
- Responsibilities of Integration Gateway
- Deployment of Oracle Banking Corporate Lending Integration Gateway
  This topic explains the details about deployment of Oracle Banking Corporate Lending Integration Gateway.
- Deployment Patterns for Application Integration
  This topic explains the detailed information about deployment patterns for application integration.

2.1 Inbound Application Integration

This topic describes the information on inbound application integration.

Oracle Banking Corporate Lending Inbound Application Gateway provides XML-based interfaces thus enhancing the need to communicate and integrate with the external systems. The data exchanged between Oracle Banking Corporate Lending and the external systems will be in the form of XML messages. These XML messages are defined in Oracle Banking Corporate Lending in the form of XML Schema Documents (XSD) are referred to as **Oracle Banking Corporate Lending Formats**.

For more information on Oracle Banking Corporate Lending formats refer to the *Process Incoming Message Browser Detailed Screen* topic.

Oracle Banking Corporate Lending Inbound Application Integration Gateway uses the Synchronous and Asynchronous Deployment Pattern for addressing the integration needs.

The Synchronous Deployment Pattern is classified into the following:

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- Oracle Banking Corporate Lending EJB Based Synchronous Inbound Application Integration Deployment Pattern
- Oracle Banking Corporate Lending Web Services Based Synchronous Inbound Application Integration Deployment Pattern
- Oracle Banking Corporate Lending HTTP Servlet Based Synchronous Inbound Application Integration Deployment Pattern

Asynchronous Deployment Pattern is:

- Oracle Banking Corporate Lending MDB Based Asynchronous Inbound Application Integration Deployment Patten

This topic contains the following sub-topics:

- EJB Based Synchronous Deployment Pattern
  This topic describes the EJB-based synchronous deployment pattern.
- Web Services Based Synchronous Deployment Pattern
  This topic describes the web services-based synchronous deployment pattern.
- HTTP Servlet Based Synchronous Deployment Pattern
  This topic describes the HTTP servlet-based synchronous deployment pattern.
- MDB Based Asynchronous Deployment Pattern
  This topic describes the MDB-based synchronous deployment pattern.

2.1.1 EJB Based Synchronous Deployment Pattern

This topic describes the EJB-based synchronous deployment pattern.

The Enterprise Java Beans (EJB) deployment pattern will be used in integration scenarios where the external system connecting to Oracle Banking Corporate Lending is **EJB literate**, that is, the external system is capable of interacting with Oracle Banking Corporate Lending based upon the EJB interface. In this deployment pattern, the external system will use the RMI/IIOP protocol to communicate with the Oracle Banking Corporate Lending EJB.

In this deployment pattern, the EJB displayed by Oracle Banking Corporate Lending will be a stateless session bean. The actual request will be in the form of an XML message. After the necessary processing is done in Oracle Banking Corporate Lending based on the request, the response is returned to the external system as an XML message. The transaction control for the processing will stay with the Oracle Banking Corporate Lending EJB.

2.1.2 Web Services Based Synchronous Deployment Pattern

This topic describes the web services-based synchronous deployment pattern.

The web services deployment pattern will be used in integration scenarios where the external system connecting to Oracle Banking Corporate Lending wants to connect using standards-based, interoperable web services.

This deployment pattern is especially applicable to systems that meet the following broad guidelines:

- The systems that are not **EJB literate** that means such systems not capable of establishing connections with Oracle Banking Corporate Lending based on the EJB interface; and/or
- The systems that prefer to use a standards-based approach

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In this deployment pattern, the external system will use the SOAP (Simple Object Access Protocol) messages to communicate to the Oracle Banking Corporate Lending web services.

The services displayed by Oracle Banking Corporate Lending are of a **Message-based** style, the actual request will be in the form of an XML message, but the request will be a **Payload** within the SOAP message. After the necessary processing is done in Oracle Banking Corporate Lending based on the request, the response is returned to the external system as an XML message which will be a **Payload** within the response SOAP message. The transaction control for the processing will stay with the Oracle Banking Corporate Lending.

2.1.3 HTTP Servlet Based Synchronous Deployment Pattern

This topic describes the HTTP servlet-based synchronous deployment pattern.

The HTTP servlet deployment pattern will be used in integration scenarios where the external system connecting to Oracle Banking Corporate Lending wants to connect to Oracle Banking Corporate Lending using simple HTTP messages.

This is especially applicable to systems such as the following:

- The systems that are not **EJB literate** are not capable of establishing connections with Oracle Banking Corporate Lending based upon the EJB interface. And/or
- The systems that prefer to use a simple HTTP message-based approach without wanting to use SOAP as the standard

In this deployment pattern, the external system will make an HTTP request to the Oracle Banking Corporate Lending servlet.

For this deployment pattern, Oracle Banking Corporate Lending will display a single servlet. The actual request will be in the form of an XML message. This XML message is embedded into the body of the HTTP request sent to the Oracle Banking Corporate Lending servlet. After the necessary processing is done in Oracle Banking Corporate Lending based on the request, the response is returned to the external system as an XML message which is once again embedded within the body of the response HTTP message. The transaction control for the processing will stay with the Oracle Banking Corporate Lending.

2.1.4 MDB Based Asynchronous Deployment Pattern

This topic describes the MDB-based synchronous deployment pattern.

The MDB deployment pattern is used in integration scenarios where the external system connecting to Oracle Banking Corporate Lending wants to connect to Oracle Banking Corporate Lending using JMS queues.

This is especially applicable to systems such as the following:

The systems that prefer to use the JMS queues-based approach without wanting to wait for the reply

Here external system sends messages in XML format to request a queue on which an MDB is listening. When a message arrives in the queue, it is picked up for processing. After the necessary processing is done in Oracle Banking Corporate Lending, based on the request, the response is sent to the response queue as an XML message.

2.2 Outbound Application Integration

This topic explains the outbound application integration process.

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The Outbound Application Integration is also called the Oracle Banking Corporate Lending Notify Application Integration Layer. This application layer sends out notification messages to the external system whenever events occur in Oracle Banking Corporate Lending.

The notification messages generated by Oracle Banking Corporate Lending on the occurrence of these events will be XML messages. These XML messages are defined in Oracle Banking Corporate Lending in the form of XML Schema Documents (XSD) and are referred to as **Oracle Banking Corporate Lending Formats**.

For more information on Oracle Banking Corporate Lending formats refer to the *Process Outgoing Message Browser Detailed Screen* topic.

2.3 Responsibilities of Integration Gateway

The primary responsibilities of Oracle Banking Corporate Lending Integration Gateway include the following:

- Authentication
- Duplicate recognition
- Validation
- Routing
- Logging of messages

2.4 Deployment of Oracle Banking Corporate Lending Integration Gateway

This topic explains the details about deployment of Oracle Banking Corporate Lending Integration Gateway.

Message communication - incoming or outgoing from/to an external system in Oracle Banking Corporate Lending will happen only through an Oracle Banking Corporate Lending Integration Gateway. Hence, it becomes the first point of contact or last point of contact with the database in message flow. The Oracle Banking Corporate Lending Integration Gateway can be deployed to support both the distributed and single schema deployments of Oracle Banking Corporate Lending:

1. Distributed deployment of Oracle Banking Corporate Lending – In this situation the database components of the Gateway is deployed as two or more schemas.
    - The messaging schema as part of SMS schema in the SMS and/or HO instance
    - The business schema(s) in the various branch schemas in the branch instance(s)
2. Single schema deployment of Oracle Banking Corporate Lending – In this situation the database components of the Gateway (messaging and business) are both deployed as part of the single Oracle Banking Corporate Lending schema.

2.5 Deployment Patterns for Application Integration

This topic explains the detailed information about deployment patterns for application integration.

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Table 2-1 Deployment Patterns for Application Integration

Business Integration Needs	Nature of Integration	Oracle Banking Corporate Lending Deployment Pattern	Remarks
Inbound Transactions into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending EJB	Recommended
Inbound Transactions into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending HTTP Servlet	This can be used if the external system cannot communicate to Oracle Banking Corporate Lending using EJB.
Inbound Transactions into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending Web Services	This can be used if the external system chooses to communicate only through Web Services.
Inbound Transactions into Oracle Banking Corporate Lending	Asynchronous	Oracle Banking Corporate Lending MDB	This can be used if the external system chooses to communicate only through JMS queues.
Inbound Queries into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending EJB	Recommended
Inbound Queries into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending In Servlet	This can be used if the external system cannot communicate to Oracle Banking Corporate Lending using EJB.
Inbound Queries into Oracle Banking Corporate Lending	Synchronous	Oracle Banking Corporate Lending Web Services	This can be used if the external system chooses to communicate only through Web Services.
Inbound Queries into Oracle Banking Corporate Lending	Asynchronous	Oracle Banking Corporate Lending MDB	This can be used if the external system chooses to communicate only through JMS queues.
Handoffs from Oracle Banking Corporate Lending	Asynchronous	Oracle Banking Corporate Lending Notify	Recommended

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3
Gateway Maintenance

This topic lists out subtopics available under Gateway Maintenance.

This topic contains the following sub-topics:

- External System
  This topic provides the details about external system under Gateway Maintenance.
- Access Rights to an External System
  This topic provides the information about access rights to an external system under Gateway Maintenance.
- Upload Source Definition
  This topic provides the details about upload source definition under Gateway Maintenance.
- Gateway Maintenance
  This topic provides the details about Gateway Maintenance.
- Incoming Message Browser
  This topic provides the details about Incoming Message Browser under Gateway Maintenance.
- Outgoing Message Browser
  This topic provides the details about Outgoing Message Browser under Gateway Maintenance.
- Amendment Maintenance
  This topic provides the details about amendment details under Gateway Maintenance.

3.1 External System

This topic provides the details about external system under Gateway Maintenance.

This topic contains the following sub-topics:

- Maintain External System
  This topic explains systematic instructions to define and maintain an external system that communicates with the Oracle Banking Corporate Lending integration gateway.
- View External System Details
  This topic explains systematic instructions to process external system details.

3.1.1 Maintain External System

This topic explains systematic instructions to define and maintain an external system that communicates with the Oracle Banking Corporate Lending integration gateway.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

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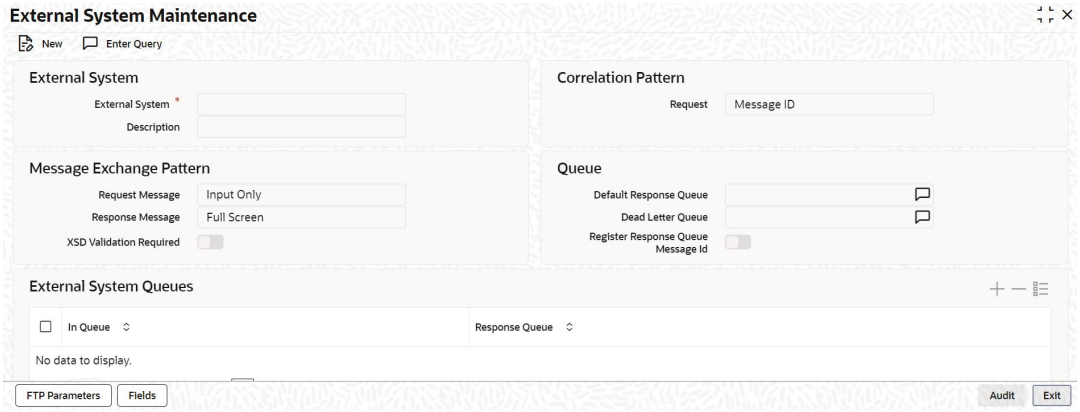
1. On **Homescreen**, type **GWDETSYS** in the text box, and click **Next**.

   The **External System Maintenance** screen displays.

Figure 3-1 External System Maintenance



2. On the **External System Maintenance** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-1 External System Maintenance - Field Description

Field	Description
External System	Specify an **External System**.
Description	Specify the description of the external system.
Request	Select an appropriate request option from the drop-down list: • **Message ID** • **Correlation ID**
Request Message	Select an appropriate request message option from the drop-down list: • **Input Only** • **Full Screen**
Response Message	Select an appropriate response message option from the drop-down list: • **Full Screen** • **Primary Key**
XSD Validation Required	Switch this toggle to validate XSD if required.
Default Response Queue	Specify a default response in the text box.
Dead Letter Queue	Specify a dead letter queue in the text box.
Register Response Queue Message ID	Switch this toggle to register the response queue message ID.
In Queue	Specify the input queue details in the text box.
Response Queue	Specify the response queue details in the text box.

3. Click **FTP Parameters** to view the FTP parameters of an external system.

   The system displays the following FTP parameters for an external system mentioned in the **External System Maintenance** screen:

   - **External System**
   - **IP Address**

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- **Port**
- **User Name**
- **Password**

4. Click **Exit** to end the transaction.

3.1.2 View External System Details

This topic explains systematic instructions to process external system details.

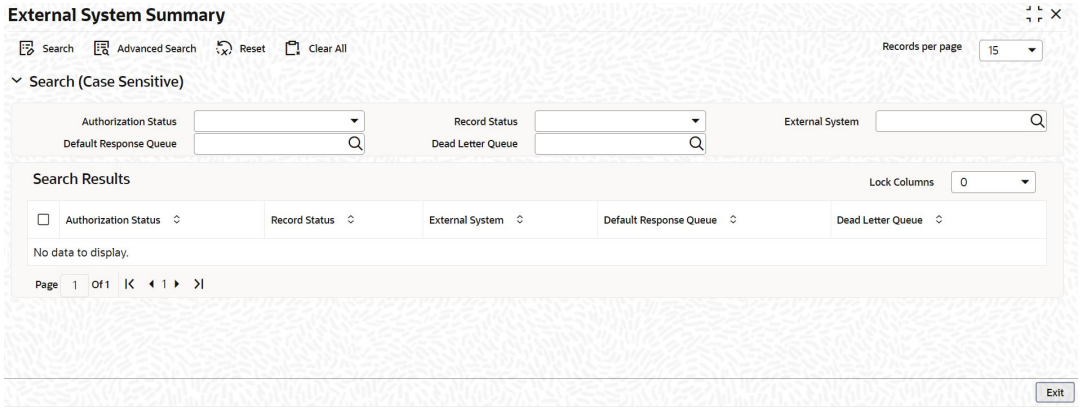
The details of previously defined external systems can be viewed using the **External System Summary** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On the **Homescreen**, type **GWSETSYS** in the text box, and click **Next**.

   The **External System Summary** screen displays.

Figure 3-2 External System Summary



2. On the **External System Summary** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-2 External System Summary - Field Description

Field	Description
Authorization Status	Select the authorization status from the drop-down list: • **Authorized** • **Unauthorized** • **Rejected**
Record Status	Select the record status from the drop-down list: • **Open** • **Closed**
External System	Click **Search** and specify the external system from the list of values.

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Table 3-2 (Cont.) External System Summary - Field Description

Field	Description
Default Response Queue	Click **Search** and specify the default response queue from the list of values.
Dead Letter Queue	Specify the dead letter queue from the list of values.

3. On specifying the search parameters, click **Search**.

   The system displays the records that match the search criteria for the following:

   - **Authorization Status**
   - **Record Status**
   - **External System**
   - **Dead Letter Queue**
   - **Default Response Queue**

4. Click **Advanced** to specify queries with logical operators such as **AND**, **OR**, and **NOT**.
5. Click **Reset** to empty the values in the criteria fields, so that a new search can begin.
6. After specifying the details, click **Query** to view the list of results that match the search criteria.
7. Click **Refresh** to refresh the list of results.
8. Click **Exit** to close the screen.

3.2 Access Rights to an External System

This topic provides the information about access rights to an external system under Gateway Maintenance.

This topic contains the following sub-topics:

- Define Access Rights to an External System
  This topic explains systematic instructions to define access rights to an external system.
- View External System Function Details
  This topic explains systematic instructions to process external system function details.

3.2.1 Define Access Rights to an External System

This topic explains systematic instructions to define access rights to an external system.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWDETFUN** in the text box, and click **Next**.

   The **External System Functions** screen displays.

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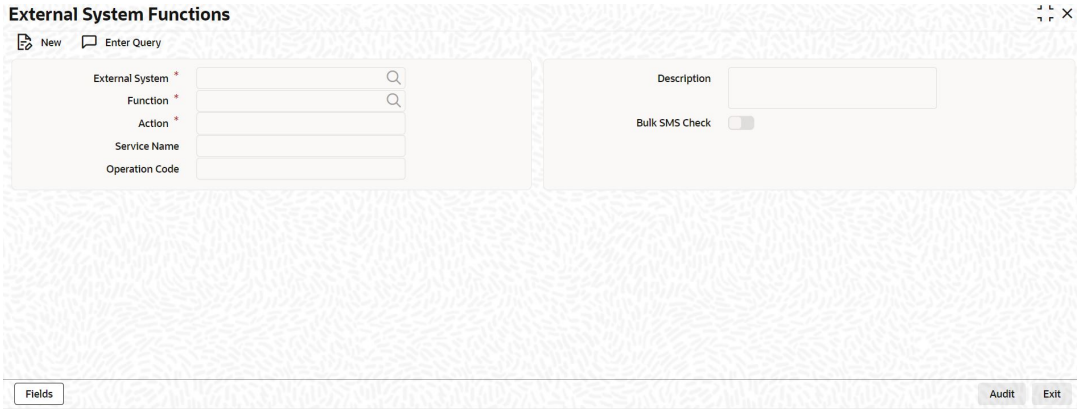
Figure 3-3 External System Functions



2. On the **External System Functions** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-3 External System Functions - Field Description

Field	Description
External System	Select an external system which wants to provide access rights. The adjoining list of values displays all the external systems that are maintained in the **External Systems - Detailed** screen.
Description	The system displays the description of the selected **External System**.
Function ID	Select a **Function ID** from the list of values. The function IDs are processed from Gateway Functions.
Action	Select an action for the external system from the list of values.
Service Name	The system displays the **Service Name** based on the **Function ID** and **Action** fields.
Operation Code	The system displays the **Operation Code** based on the **Function ID** and **Action** fields.
Bulk SMS Check	Switch this toggle for bulk SMS checks.

3. Click **Exit** to end the transaction.

3.2.2 View External System Function Details

This topic explains systematic instructions to process external system function details.

The user can view the access rights details which have already been defined using the **External System Function Summary** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On the **Homescreen**, type **GWSETFUN** in the text box, and click **Next**.

   The **External System Function Summary** screen displays.

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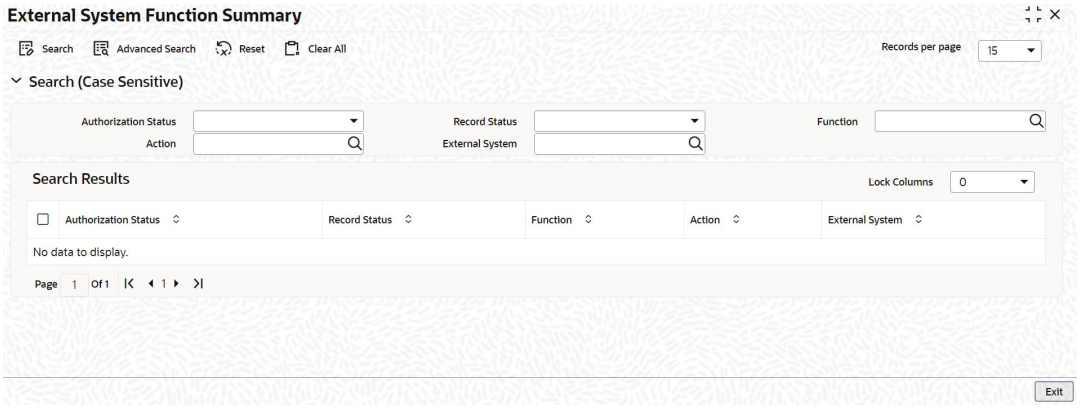
Figure 3-4 External System Function Summary



2. On the **External System Function Summary** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-4 External System Function Summary - Field Description

Field	Description
Authorization Status	Select the authorization status from the drop-down list: • **Authorized** • **Unauthorized** • **Rejected**
Record Status	Select the record status from the drop-down list: • **Open** • **Closed**
External System	Specify the external system from the list of values.
Function	Specify the function from the list of values.
Action	Specify the action from the list of values.

3. On specifying the search parameters, click **Search**.

   The system displays the records that match the search criteria for the following:

   - **Authorization Status**
   - **Record Status**
   - **External System**
   - **Function**
   - **Action**

4. Click **Advanced** to specify queries with logical operators such as **AND**, **OR**, and **NOT**.
5. Click **Reset** to empty the values in the criteria fields, so that a new search can begin.
6. Click **Refresh** to refresh the list of results.
7. Click **Query** after specifying the search details to view the list of results that match the search criteria.
8. Click **Exit** to close the transaction.

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3.3 Upload Source Definition

This topic provides the details about upload source definition under Gateway Maintenance.

This topic contains the following sub-topics:

- Maintain Upload Source Details
  This topic explains systematic instructions to maintain upload source details.
- Maintain Upload Source Preferences
  This topic explains systematic instructions to maintain the upload source preferences.

3.3.1 Maintain Upload Source Details

This topic explains systematic instructions to maintain upload source details.

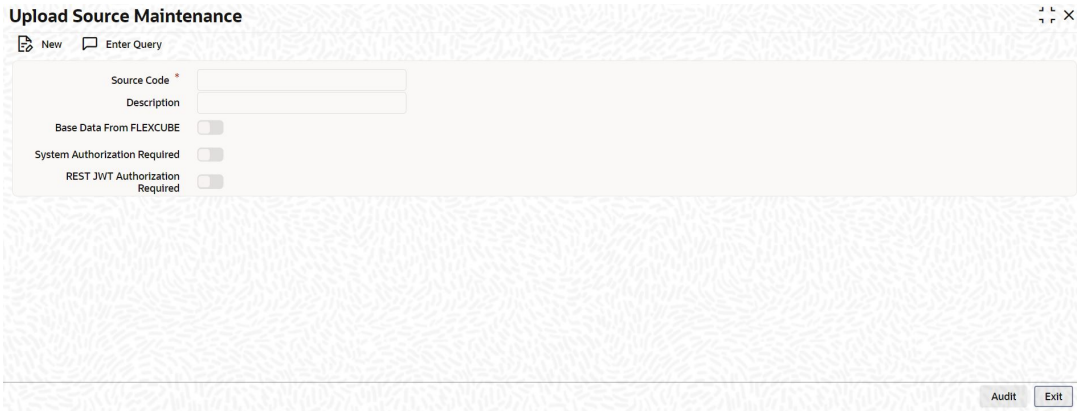
Oracle Banking Corporate Lending facilitates upload of data from an external source. The details of the source from which data has to be uploaded need to be maintained in Oracle Banking Corporate Lending using the **Upload Source Maintenance** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **CODSORCE** in the text box, and click **Next**.

   The **Upload Source Maintenance** screen displays.

Figure 3-5 Upload Source Maintenance



2. On the **Upload Source Maintenance** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-5 Upload Source Maintenance - Field Description

Field	Description
Source Code	Specify a code for the source from which data has to be uploaded to Oracle Banking Corporate Lending.

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Table 3-5 (Cont.) Upload Source Maintenance - Field Description

Field	Description
Source Description	Type a description of the source code specified.
Base Data From FLEXCUBE	Switch this toggle button to indicate if base data has to be uploaded from Oracle FLEXCUBE Universal Banking.
System Authorization Required	Switch this toggle button to indicate if system authorization is required.

3. Click **Exit** to end the transaction.

3.3.2 Maintain Upload Source Preferences

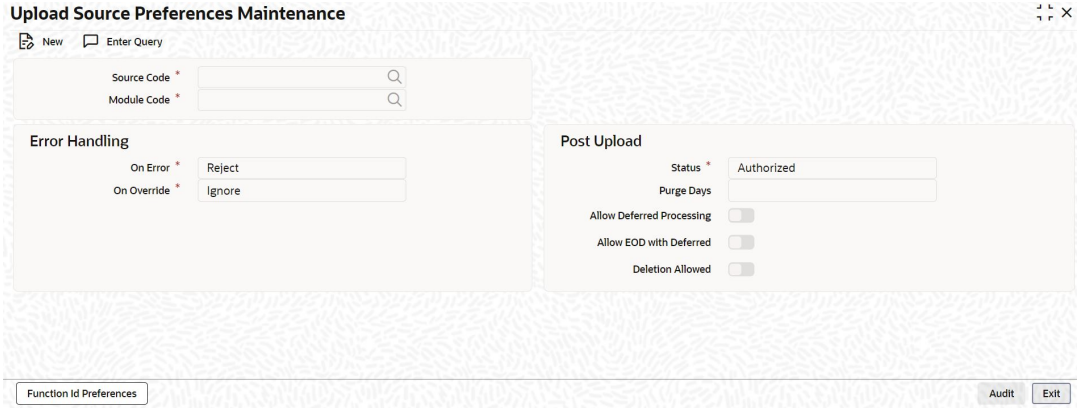
This topic explains systematic instructions to maintain the upload source preferences.

Through the **Upload Source Preferences Maintenance** screen, set preferences for the upload of data from an external source.

1. On **Homescreen**, type **CODUPLDM** in the text box, and click **Next**.

   The **Upload Source Preferences Maintenance** screen displays.

Figure 3-6 Upload Source Preferences Maintenance



2. On the **Upload Source Preferences Maintenance** screen, specify the fields.

> **Note**
>
> The fields, which are marked with an asterisk, are mandatory.

For more information on fields, refer to the field description table.

Table 3-6 Upload Source Preferences Maintenance - Field Description

Field	Description
Source Code	Select the source code from the list of values. Depending on the selected source code, data is uploaded from that source into the Oracle Banking Corporate Lending.

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Table 3-6 (Cont.) Upload Source Preferences Maintenance - Field Description

Field	Description
Module Code	Choose to upload data from a source directly onto a module in Oracle Banking Corporate Lending. Indicate the module into which wants to upload data from a given source.
On Error	In case a serious error occurs during data upload, Oracle Banking Corporate Lending generates an error message. The user can choose to put the record with the error on hold. In such a case, choose **Put on Hold** from the list of options available. To reject the record altogether, choose **Reject**.
On Override	Oracle Banking Corporate Lending generates override messages in case it encounters any discrepancies during data upload. Select the override from the drop-down list. The list displays the following values: • **Ignore** - Select this option to ignore such error messages and continue with the upload process. • **Put on Hold** - Select this option to put the record on hold for user intervention later. • **Reject** - Select this option to reject the record.
Status	Select the status from the drop-down list: • **Authorized** - Select this option to automatically authorize the data that is uploaded into Oracle Banking Corporate Lending. • **Put on Hold** - Select this option to put records on hold. • **Unauthorized** - Select this option to unauthorize the record. In this case, records will not be authorize automatically on upload, user has to manually authorize the data.
Purge Days	Specify the days maintained for purging of the data uploaded.
Allow Deferred Processing	Check this box to defer the processing of amendment and cancellation uploads.
Allow EOD with Deferred	Check this box to proceed even if the records exist in the deferred processing log. If it is unchecked, then the EOD process halts until the deferred process log is cleared.
Deletion Allowed	Check this box to delete the process log.

3. Click **Exit** to end the transaction.

3.4 Gateway Maintenance

This topic provides the details about Gateway Maintenance.

This topic contains the following sub-topics:

- Maintain Gateway Details
  This topic explains systematic instructions to maintain gateway details.

3.4.1 Maintain Gateway Details

This topic explains systematic instructions to maintain gateway details.

Through the **Gateway Maintenance** screen, maintain the basis for the creation of MT tasks for the Gateway message.

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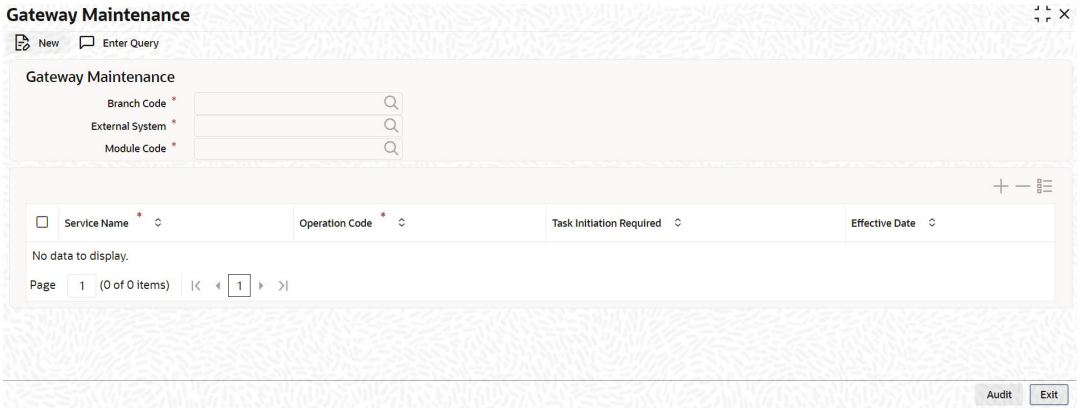
> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **STDGWINT** in the text box, and click **Next**.

   The **Gateway Maintenance** screen displays.

Figure 3-7 Gateway Maintenance



2. On the **Gateway Maintenance** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-7 Gateway Maintenance - Field Description

Field	Description
Branch Code	Click **Search** and specify the branch code of the bank from the adjoining list of values.
External System	Click **Search** and specify the name of the external system from the adjoining list of values.
Module Code	Click **Search** and specify the module name from the adjoining list of values.
Service Name	Click **Search** and specify the service name of the module selected from the adjoining list of values.
Operation Code	Click **Search** and specify the operation code of the service from the adjoining list of values.
Effective Date	Specify the date from which the gateway message maintenance becomes effective. **Effective Date** must be equal to or greater than the application date.

3. Click **Exit** to end the transaction.

3.5 Incoming Message Browser

This topic provides the details about Incoming Message Browser under Gateway Maintenance.

This topic contains the following sub topics:

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- Process Incoming Message Browser Detailed Screen
  This topic explains systematic instructions to process the **Incoming Message Browser - Detail** screen.
- View Incoming Message Details
  This topic explains systematic instructions to process incoming message details.

3.5.1 Process Incoming Message Browser Detailed Screen

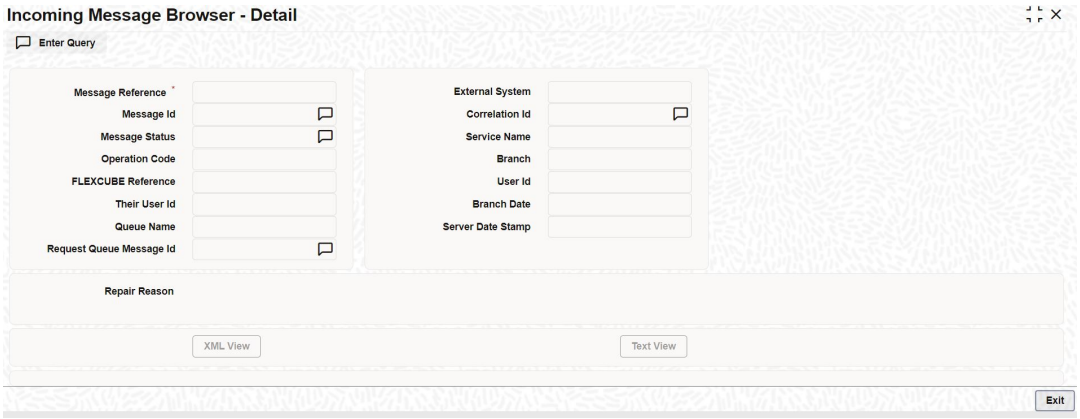
This topic explains systematic instructions to process the **Incoming Message Browser - Detail** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWDINBRW** in the text box, and click **Next**.

   The **Incoming Message Browser - Detail** screen displays.

Figure 3-8 Incoming Message Browser - Detail



2. Click **Enter Query**.

   The **Incoming Message Browser - Detail** screen displays in the editable format.

3. On the **Incoming Message Browser - Detail** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-8 Incoming Message Browser - Detail - Field Description

Field	Description
Message Reference	Type the message reference number of the incoming message and click **Execute Query**.
Message ID	The system displays the identification number of the message.
Message Status	The system displays the status of the message.
Operation Code	The system displays the code of the operation.
FLEXCUBE Reference	The system displays the Oracle FLEXCUBE Universal Banking reference number.

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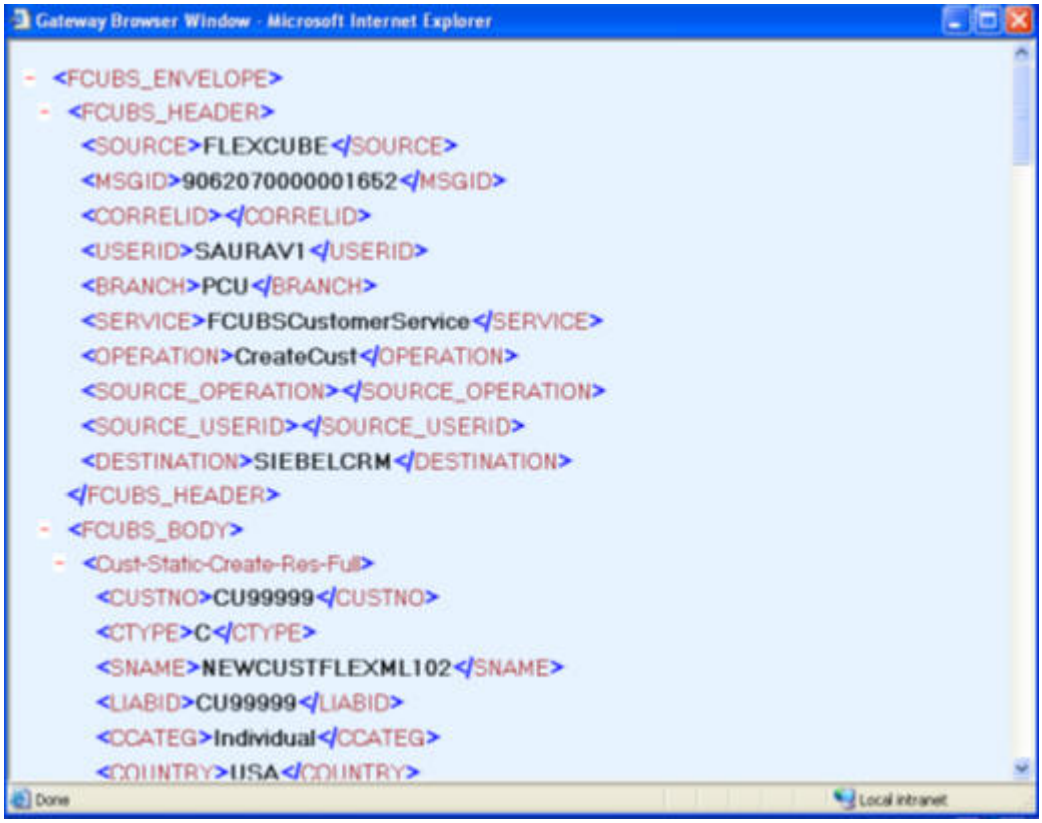
Table 3-8 (Cont.) Incoming Message Browser - Detail - Field Description

Field	Description
Their User ID	The system displays the **Their User ID**.
Queue Name	The system displays the **Queue Name**.
Request Queue Message ID	The system displays the **Request Queue Message ID**.
External System	The system displays the **External System**.
Correlation ID	The system displays the **Correlation ID**.
Service Name	The system displays the **Service Name**.
Branch	The system displays the **Branch**.
User ID	The system displays the **User ID**.
Branch Date	The system displays the **Branch Date**.
Server Date Stamp	The system displays the **Server Date Stamp**.
Repair Reason	The system displays the **Repair Reason**.

This screen displays the details of the messages received from the external systems.

4. Click **Text View** to view the incoming messages in text format.
5. Click **XML View** to view the **Gateway Browser Window** screen which displays the messages in XML format.

Figure 3-9 XML view



6. Click **Exit** to end the transaction.

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3.5.2 View Incoming Message Details

This topic explains systematic instructions to process incoming message details.

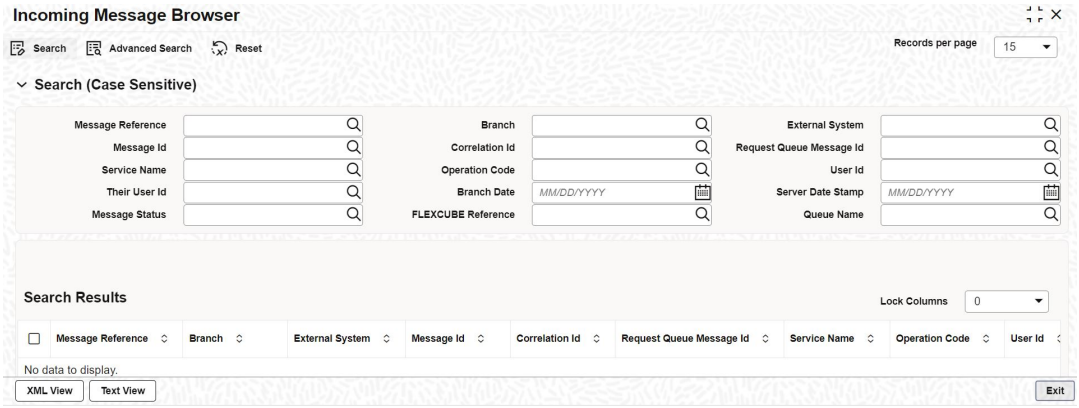
The summary of all messages received from the external system can be viewed using the **Incoming Message Browser** screen.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWSINBRW** in the text box, and click **Next**.

   The **Incoming Message Browser** screen displays.

Figure 3-10 Incoming Message Browser



2. On the **Incoming Message Browser** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-9 Incoming Message Browser - Field Description

Field	Description
Message Reference	Click **Search** and specify the **Message Reference**.
Branch	Click **Search** and specify the **Branch**.
External System	Click **Search** and specify the **External System**.
Message ID	Click **Search** and specify the **Message ID**.
Correlation ID	Click **Search** and specify the **Correlation ID**.
Request Queue Message ID	Click **Search** and specify the **Request Queue Message ID**.
Service Name	Click **Search** and specify the **Service Name**.
Operation Code	Click **Search** and specify the **Operation Code**.
User ID	Click **Search** and specify the **User ID**.
Their User ID	Click **Search** and specify the **Their User ID**.
Branch Date	Click **Calendar** and select the **Branch Date**.
Server Date Stamp	Click **Calendar** and select the **Server Date Stamp**.

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Table 3-9 (Cont.) Incoming Message Browser - Field Description

Field	Description
Message Status	Click **Search** and specify the **Message Status**.
Reference	Click **Search** and specify the Oracle Universal Banking reference number.
Queue Name	Click **Search** and specify the **Queue Name**.

3. Click **Search** after specifying the search parameters.

   The system displays the records that match the search criteria for the following:

   - **Message Reference**
   - **Branch**
   - **External System**
   - **Message ID**
   - **Correlation ID**
   - **Request Queue Message ID**
   - **Service Name**
   - **Operation Code**
   - **User Id**
   - **Their User ID**
   - **Branch Date**
   - **Server Date Stamp**
   - **Message Status**
   - **Reference**
   - **Queue Name**

4. Click **Advanced** to specify queries with logical operators such as **AND**, **OR**, and **NOT**.
5. Click **Reset** to empty the values in the criteria fields, so that a new search can begin.
6. Click **Query** after specifying search details to view the list of results that match the search criteria.
7. Click **Refresh** to refresh the list of results.
8. Click **Exit** to end the transaction.

3.6 Outgoing Message Browser

This topic provides the details about Outgoing Message Browser under Gateway Maintenance.

This topic contains the following sub topics:

- Process Outgoing Message Browser Detailed Screen
  This topic explains systematic instructions to process **Outgoing Message Browser** screen.
- View Outgoing Message Browser
  This topic explains systematic instructions to process outgoing message details.

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3.6.1 Process Outgoing Message Browser Detailed Screen

This topic explains systematic instructions to process **Outgoing Message Browser** screen.

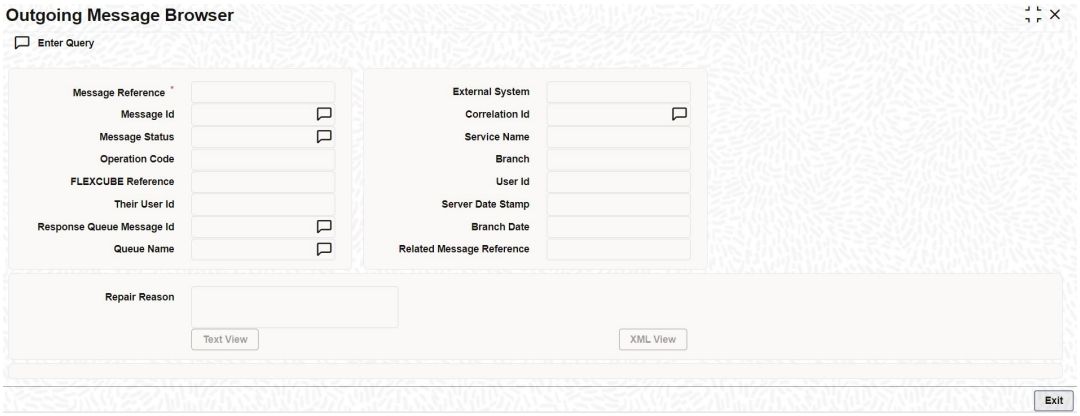
Once the incoming messages are processed, a response message is sent to external systems along with the status of processed messages. The **Outgoing Message Browser** screen displays response messages.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWDOTBRW** in the text box, and click **Next**.

   The **Outgoing Message Browser** screen displays.

Figure 3-11 Outgoing Message Browser



2. Click **Enter Query**.

   The **Outgoing Message Browser** screen displays in the editable format.

3. On the **Outgoing Message Browser** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-10 Outgoing Message Browser - Field Description

Field	Description
Message Reference	Type the message reference number of the outgoing message and click **Execute Query**.
Message ID	The system displays the identification number of the message.
Message Status	The system displays the status of the message.
Operation Code	The system displays the code of the operation.
FLEXCUBE Reference	The system displays the Oracle FLEXCUBE Universal Banking reference number.
Their User ID	The system displays the **Their User ID**.
Response Queue Message ID	The system displays the **Response Queue Message ID**.

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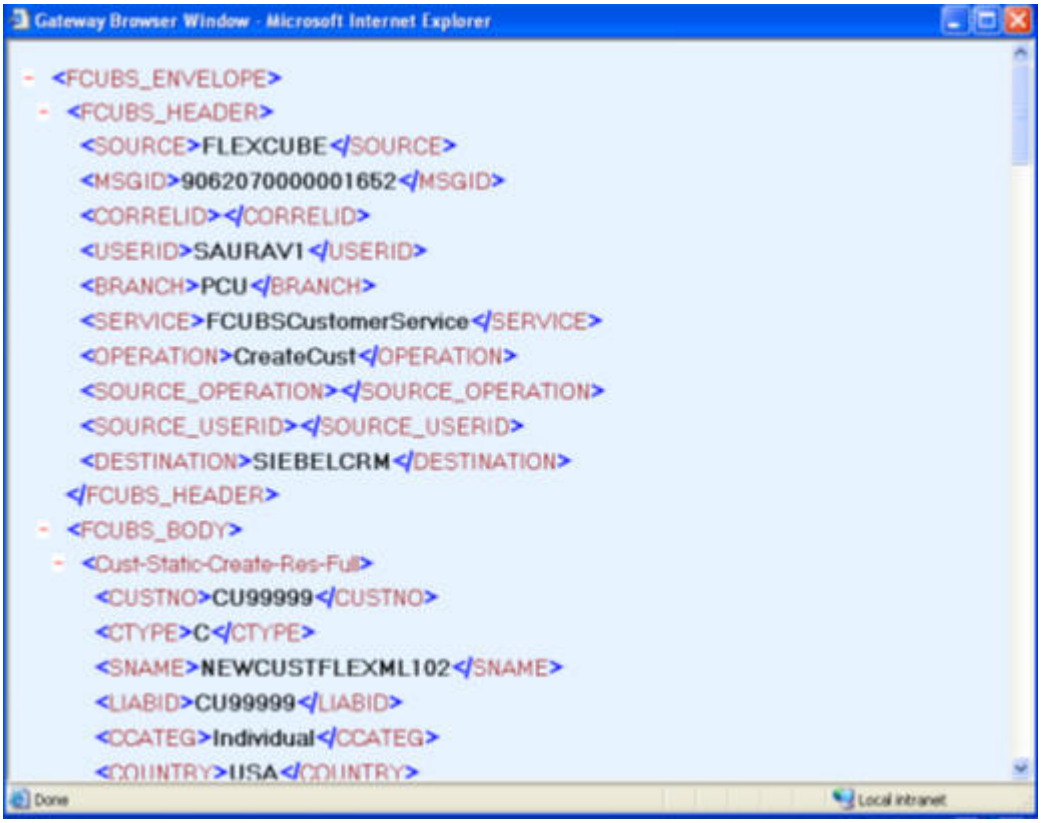
Table 3-10 (Cont.) Outgoing Message Browser - Field Description

Field	Description
Queue Name	The system displays the **Queue Name**.
External System	The system displays the **External System**
Correlation ID	The system displays the **Correlation ID**.
Service Name	The system displays the **Service Name**.
Branch	The system displays the branch code.
User ID	The system displays the **User ID**.
Server Date Stamp	The system displays the **Server Date Stamp**.
Branch Date	The system displays the **Branch Date**.
Related Message Reference	The system displays the **Related Message Reference**.
Repair Reason	The system displays the **Repair Reason**.

The system displays the details of the messages sent to external systems.

4. Click **Text View** to view the response message in text format.
5. Click **XML View** to view the response messages in XML format.

Figure 3-12 XML View



6. Click **Exit** to end the transaction.

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3.6.2 View Outgoing Message Browser

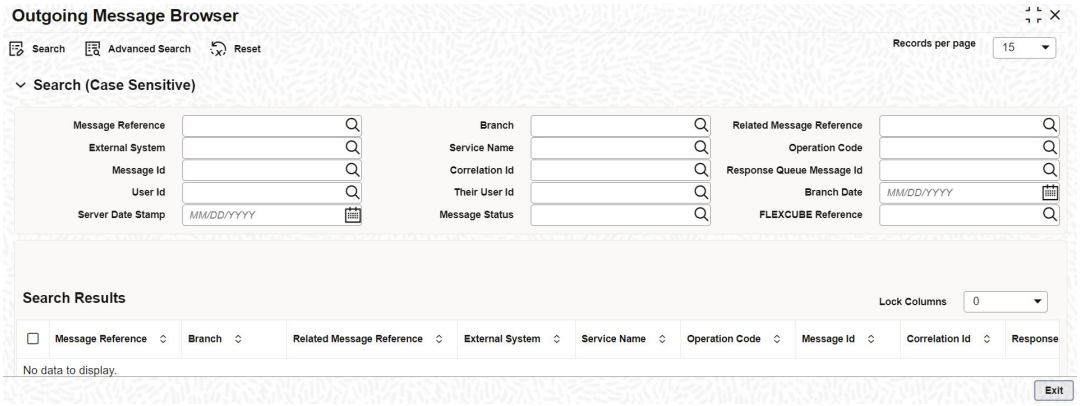
This topic explains systematic instructions to process outgoing message details.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWSOTBRW** in the text box, and click **Next**.

   The **Outgoing Message Browser** screen displays.

Figure 3-13 Outgoing Message Browser



2. On the **Outgoing Message Browser** screen, specify the fields.

   For more information on fields, refer to the field description table.

Table 3-11 Outgoing Message Browser - Field Description

Field	Description
Message Reference	Click **Search** and specify the **Message Reference** from the list of values.
Branch	Click **Search** and specify the branch code from the list of values.
Related Message Reference	Click **Search** and specify the related message reference from the list of values.
External System	Click **Search** and specify the **external system** from the list of values.
Service Name	Click **Search** and specify the **service name** from the list of values.
Operation Code	Click **Search** and specify the **Operation Code** from the list of values.
Message ID	Click **Search** and specify the **Message ID** from the list of values.
Correlation ID	Click **Search** and specify the **Correlation ID** from the list of values.
Response Queue Message ID	Click **Search** and specify the response queue message ID from the list of values.
User ID	Click **Search** and specify the **user ID** from the list of values.
Their User ID	Click **Search** and specify the **Their User ID** from the list of values.
Branch Date	Click **Calendar** and select the branch date.

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Table 3-11 (Cont.) Outgoing Message Browser - Field Description

Field	Description
Server Date Stamp	Click **Calendar** and select the server date stamp.
Message Status	Click **Search** and specify the message status from the list of values.
FLEXCUBE Reference	Click **Search** and specify the Oracle FLEXCUBE Universal Banking reference number.

3. Click **Search** after specifying the search parameters.

   The system displays the records that match the search criteria for the following:

   - **Message Reference**
   - **Branch**
   - **Related Message Reference**
   - **External System**
   - **Service Name**
   - **Operation Code**
   - **Message ID**
   - **Correlation ID**
   - **Response Queue Message ID**
   - **User ID**
   - **Their User ID**
   - **Media**
   - **Branch Date**
   - **Server Date Stamp**
   - **Message Status**
   - **FLEXCUBE Reference**

4. Click **Advanced** to specify queries with logical operators such as **AND**, **OR**, and **NOT**.
5. Click **Reset** to empty the values in the criteria fields, so that a new search can begin.
6. Click **Refresh** to refresh the list of results.
7. Click **Exit** to end the transaction.

3.7 Amendment Maintenance

This topic provides the details about amendment details under Gateway Maintenance.

The topic contains the following sub topic.

- Maintain Gateway Amendment Details
  This topic explains systematic instructions to maintain gateway amendment details.

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3.7.1 Maintain Gateway Amendment Details

This topic explains systematic instructions to maintain gateway amendment details.

The user needs to identify the fields that can be amended by an external system, such as the Siebel CRM application. Every amendment request coming from a system has the following data:

- **Service Name** - This is a broad-level grouping of similar operations within a module in Oracle Banking Corporate Lending. The service names are published by Oracle Banking Corporate Lending. For example, **OBCLCustomerAccountService**. This service is exposed by the Oracle Banking Corporate Lending Interface Gateway to do a permissible operation on a customer account.
- **Operation Name** - This is the name of the operation that the external system wishes to perform within the service. These operations names are published by Oracle Banking Corporate Lending. For example, **ModifyCustomer** is for the modification of a customer.
- **External Operation Name** - This is the specific area of operation that an external system is performing on its side within the broad context of the Oracle Banking Corporate Lending's amendment. In an external system, if the personal details of a customer are changed, this has a unique name by which it is identified within Oracle Banking Corporate Lending. Similarly, if the limits related details of a customer are modified, it also has a unique name.

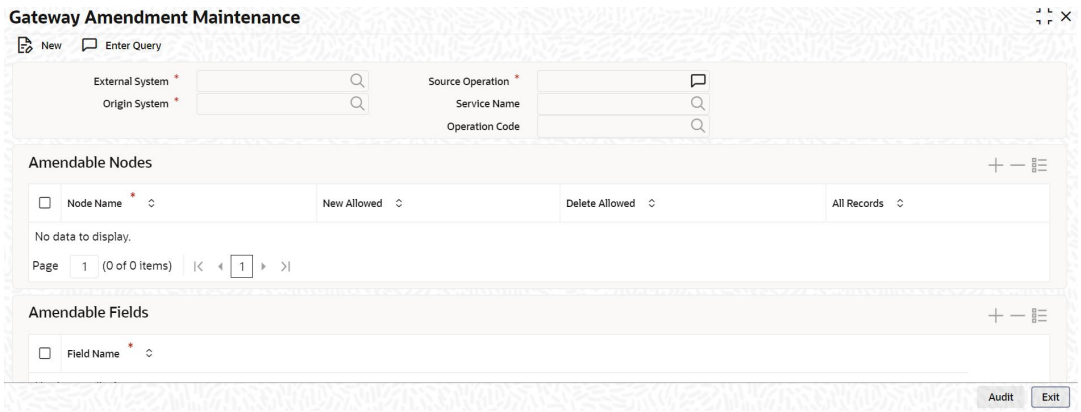
Through the **Gateway Amendment Maintenance** screen, maintain a set of amendable fields, which can amend in Oracle Banking Corporate Lending whenever a request for the same is sent from an external system. Based on this maintenance, the amendment request is addressed by Oracle Banking Corporate Lending.

> **Note**
>
> The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWDAMDMT** in the text box, and click **Next**.

   The **Gateway Amendment Maintenance** screen displays.

Figure 3-14 Gateway Amendment Maintenance



2. On the **Gateway Amendment Maintenance** screen, specify the fields.

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> **Note**
>
> The fields, which are marked with an asterisk, are mandatory.

For more information on fields, refer to the field description table.

Table 3-12 Gateway Amendment Maintenance - Field Description

Field	Description
External System	Specify the **External System**. Based on the maintenance here, only the fields that are selected as amendable can be modified if a request comes from the chosen external system. **Note**: The maintenance pertaining to external systems is factory shipped for the bank.
Origin System	Specify the origin system for which the amendment details are applicable. For Example, if there is a record that is created by a specific external system **CRM**, and the requirement is that, for records created by this specific external system, only a set of fields are modifiable then, specify Origin System as CRM and Oracle Banking Corporate Lending as the External System. This Origin System field is used to identify such requirements wherein the amendable fields can be different if the Origination and Modification of the record are of different external sources. Specify the **Origin System** with the same value as the External System for Non FP services. For FP module services, provide the value as Oracle Banking Corporate Lending and the respective External system can be specified in the **External System** field. This feature is made available only for the FP modules with source operation as **PMDTRONL_MODIFY**.
Source Operation	Specify the free format text (without spaces) which identifies the amendment. **Note**: The **Source Operation** is defaulted as **(FUNCTIONID)_MODIFY**. If the **Source Operation** is not sent from an external system, the function Id is derived from the Service and Operation combination.
Service Name	Specify the **Service Name**, this is a broad-level grouping of similar operations within a module in Oracle Banking Corporate Lending. The service names are published by Oracle Banking Corporate Lending. **Note**: The maintenance pertaining to service names is factory shipped for the bank.
Operation Code	Specify the **Operation Code**. This is the operation that the external system wishes to perform within the selected service. The operation names are published by Oracle Banking Corporate Lending. As an example, take **Modify Customer**, which is for the modification of a customer record. Each operation under different service names is identified by a unique code. **Note**: The maintenance pertaining to operation codes is factory shipped for the bank.
Node Name	Click **Search** and specify the node name from the list of values. The list displays all valid nodes maintained in the system.
New Allowed	Check this box if **New Allowed** is applicable.
Delete Allowed	Check this box if **Delete Allowed** is applicable.

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Table 3-12 (Cont.) Gateway Amendment Maintenance - Field Description

Field	Description
All Records	Check this box if all records are applicable.
Field Name	Specify the **Field Name**.

3. Click **Exit** to end the transaction.

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