

# Oracle® Banking Enterprise Limits and Collateral Management

## Common Core - Gateway User Guide



Release 14.8.0.0.0

G32518-01

April 2025

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Copyright © 2007, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

## 1 Overview of Gateway Functions

---

1.1	EJB Based Synchronous Deployment Pattern	1-3
1.2	Web Services Based Synchronous Deployment Pattern	1-4
1.3	HTTP Servlet Based Synchronous Deployment Pattern	1-4
1.4	MDB Based Asynchronous Deployment Pattern	1-5

## 2 Gateway Maintenance

---

2.1	Maintain External System	2-2
2.2	Process External System Details	2-4
2.3	Define Access Rights to an External System	2-5
2.4	Process External System Function Details	2-6
2.5	Maintain Upload Source Details	2-7
2.6	Maintain Upload Source Preferences	2-8
2.7	Maintain Gateway Details	2-10
2.8	Process Incoming Message Browser Detailed Screen	2-11
2.9	Process Incoming Message Details	2-12
2.10	Process Outgoing Message Browser Detailed Screen	2-14
2.11	Process Outgoing Message Browser	2-15
2.12	Maintain Gateway Amendment Details	2-17

# Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Related Documents](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)
- [Basic Actions](#)
- [Symbols and Icons](#)
- [Prerequisite](#)

## Purpose

This manual is designed to get acquainted with the Integration Gateway of Oracle FLEXCUBE Universal Banking. It provides an overview to the module, and provides information on using the Integration Gateway module of Oracle FLEXCUBE Universal Banking. Access information specific to a particular field by placing the cursor on the relevant field and striking **F1** on the keyboard.

## Audience

**Table 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

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <https://www.oracle.com/corporate/accessibility/>.

### 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.

## 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 ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## 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 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.

## Related Documents

Refer to the following documents for more information:

1. [Procedures User Guide](#)
2. [Products User Guide](#)

## Conventions

The following text conventions are used in this document:

**Table Conventions**

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	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.

## 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.

## Acronyms and Abbreviations

**Table 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
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

## Basic Actions

**Table Basic Actions**

Action	Description
<b>Approve</b>	Used to approve the initiated report. This button is displayed, once the user click <b>Authorize</b> .
<b>Audit</b>	Used to view the maker details, checker details, and report status.
<b>Authorize</b>	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
<b>Close</b>	Used to close a record. This action is available only when a record is created.
<b>Confirm</b>	Used to confirm the performed action.
<b>Cancel</b>	Used to cancel the performed action.
<b>Compare</b>	Used 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 <b>Authorize</b> .
<b>Collapse All</b>	Used to hide the details in the sections. This button is displayed, once the user click <b>Compare</b> .
<b>Expand All</b>	Used to expand and view all the details in the sections. This button is displayed, once the user click <b>Compare</b> .

Table (Cont.) Basic Actions

Action	Description
<b>New</b>	Used to add a new record. When the user click <b>New</b> , the system displays a new record enabling to specify the required data.
<b>OK</b>	Used to confirm the details in the screen.
<b>Save</b>	Used to save the details entered or selected in the screen.
<b>View</b>	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click <b>Authorize</b> .
<b>View Difference only</b>	Used 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 <b>Compare</b> .
<b>Unlock</b>	Used to update the details of an existing record. System displays an existing record in editable mode.

## Symbols and Icons

The following symbols and icons are used in the screens.

Table Symbols and Icons - Common












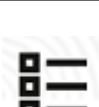






Symbol/Icon	Function
	Minimize
	Maximize
	Close
	Perform Search
	Open a list

Table (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Add a new record
	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.

**Table (Cont.) Symbols and Icons - Common**

Symbol/Icon	Function
	Click this icon to delete an existing row.
	Click to view the created record.
	Click to modify the fields.
	Click to unlock, delete, authorize or view the created record.

**Table Symbols and Icons - Audit Details**









Symbol/Icon	Function
	A user
	Date and time
	Unauthorized or Closed status
	Authorized or Open status

Table Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Closed status
	Authorized status

## Prerequisite

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

# 1

## Overview of Gateway Functions

### Introduction

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 FLEXCUBE Universal Banking in order to exchange data. The Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking.
- **Outbound Application Integration** - Used when any external system needs to be notified of the various events that occur within Oracle FLEXCUBE Universal Banking.

### Inbound Application Integration

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

For more information on FCUBS formats refer to the topic [#unique\\_25](#).

FCUBS 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:

- Oracle FLEXCUBE Universal Banking EJB Based Synchronous Inbound Application Integration Deployment Pattern
- Oracle FLEXCUBE Universal Banking Web Services Based Synchronous Inbound Application Integration Deployment Pattern
- Oracle FLEXCUBE Universal Banking HTTP Servlet Based Synchronous Inbound Application Integration Deployment Pattern

Asynchronous Deployment Pattern is:

- Oracle FLEXCUBE Universal Banking MDB Based Asynchronous Inbound Application Integration Deployment Pattern

This topic contains the following sub-topics:

1. [#unique\\_26](#)
2. [#unique\\_27](#)
3. [#unique\\_28](#)
4. [#unique\\_29](#)

## Outbound Application Integration

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

The notification messages generated by FCUBS on the occurrence of these events will be XML messages. These XML messages are defined in FCUBS in the form of XML Schema Documents (XSD) and are referred to as **FCUBS Formats**. For more information on FCUBS formats refer to the topic [#unique\\_30](#).

## Responsibilities of Integration Gateway

The primary responsibilities of Oracle FLEXCUBE Universal Banking Integration Gateway include the following:

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

## Deployment of Oracle FLEXCUBE Integration Gateway

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

1. Distributed deployment of Oracle FLEXCUBE Universal Banking – 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 FLEXCUBE Universal Banking – In this situation the database components of the Gateway (messaging and business) are both deployed as part of the single Oracle FLEXCUBE Universal Banking schema.

## Deployment Patterns for Application Integration

**Table 1-1 Deployment Patterns for Application Integration**

Business Integration Needs	Nature of Integration	Oracle FLEXCUBE Universal Banking Deployment Pattern	Remarks
Inbound Transactions into Oracle FLEXCUBE Universal Banking	Synchronous	FLEXCUBE UBS EJB	Recommended

**Table 1-1 (Cont.) Deployment Patterns for Application Integration**

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

- [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.

## 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 FLEXCUBE Universal Banking is **EJB**

**literate**, that is, the external system is capable of interacting with Oracle FLEXCUBE Universal Banking based upon the EJB interface. In this deployment pattern, the external system will use the RMI/IIOP protocol to communicate with the Oracle FLEXCUBE Universal Banking EJB.

In this deployment pattern, the EJB displayed by Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking EJB.

## 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 FLEXCUBE Universal Banking 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** are not capable of establishing connections with Oracle FLEXCUBE Universal Banking based on the EJB interface; and/or
- The systems that prefer to use a standards-based approach

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

The services displayed by Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking.

## 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 FLEXCUBE Universal Banking wants to connect to Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking servlet.

For this deployment pattern, Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking servlet. After the necessary processing is done in Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking.

## 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 FLEXCUBE Universal Banking wants to connect to Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking, based on the request, the response is sent to the response queue as an XML message.

# 2

## Gateway Maintenance

This topic lists out subtopics available under Gateway Maintenance.

### External System

This External System section contains the following topics:

1. [#unique\\_36](#)
2. [#unique\\_37](#)

### Access Rights to an External System

This Access Rights to an External System section contains the following topics:

1. [#unique\\_38](#)
2. [#unique\\_39](#)

### Upload Source Definition

This Upload Source Definition section contains the following topics:

1. [#unique\\_40](#)
2. [#unique\\_41](#)

### Gateway Maintenance

This Gateway Maintenance section contains the [#unique\\_42](#) topic.

### Incoming Message Browser

This Incoming Message Browser section contains the following topics:

1. [#unique\\_25](#)
2. [#unique\\_43](#)

### Outgoing Message Browser

This Outgoing Message Browser section contains the following topics:

1. [#unique\\_30](#)
2. [#unique\\_44](#)

### Amendment Maintenance

The Amendment Maintenance section contains the [#unique\\_45](#) topic.

- [Maintain External System](#)  
This topic explains systematic instructions to define and maintain an external system that communicates with the Oracle FLEXCUBE Universal Banking integration gateway.
- [Process External System Details](#)  
This topic explains systematic instructions to process external system details.

- [Define Access Rights to an External System](#)  
This topic explains systematic instructions to define access rights to an external system.
- [Process External System Function Details](#)  
This topic explains systematic instructions to process external system function details.
- [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.
- [Maintain Gateway Details](#)  
This topic explains systematic instructions to maintain gateway details.
- [Process Incoming Message Browser Detailed Screen](#)  
This topic explains systematic instructions to process the **Incoming Message Browser - Detail** screen.
- [Process Incoming Message Details](#)  
This topic explains systematic instructions to process incoming message details.
- [Process Outgoing Message Browser Detailed Screen](#)  
This topic explains systematic instructions to process **Outgoing Message Browser** screen.
- [Process Outgoing Message Browser](#)  
This topic explains systematic instructions to process outgoing message details.
- [Maintain Gateway Amendment Details](#)  
This topic explains systematic instructions to maintain gateway amendment details.

## 2.1 Maintain External System

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



### Note:

The fields which are marked in asterisk are mandatory.

1. On **Homescreen**, type **GWDETSYS** in the text box, and click **Next**.  
The **External System Maintenance** screen displays.

**Figure 2-1 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 2-1 External System Maintenance - Field Description**

Field	Description
<b>External System</b>	Specify an <b>External System</b> .
<b>Description</b>	Specify the description of the external system.
<b>Request</b>	Select an appropriate request option from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Message ID</b></li> <li>• <b>Correlation ID</b></li> </ul>
<b>Request Message</b>	Select an appropriate request message option from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Input Only</b></li> <li>• <b>Full Screen</b></li> </ul>
<b>Response Message</b>	Select an appropriate response message option from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Full Screen</b></li> <li>• <b>Primary Key</b></li> </ul>
<b>XSD Validation Required</b>	Check this box if XSD validation is required.
<b>Default Response Queue</b>	Type a default response in the text box.
<b>Dead Letter Queue</b>	Type a dead letter queue in the text box.
<b>Register Response Queue Message ID</b>	Check this box to register the response queue message ID.
<b>In Queue</b>	Type input queue details in the text box.
<b>Response Queue</b>	Type 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**
  - **Port**
  - **User Name**
  - **Password**

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

## 2.2 Process 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.

- On the **Homescreen**, type **GWSETSYS** in the text box, and click **Next**.  
The **External System Summary** screen displays.

**Figure 2-2 External System Summary**

- On the **External System Summary** screen, specify the fields.  
For more information on fields, refer to the field description table.

**Table 2-2 External System Summary - Field Description**

Field	Description
<b>Authorization Status</b>	Select the authorization status from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Authorized</b></li> <li>• <b>Unauthorized</b></li> <li>• <b>Rejected</b></li> </ul>
<b>Record Status</b>	Select the record status from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Open</b></li> <li>• <b>Closed</b></li> </ul>
<b>External System</b>	Click <b>Search</b> and specify the external system from the list of values.
<b>Default Response Queue</b>	Click <b>Search</b> and specify the default response queue from the list of values.
<b>Dead Letter Queue</b>	Specify the dead letter queue from the list of values.

- 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. Click **Refresh** to refresh the list of results.
  7. Click **Query** after specifying the details to view the list of results that match the search criteria.
  8. Click **Exit** to close the screen.

## 2.3 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 **GWDEFUN** in the text box, and click **Next**.  
The **External System Functions** screen displays.

**Figure 2-3 External System Functions**

The screenshot shows the 'External System Functions' screen. At the top, there are 'New' and 'Enter Query' buttons. Below these are several input fields: 'External System \*', 'Function \*', 'Action \*', 'Service Name', and 'Operation Code'. Each of the first three fields has a search icon. To the right, there is a 'Description' field and a 'Bulk SMS Check' toggle switch. At the bottom, there are 'Fields', 'Audit', and 'Exit' buttons.

2. On the **External System Functions** screen, specify the fields.  
For more information on fields, refer to the field description table.

**Table 2-3 External System Functions - Field Description**

Field	Description
<b>External System</b>	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 <b>External Systems - Detailed</b> screen.
<b>Description</b>	The system displays the description of the selected <b>External System</b> .
<b>Function ID</b>	Select a <b>Function ID</b> from the list of values. The function IDs are processed from Gateway Functions.
<b>Action</b>	Select an action for the external system from the list of values.
<b>Service Name</b>	The system displays the <b>Service Name</b> based on the <b>Function ID</b> and <b>Action</b> fields.
<b>Operation Code</b>	The system displays the <b>Operation Code</b> based on the <b>Function ID</b> and <b>Action</b> fields.
<b>Bulk SMS Check</b>	Check this box for bulk SMS checks.

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

## 2.4 Process 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.

**Figure 2-4 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 2-4 External System Function Summary - Field Description**

Field	Description
<b>Authorization Status</b>	Select the authorization status from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Authorized</b></li> <li>• <b>Unauthorized</b></li> <li>• <b>Rejected</b></li> </ul>
<b>Record Status</b>	Select the record status from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Open</b></li> <li>• <b>Closed</b></li> </ul>
<b>External System</b>	Specify the external system from the list of values.
<b>Function</b>	Specify the function from the list of values.
<b>Action</b>	Specify the action from the list of values.

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

## 2.5 Maintain Upload Source Details

This topic explains systematic instructions to maintain upload source details.

Oracle FLEXCUBE Universal Banking 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 FLEXCUBE Universal Banking using the **Upload Source Maintenance** screen.

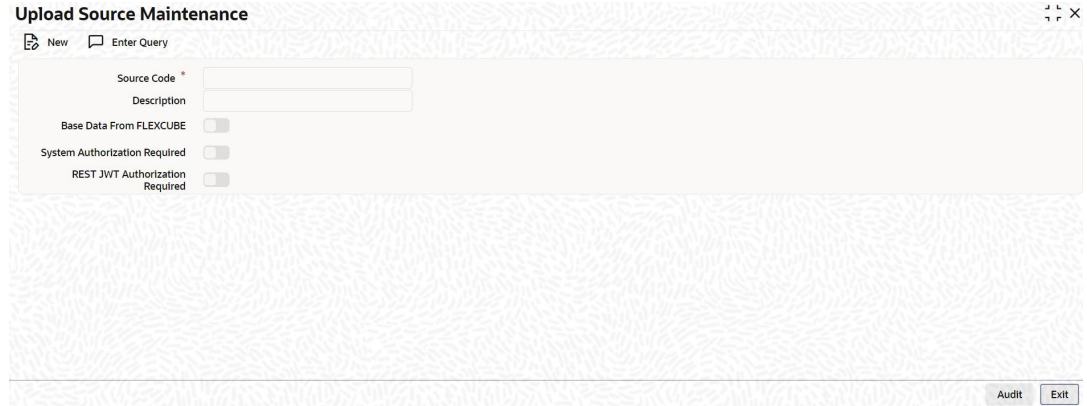


### Note:

The fields which are marked in asterisk are mandatory.

- On **Homescreen**, type **CODSORCE** in the text box, and click **Next**.  
The **Upload Source Maintenance** screen displays.

**Figure 2-5 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 2-5 Upload Source Maintenance - Field Description**

Field	Description
<b>Source Code</b>	Specify a code for the source from which data has to be uploaded to Oracle FLEXCUBE Universal Banking.
<b>Source Description</b>	Type a description of the source code specified.
<b>Base Data From FLEXCUBE</b>	Check this box to indicate if base data has to be uploaded from Oracle FLEXCUBE Universal Banking.
<b>System Authorization Required</b>	Check this box to indicate if system authorization is required.

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

## 2.6 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 2-6 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 2-6 Upload Source Preferences Maintenance - Field Description**

Field	Description
<b>Source Code</b>	Select the source code from the list of values. Depending on the selected source code, data is uploaded from that source into the Oracle FLEXCUBE Universal Banking.
<b>Module Code</b>	Choose to upload data from a source directly onto a module in Oracle FLEXCUBE Universal Banking. Indicate the module into which wants to upload data from a given source.
<b>On Override</b>	Oracle FLEXCUBE Universal Banking 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: <ul style="list-style-type: none"> <li>• <b>Ignore</b> - Select this option to ignore such error messages and continue with the upload process.</li> <li>• <b>Put on Hold</b> - Select this option to put the record on hold for user intervention later.</li> <li>• <b>Reject</b> - Select this option to reject the record.</li> </ul>
<b>On Error</b>	In case a serious error occurs during data upload, Oracle FLEXCUBE Universal Banking generates an error message. The user can choose to put the record with the error on hold. In such a case, choose <b>Put on Hold</b> from the list of options available. To reject the record altogether, choose <b>Reject</b> .
<b>Status</b>	Select the status from the drop-down list: <ul style="list-style-type: none"> <li>• <b>Authorized</b> - Select this option to automatically authorize the data that is uploaded into Oracle FLEXCUBE Universal Banking.</li> <li>• <b>Put on Hold</b> - Select this option to put records on hold.</li> <li>• <b>Unauthorized</b> - 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.</li> </ul>

**Table 2-6 (Cont.) Upload Source Preferences Maintenance - Field Description**

Field	Description
<b>Purge Days</b>	Specify the days maintained for purging of the data uploaded.
<b>Allow Deferred Processing</b>	Check this box to defer the processing of amendment and cancellation uploads.
<b>Allow EOD with Deferred</b>	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.
<b>Deletion Allowed</b>	Check this box to delete the process log.

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

## 2.7 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.

### 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 2-7 Gateway Maintenance**

2. On the **Gateway Maintenance** screen, specify the fields.  
For more information on fields, refer to the field description table.

**Table 2-7 Gateway Maintenance - Field Description**

Field	Description
<b>Branch Code</b>	Click <b>Search</b> and specify the branch code of the bank from the adjoining list of values.
<b>External System</b>	Click <b>Search</b> and specify the name of the external system from the adjoining list of values.
<b>Module Code</b>	Click <b>Search</b> and specify the module name from the adjoining list of values.
<b>Service Name</b>	Click <b>Search</b> and specify the service name of the module selected from the adjoining list of values.
<b>Operation Code</b>	Click <b>Search</b> and specify the operation code of the service from the adjoining list of values.
<b>Effective Date</b>	Specify the date from which the gateway message maintenance becomes effective. <b>Effective Date</b> must be equal to or greater than the application date.
<b>Task Initiation Required</b>	Check this box if task initiation is required.

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

## 2.8 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 2-8 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 2-8 Incoming Message Browser - Detail - Field Description**

Field	Description
<b>Message Reference</b>	Type the message reference number of the incoming message and click <b>Execute Query</b> .
<b>Message ID</b>	The system displays the identification number of the message.
<b>Message Status</b>	The system displays the status of the message.
<b>Operation Code</b>	The system displays the code of the operation.
<b>FLEXCUBE Reference</b>	The system displays the Oracle FLEXCUBE Universal Banking reference number.
<b>Their User ID</b>	The system displays the <b>Their User ID</b> .
<b>Queue Name</b>	The system displays the <b>Queue Name</b> .
<b>Request Queue Message ID</b>	The system displays the <b>Request Queue Message ID</b> .
<b>External System</b>	The system displays the <b>External System</b> .
<b>Correlation ID</b>	The system displays the <b>Correlation ID</b> .
<b>Service Name</b>	The system displays the <b>Service Name</b> .
<b>Branch</b>	The system displays the <b>Branch</b> .
<b>User ID</b>	The system displays the <b>User ID</b> .
<b>Branch Date</b>	The system displays the <b>Branch Date</b> .
<b>Server Date Stamp</b>	The system displays the <b>Server Date Stamp</b> .
<b>Repair Reason</b>	The system displays the <b>Repair Reason</b> .

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

## 2.9 Process 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 2-9 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 2-9 Incoming Message Browser - Field Description**

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

## 2.10 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 2-10 Outgoing Message Browser**

2. Click **Enter Query**.  
The **Outgoing Message Browser** screen displays in the editable format.

- On the **Outgoing Message Browser** screen, specify the fields.  
For more information on fields, refer to the field description table.

**Table 2-10 Outgoing Message Browser - Field Description**

Field	Description
<b>Message Reference</b>	Type the message reference number of the outgoing message and click <b>Execute Query</b> .
<b>Message ID</b>	The system displays the identification number of the message.
<b>Message Status</b>	The system displays the status of the message.
<b>Operation Code</b>	The system displays the code of the operation.
<b>FLEXCUBE Reference</b>	The system displays the Oracle FLEXCUBE Universal Banking reference number.
<b>Their User ID</b>	The system displays the <b>Their User ID</b> .
<b>Response Queue Message ID</b>	The system displays the <b>Response Queue Message ID</b> .
<b>Queue Name</b>	The system displays the <b>Queue Name</b> .
<b>External System</b>	The system displays the <b>External System</b> .
<b>Correlation ID</b>	The system displays the <b>Correlation ID</b> .
<b>Service Name</b>	The system displays the <b>Service Name</b> .
<b>Branch</b>	The system displays the branch code.
<b>User ID</b>	The system displays the <b>User ID</b> .
<b>Server Date Stamp</b>	The system displays the <b>Server Date Stamp</b> .
<b>Branch Date</b>	The system displays the <b>Branch Date</b> .
<b>Related Message Reference</b>	The system displays the <b>Related Message Reference</b> .
<b>Repair Reason</b>	The system displays the <b>Repair Reason</b> .

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

- Click **Text View** to view the response message in text format.
- Click **XML View** to view the response messages in XML format.
- Click **Exit** to end the transaction.

## 2.11 Process Outgoing Message Browser

This topic explains systematic instructions to process outgoing message details.



### Note:

The fields which are marked in asterisk are mandatory.

- On **Homescreen**, type **GWSOTBRW** in the text box, and click **Next**.  
The **Outgoing Message Browser** screen displays.

**Figure 2-11 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 2-11 Outgoing Message Browser - Field Description**

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

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.

## 2.12 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 FLEXCUBE Universal Banking. The service names are published by Oracle FLEXCUBE Universal Banking. For example, **FCUBSCustomerAccountService**. This service is exposed by the FCUBS 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 FLEXCUBE Universal Banking. 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 FLEXCUBE Universal Banking'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 FLEXCUBE Universal Banking. 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 FLEXCUBE Universal Banking whenever a request for the same is sent from an external system. Based on this maintenance, the amendment request is addressed by Oracle FLEXCUBE Universal Banking.



### 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 2-12 Gateway Amendment Maintenance**

2. On the **Gateway Amendment 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 2-12 Gateway Amendment Maintenance - Field Description**

Field	Description
<b>External System</b>	Specify the <b>External System</b> . 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. <b>Note:</b> The maintenance pertaining to external systems is factory shipped for the bank.
<b>Origin System</b>	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 <b>CRM</b> , 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 FLEXCUBE Universal Banking 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 <b>Origin System</b> with the same value as the External System for Non FP services. For FP module services, provide the value as Oracle FLEXCUBE Universal Banking and the respective External system can be specified in the <b>External System</b> field. This feature is made available only for the FP modules with source operation as <b>PMDTRONL_MODIFY</b> .

**Table 2-12 (Cont.) Gateway Amendment Maintenance - Field Description**

Field	Description
<b>Source Operation</b>	Specify the free format text (without spaces) which identifies the amendment. <b>Note:</b> The <b>Source Operation</b> is defaulted as <b>(FUNCTIONID)_MODIFY</b> . If the <b>Source Operation</b> is not sent from an external system, the function Id is derived from the Service and Operation combination.
<b>Service Name</b>	Specify the <b>Service Name</b> , this is a broad-level grouping of similar operations within a module in Oracle FLEXCUBE Universal Banking. The service names are published by Oracle FLEXCUBE Universal Banking. <b>Note:</b> The maintenance pertaining to service names is factory shipped for the bank.
<b>Operation Code</b>	Specify the <b>Operation Code</b> . This is the operation that the external system wishes to perform within the selected service. The operation names are published by Oracle FLEXCUBE Universal Banking. As an example, take <b>Modify Customer</b> , which is for the modification of a customer record. Each operation under different service names is identified by a unique code. <b>Note:</b> The maintenance pertaining to operation codes is factory shipped for the bank.
<b>Node Name</b>	Click <b>Search</b> and specify the node name from the list of values. The list displays all valid nodes maintained in the system.
<b>New Allowed</b>	Check this box if <b>New Allowed</b> is applicable.
<b>Delete Allowed</b>	Check this box if <b>Delete Allowed</b> is applicable.
<b>All Records</b>	Check this box if all records are applicable.
<b>Field Name</b>	Specify the <b>Field Name</b> .

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