

**Common Core User Guide**

# **Oracle FLEXCUBE Onboarding**

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## Common Core User Guide

Oracle Financial Services Software Limited  
Oracle Park  
Off Western Express Highway  
Gurgaon (East)  
Mumbai, Maharashtra 400 063  
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

<https://www.oracle.com/industries/financial-services/index.html>

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# 1 Preface

## 1.1 Introduction

This user guide is designed to help you quickly get acquainted with the many functions routinely executed every day.

## 1.2 Audience

This user manual is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

## 1.3 Document 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>.

## 1.4 Acronyms and Abbreviations

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

Abbreviation	Description
System	Core Maintenance Module
NLP	Natural Language Processing

## 1.5 List of Topics

This user manual is organized as follow:

Topics	Description
<b>Core Maintenance</b>	This topic describes about Core Maintenance module.
<b>NLP Framework</b>	This topic describes about NLP Framework.
<b>Error Codes and Messages</b>	This topic describes list of error codes and messages.
<b>List of Glossary</b>	This topic has alphabetical list of Core Maintenance processes with page references for quick navigation.

## 1.6 Related Documents

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

- Security Management System User Guide
- Getting Started User Guide

## 1.7 Symbols

This user manual may refer to the following symbols:

→	Represents Results
---	--------------------



## 2 Core Maintenance

This section is designed to help you quickly get acquainted with the many functions routinely executed everyday.

### Pre-requisites

Specify **User Id** and **Password**, and login to **Home screen**.

This section contains the following topics:

- [2.1 Advice](#)
- [2.2 Amount Text Language](#)
- [2.3 BIC Directory](#)
- [2.4 Branch EOD](#)
- [2.5 Country Code](#)
- [2.6 Currency Definition](#)
- [2.7 Currency Exchange Rate](#)
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- [2.20 Forget Process](#)
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- [2.22 Language Code](#)
- [2.23 Local Holiday](#)
- [2.24 Media](#)

- [2.25 Process Code](#)
- [2.26 System Dates](#)
- [2.27 Transaction Code](#)
- [2.28 Upload Source](#)
- [2.29 Upload Source Preference](#)
- [2.30 Pricing Source System](#)

## 2.1 Advice

You can configure various BIP advices that are available for the process.

This section contains following subsections:

- [2.1.1 Advice Summary](#)
- [2.1.2 Advice Maintenance](#)

### 2.1.1 Advice Summary

The summary screen provides a list of configured advice. You can configure an advice for a process using the [Advice Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Advice**.
2. Under **Advice**, click **View Advice**.

→ The **View Advice** screen is displayed.

**Figure 1: View Advice**



For more information on menus, refer to [Table 1: View Advice – Field Description](#).

**Table 1: View Advice – Field Description**

<b>Field</b>	<b>Description</b>
<b>Advice Name</b>	Displays the name of the advice.
<b>Advice Description</b>	Displays information about the advice.
<b>Micro Service Name</b>	Displays the name of the micro service.
<b>Status</b>	Displays the status of the record.

## 2.1.2 Advice Maintenance

The maintenance screen allows you to configure advices. To process this screen, perform the following steps:


1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Advice**.
2. Under **Advice**, click **Create Advice**.


→ The **Create Advice** screen is displayed.

**Figure 2: Create Advice**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 2: Create Advice – Field Description](#).

**Table 2: Create Advice – Field Description**

Field	Description
<b>Advice Name</b>	Specify the name of the advice.
<b>Advice Description</b>	Specify the information about the advice.
<b>Micro Service Name</b>	Specify the name of the micro service.
<b>Swift Micro Service</b>	Specify the information about the swift micro service.
<b>Micro Service Endpoint</b>	Specify the endpoint micro service.
<b>Application Name</b>	Specify the application name for which advice is generated.
<b>Application Description</b>	Specify the additional information about the application.
	Click + icon to add multiple media details.

Field	Description
	Click - icon to remove media details.
<b>Media</b>	Search and select the required media.
<b>Branch</b>	Search and select the required branch.
<b>Currency</b>	Search and select the required currency.
<b>Report Locale</b>	Specify the locale report details.
<b>Report Absolute Path</b>	Specify the report absolute path.
<b>Format</b>	Select a download file format for an advice from the dropdown list. The formats available are, PDF, PPTX, HTML, XLS, and RTF.
<b>Swift Endpoint</b>	Specify the swift endpoint.

- Click **Save**. You can view the confirmation advice details in the [Advice Summary](#).

## 2.2 Amount Text Language

You can configure an amount text language.

This section contains following subsections:

- [2.2.1 Amount Text Language Summary](#)
- [2.2.2 Amount Text Language Maintenance](#)

### 2.2.1 Amount Text Language Summary

The summary screen provides a list of configured amount text language. You can configure an amount text language using the [Amount Text Language Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Amount Text Language**.
2. Under **Amount Text Language**, click **View Amount Text Language**.

→ The **View Amount Text Language** screen is displayed.

**Figure 3: View Amount Text Language**



For more information on menus, refer to [Table 3: View Amount Text Language – Field Description](#).

**Table 3: View Amount Text Language – Field Description**

Field	Description
<b>Language Code</b>	Displays the language code associated with the amount word.
<b>Status</b>	Displays the status of the record.

## 2.2.2 Amount Text Language Maintenance

The maintenance screen allows you to configure amount text language. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Amount Text Language**.
2. Under **Amount Text Language**, click **Create Amount Text Language**.



→ The **Create Amount Text Language** screen is displayed.

**Figure 4: Create Amount Text Language**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 4: Create Amount Text Language – Field Description](#).

**Table 4: Create Amount Text Language – Field Description**

Field	Description
<b>Language Code</b>	Search and select the required language code.
<b>Amount Word Currency List</b>	Specify the amount word currency details.
<b>CCY Symbol</b>	Specify the CCY symbols.

Field	Description
<b>Decimals As Fraction</b>	Select a decimals as fraction value from the drop-down list.
<b>Final Text</b>	Specify the final text for the amount word currency list.
<b>CCY</b>	Search and select the CCY.
<b>Post Decimal</b>	Specify the post decimal details.
<b>Pre Decimal</b>	Specify the pre decimal details.
<b>Text Before</b>	Select an option for the before text.
<b>Text Between</b>	Specify the text that must appear between the amount word currency list.
<b>Amount Word Text List</b>	Specify the amount word text details.
	Click + icon to add the required amount word text list details.
	Click - icon to remove the required amount word text list details.
<b>Amount</b>	Select the amount details.
<b>One Flag</b>	Select an option for the amount word text list.
<b>Text</b>	Specify the text for the amount word.

- Click **Save**. You can view the configured amount text language details in the [Amount Text Language Summary](#).



## 2.3 BIC Directory

As part of setting up basic information, you must maintain Bank Identifier Codes (BIC). You can configure the BIC directory for a customer.

This section contains following subsections:

- [2.3.1 BIC Directory Summary](#)
- [2.3.2 BIC Directory Maintenance](#)

### 2.3.1 BIC Directory Summary

The summary screen provides a list of configured BIC directory. You can configure the BIC directory using the [BIC Directory Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **BIC Directory**.
2. Under **BIC Directory**, click **View BIC Directory**.

→ The **View BIC Directory** screen is displayed.

**Figure 5: View BIC Directory**



For more information on menus, refer to [Table 5: View BIC Directory – Field Description](#).

**Table 5: View BIC Directory – Field Description**

Field	Description
<b>Customer Number</b>	Displays the number of the customer.
<b>Sub-type Code</b>	Displays the sub-type code associated with the customer number.
<b>BIC Code</b>	Displays the defined BIC code for the associated customer
<b>Bank Name</b>	Displays the name of the bank.
<b>Status</b>	Displays the status of the record.

## 2.3.2 BIC Directory Maintenance

The maintenance screen allows you to configure a BIC directory for a customer. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **BIC Directory**.
2. Under **BIC Directory**, click **Create BIC Directory**.

→ The **Create BIC Directory** screen is displayed.

**Figure 6: Create BIC Directory**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 6: Create BIC Directory – Field Description](#).

**Table 6: Create BIC Directory – Field Description**

Field	Description
<b>BIC Code</b>	Specify the unique BIC Code by which the bank is identified by SWIFT.
<b>Bank Name</b>	Specify the name for the bank.
<b>Customer Number</b>	Search and select the required customer number.
<b>Customer Name</b>	Based on the <b>Customer Number</b> selected, the information is auto-populated.
<b>Bank Address 1-3</b>	Based on the <b>Customer Number</b> selected, the information is auto-populated.
<b>SWIFT Key</b>	Specify the swift key details.
<b>Telex Key</b>	Specify the unique telex key for the BIC directory.

Field	Description
<b>SWIFT Key Arrangement</b>	Select the SWIFT key arrangement from the drop-down list.
<b>Relationship</b>	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>No: If selected, indicates that the BIC Entity is not a customer of your bank</li> <li>Mail: If selected, the BIC entity is not a recognized SWIFT entity but an address internal to your bank. In such cases, all correspondence directed to the particular BIC entity is sent as mail messages.</li> <li>Keys: If selected, a SWIFT/Telex connectivity exists between your bank and the bank for which you are maintaining details. Subsequently, you must specify the SWIFT/Telex Key in the adjacent field.</li> </ul>
<b>Sub-type Code</b>	Search and select the required sub-type code.
<b>BEI Indicator</b>	Based on the <b>Sub-type Code</b> selected, the information is auto-populated.
<b>ADB Member</b>	Select the ADB member from the drop-down list.
<b>Payment Message</b>	Specify the payment message details.
<b>MT103+ Preferred</b>	By default, this is disabled. If selected, indicates the counter party whose BIC code details you are capturing capacitate to receive payment messages in the MT 103 format.
<b>Blacklisted</b>	By default, this is disabled. If selected, indicates the BIC entity is blacklisted.
<b>CUG Member</b>	By default, this is disabled. If selected, indicates the BIC entity is a closed user group member. Remit Member: By default, this is disabled. If selected, indicates the customer is registered with MT 103 extended remittance information multiple user group.
<b>Update During Upload</b>	By default, this is disabled. If selected, updated the BIC directory during an upload.
<b>Multi-Customer Credit Transfer</b>	Specify the Multi-Customer Credit Transfer details.
<b>Multi-Customer Credit Transfer</b>	By default, this is disabled. If selected, indicates multiple credit transfer feature [MT102 support] exists between the bank and the BIC entity.

Field	Description
<b>Generate 102+</b>	By default, this is disabled. If selected, generates 102+ message.
<b>Maximum Size in Bytes</b>	Specify the maximum size.
<b>Request for Transfer</b>	Specify the Request for Transfer details.
<b>Generate MT101</b>	By default, this is disabled. If selected, indicates MT101 can be sent/received from this BIC. Select to generate MT101 message.
<b>Number of Transactions Per Page</b>	Specify the number of transactions to view per page. If you do not specify a value it is defaulted to 10.
<b>Real Customer Number</b>	Search and select the required real customer number.
<b>Real Customer Name</b>	Based on the <b>Real Customer Number</b> selected, the information is auto- populated.

- Click **Save**. You can view the configure BIC directory in the [BIC Directory Summary](#).

## 2.4 Branch EOD

You can invoke End of Day (EOD) to indicate that all the activities for the day are complete. Activities can be performed on the system only after the system date is changed to the next working day and authorized.

Most of the automated functions are part of the beginning of day operations. Thereafter, some of them must be executed when the system is in the EOTI (End of Transaction Input) stage.

This section contains following subsections:

- [2.4.1 Branch EOD Maintenance](#)

### 2.4.1 Branch EOD Maintenance

The maintenance screen allows you to invoke the branch EOD process. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Branch EOD**.
2. Under **Branch EOD**, click **Invoke EOD**.

→ The **Invoke EOD** screen is displayed.

**Figure 7: Invoke EOD**

The screenshot shows the 'Invoke EOD' screen. At the top, there are three input fields: 'Branch Code' with the value 'BIB', 'Description' with the value 'COLUMBIA TEST BRANCH', and 'Current Branch Date' with the value '2016-12-01'. Below these fields are three buttons: 'Clear', 'Verify', and 'Invoke'. Below the buttons is a section titled 'View End of Cycle Processes' with a 'Refresh' button. Below this is a table with the following data:

Stage	Batch Task	Start Time	End Time	Status	Error Code
EOD	IC	Dec 26, 2020 00:16:36	Dec 26, 2020 00:16:36	FAILED	IC batch failed.
EOD	POOL	Dec 26, 2020 00:16:27	Dec 26, 2020 00:16:35	COMPLETED	
EOD	SWEEP	Dec 27, 2020 21:08:02	Dec 27, 2020 21:08:04	COMPLETED	
EOD	markutoff	Dec 27, 2020 21:07:58	Dec 27, 2020 21:08:01	COMPLETED	

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 7: Invoke EOD – Field Description](#).

**Table 7: Invoke EOD – Field Description**

Field	Description
<b>Branch Code</b>	Displays the branch code that is associated with the logged in user.
<b>Description</b>	Displays the description of the branch.
<b>Current Branch Date</b>	Displays the logged in application date.
<b>Start</b>	Click <b>Start</b> to initiate EOD for a branch.
<b>Retry</b>	Click <b>Retry</b> to retrigger the last failed EOD task.
<b>Reset</b>	Click <b>Reset</b> to reset all the configured details to current application's configured details.
<b>View End of Cycle Processes</b>	Specifies the list of EOD processes.
<b>Refresh</b>	Click <b>Refresh</b> to view the latest status of EOD tasks.
<b>Stage</b>	Displays the stage of EOD. A stage can have multiple tasks.
<b>Batch Task</b>	Displays the task name of the relevant stage.
<b>Start Time</b>	Displays the start time of batch task.
<b>End Time</b>	Displays the end time of batch task.
<b>Status</b>	Based on the operation performed the status is updated.
<b>Error Code</b>	Displays the error code for the failed batches.

For more information on EOD stages, please refer to **EOD Configurations Guide** of the respective products.

## 2.5 Country Code

You can configure a country code.

This section contains following subsections:

- [2.5.1 Country Code Summary](#)
- [2.5.2 Country Code Maintenance](#)

### 2.5.1 Country Code Summary

The summary screen provides a list of configured country code. You can configure a country code using the [Country Code Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Country Code**.
2. Under **Country Code**, click **View Country Code**.

→ The **View Country Code** screen is displayed.

**Figure 8: View Country Code**



For more information on menus, refer to [Table 8: View Country Code – Field Description](#).

**Table 8: View Country Code – Field Description**

Field	Description
<b>Country Code</b>	Displays the country code details.
<b>Country Name</b>	Displays the name of the country.
<b>ISO Numeric Code</b>	Displays the ISO numeric code details of the country code.
<b>Status</b>	Displays the status of the record.

## 2.5.2 Country Code Maintenance

The maintenance screen allows you to configure a country code. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Country Code**.
2. Under **Country Code**, click **Create Country Code**.

→ The **Create Country Code** screen is displayed.

**Figure 9: Create Country Code**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 9: Create Country Code – Field Description](#).

**Table 9: Create Country Code – Field Description**

Field	Description
<b>Country Code</b>	Specify the country code.
<b>Country Name</b>	Specify the name of the country.
<b>Alternate Country Code</b>	Specify the alternate country code.
<b>Region Code</b>	Specify the region code.
<b>ISO Country Code</b>	Specify the ISO country code.
<b>ISO Code</b>	Specify the ISO code.
<b>Limit Currency</b>	Specify the limit currency.
<b>Overall Limit</b>	Specify the overall limit.



Field	Description
<b>Blacklist</b>	By default, this is disabled. If selected, indicates the country is blacklisted.
<b>EU Member</b>	By default, this is disabled. If selected, indicates the country is recognized by Swift as a part of the Intra European countries.
<b>Generate 205</b>	By default, this is disabled. If selected, indicates the cover message 205COV or 205 need to be generated for transactions involving this country. If you do not select this option, RTGS, 202 or 202COV message is generated.
<b>IBAN Check Required</b>	By default, this is disabled. If selected, indicates check required for an IBAN is mandatory.
<b>BIC Clearing Code</b>	By default, this is disabled. If selected, indicates the National ID in the BIC plus file is the clearing code. During upload of clearing codes from BIC plus file, the records belong to countries against which this box is selected.
<b>Intra European</b>	By default, this is disabled. If selected, indicates the country is an intra European country.

- Click **Save**. You can view the configured country code details in the [Country Code Summary](#).

## 2.6 Currency Definition

You can define the attributes of the currencies in which the bank can deal. For each currency, you can define attributes such as, the SWIFT code for the currency, the country the currency belongs, the interest method, the spot days, the settlement days, and so on.

Currencies can be maintained only at the Head Office. The list of currencies are available to the branches based on the currencies defined for the country linked to the branch.

This section contains following subsections:

- [2.6.1 Currency Definition Summary](#)
- [2.6.2 Currency Definition Maintenance](#)

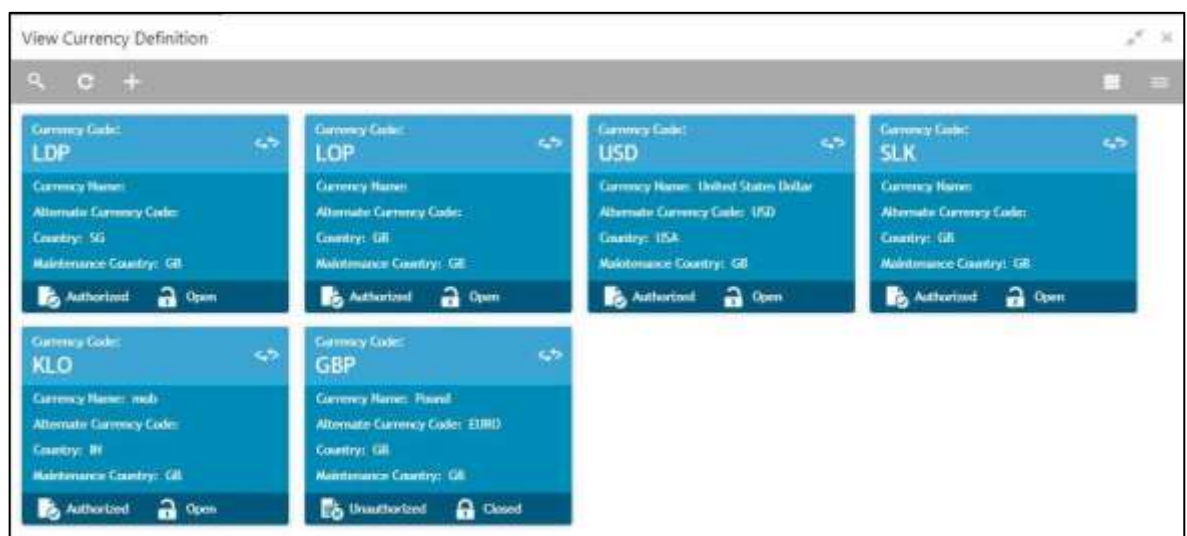
### 2.6.1 Currency Definition Summary

The summary screen provides a list of defined currency. You can define a currency using the Currency Definition Maintenance. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Definition**.
2. Under **Currency Definition**, click **View Currency Definition**.

→ The **View Currency Definition** screen is displayed.

**Figure 10: View Currency Definition**



For more information on menus, refer to [Table 10: View Currency Definition – Field Description](#).

**Table 10: View Currency Definition – Field Description**

Field	Description
<b>Currency Code</b>	Displays the code of the currency.
<b>Currency Name</b>	Displays the name of the currency.

Field	Description
<b>Alternate Currency Code</b>	Displays the code of the alternate currency.
<b>Country</b>	Displays the country associated with the currency.
<b>Maintenance Country</b>	Displays the maintenance country.
<b>Status</b>	Displays the status of the record.

### 2.6.2 Currency Definition Maintenance

The maintenance screen allows you to define currency. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Definition**.
2. Under **Currency Definition**, click **Create Currency Definition**.

→ The **Create Currency Definition** screen is displayed.

### Figure 11: Create Currency Definition

Create Currency Definition

Country Code \*

Maintenance Country \*

Currency Name

Maintenance Currency Code

Currency Type

ISO Standard Currency Code

Currency Symbol \*

Currency Decimals \*

Currency Interest Method \*

Currency Asset Days \*

Foreign Exchange Selling Day \*

Settlement Message Day \*

Position GL

Position Equivalent GL

Currency Release Limit

Index Base Currency

Commodity Code

Get CRT Token

Get CRN Date

Get CRN Asset \*

Get Currency

Invoice 1001

Invoice Flag

Bank to Customer Required

New Code Message External Required

Invoice 1002

Rounding

Currency Round Rule \*

Currency Round Limit

Currency Format Mask \*

Currency Format Mask

1,000,000,000,000

10,000,000,000,000

Euro Type

Currency Euro Type

EURO Currency

EUR Currency

EUR Currency

EURO Closed

Auto Exchange Rate

Credit Auto Exchange Rate Limit

Debit Auto Exchange Rate Limit

Currency Country Mapping

Country Code

Country Name

Currency Code

Go back to listing

Page 1 of 10 items

1



3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 11: Create Currency Definition – Field Description](#).

### Table 11: Create Currency Definition – Field Description

Field	Description
Currency Code	Specify the currency code.
Maintenance Country	Search and select the required maintenance country.

Field	Description
<b>Currency Name</b>	Specify the name of the currency.
<b>Alternate Currency Code</b>	Specify the code of the alternate currency.
<b>Currency Type</b>	Specify the currency type.
<b>ISO Numerical Currency Code</b>	Specify the International Standardization Organization numerical currency code.
<b>Currency Country</b>	Search and select the required currency country.
<b>Currency Decimals</b>	Select the currency decimals.
<b>Currency Interest Method</b>	Select the currency interest method from the drop-down list.
<b>Currency Spot Days</b>	Select the number of spot working days applicable for the currency.
<b>Foreign Exchange Netting Days</b>	Select the number of days for the foreign exchange netting.
<b>Settlement Message Days</b>	Select the settlement message days.
<b>Position GL</b>	Search and select the required position GL.
<b>Position Equivalent GL</b>	Search and select the required position equivalent GL.
<b>Currency Tolerance Limit</b>	Specify the currency tolerance limit.
<b>Index Base Currency</b>	Search and select the required index base currency.
<b>Commodity Code</b>	By default, this is disabled. If selected, enables a commodity code.
<b>Cut Off Time</b>	Specify the cut off time details.
<b>Cut Off Days</b>	Select the cut off days for the payment transaction involving the currency.
<b>Cut Off Hour</b>	Select the hour of the day for the cut off.
<b>Cut Off Min</b>	Select the minute of the hour for the cut off.

Field	Description
<b>CLS Currency</b>	By default, this is disabled. If selected, allow customers of your bank to settle their FX deals via the CLS (Continuous Linked Settlements) Bank, you can identify the currency to be a CLS Currency. FX deals in the CLS currency is only eligible to be routed through the CLS bank.
<b>Generate 103+</b>	By default, this is disabled. If selected, generate outgoing MT 103 messages in the MT 103 + format.
<b>Index Flag</b>	By default, this is disabled. If selected, derives index rate of the currency.
<b>Euro Conversion Required</b>	By default, this is disabled. If selected, indicates the Euro conversion is required.
<b>New Cover Message Format Required</b>	By default, this is disabled. If selected, indicates a new cover message format is required.
<b>Validate Tag-50F</b>	By default, this is disabled. If selected, indicates validations must be performed for the 50F details captured for the ordering customer during contract input.
<b>Rounding</b>	Specify the Rounding details of currency.
<b>Currency Round Rule</b>	Select the currency round rule from the dropdown list.
<b>Currency Round Unit</b>	Select the currency round unit.
<b>Currency Format Mask</b>	Specify the currency format mask details.
<b>Currency Format Mask</b>	Select one of the currency format.
<b>Euro Type</b>	Specify the Euro Type details.
<b>Currency Euro Type</b>	Select one of the currency Euro type.
<b>Auto Exchange Rate</b>	Specify the Auto exchange rate details.
<b>Credit Auto Exchange Rate Limit</b>	Specify the credit automatic exchange rate limit.
<b>Debit Auto Exchange Rate Limit</b>	Specify the debit automatic exchange rate limit.

Field	Description
<b>Currency Country Mapping</b>	Specify the currency country mapping details.
	Click + icon to add the required currency country mapping details.
	Click - icon to remove the required currency country mapping details.
<b>Country Code</b>	Search and select the required country code.
<b>Country Name</b>	Specify the name of the country.
<b>Currency Code</b>	Search and select the required currency code.

### Cut Off Time

Refers to the time by which all transactions involving a currency should be generated. For a currency, you can indicate the cut-off hour and minute. This time should be expressed in the local time of the bank.

The maintenance of a cut-off time for a currency has particular reference to outgoing funds transfers involving it.

Example: The value date of a funds transfer transaction (incoming payment) involving USD, is 3rd June 2018. The number of cut-off days specified for the currency is 2. This means that the payment must be received on or before 1st June 2018. If the payment is received on 1st June, it must be received before the cut-off time specified for USD.

If the USD cut-off time is 1200 hrs, if the payment is received on 1st June 2018, it must be received before 1200 hrs.

4. Click **Save**. You can view the defined currency in the [Currency Definition Summary](#).

## 2.7 Currency Exchange Rate

You can maintain exchange rates for a currency pair, the rates at which you buy and sell one currency for another. A bank determines its buy and sell rate for a currency pair by applying a spread (that is, its profit margin) to the mid-rate of the currency pair. Mid-rate is the basic rate at which a currency pair is exchanged.

The spread applied for a currency pair varies with the transaction type, while the mid-rate usually remains constant. Consequently, different rates are applicable to different transaction types. For instance, dollars in currency are purchased at a certain rate, while USD traveler's checks are bought at a different rate. You can define a rate type which you would like to associate with a transaction type example: CASH, TRAVCHKS, and so on.

You can define the mid-rate, buy and sell spread applicable to each rate type; the buy and sell exchange rates are computed by the system. Buy rates and sell rates can either be maintained by individual branches or can be input by the HO and propagated to all the branches.

If the branch for which the rate is being uploaded or maintained is the head office branch, then the rate would be copied to all those branches that have the same country code as the head office branch.

If the branch for which the rate is being uploaded or maintained is not the head office branch, but it has the same country code as the head office branch, then the rate being uploaded or maintained would be specific to the branch and would not be copied to any other branch.

If the branch for which the rate is being uploaded or maintained is not the head office branch and also does not have the same country code as the head office branch, then the rate being maintained would be copied to all the branches that has the same country code linked as the branch for which the rate is being maintained or uploaded.

This section contains following subsections:

- [2.7.1 Currency Exchange Rate Summary](#)
- [2.7.2 Currency Exchange Rate Maintenance](#)



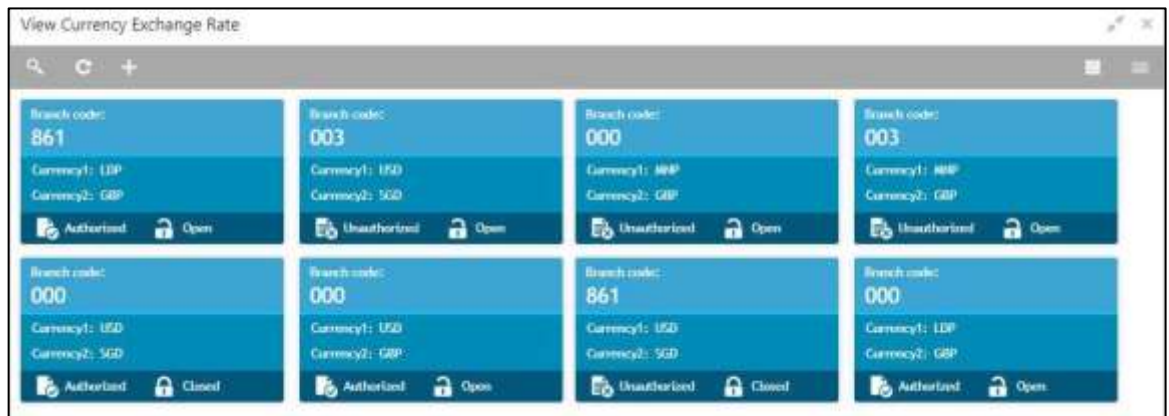
## 2.7.1 Currency Exchange Rate Summary

The summary screen provides a list of configured currency exchange rates. You can configure a currency exchange rate using the [Currency Exchange Rate Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Exchange Rate**.
2. Under **Currency Exchange Rate**, click **View Currency Exchange Rate**.

→ The **View Currency Exchange Rate** screen is displayed.

**Figure 12: View Currency Exchange Rate**



For more information on menus, refer to [Table 12: View Currency Exchange Rate – Field Description](#).

**Table 12: View Currency Exchange Rate – Field Description**

Field	Description
<b>Branch Code</b>	Displays the code of the branch.
<b>Currency 1-2</b>	Displays the currency associated with the branch code
<b>Status</b>	Displays the status of the record.

## 2.7.2 Currency Exchange Rate Maintenance

The maintenance screen allows you to configure a currency exchange rate. To process this screen, perform the following steps:



1. From **Home** screen, click **Core Maintenance**. Under Core Maintenance, click **Currency Exchange Rate**.
2. Under **Currency Exchange Rate**, click **Create Currency Exchange Rate**.

→ The **Create Currency Exchange Rate** screen is displayed.

**Figure 13: Create Currency Exchange Rate**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 13: Create Currency Exchange Rate – Field Description](#).

**Table 13: Create Currency Exchange Rate – Field Description**

Field	Description
<b>Branch Code</b>	Search and select the required branch code.
<b>Currency 1</b>	Search and select the required currency.
<b>Currency 2</b>	Search and select the required currency.
<b>Currency Rule</b>	Specify the currency rule details.
	Click + icon to add the required details.
	Click - icon to remove the required details.
<b>Rate Type</b>	Select a rate type from the drop-down list.

Field	Description
Buy Rate	Specify the buy rate details.
Buy Spread	Specify the buy spread details.
Mid Rate	Specify the mid-rate details.
Sale Spread	Specify the sale spread details.
Sale Rate	Specify the sale rate details.
Rate Date	Select a rate date from the drop-down calendar.

- Click **Save**. You can view the configured currency exchange rate details in the [Currency Exchange Rate Summary](#).

## 2.8 Currency Holiday Master

You can configure a yearly list of holidays, for the currencies, defined in the currency screen. The system uses the information maintained to check if any settlement involving a foreign currency (in the foreign Exchange, Money market, and Funds Transfer, Loans and Deposit modules) falls on that currency's holiday. If yes, the system displays a message stating and ask the user for an override.

For any schedule or contract maturing at a future date, five years hence, you can input the future date, only if the calendar for that year is maintained. The currency holiday is maintained at the bank level by the Head Office.

This section contains following subsections:

- [2.8.1 Currency Holiday Master Summary](#)
- [2.8.2 Currency Holiday Master Maintenance](#)

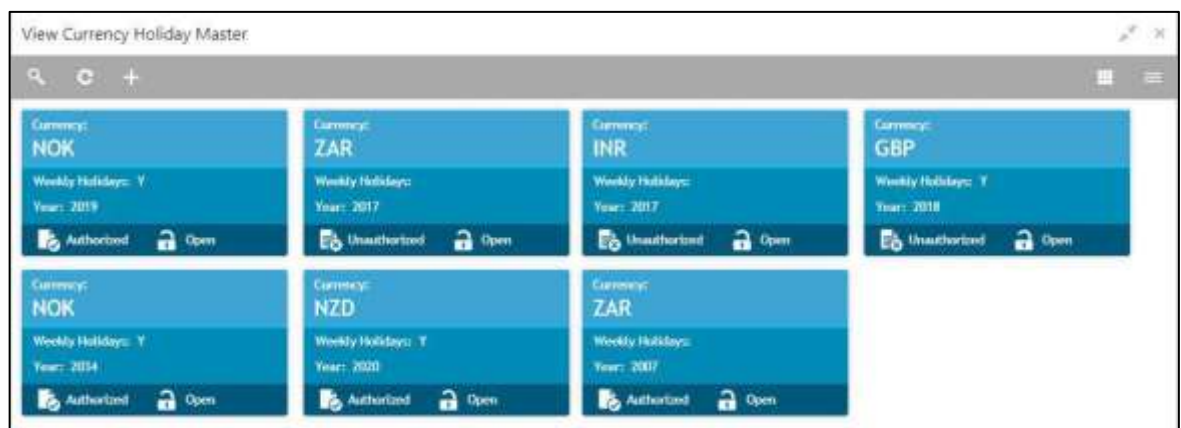
### 2.8.1 Currency Holiday Master Summary

The summary screen provides a list of configured currency holiday. You can configure a currency holiday using the [Currency Holiday Master Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Holiday Master**.
2. Under **Currency Holiday Master**, click **View Currency Holiday Master**.

→ The **View Currency Holiday Master** screen is displayed.

**Figure 14: View Currency Holiday Master**



For more information on menus, refer to [Table 14: View Currency Holiday Master – Field Description](#).

**Table 14: View Currency Holiday Master – Field Description**

<b>Field</b>	<b>Description</b>
<b>Currency</b>	Displays the currency details.
<b>Weekly Holidays</b>	Displays the weekly holidays associated with the currency.
<b>Status</b>	Displays the status of the record.

## 2.8.2 Currency Holiday Master Maintenance

The maintenance screen allows you to configure a currency holiday. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Holiday Master**.
2. Under **Currency Holiday Master**, click **Create Currency Holiday Master**.

→ The **Create Currency Holiday Master** screen is displayed.

**Figure 15: Create Currency Holiday Master**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 15: Create Currency Holiday Master – Field Description](#).

**Table 15: Create Currency Holiday Master – Field Description**

Field	Description
<b>Currency</b>	Search and select the required currency.
<b>Year</b>	Specify the year details.
<b>Weekly Holidays</b>	By default, this is disabled. If selected, indicates the weekly holidays.

4. Select the dates using the calendar. The selected dates appear in blue highlighted circle.
5. Click **Save**. You can view the configured currency holidays in the Currency Holiday Master Summary.

## 2.9 Currency Pair Definition

In the foreign exchange markets, the exchange rates for some currency pairs such as the USD-GBP or USD-JPY are easily obtainable, since these are frequently traded. The exchange rates of other currencies such as the ZAR-INR (South African Rand - Indian Rupee), which is not traded very often, is determined through a third currency. The third currency is usually the US dollar, since the US dollar is quoted in all trading centers.

You can define the static attributes of currency pairs for which a regular market quote is readily available. For other pairs, which do not have a regular market quote, you need to specify the third currency through which the system should compute the exchange rate. The currency pair is maintained at the bank level by the Head Office branch.

This section contains following subsections:

- [2.9.1 Currency Pair Definition Summary](#)
- [2.9.2 Currency Pair Definition Maintenance](#)

### 2.9.1 Currency Pair Definition Summary

The summary screen provides a list of define a currency pair. You can define a currency pair using the [Currency Pair Definition Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Pair Definition**.
2. Under **Currency Pair Definition**, click **View Currency Pair Definition**.

→ The **View Currency Pair Definition** screen is displayed.

**Figure 16: View Currency Pair Definition**



For more information on menus, refer to [Table 16: View Currency Pair Definition – Field Description](#).

**Table 16: View Currency Pair Definition – Field Description**

<b>Field</b>	<b>Description</b>
<b>Maintenance Country</b>	Displays the maintenance country details.
<b>Number of Units</b>	Displays the number of units.
<b>Currency 1-2</b>	Displays the currency associated with the country.
<b>Status</b>	Displays the status of the record.



## 2.9.2 Currency Pair Definition Maintenance

The maintenance screen allows you to define currency pair. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Pair Definition**.
2. Under **Currency Pair Definition**, click **Create Currency Pair Definition**.

→ The **Create Currency Pair Definition** screen is displayed.

**Figure 17: Create Currency Pair Definition**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 17: Create Currency Pair Definition – Field Description](#).

**Table 17: Create Currency Pair Definition – Field Description**

Field	Description
<b>Currency 1-2</b>	<p>Search and select the required currency. A currency pair (specified as currency 1 and currency 2, in the currency pair) represents the two currencies for which you need to maintain exchange rates.</p> <p>To specify the pair, choose from the list provided against Currency 1. Select the pair for which you want to maintain parameters. The pair must be selected according to the quotation method followed by the market, which can be direct or indirect. Exchange rates can be defined for currency 1 against currency 2 or currency 2 against currency 1.</p>
<b>Maintenance Country</b>	Search and select the required maintenance country.

Field	Description
<b>Check through Currency</b>	By default, this is disabled. If selected, indicates a check through currency.
<b>Through Currency</b>	Search and select the required through currency for which the exchange rate between the currencies must be calculated.
<b>Number of Units</b>	Select one of the number of units.
<b>Points Multiplier</b>	Select the points multiplier.
<b>Quotation</b>	<p>Select one of the required quotation:</p> <ul style="list-style-type: none"> <li>Direct method the exchange rate for the currency pair is quoted as follows: Buy rate = mid rate - buy spread  Sell rate = mid rate + sell spread  Ccy 1 = Rate x Ccy 2</li> <li>Indirect method the exchange rate for the currency pair is quoted as follows: Buy rate = mid rate + buy spread  Sell rate = mid rate - sell spread  Ccy 2 = Rate x Ccy 1</li> </ul>
<b>Spread Definition</b>	<p>Select one spread definition. The effective spread can be calculated using any of the following two methods:</p> <ul style="list-style-type: none"> <li>Percentage: Spread/100 x mid rate</li> <li>Points: Spread x points multiplier</li> </ul> <p>The method of spread definition that you specify applies to two instances:</p> <ul style="list-style-type: none"> <li>While maintaining exchange rates for the currency pair</li> <li>While maintaining customer spread for the currency pair</li> </ul>

4. Click **Save**. You can view the defined currency pair details in the [Currency Pair Definition Summary](#).

## 2.10 Currency Rate Type

You can configure a currency rate type.

This section contains following subsections:

- [2.10.1 Currency Rate Type Summary](#)
- [2.10.2 Currency Rate Type Maintenance](#)

### 2.10.1 Currency Rate Type Summary

The summary screen provides a list of configured currency rate type. You can configure a currency rate type using the [Currency Rate Type Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Rate Type**.
2. Under **Currency Rate Type**, click **View Currency Rate Type**.

→ The **View Currency Rate Type** screen is displayed.

**Figure 18: View Currency Rate Type**



For more information on menus, refer to [Table 18: View Currency Rate Type – Field Description](#).

**Table 18: View Currency Rate Type – Field Description**

Field	Description
<b>Currency Rate Type</b>	Displays the currency rate type.
<b>Description</b>	Displays additional information about the currency rate type.
<b>Status</b>	Displays the status of the record.

## 2.10.2 Currency Rate Type Maintenance

The maintenance screen allows you to configure currency rate type. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Currency Rate Type**.
2. Under **Currency Rate Type**, click **Create Currency Rate Type**.

→ The **Create Currency Rate Type** screen is displayed.

**Figure 19: Create Currency Rate Type**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 19: Create Currency Rate Type – Field Description](#).

**Table 19: Create Currency Rate Type – Field Description**

Field	Description
<b>Currency Rate Type</b>	Specify the currency rate type.
<b>Currency Rate Type Description</b>	Specify additional information about the currency rate type.

4. Click **Save**. You can view the configured currency rate type details in the [Currency Rate Type Summary](#).

## 2.11 Customer Category

You can configure a customer category.

This section contains following subsections:

- [2.11.1 Customer Category Summary](#)
- [2.11.2 Customer Category Maintenance](#)

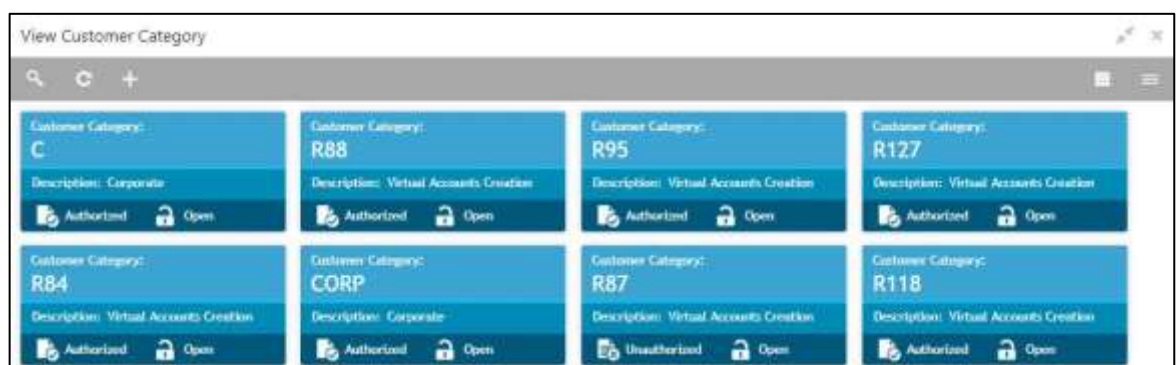
### 2.11.1 Customer Category Summary

The summary screen provides a list of configured customer category. You can configure a customer category using the [Customer Category Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Customer Category**.
2. Under **Customer Category**, click **View Customer Category**.

→ The **View Customer Category** screen is displayed.

**Figure 20: View Customer Category**



For more information on menus, refer to [Table 20: View Customer Category – Field Description](#).

**Table 20: View Customer Category – Field Description**

Field	Description
<b>Customer Category</b>	Displays the customer category.
<b>Description</b>	Displays additional information about the customer category.
<b>Status</b>	Displays the status of the record.

## 2.11.2 Customer Category Maintenance

The maintenance screen allows you to configure a customer category. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Customer Category**.
2. Under **Customer Category**, click **Create Customer Category**.

→ The **Create Customer Category** screen is displayed.

**Figure 21: Create Customer Category**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 21: Create Customer Category – Field Description](#).

**Table 21: Create Customer Category – Field Description**

Field	Description
<b>Customer Category</b>	Specify the customer category.
<b>Customer Category Description</b>	Specify the additional information about the customer category.
<b>Populate Changes</b>	By default, this is disabled. If selected, displays the changes.

4. Click **Save**. You can view the configured customer category details in the [Customer Category Summary](#).

## 2.12 ECA System

You can configure the External Credit Approval (ECA) system.

This section contains following subsections:

- [2.12.1 ECA System Summary](#)
- [2.12.2 ECA System Maintenance](#)

### 2.12.1 ECA System Summary

The summary screen provides a list of configured ECA system. You can configure the ECA system details using the ECA System Maintenance. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **ECA System**.
2. Under **ECA System**, click **View ECA System**.

→ The **View ECA System** screen is displayed.

**Figure 22: View ECA System**



For more information on menus, refer to [Table 22: View ECA System – Field Description](#).

**Table 22: View ECA System – Field Description**

Field	Description
Description	Displays any additional information of the ECA system.
ECA System	Displays the name of the ECA system.
Status	Displays the status of the record.

## 2.12.2 ECA System Maintenance

The maintenance screen allows you to configure ECA system details. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **ECA System**.
2. Under **ECA System**, click **Create ECA System**.

→ The **Create ECA System** screen is displayed.

**Figure 23: Create ECA System**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 23: Create ECA System – Field Description](#).

**Table 23: Create ECA System – Field Description**

Field	Description
<b>Source System</b>	Specify the source system.
<b>Description</b>	Specify the additional information about the ECA system.

4. Click **Save**. You can view the configure ECA system details in the [ECA System Summary](#).



## 2.13 External Bank Parameters

You can configure bank level parameters.

This section contains following subsections:

- [2.13.1 External Bank Parameters Summary](#)
- [2.13.2 External Bank Parameters Maintenance](#)

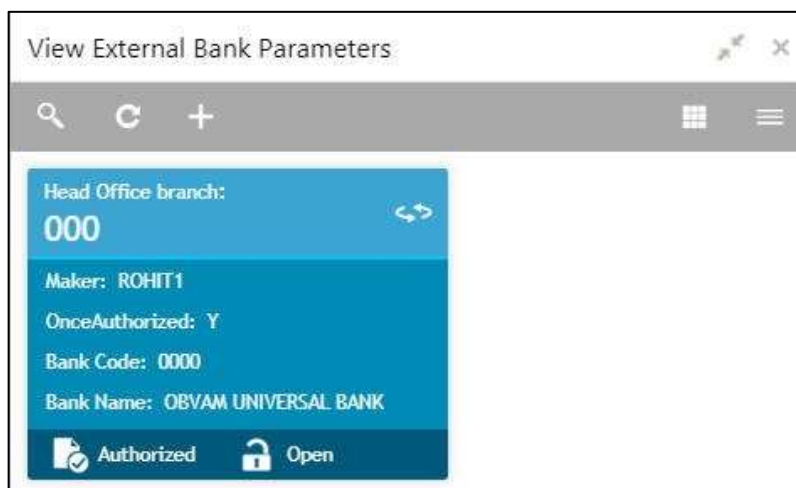
### 2.13.1 External Bank Parameters Summary

The summary screen provides a list of configured external bank parameters. You can configure the external bank parameters using the [External Bank Parameters Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Bank Parameters**.
2. Under **External Bank Parameters**, click **View External Bank Parameters**.

→ The **View External Bank Parameters** screen is displayed.

**Figure 24: View External Bank Parameters**



For more information on menus, refer to [Table 24: View External Bank Parameters – Field Description](#).

**Table 24: View External Bank Parameters – Field Description**

Field	Description
Head Office Branch	Displays the head office branch details.
Maker	Displays the name of the user who has configured the bank details.
Once Authorized	Indicates if the record is authorized once or not.
Bank Code	Displays the code of the bank.
Bank Name	Displays the name of the bank.
Status	Displays the status of the record.

### 2.13.2 External Bank Parameters Maintenance

The maintenance screen allows you to configure external bank parameters. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Bank Parameters**.
2. Under **External Bank Parameters**, click **Create External Bank Parameters**.

→ The **Create External Bank Parameters** screen is displayed.

**Figure 25: Create External Bank Parameters**

The screenshot shows a web-based form titled "Create External Bank Parameters". At the top left of the form area is a "New" button. The form contains the following fields:

- Bank Code \***: A text input field with an asterisk indicating it is mandatory.
- Bank Name**: A text input field.
- Head Office Branch**: A text input field with a magnifying glass icon, suggesting a search or dropdown functionality.
- Branch Description**: A text area showing the value "Not Selected".
- No of Days to Forget Customer**: A text input field.

At the bottom right of the form, there are two buttons: "Save" and "Cancel".

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 25: Create External Bank Parameters – Field Description](#).

**Table 25: Create External Bank Parameters – Field Description**

<b>Field</b>	<b>Description</b>
<b>Bank Code</b>	Specify the code for the bank.
<b>Bank Name</b>	Specify the name of the bank.
<b>Head Office Branch</b>	Search and select the required head office branch.
<b>Branch Description</b>	Based on the Head Office Branch selected, the information is auto-populated.
<b>Number of Days to Forget Customer</b>	Specify the number of days to inactive/forget the customer.

4. Click **Save**. You can view the configure core bank parameter details in the [External Bank Parameters Summary](#).

## 2.14 External Branch Parameters

You can configure branch level parameters.

This section contains following subsections:

- [2.14.1 External Branch Parameters Summary](#)
- [2.14.2 External Branch Parameters Maintenance](#)

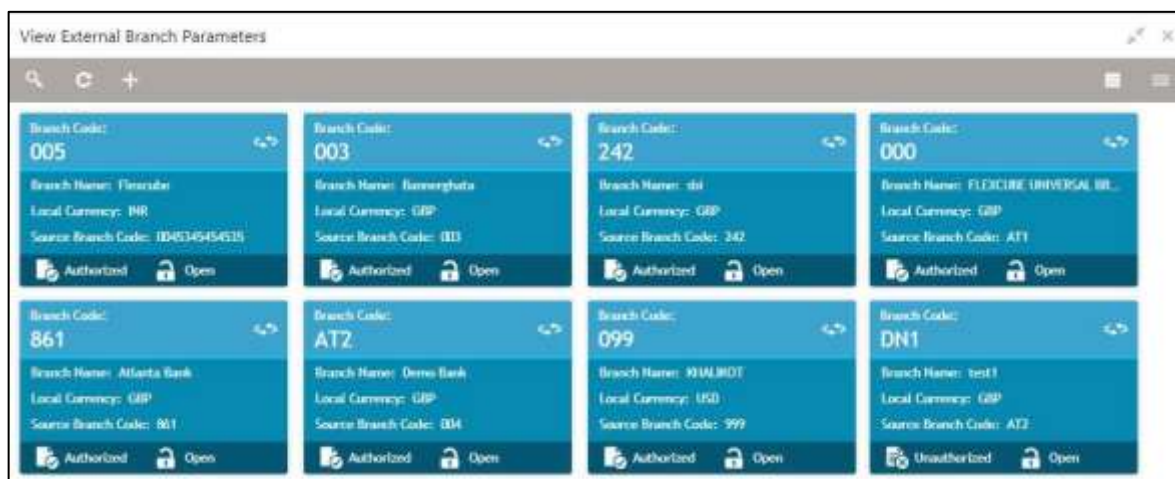
### 2.14.1 External Branch Parameters Summary

The summary screen provides a list of configured external branch parameters. You can configure the external branch parameters using the [External Branch Parameters Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Branch Parameters**.
2. Under **External Branch Parameters**, click **View External Branch Parameters**.

→ The **View External Branch Parameters** screen is displayed.

**Figure 26: View External Branch Parameters**



For more information on menus, refer to [Table 26: View External Branch Parameters – Field Description](#).

**Table 26: View External Branch Parameters – Field Description**

<b>Field</b>	<b>Description</b>
<b>Branch Code</b>	Displays the code of the branch associated with the bank.
<b>Branch Name</b>	Displays the name of the branch associated with the bank.
<b>Local Currency</b>	Displays the local currency details.
<b>Source Branch Code</b>	Displays the code of the source branch.
<b>Status</b>	Displays the status of the record.

## 2.14.2 External Branch Parameters Maintenance

The maintenance screen allows you to configure the branch parameters. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Branch Parameters**.
2. Under **External Branch Parameters**, click **Create External Branch Parameters**.



→ The **Create External Branch Parameters** screen is displayed.

**Figure 27: Create External Branch Parameters**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 27: Create External Branch Parameters – Field Description](#).

**Table 27: Create External Branch Parameters – Field Description**

Field	Description
<b>Branch Details</b>	Specify the branch details.
<b>Branch Code</b>	Specify a branch code.
<b>Branch Name</b>	Specify a name for the branch.
<b>Local Currency</b>	Search and select the required local currency.
<b>Source System</b>	Search and select the required source system.
<b>Source Branch Code</b>	Specify a source branch code.
<b>Branch Address</b>	Specify the branch address details.

Field	Description
<b>Address Line 1-3</b>	Specify the address details.
<b>Other Details</b>	Specify the other details.
<b>Host Code</b>	Search and select the required host code.
<b>Country Code</b>	Based on the Host Code selected, the information is auto-populated.
<b>Host Name</b>	Specify the name for the host.
<b>Walk-in Customer</b>	Search and select the required walk-in customer.
<b>Weekly Holiday 1-2</b>	<p>Select a weekly holiday from the dropdown list.</p> <p><b>Note</b> There are two days of weekly holiday depending on the geographical zone.</p> <ul style="list-style-type: none"> <li>• Auto Authorization: By default, it is disabled. If selected, the record is automatically authorized.</li> <li>• Report DSN: Specify the details of the report DSN.</li> </ul>
<b>Swift Address</b>	Specify the swift address details.
	Click + icon to add the required details.
	Click - icon to remove the required details.
<b>SWIFT Address</b>	Search and select the required SWIFT address.
<b>Default BIC</b>	If selected, indicates the selected SWIFT address as the default BIC.

4. Click **Save**. You can view the configure branch parameter details in the [External Branch Parameters Summary](#).

## 2.15 External Chart Account

You can configure an external chart.

This section contains following subsections:

- [2.15.1 External Chart Account Summary](#)
- [2.15.2 External Chart Account Maintenance](#)

### 2.15.1 External Chart Account Summary

The summary screen provides a list of configured external chart accounts. You can configure an external chart account using the [External Chart Account Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Chart Account**.
2. Under **External Chart Account**, click **View External Chart Account**.

→ The **View External Chart Account** screen is displayed.

**Figure 28: View External Chart Account**

The screenshot shows the 'View External Chart Account' window with a grid of eight account entries. Each entry displays the General Ledger Code, Source System, Source System GL Code, and a status icon (Authorized or Unauthorized) with an 'Open' button.

General Ledger Code	Source System	Source System GL Code	Status
200000111	FCURS	200000111	Authorized
200000112	OBVAM	200000112	Unauthorized
200000115	OBVAM	200000112	Unauthorized
2000001127	OBVAM	2000001127	Authorized
2000001122	OBVAM	2000001122	Authorized
2000001138	OBVAM	2000001138	Authorized
200000190	OBVAM	200000190	Authorized
200000197	OBVAM	200000197	Authorized

For more information on menus, refer to [Table 28: View External Chart Account – Field Description](#).

**Table 28: View External Chart Account – Field Description**

Field	Description
<b>General Ledger Code</b>	Displays the code of the general ledger.
<b>Source System</b>	Displays the source system.
<b>Source System GL Code</b>	Displays the GL code of the source system.
<b>Status</b>	Displays the status of the record.



## 2.15.2 External Chart Account Maintenance

The maintenance screen allows you to configure external chart accounts. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Chart Account**.
2. Under **External Chart Account**, click **Create External Chart Account**.

→ The **Create External Chart Account** screen is displayed.

**Figure 29: Create External Chart Account**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 29: Create External Chart Account – Field Description](#).

**Table 29: Create External Chart Account – Field Description**

Field	Description
<b>General Ledger Code</b>	Specify the general ledger code.
<b>General Ledger Description</b>	Specify the additional information about the general ledger.
<b>Source System</b>	Search and select the required source system.
<b>Source System GL Code</b>	Specify the source system GL code.
<b>Category</b>	Select the category from the drop-down list.
<b>Blocked</b>	By default, this is disabled. If selected, indicates the external chart account is blocked.

4. Click **Save**. You can view the configured external chart details in the [External Chart Account Summary](#).

## 2.16 External Customer

You can configure the external customer details.

This section contains following subsections:

- [2.16.1 External Customer Summary](#)
- [2.16.2 External Customer Maintenance](#)

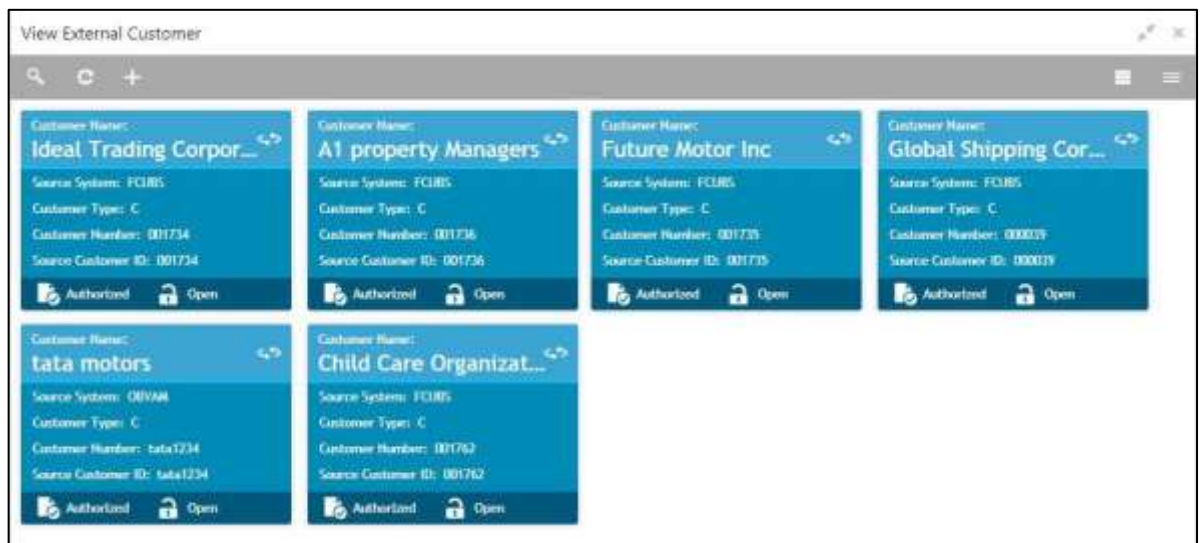
### 2.16.1 External Customer Summary

The summary screen provides a list of configured external customer details. You can configure the external customers using the [External Customer Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer**.
2. Under **External Customer**, click **View External Customer**.

→ The **View External Customer** screen is displayed.

**Figure 30: View External Customer**



For more information on menus, refer to [Table 30: View External Customer – Field Description](#).

**Table 30: View External Customer – Field Description**

<b>Field</b>	<b>Description</b>
<b>Customer Name</b>	Displays the name of the customer.
<b>Source System</b>	Displays the source system details.
<b>Customer Type</b>	Displays the type of the customer.
<b>Customer Number</b>	Displays the customer number associated with the customer name.
<b>Source Customer ID</b>	Displays the source of the customer ID associated with the customer name.
<b>Status</b>	Displays the status of the record.

## 2.16.2 External Customer Maintenance

The maintenance screen allows you to configure the external customer details. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer**.
2. Under **External Customer**, click **Create External Customer**.

→ The **Create External Customer** screen is displayed.

**Figure 31: Create External Customer**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 31: Create External Customer – Field Description](#).

**Table 31: Create External Customer – Field Description**

Field	Description
<b>Customer Details</b>	Specify the customer details.
<b>Customer Number</b>	Specify the number for the customer.
<b>Customer Name</b>	Specify the name for the customer.
<b>Short Name</b>	Specify the short name for the customer.
<b>Customer Type</b>	Select one of the options: <ul style="list-style-type: none"> <li>• Individual: If selected, the customer is an individual customer.</li> <li>• Corporate: If selected, the customer is a corporate customer.</li> <li>• Bank: If selected, the customer is a bank employee.</li> </ul>

Field	Description
Source Customer ID	Specify the source customer ID.
Source System	Search and select the required source system.
Customer Category	Search and select the required customer category.
Relationship Manager ID	Specify the relationship manager ID.
Address	Specify the address details.
Address Line 1-4	Specify the customer address details.
Country	Search and select the required country.
Other Details	Specify the other details.
Postal Code	Specify the postal code details.
Deceased	By default, this is disabled. If selected, indicates the customer is deceased.
Frozen	By default, this is disabled. If selected, indicates the customer account is frozen.
Whereabouts Unknown	By default, this is disabled. If selected, indicates the customer's whereabouts are unknown.
Sanction Check Required	By default, this is disabled. If selected, indicates the sanction check is required.
Walk-in Customer	By default, this is disabled. If selected, indicates a walk-in customer.
Staff	By default, this is disabled. If selected, indicates a staff customer.
Language	Search and select the required language.
Nationality	Search and select the required nationality.

- Click **Save**. You can view the configured external customer details in the [External Customer Summary](#). In addition, the external customers can be directly replicated from the host system using service API.

## 2.17 External Customer Account

You can configure the external customer account details.

This section contains following subsections:

- [2.17.1 External Customer Account Summary](#)
- [2.17.2 External Customer Account Maintenance](#)

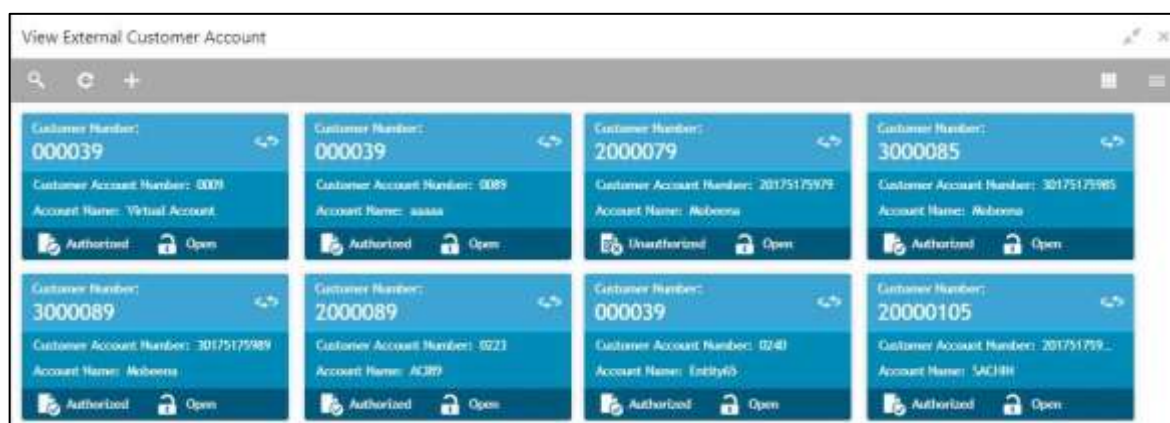
### 2.17.1 External Customer Account Summary

The summary screen provides a list of configured external customer accounts. You can configure the external customer accounts using the [External Customer Account Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer Account**.
2. Under **External Customer Account**, click **View External Customer Account**.

→ The **View External Customer Account** screen is displayed.

**Figure 32: View External Customer Account**



For more information on menus, refer to [Table 32: View External Customer Account – Field Description](#).

**Table 32: View External Customer Account – Field Description**

Field	Description
<b>Customer Number</b>	Displays the customer number associated with the account name.
<b>Customer Account Number</b>	Displays the customer account number associated with the account name.
<b>Account Name</b>	Displays the name of the account.
<b>Status</b>	Displays the status of the record.

## 2.17.2 External Customer Account Maintenance

The maintenance screen allows you to configure external customer account details. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer Account**.
2. Under **External Customer Account**, click **Create External Customer Account**.

→ The **Create External Customer Account** screen is displayed.

**Figure 33: Create External Customer Account**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 33: Create External Customer Account – Field Description](#).

**Table 33: Create External Customer Account – Field Description**

Field	Description
<b>Account Details</b>	Specify the account details.
<b>Customer Account Number</b>	Specify the customer account number.
<b>Account Name</b>	Specify the name for an account.
<b>Customer Number</b>	Search and select the required customer number.
<b>Customer Name</b>	Based on the Customer Number selected, the information is auto-populated.
<b>Account Currency</b>	Search and select the required account currency.
<b>Account Class</b>	Select the account class from the drop-down list.

Field	Description
<b>Source Account Branch</b>	Search and select the required source account branch.
<b>Source Customer Account</b>	Based on the Source Account Branch selected, the information is auto- populated.
<b>Account IBAN</b>	Specify the account IBAN details.
<b>Address</b>	Specify the address details.
<b>Address Line 1-4</b>	Specify the address details.
<b>Country</b>	Search and select the required country.
<b>Other Details</b>	Specify the other details.
<b>No Credit</b>	By default, this is disabled. If selected, indicates the account does not have any credit facility.
<b>No Debit</b>	By default, this is disabled. If selected, indicates the account does not have any debit facility.
<b>Blocked</b>	By default, this is disabled. If selected, indicates the account status is blocked.
<b>Frozen</b>	By default, this is disabled. If selected, indicates the account status is frozen.
<b>Dormant</b>	By default, this is disabled. If selected, indicates the account status is dormant.
<b>External Credit Approval Required</b>	By default, this is disabled. If selected, indicates ECA check is required for the external customer account.
<b>External Credit Approval System</b>	Search and select the required external credit approval system.
<b>Host Code</b>	Specify the host code details.
<b>Account Open Date</b>	Select an effective date for the account from the dropdown calendar.

- Click **Save**. You can view the configured external customer account details in the [External Customer Account Summary](#). In addition, the external customer accounts can be directly replicated from the host system using service API.



## 2.18 External Customer Account Structured Address

You can configure the external customer account structured address details.

This section contains following subsections:

- [2.18.1 View External Customer Account Structured Address](#)
- [2.18.2 Create External Customer Account Structured Address](#)

### 2.18.1 View External Customer Account Structured Address

The summary screen provides a list of configured external customer account structured addresses.

You can configure the external customer account structured address using the [Create External Customer Account Structured Address](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer Account Structured Address**.
2. Under **External Customer Account Structured Address**, click **View External Customer Account Structured Address**.

→ The **View External Customer Account Structured Address** screen is displayed.

**Figure 34: View External Customer Account Structured Address**



For more information on menus, refer to [Table 34: View External Customer Account Structured Address – Field Description](#).

**Table 34: View External Customer Account Structured Address – Field Description**

Field	Description
<b>Customer Number</b>	Displays the customer number.
<b>Town Name</b>	Displays the town name of the customer.
<b>Country</b>	Displays the country of the customer.

## 2.18.2 Create External Customer Account Structured Address

The maintenance screen allows you to configure external customer account structured address. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Customer Account Structured Address**.
2. Under **External Customer Account Structured Address**, click **Create External Customer Account Structured Address**.

→ The **Create External Customer Account Structured Address** screen is displayed.

**Figure 35: Create External Customer Account Structured Address**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 35: Create External Customer Account Structured Address – Field Description](#).

**Table 35: Create External Customer Account Structured Address – Field Description**

Field	Description
<b>Account Details</b>	Specify the account details.
<b>Customer Account</b>	Search and select the required customer account.
<b>Account Name</b>	Specify the name for an account.
<b>Structured Address</b>	Specify the structured address details.
<b>Department</b>	Specify the department.
<b>Sub Department</b>	Search and select the required country.
<b>Street Name</b>	Specify the street name.

Field	Description
<b>Building Number</b>	Specify the building number.
<b>Building Name</b>	Specify the building name.
<b>Floor</b>	Specify the floor.
<b>Post Box</b>	Specify the post box details.
<b>Room</b>	Specify the room number.
<b>Post Code</b>	Specify the post code. This field is mandatory.
<b>Town Name</b>	Specify the town name. This field is mandatory.
<b>Town Location Name</b>	Specify the town location name.
<b>District Name</b>	Specify the district name.
<b>Country Sub Division</b>	Specify the country sub division.
<b>Country</b>	Specify the country name. This field is mandatory.

- Click **Save**. You can view the configured external customer structured address details in [View External Customer Account Structured Address](#).

## 2.19 External Virtual Account Structured Address

You can view the external virtual account structured address details.

This section contains following subsections:

- [2.19.1 View External Virtual Account Structured Address](#)

### 2.19.1 View External Virtual Account Structured Address

The summary screen provides a list of configured virtual account structured addresses. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **External Virtual Account Structured Address**.
2. Under **External Virtual Account Structured Address**, click **View External Virtual Account Structured Address**.

→ The **View External Virtual Account Structured Address** screen is displayed.

**Figure 36: View External Virtual Account Structured Address**



For more information on menus, refer to [Table 36: View External Virtual Account Structured Address – Field Description](#).

**Table 36: View External Virtual Account Structured Address – Field Description**

Field	Description
<b>Customer Number</b>	Displays the customer number.
<b>Town Name</b>	Displays the town name.
<b>Country</b>	Displays the country name.

Click on the specific tile to view the structured address details.

## 2.20 Forget Process

The Personally identifiable information (PII) is any data that could potentially identify a specific individual. PII data access can be controlled based on the user role and you can configure details of a customer who wants to be forgotten if the customer withdraws/does not avail the virtual account facility.

This section contains following subsections:

- [2.20.1 Forgotten Customers Summary](#)
- [2.20.2 Forget Customer Maintenance](#)

### 2.20.1 Forgotten Customers Summary

The summary screen provides a list of configured customer to be forgotten. You can configure a customer detail who wants to be forgotten using the [Forget Customer Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Forget Process**.
2. Under **Forget Process**, click **View Forgotten Customer**.

→ The **View Forgotten Customer** screen is displayed.

**Figure 37: View Forgotten Customers**



For more information on menus, refer to [Table 37: View Forgotten Customers – Field Description](#).

**Table 37: View Forgotten Customers – Field Description**

Field	Description
<b>Process Type</b>	Indicates if the process is initiated by the customer/bank
<b>Process ID</b>	Displays the forgotten customer's process ID.
<b>Maker</b>	Displays the name of the user who has configured the forgotten customer details.
<b>Status</b>	Displays the status of the record.

## 2.20.2 Forget Customer Maintenance

The maintenance screen allows you to configure a customer to be forgotten. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Forget Process**.
2. Under **Forget Process**, click **Forget Customer**.

→ The **Forget Customer** screen is displayed.

**Figure 38: Forget Customer**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 38: Forget Customer – Field Description](#).

**Table 38: Forget Customer – Field Description**

Field	Description
<b>Forget Customer Process ID</b>	Specify a forget customer process ID.
<b>Forget Customer Process Type</b>	Select one of the options <ul style="list-style-type: none"> <li>• Customer Initiated: If selected, indicates the customer has initiated the process.</li> <li>• Bank Initiated: If selected, indicates the bank has initiated the process.</li> </ul>

4. Click + to add a row and provide the customer/bank details.
5. Click **Save**. You can view the configured forgotten customers in the [Forgotten Customers Summary](#).

## 2.21 Host Code

You can group branches in the same zone or region under a host for specific processing. You can have multiple hosts depending on processing requirements.

This section contains following subsections:

- [2.21.1 Host Code Summary](#)
- [2.21.2 Host Code Maintenance](#)

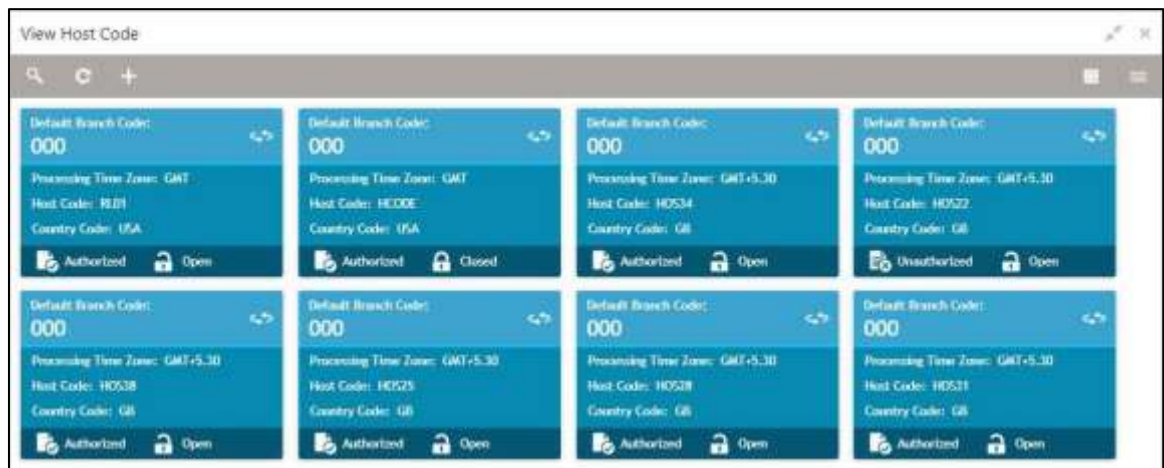
### 2.21.1 Host Code Summary

The summary screen provides a list of configured host codes. You can configure the host code using the [Host Code Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Host Code**.
2. Under **Host Code**, click **View Host Code**.

→ The **View Host Code** screen is displayed.

**Figure 39: View Host Code**



For more information on menus, refer to [Table 39: View Host Code – Field Description](#).

**Table 39: View Host Code – Field Description**

Field	Description
<b>Default Branch Code</b>	Displays the default branch code associated with the host code.
<b>Processing Time Zone</b>	Displays the processing time zone.
<b>Host Code</b>	Displays the host code details.
<b>Country Code</b>	Displays the country code details.
<b>Status</b>	Displays the status of the records.

## 2.21.2 Host Code Maintenance

The maintenance screen allows you to configure host code. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Host Code**.
2. Under **Host Code**, click **Create Host Code**.

→ The **Create Host Code** screen is displayed.

**Figure 40: Create Host Code**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 40: Create Host Code – Field Description](#).

**Table 40: Create Host Code – Field Description**

Field	Description
<b>Host Code</b>	Specify the host code details.
<b>Description</b>	Specify the additional information about the host code.
<b>Country Code</b>	Search and select the required country code.
<b>Processing Time Zone</b>	Specify the processing time zone details.
<b>Default Branch Code</b>	Search and select the required default branch code.

4. Click **Save**. You can view the configured host code details in the [Host Code Summary](#).



## 2.22 Language Code

You can configure a language code.

This section contains following subsections:

- [2.22.1 Language Code Summary](#)
- [2.22.2 Language Code Maintenance](#)

### 2.22.1 Language Code Summary

The summary screen provides a list of configured language code. You can configure a language code using the [Language Code Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, **Core Maintenance**. Under **Core Maintenance**, click **Language Code**.
2. Under **Language Code**, click **View Language Code**.

→ The **View Language Code** screen is displayed.

**Figure 41: View Language Code**



For more information on menus, refer to [Table 41: View Language Code – Field Description](#).

**Table 41: View Language Code – Field Description**

Field	Description
<b>Language ISO Code</b>	Displays the default branch code associated with the host code.
<b>Language Code</b>	Displays the processing time zone.
<b>Language Name</b>	Displays the host code details.
<b>Status</b>	Displays the status of the records.

## 2.22.2 Language Code Maintenance

The maintenance screen allows you to configure a language code. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Language Code**.
2. Under **Language Code**, click **Create Language Code**.

→ The **Create Language Code** screen is displayed.

**Figure 42: Create Language Code**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 42: Create Language Code – Field Description](#).

**Table 42: Create Language Code – Field Description**

Field	Description
<b>Language Code</b>	Specify the code for the language.
<b>Language Name</b>	Specify the name for the language associated with the language code.
<b>Display Direction</b>	Specify the display direction.
<b>Language ISO Code</b>	Specify the language ISO code.

4. Click **Save**. You can view the configured language code details in the [Language Code Summary](#).

## 2.23 Local Holiday

You can configure a local holiday.

This section contains following subsections:

- [2.23.1 Local Holiday Summary](#)
- [2.23.2 Local Holidays Maintenance](#)

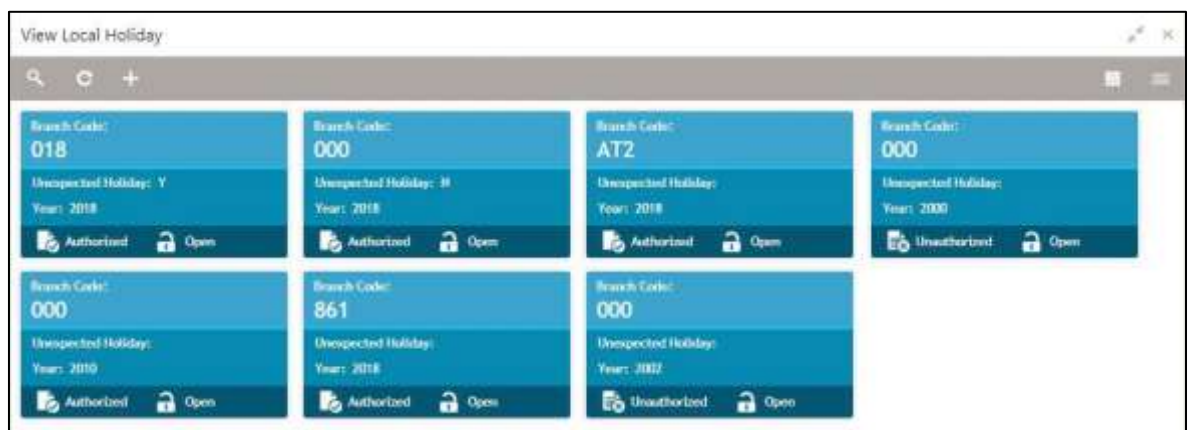
### 2.23.1 Local Holiday Summary

The summary screen provides a list of configured local holidays. You can configure a local holiday using the [Local Holidays Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Local Holiday**.
2. Under **Local Holiday**, click **View Local Holiday**.

→ The **View Local Holiday** screen is displayed.

**Figure 43: View Local Holiday**



For more information on menus, refer to [Table 43: View Local Holiday – Field Description](#).

**Table 43: View Local Holiday – Field Description**

Field	Description
<b>Branch Code</b>	Displays the code of the branch.
<b>Unexpected Holiday</b>	Indicates if the record is an unexpected holiday.
<b>Year</b>	Displays the year of the holiday.
<b>Status</b>	Displays the status of the record.

## 2.23.2 Local Holidays Maintenance

The maintenance screen allows you to configure local holidays. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Local Holiday**.
2. Under **Local Holiday**, click **Create Local Holiday**.

→ The **Create Local Holiday** screen is displayed.

**Figure 44: Create Local Holiday**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 44: Create Local Holiday – Field Description](#).

**Table 44: Create Local Holiday – Field Description**

Field	Description
<b>Branch Code</b>	Search and select the required branch code.
<b>Year</b>	Specify the year details.
<b>Weekly Holidays</b>	By default, this is disabled. If selected, you can define weekly holidays.
<b>Unexpected Holidays</b>	By default, this is disabled. If selected, you can define unexpected holidays.

4. Select the dates using the calendar. The selected dates appear in pink highlighted circle.
5. Click **Save**. You can view the configured local holiday details in the [Local Holiday Summary](#).

## 2.24 Media

You can configure media information.

This section contains following subsections:

- [2.24.1 Media Summary](#)
- [2.24.2 Media Maintenance](#)

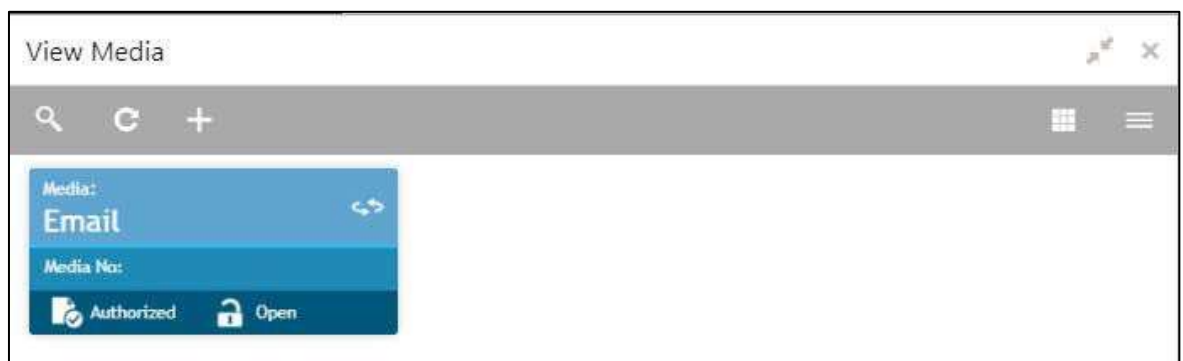
### 2.24.1 Media Summary

The summary screen provides a list of configured media. You can configure a media using the [Media Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Media**.
2. Under **Media**, click **View Media**.

→ The **View Media** screen is displayed.

**Figure 45: View Media**



For more information on menus, refer to [Table 45: View Media – Field Description](#).

**Table 45: View Media – Field Description**

Field	Description
<b>Media</b>	Displays the name of the media.
<b>Media Number</b>	Displays the number of the media.
<b>Status</b>	Displays the status of the record.

## 2.24.2 Media Maintenance

The maintenance screen allows you to configure media. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Media**.
2. Under **Media**, click **Create Media**.



→ The **Create Media** screen is displayed.

**Figure 46: Create Media**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 46: Create Media – Field Description](#).

**Table 46: Create Media – Field Description**

Field	Description
<b>Media Code</b>	Specify a unique media code to identify while associating with an advice.
<b>Media Description</b>	Specify additional information about the media.
<b>Media Number</b>	Specify a unique number for the media type.
<b>Message Terminator</b>	Specify the padded characters to mark the end of an incoming messages.
<b>Message Suffix</b>	Specify the padding characters to mark the end of an outgoing messages.
<b>Stop Process</b>	By default, this option is disabled. If selected, halts the processing of incoming and outgoing messages.

Field	Description
<b>Padding Required</b>	By default, this option is disabled. If selected, pads the characters in every outgoing messages.
<b>TW (Test Word) Required Status</b>	By default, this option is disabled. If selected, enables the option for word testing.
<b>Media Priority</b>	Select a media priority from the spin box. When a message is dispatched to the customers, the media type used for sending the messages will be the one that is on high priority.
<b>Number of Character</b>	Select a number the padding characters should be repeated for the advice from the spin box.
<b>Media Details</b>	Specify the media details.
	Click + icon to add the required details.
	Click - icon to remove the required details.
<b>Media Code</b>	Specify the unique media code to identify while associating with an advice.
<b>Compatible Media</b>	By default, this option is disabled. If selected, indicates the media is compatible.

- Click **Save**. You can view the configured media details in the [Media Summary](#).

## 2.25 Process Code

Process code enables the user to set the process code to the individual stages according to the process.

This section contains following subsections:

- [2.25.1 View Process Code](#)
- [2.25.2 Process Code Maintenance](#)

### 2.25.1 View Process Code

The summary screen provides a list of configured process codes. You can add a process code using the [Process Code Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Process Code**.
2. Under **Process Code**, click **View Process Code**.

→ The **View Process Code** screen is displayed.

**Figure 47: View Process Code**



For more information on menus, refer to [Table 47: View Process Code – Field Description](#).

**Table 47: View Process Code – Field Description**

Field	Description
<b>Process Code</b>	Displays the process code.
<b>Description</b>	Displays the description of process code.
<b>Status</b>	Displays the status of the record.



## 2.25.2 Process Code Maintenance

Process Code Maintenance screen allows you to define the stages for a particular process. The process code information that is defined in this screen will be used in further business processing to construct the stages. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Process Code**.  
→ The **Process Code** screen is displayed.

**Figure 48: Process Code**

2. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 48: Process Code – Field Description](#).

**Table 48: Process Code – Field Description**

Field	Description
<b>Process Code</b>	Specify the code. This field is mandatory process.
<b>Process Name</b>	Specify the process name. This field is mandatory.
<b>Process Version</b>	Specify the process version. This field is mandatory.
<b>Domain</b>	Specify the process domain. This field is mandatory.
<b>Stage ID</b>	Specify the unique stage ID.
<b>Stage Description</b>	Specify the stage description.
<b>Seq Order</b>	Displays the sequential order of the stage in the entire process.

Field	Description
<b>Source Stage</b>	Select it to indicate if the specific stage is the source stage of the process.
<b>Add Row</b>	Click <b>Add Row</b> to add a row and to capture the stage details that needs to be mapped to the process code.
<b>Delete Row</b>	Click <b>Delete Row</b> to delete a row with stage details.
<b>Phase Code</b>	Specify the phase code.
<b>Phase Description</b>	Specify the phase description.
<b>Seq Order</b>	Displays the sequential order of the phase.
<b>Stage ID</b>	Select the stage ID from the drop down list. Available options in the drop-down will be based on Stage ID mentioned at Process Code level.
<b>Add Row</b>	Click <b>Add Row</b> to add a row and to capture the phase details that needs to be mapped to the process code.
<b>Delete Row</b>	Click <b>Delete Row</b> to delete a row with phase details.

- Click **Save**. You can view the configured process codes in the [View Process Code](#).

## 2.26 System Dates

You can view the system date details.

This section contains following subsections:

- [2.26.1 System Dates Summary](#)

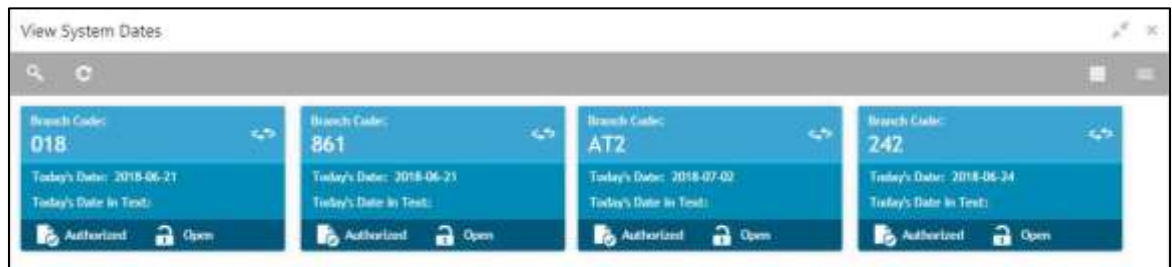
### 2.26.1 System Dates Summary

The summary screen provides a list of configured system date. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **System Dates**.
2. Under **System Dates**, click **View System Dates**.

→ The **View System Dates** screen is displayed.

**Figure 49: View System Dates**



For more information on menus, refer to [Table 49: View System Dates – Field Description](#).

**Table 49: View System Dates – Field Description**

Field	Description
<b>Branch Code</b>	Displays the code of the branch.
<b>Today's Date</b>	Displays system's current date.
<b>Today's Date in Text</b>	Displays the system's current date in words.
<b>Status</b>	Displays the status of the record.

## 2.27 Transaction Code

You can configure the transaction code.

This section contains following subsections:

- [2.27.1 Transaction Code Summary](#)
- [2.27.2 Transaction Code Maintenance](#)

### 2.27.1 Transaction Code Summary

The summary screen provides a list of configured transaction code. You can configure a transaction code using the [Transaction Code Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Transaction Code**.
2. Under **Transaction Code**, click **View Transaction Code**.

→ The **View Transaction Code** screen is displayed.

**Figure 50: View Transaction Code**



For more information on menus, refer to [Table 50: View Transaction Code – Field Description](#).

**Table 50: View Transaction Code – Field Description**

Field	Description
Source System	Displays the source system details.
Transaction Code	Displays the transaction code details.
Source Transaction Code	Displays the source transaction code associated with the transaction code.
Status	Displays the status of the record,

## 2.27.2 Transaction Code Maintenance

The maintenance screen allows you to configure transaction code details. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Transaction Code**.
2. Under **Transaction Code**, click **Create Transaction Code**.

→ The **Create Transaction Code** screen is displayed.

**Figure 51: Create Transaction Code**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 51: Create Transaction Code – Field Description](#).

**Table 51: Create Transaction Code – Field Description**

Field	Description
<b>Transaction Code</b>	Specify the transaction code details.
<b>Description</b>	Specify additional information about the transaction code.
<b>Source System</b>	Search and select the required source system.
<b>Source Transaction Code</b>	Specify the source transaction code details.

4. Click **Save**. You can view the configured transaction code details in the [Transaction Code Summary](#).

## 2.28 Upload Source

You can upload a source code.

This section contains following subsections:

- [2.28.1 Upload Source Summary](#)
- [2.28.2 Upload Source Maintenance](#)

### 2.28.1 Upload Source Summary

The summary screen provides a list of configured source code. You can upload a source code using the [Upload Source Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source**.
2. Under **Upload Source**, click **View Upload Source**.

→ The **View Upload Source** screen is displayed.

**Figure 52: View Upload Source**



For more information on menus, refer to [Table 52: View Upload Source – Field Description](#).

**Table 52: View Upload Source – Field Description**

Field	Description
<b>Upload Source</b>	Displays the upload source details.
<b>Source Description</b>	Displays information about the source code.
<b>Status</b>	Displays the status of the record.

## 2.28.2 Upload Source Maintenance

The maintenance screen allows you to upload source. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source**.
2. Under **Upload Source**, click **Create Upload Source**.

→ The **Create Upload Source** screen is displayed.

**Figure 53: Create Upload Source**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 53: Create Upload Source – Field Description](#).

**Table 53: Create Upload Source – Field Description**

Field	Description
<b>Source Code</b>	Specify the source code details.
<b>Source Description</b>	Specify additional information of the source code.
<b>Base Data from Flexcube</b>	By default, this is disabled. If selected, indicates the base data is from FLEXCUBE.
<b>System Authorization Required</b>	By default, this is disabled. If selected, indicates the system requires authorization.

4. Click **Save**. You can view the configured upload source details in the [Upload Source Summary](#).

## 2.29 Upload Source Preference

You can configure upload source preference.

This section contains following subsections:

- [2.29.1 Upload Source Preference Summary](#)
- [2.29.2 Upload Source Preference Maintenance](#)

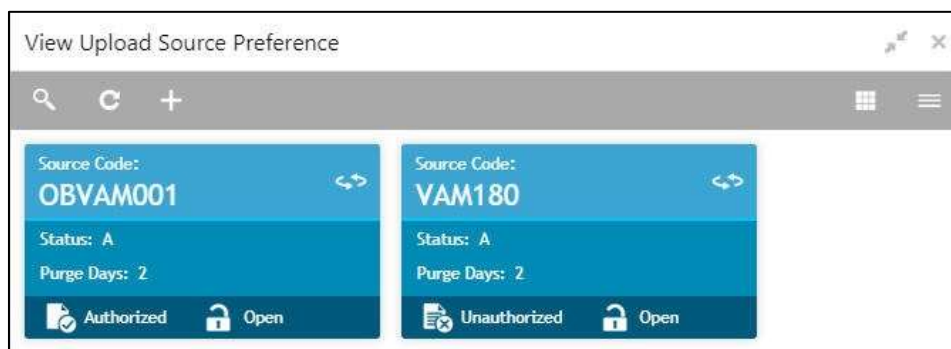
### 2.29.1 Upload Source Preference Summary

The summary screen provides a list of configured upload source preferences. You can configure an upload source preference using the [Upload Source Preference Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source Preference**.
2. Under **Upload Source Preference**, click **View Upload Source Preference**.

→ The **View Upload Source Preference** screen is displayed.

**Figure 54: View Upload Source Preference**



For more information on menus, refer to [Table 54: View Upload Source Preference – Field Description](#).

**Table 54: View Upload Source Preference – Field Description**

Field	Description
<b>Source Code</b>	Displays the code of the source.
<b>Status</b>	Displays the status of the post upload.
<b>Purge Days</b>	Displays the number of purge days.
<b>Status</b>	Displays the status of the record.



## 2.29.2 Upload Source Preference Maintenance

The maintenance screen allows you to configure upload source preference. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Upload Source Preference**.
2. Under **Upload Source Preference**, click **Create Upload Source Preference**.

→ The **Create Upload Source Preference** screen is displayed.

**Figure 55: Create Upload Source Preference**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 55: Create Upload Source Preference – Field Description](#).

**Table 55: Create Upload Source Preference – Field Description**

Field	Description
<b>Source Code</b>	Search and select the required source code.
<b>Error Handling</b>	Specify the error handling details.
<b>On Error</b>	Select an error from the drop-down list.
<b>On Override</b>	Select an override from the drop-down list.
<b>On Repairable Exception</b>	Select the repairable exception from the drop-down list.
<b>On Queue Exception</b>	Select the queue exception from the drop-down list.
<b>Post Upload</b>	Specify the post upload details.

Field	Description
<b>Status</b>	Select a status from the dropdown list.
<b>Purge Days</b>	Specify the purging days if you want to maintain any days to be purged while processing interface.
<b>Allow Deferred Processing</b>	By default, this is disabled. If selected, defers process the upload source preference.
<b>Allow EOD with Deferred</b>	By default, this is disabled. If selected, processes the EOD with deferred.
<b>Deletion Allowed</b>	By default, this is disabled. If selected, deletes the upload source preferences.
<b>Reverse Allowed</b>	By default, this is disabled. If selected, reverses the upload source preferences.
<b>Amend Allowed</b>	By default, this is disabled. If selected, amends the upload source preferences.
<b>Proceed with EOD</b>	By default, this is disabled. If selected, proceeds with the EOD.

- Click **Save**. You can view the configured upload source preference details in the [Upload Source Preference Summary](#).

## 2.30 Pricing Source System

You can configure the pricing source system.

This section contains following subsections:

- [2.30.1 Pricing Source System Summary](#)
- [2.30.2 Pricing Source System Maintenance](#)

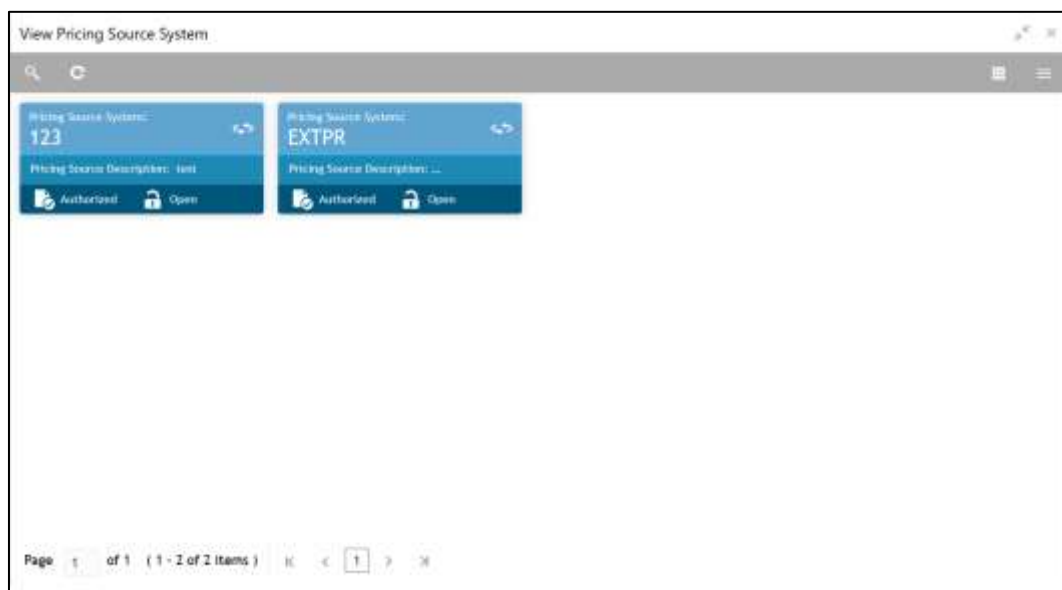
### 2.30.1 Pricing Source System Summary

The summary screen provides a list of configured Pricing Source system. You can configure the pricing source system details using the [Pricing Source System Maintenance](#). To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Pricing Source System**.
2. Under **Pricing Source System**, click **View Pricing Source System**.

→ The **View Pricing Source System** screen is displayed.

**Figure 56: View Pricing Source System**



For more information on menus, refer to [Table 56: View Pricing Source System – Field Description](#).

**Table 56: View Pricing Source System – Field Description**

Field	Description
Pricing Source System	Displays the name of the Pricing Source system.
Pricing Source System Description	Displays any additional information of the Pricing Source system.
Status	Displays the status of the record.

## 2.30.2 Pricing Source System Maintenance

The maintenance screen allows you to configure Pricing Source System details. To process this screen, perform the following steps:

1. From **Home** screen, click **Core Maintenance**. Under **Core Maintenance**, click **Pricing Source System**.
2. Under **Pricing Source System**, click **Create Pricing Source System**.

→ The **Create Pricing Source System** screen is displayed.

**Figure 57: Create Pricing Source System**

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 57: Create Pricing Source System – Field Description](#).

**Table 57: Create Pricing Source System – Field Description**

Field	Description
<b>Pricing Source System</b>	Specify the pricing source system.
<b>Pricing Source Description</b>	Specify the additional information about the Pricing Source system.

4. Click **Save**. You can view the configure Pricing Source system details in the [Pricing Source System Summary](#).

### 3 NLP Framework

This section of the user guide is designed to help you quickly get acquainted with the Machine Learning, Natural Language Processing (NLP) framework.

#### Pre-requisites

Specify **User Id** and **Password**, and login to **Home screen**.

This section contains the following topics:

- [3.1 Toolkit](#)
- [3.2 Operation](#)
- [3.3 3P Service Integration](#)

## 3.1 Toolkit

The Toolkit is used to design and train NLP/Named Entity Recognition (NER) Model(s).

This section contains following subsections:

- [3.1.1 Use Case Definition](#)
- [3.1.2 Use Case Definition Summary](#)
- [3.1.3 Use Case Definition Maintenance](#)
- [3.1.4 Annotator](#)
- [3.1.5 Model Training](#)
- [3.1.6 Model Management](#)

### 3.1.1 Use Case Definition

Use cases are defined by the business domain. The information that is required to be extracted from documents are driven by business consideration against the context of the use case being defined.

Tags/entities are required for annotating or tagging of information in the source document in order to create training files for a use case model training. These tags or entities will always be driven by business considerations for a particular use case.

The use case definition maintenance screen allows the user to define use case(s) and maintain specific list of tags for the use case.

### 3.1.2 Use Case Definition Summary

The summary screen displays the list of defined use cases. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **NLP Toolkit**.
2. Under **NLP Toolkit**, click **Use Case Definition**.

→ The **Use Case Definition** screen is displayed.

**Figure 58: Use Case Definition**



For more information on menus, refer to [Table 56: Use Case Definition – Field Description](#).

**Table 58: Use Case Definition – Field Description**

Field	Description
<b>Usecase Name</b>	Displays the name of the use case
<b>Mod No</b>	Displays the modification number
<b>Authorized Status</b>	Displays the Authorized or Unauthorized status
<b>Record Status</b>	Displays the status of the record.



### 3.1.3 Use Case Definition Maintenance

The maintenance screen allows you to define use cases and maintain entities/tags for the use case.

**Figure 59: Use Case Definition Maintenance**

The screenshot displays the 'Tag Maintenance' interface. At the top, there are buttons for 'New', 'Update', 'Delete', and 'Advanced'. Below these is the 'Business Tag Maintenance' section. It includes input fields for 'Use Case Name' (containing 'Corporate Invoice'), 'Description' (containing 'Corporate Invoice'), 'Mod No' (containing '5'), and 'Straight Through Processing' (with radio buttons for 'Yes' and 'No'). A table below lists tags with columns: Tag Display Sequence, Tag Screen Display, Tag Name, Annotation Tag, and Default Value. The table has five rows of data. At the bottom, there is a 'Page' indicator showing '1 (1-5 of at least 30 items)' and a 'Print' button.

Tag Display Sequence	Tag Screen Display	Tag Name	Annotation Tag	Default Value
5	Invoice Due Date	InvoiceDueDate	Y	
11	"Buyer Division Code	BuyerDivisionCode	-	Y
8	Currency	currency	Y	
20	"External Branch BIC	externalBranchBIC	-	Y
10	Tax Jurisdiction	taxJurisdiction	Y	

Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 57: Tag Maintenance – Field Description](#).

**Table 59: Tag Maintenance – Field Description**

Field	Description
<b>Use Case Name</b>	Unique use case name. It gets populated on Save, from the last folder name from the "Training Corpus Path (DOC)"
<b>Description</b>	Use Case Description
<b>Mod No</b>	Automatic Modification Number
<b>Straight Through Processing</b>	yes = Unattended / No = Attended
<b>Use Case Tags/Entities</b>	Specifies the use case tags entities.
<b>Tag Display Sequence</b>	The sequence in which the tags get displayed.
<b>Tag Screen Display</b>	Business Name of the Tag
<b>Tag Name</b>	Technical Name of the Tag
<b>Annotation Tag</b>	To identify tags to be used in Training
<b>Default Value</b>	Default value for tags not used for training

### 3.1.4 Annotator

Annotation is the process of identifying information within a document content and tagging them as a specific type of information. Of course, each use case defined, will have their own relevant maintained list of tags/entities, which will be used to annotate source documents for a use case.

**Figure 60: Annotator**

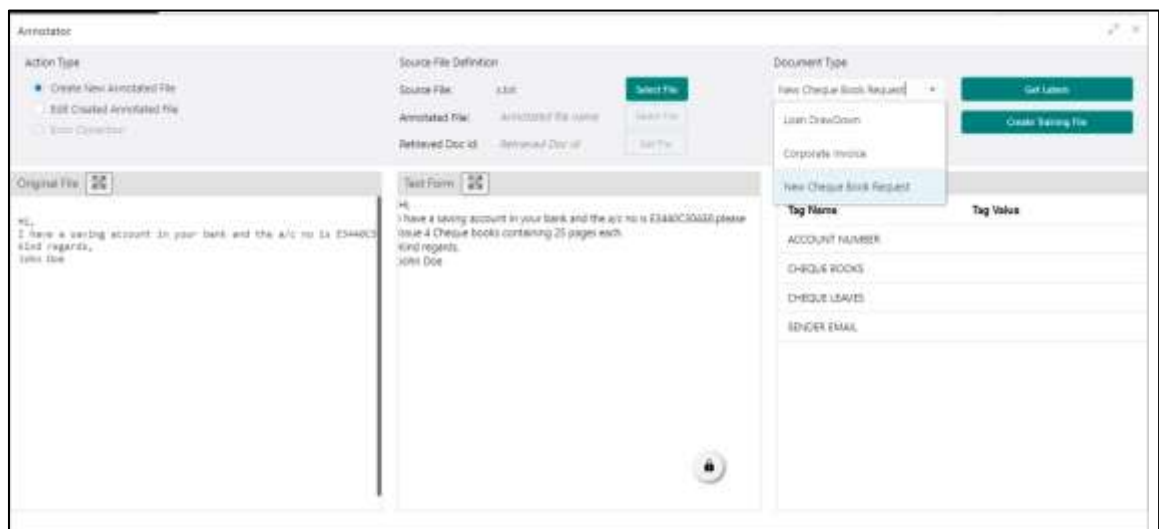


Annotator helps you to perform the annotations on a source document for a use case. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **NLP Toolkit**.
2. Under **NLP Toolkit**, click **Annotator**.

→ The **Annotator** screen is displayed.

**Figure 61: Annotator**



3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 58: Annotator – Field Description](#).

**Table 60: Annotator – Field Description**

Field	Description
<b>Action Type</b>	Select the action type. Available options are as following: <ul style="list-style-type: none"> <li>Create New Annotated File</li> <li>Edit Created Annotated File</li> </ul>
<b>Source File Definition</b>	Select the source document from local windows explorer based on the <b>Action Type</b> .
<b>Document Type</b>	Displays the list of all the use cases defined under use case definition.
<b>Get Labels</b>	For the selected Document Type the maintained Tags/entities are displayed in the below Annotations section.
<b>Create Annotated File</b>	Once annotations of all the Tags are completed, this will perform two outcomes, <ul style="list-style-type: none"> <li>Create annotated text file in the defined NER train path as maintained under use case definition</li> <li>Create text file in the defined DOC train path as maintained under use case definition</li> </ul>

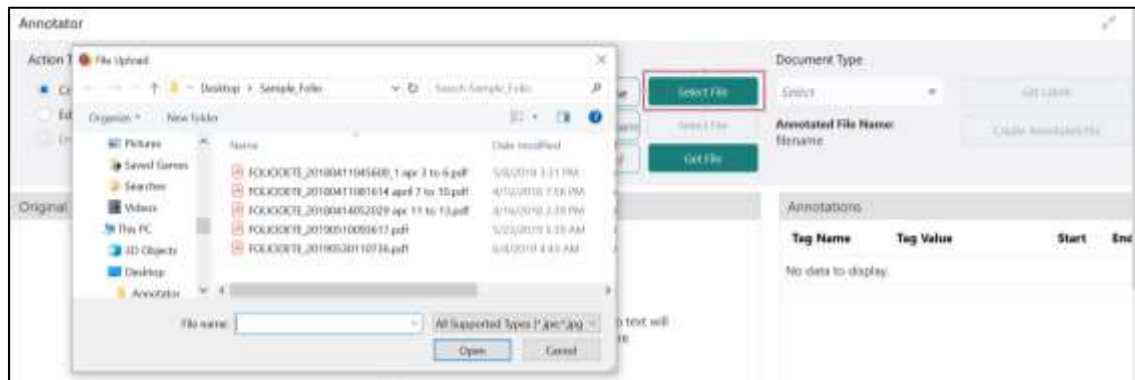
Follow the below mentioned steps to annotate the source files:

1. Select action type as “Create New Annotated File”.

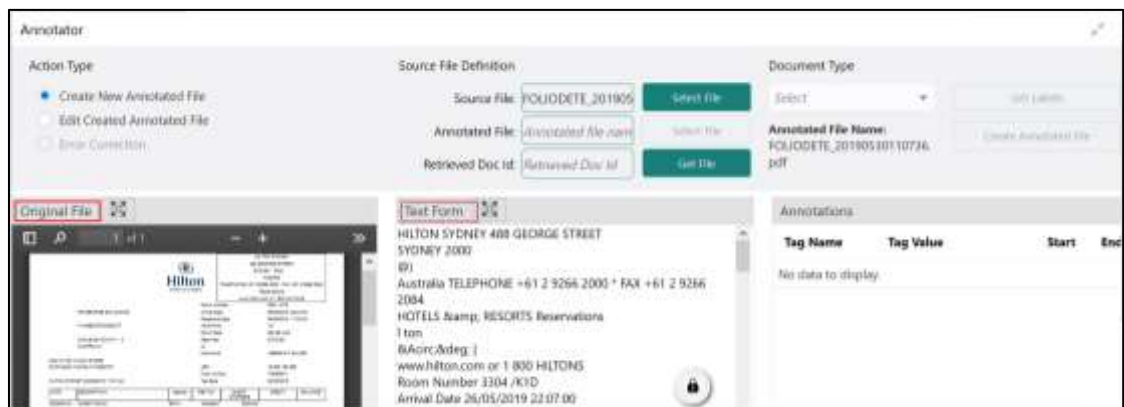
**Figure 62: Action Type**

The screenshot shows the 'Annotator' application interface. The 'Action Type' section is highlighted with a red box, showing three options: 'Create New Annotated File' (selected with a blue square), 'Edit Created Annotated File', and 'Link Correction'. The 'Source File Definition' section includes fields for 'Source File' (with a 'Select File' button), 'Annotated File' (with a 'Select File' button), and 'Retrieved Doc Id' (with a 'Get File' button). The 'Document Type' section has a 'Select' dropdown and a 'Get Labels' button. Below these are sections for 'Original File', 'Text Form', and 'Annotations'. The 'Annotations' section has a table with columns 'Tag Name', 'Tag Value', 'Start', and 'End', and a message 'No data to display'.

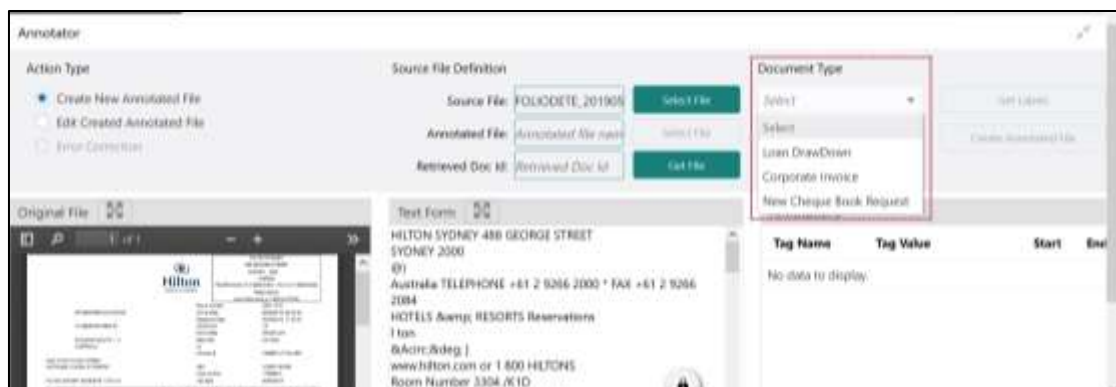
- Click **Select File**. It will open the windows explorer. Navigate and select the source document to be annotated.

**Figure 63: File Upload**

- The source document will be displayed in the “Original File” section and the text version of the document will be displayed in the “Text Form” section below:

**Figure 64: Text Form**

- Chose the “Document Type”.

**Figure 65: Document Type**

- Click **Get Labels**. It will load all the maintained Tags for the Document Type.

Figure 66: Tags

The screenshot shows the Annotator interface with the following sections:

- Action Type:** Create New Annotated File (selected), Edit Created Annotated File, Error Correction.
- Source File Definition:** Source File: FOUODETE\_201905, Annotated File: Annotated file name, Retrieved Doc Id: Retrieved Doc id.
- Document Type:** Corporate Invoice, with a **Get Labels** button highlighted in a red box.
- Annotations:** A table with columns: Tag Name, Tag Value, Start, End. The table contains the following rows:
 

Tag Name	Tag Value	Start	End
Buyer Code			
Invoice Date			
Tax Percentage			
Amount			

- Identify and select information within the “Text Form” section of the document and RIGHT-CLICK to display the list of tags and select the relevant tag.

Figure 67: List of Tags

The screenshot shows the Annotator interface with the 'Text Form' section selected. The 'List of Tags' dropdown menu is open, showing the following tags:

- Buyer Code
- Invoice Date
- Tax Percentage
- Amount
- Currency

The 'Text Form' section contains the following text:

HILTON SYDNEY 488 GEORGE STREET  
SYDNEY 2000  
(61)  
Australia TELEPHONE +61 2 9266 2000 \* FAX +61 2 9266 2034  
HOTELS &amp; RESORTS Reservations  
1 ton  
B&Aorc&deg; |  
www.hilton.com or 1 800 HILTONS  
Room Number 3304 /KTD  
Arrival Date 26/05/2019 22:07:00

Figure 68: Select Annotation Label

The screenshot shows the Annotator interface with the 'Text Form' section selected. The 'Select Annotation Label' dropdown menu is open, showing the following labels:

- Buyer Code
- Invoice Date
- Tax Percentage
- Amount
- Currency
- Invoice No.
- Tax Amount
- Supplier Name
- Discount Percentage
- Net Invoice Amount
- Discounted Amount

The 'Text Form' section contains the following text:

BALANCE \$0.00  
\$330.65  
\$330.65  
\$16.00  
Total All Charges \$1,322.65  
TOTAL INCLUDES GST OF \$120.24  
MR. GEORGE SAM ZAFOS 14 ABERCROMBIE ST  
OAKLEIGH SOUTH 0  
AUSTRALIA Copy of Tax Invoice 1370252  
Confirmation Number 3115492747  
HILTON SYDNEY 30/05/2019 11:07 AM  
26/05/2019 GUEST ROOM  
27/05/2019 MINIBAR

- The selected Tag and the information will get displayed in section “Annotations” under Tag Name and Tag Value.

**Figure 69: Annotations**

The screenshot shows the Annotator application interface. The 'Annotations' section is visible on the right, displaying a table with the following data:

Tag Name	Tag Value	Start	End
Discount Percentage			
Net Invoice Amount	1,322.80	628	636
Discounted Amount			

- Repeat steps (6) and (7) for all the displayed tags as per availability of information in the source document.
- Select a Tag Name from the “Annotations” section and RIGHT- CLICK to delete the Tag Value.

**Figure 70: Tag Value**

The screenshot shows the Annotator application interface. The 'Annotations' section is visible on the right, displaying a table with the following data:

Tag Name	Tag Value	Start	End
Discount Percentage			
Net Invoice Amount	RIGHT CLICK		
Discounted Amount			

- After all the tags are assigned relevant information click **Create Annotated** File to create the annotated file and end the process.

### 3.1.5 Model Training

Model training is done on the annotated training corpus. The annotated training corpus is a collection of annotated training files created using the annotator.

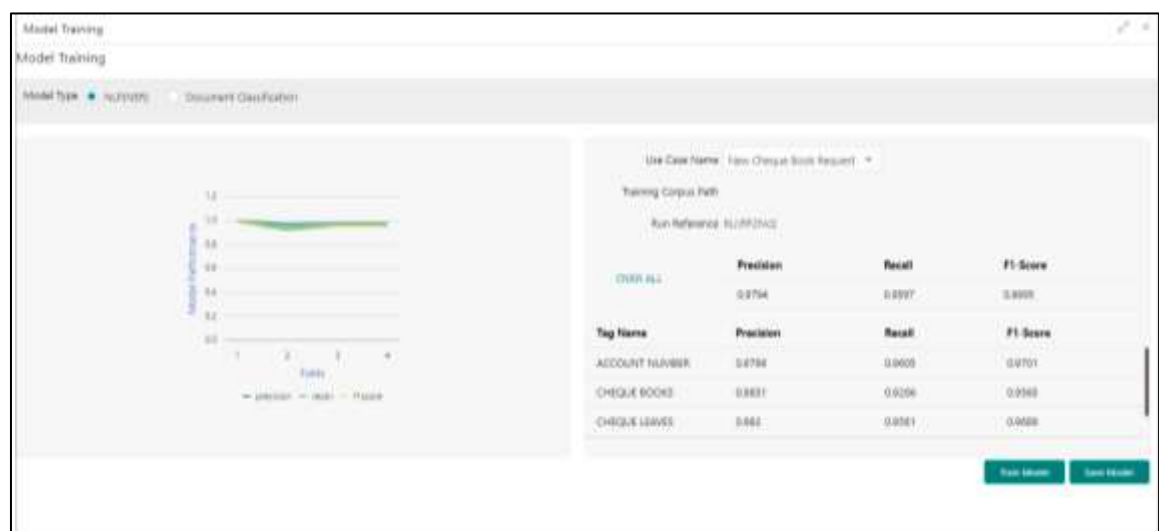
Model training is iterative and is carried out over increasing corpus size depending on the model parameters.

Each defined use case will have its own training corpus available in the path set up in the use case definition. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **NLP Toolkit**.
2. Under **NLP Toolkit**, click **Model Training**.

→ The **Model Training** screen is displayed.

**Figure 71: Model Training**



#### Training NER Models:

3. Select the Model Type as NLP(NER).
4. Choose the use case name.
5. Click **Train Model**.

Each model for a use case is identified by a unique run reference.

#### Training Document Classifier Model:

6. Select the Model Type as Document Classification.
7. Click **Train Model**.

If you find the model parameters acceptable, you may want to save the model by clicking **Model Save**.

The alternative is to add more annotated training files for the use case and repeat model training, till satisfactory parameters are achieved.



### 3.1.6 Model Management

All the run reference of models saved from model training for a use case can be seen here. For each model run reference, you can view the parameters for the model as well as individual tag/entities

You may choose the active model run reference to be used as part of business processing.

This section contains following subsections:

- [3.1.6.1 Model Management Summary](#)
- [3.1.6.2 Model Management Maintenance](#)

#### 3.1.6.1 Model Management Summary

The summary screen displays the list of use case models. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **NLP Toolkit**.
2. Under **NLP Toolkit**, click **Model Management**.

→ The **Model Management** screen is displayed.

**Figure 72: Model Management Summary**



For more information on menus, refer to [Table 59: Model Management Summary – Field Description](#).

**Table 61: Model Management Summary – Field Description**

Field	Description
<b>Use Case Name</b>	Displays the name of the Use Case.
<b>Mod No</b>	Displays the number of modifications.
<b>Authorized Status</b>	Displays the status as Authorized or Unauthorized.
<b>Record Status</b>	Displays the record status as Open or Closed.



### 3.1.6.2 Model Management Maintenance

This is where you may unlock and choose the active model run reference to be used as part of business processing. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **NLP Toolkit**.
2. Under **NLP Toolkit**, click **Model Management**.

→ The **Model Management** screen is displayed.

**Figure 73: Model Management Maintenance**

Run Reference	Precision	Recall	F1 score	Active	Tag Parameters
SK3515u7D	0.909	0.733	0.811	<input type="checkbox"/>	Tag Parameters
QRJhMpfu	0.951	0.822	0.882	<input type="checkbox"/>	Tag Parameters
wPb5XCKL	0.951	0.859	0.902	<input type="checkbox"/>	Tag Parameters
FM3LdH94	0.816	0.667	0.733	<input type="checkbox"/>	Tag Parameters
JA1GwazZ	0.94	0.788	0.857	<input type="checkbox"/>	Tag Parameters

Page: 2 of 4 (6-10 of 16 items) | < 1 2 3 4 > ||

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 60: Model Management Maintenance – Field Description](#).

**Table 62: Model Management Maintenance – Field Description**

Field	Description
<b>Use Case Name</b>	Displays the name of the Use Case.
<b>Model Type</b>	Displays the NER or Classification type of Model.
<b>Run Reference</b>	Unique Model Version Identifier.
<b>Precision</b>	Value between 0 to 1. Closer to 1 is better.
<b>Recall</b>	Value between 0 to 1. Closer to 1 is better.
<b>F1 Score</b>	Value between 0 to 1. Closer to 1 is better.
<b>Active</b>	The model run reference that is currently active.

For each model run reference you could view the individual tag parameters.

Figure 74: Tag Parameters

**Model Management**

Use Case Name: corpine

Run Reference: 2Wp2xtLB

**Tag Parameters Detail**

Model Name	Model Type	Run Reference
corpine	NER	2Wp2xtLB

Tag Name	Precision	Recall	F1 Score
supplierName	0.954	0.932	0.943
buyerCode	0.975	0.986	0.929
invoice Due Date	1	0	0
anotherTag	0.954	0.932	0.943

Page 1 of 4 (1-5 on screen)

At this stage you have defined a new use case with the tags/entities to be recognized by the model and trained and exported the use case model to be used by business.

## 3.2 Operation

This is where the trained models are consumed for business processing.

This section contains following subsections:

- [3.2.1 Document Upload](#)
- [3.2.2 Transaction Log](#)

### 3.2.1 Document Upload

This is the screen where you upload the source document which is consumed by the NLP model and defined tags/entities are recognized.

The information that is extracted by the model is seamlessly used in further business processing. To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **Operation**.
2. Under **Operation**, click **Document Upload**.

→ The **Document Upload** screen is displayed.

**Figure 75: Document Upload**

The screenshot displays the 'Document Upload' interface. At the top, there's a 'Scan and Upload Document' section with a file selection button (labeled 'Select File') and a 'Document Type' dropdown menu currently set to 'Corporate Invoice'. An 'Upload' button is visible on the right. Below this is the 'Original Document' section, which shows a preview of a scanned invoice from 'Bubba Gump Ltd.'. The invoice includes contact information for 'Bubba Gump Ltd.' (2195 Eldorado Dr., Billings, MT, 59033, Phone: (406) 245-4497, Email: [info@bubbagump.com](mailto:info@bubbagump.com)) and a table of items with 'BILL TO' and 'SHIP TO' details. The 'BILL TO' information is for 'Vancouver Logistics Ltd.' (500 E 5th St N, Nanaimo, BC, V9X 0B8, Phone: (604) 793-0688). The 'SHIP TO' information is for 'Bart Smith' (4068 Tustin Ct, Torrance, CA, 90540, Phone: (310) 768-2717, Email: [bart.smith@vware.com](mailto:bart.smith@vware.com)). The invoice also lists 'Invoice No. # 798052', 'Invoice Date: 15/09/2018', 'PO No. # A0562891', 'PO Date: 16/09/2018', and 'Due Date: 23/10/2018'.

3. Click **Select File** to select the source document.
4. Chose the Document Type from the pick list.
5. Click **Upload** to initiate business process.

### 3.2.2 Transaction Log

This is the screen where you can see all the uploaded transactions that has been interpreted by the NLP models.

You can filter the displayed transactions based on the following:

- Document Type
- Status

To process this screen, perform the following steps:

1. From **Home** screen, click **Machine Learning**. Under **Machine Learning**, click **Operation**.
2. Under **Operation**, click **Transaction Log**.

→ The **Transaction Log** screen is displayed.

**Figure 76: Transaction Log**

Document Id	Document Type	Model Ref	Processing Date	Status	Failure Reason	Train. Req'd	Tag Value(s)
52	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	PROCESSED		N	
51	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	ERROR	Unable to complete Incent Processing	Y	
50	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	PROCESSED		N	
49	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	PROCESSED		N	
48	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	PROCESSED		N	
47	stop-flow Cheques Bank Request	vAadpallam	23/10/2020	PROCESSED		N	

3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 61: Transaction Log – Field Description](#).

**Table 63: Transaction Log – Field Description**

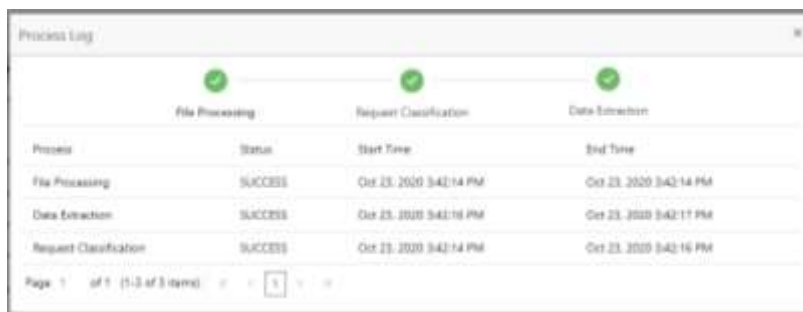
Field	Description
<b>Document Type</b>	Select the document type.
<b>Status</b>	Select the status.
<b>Document Id</b>	Displays the Document Management System Unique Identifier.
<b>Document Type</b>	Displays the document type - Use Case Definition.
<b>Model Ref</b>	Displays the Unique Model Version Identifier.
<b>Processing Date</b>	Displays the document processed date.

Field	Description
Status	Displays the status of the transaction.
Failure Reason	Displays the reason for failed status.
Train. Req'd	Displays train required status.
Tag Values	Displays the tag values for the processed transactions and allow the correction for transactions with errors.

## Execution Flow

Click on document reference ID to view details and execution flow.

**Figure 77: Execution Flow**




Process	Status	Start Time	End Time
File Processing	SUCCESS	Oct 23, 2020 3:42:14 PM	Oct 23, 2020 3:42:14 PM
Data Extraction	SUCCESS	Oct 23, 2020 3:42:16 PM	Oct 23, 2020 3:42:17 PM
Request Classification	SUCCESS	Oct 23, 2020 3:42:14 PM	Oct 23, 2020 3:42:16 PM

Page: 1 of 1 (1-3 of 3 items)

## Processed Status

For any Document Type, you can filter on the 'Processed' status and view the model tag values used to process the transactions. The displayed information reflects both the original retrieved values by the model from the document and also the values which have been corrected by human intervention.

**Figure 78: Processed Status**



Tag Name	Value
discountAmount	75
invoiceDate	15/08/2018
invoiceDueDate	20/10/2018
invoiceNumber	736202
netInvoiceAmount	825.00

Page: 2 of 3 (6-10 of 14 items)

## Error Status

For any Document Type, you can filter on the 'Error' status and view all the failed transactions.

**Figure 79: Error Status**

Transaction Log

Document Type: Inbuilt Loan DrawDown Status: ERROR

Processing Dashboard

Document ID	File Name	Document Type	Model Ref	Processing Date	Status	Failure Reason	Bus. Ref	Tag Value(s)
14051	FILE_118855574034.pdf	Inbuilt Loan DrawDown	cashDevy	01/04/2015	ERROR	Error in infilling business process		1
11750	FILE_118845574035.pdf	Inbuilt Loan DrawDown	cashDevy	01/04/2015	ERROR	Error in infilling business process		1

Page 1 of 1 (1-2 of 2 items)

For the failed transactions, you can click on the Tag Value(s) to invoke the toolkit annotator in the error correction mode to create a new annotated training file for future model training.

**Figure 80: Annotator**

Annotator

Action Type:

- ☐ Create New Annotated File
- ☐ Edit Created Annotated File
- ☒ Error Correction

Source File Definition

Source File: Source File Name  Select File

Annotated File: Annotated File Name  Select File

Retrieved Doc Id: 53608

Document Type: Corporate Invoice

Annotated File Name: 53608.txt

Original File

Text Form

Annotations

Tag Name	Tag Value	Start	End
Buyer Code	18302	220	225
Invoice Date			
Tax Percentage			
Amount			

Original File Content:

Invoice No. # = 606P2819  
 Invoice Date: 11/09/2014  
 6 Theatre Street, PO No. # 93K67023  
 Altoona, PA 16601 PO Date: 27/09/2014  
 Phone (641) 7919080 Due Date: 16/10/2014  
 Email: herbs.gil@vanc.com  
 BILL TO Buyer: 18302  
 Musarc Corp Ltd, 4065 Teton Ct,  
 Amy Taylor 4065 Teton Ct,  
 Stroudsburg, PA 18360

### 3.3 3P Service Integration

Any model execution or training service(s) built using any 3P NLP library can be integrated in the NLP framework.

The only requirement being the REST services must confirm to the payload definition detailed in the following section.

Building model training and execution services using other 3P NLP libraries would involve consulting effort.

This section contains following subsections:

- [3.3.1 Classification Training Service](#)
- [3.3.2 NER Training Service](#)
- [3.3.3 Classification Processing Service](#)
- [3.3.4 NER Processing Service](#)
- [3.3.5 Service Mapping](#)
- [3.3.6 Business Service Mapping](#)

#### 3.3.1 Classification Training Service

This section elaborates the payload details for document classification model training service.

##### Input Payload

**Table 64: Input Payload**

name	in	type	required	Remarks
trainCorpusPath	formData	string	true	Training Corpus path
modelType	formData	File	true	Type of model being trained
runRef	formData	string	true	Unique running reference number

- name: " **trainCorpusPath**"
  - in: "formData"
  - type: string
  - required: true
- name: " **modelType**"
  - in: "formData"
  - type: string
  - value for document classification training: "docClassification"
  - required: true
- name: " **runRef** "
  - in: "formData"
  - type: string
  - required: true

**Output Payload:**

```
{
  "data": {
    "timeTaken": 0,
    "corpusSize": 0,
    "precision": 0,
    "recall": 0,
    "f1score": 0,
    "model_fold_performances": null,
    "tag_performances": null
  }
}
```

**Output payload data model definition:**

```
ModelTrainParamsDTO:
  type: object
  properties:
    data:
      type: object
      properties:
        timeTaken:
          type: number
        corpusSize:
          type: number
        precision:
          type: number
        recall:
          type: number
        f1score:
          type: number
        model_fold_performances:
          type: array
          items:
            $ref: "#/definitions/ModelFoldPerfromancesDTO"
        tag_performances:
          type: array
          items:
            $ref: "#/definitions/MltbTagPerfomancesDTO"
```



### 3.3.2 NER Training Service

This section elaborates the payload details for NER model training service.

#### Input Payload

**Table 65: Input Payload**

name	in	type	required	Remarks
trainCorpusPath	formData	string	true	Training Corpus path
modelType	formData	File	true	Type of model being trained
runRef	formData	string	true	Unique running reference number

- name: " **trainCorpusPath**"  
in: "formData"  
type: string  
required: true
- name: " **modelType**"  
in: "formData"  
type: string  
value for NER model training: "nlpNer "  
required: true
- name: " **runRef** "  
in: "formData"  
type: string  
required: true

#### Output Payload

```
{
  "data": {
    "timeTaken": 0,
    "corpusSize": 0,
    "precision": 0,
    "recall": 0,
    "f1score": 0,
    "model_fold_performances": [
      {
        "fold_no": 0,
        "eval_metric": "string",
        "value": 0
      }
    ],
    "tag_performances": [
      {
        "name": "string",
        "precision": 0,
        "recall": 0,
        "f1score": 0
      }
    ]
  }
}
```

**Output Payload data model definition**

ModelTrainParamsDTO:

```

type: object
properties:
  data:
    type: object
    properties:
      timeTaken:
        type: number
      corpusSize:
        type: number
      precision:
        type: number
      recall:
        type: number
      f1score:
        type: number
      model_fold_performances:
        type: array
        items:
          $ref: "#/definitions/ModelFoldPerfromancesDTO"
      tag_performances:
        type: array
        items:
          $ref: "#/definitions/MltbTagPerfromancesDTO"

```

ModelFoldPerfromancesDTO:

```

type: object
properties:
  fold_no:
    type: number
  eval_metric:
    type: string
  value:
    type: number

```

MltbTagPerfromancesDTO:

```

type: object
properties:
  name:
    type: string
  precision:
    type: number
  recall:
    type: number
  f1score:
    type: number

```

### 3.3.3 Classification Processing Service

This section elaborates the payload details for document classification model processing service.

#### Input Payload:

**Table 66: Input Payload**

name	in	type	required	Remarks
modelPath	formData	string	true	The path to the classification model
file	formData	File	true	The text file which must be classified

- name: "**modelPath**"
  - in: "formData"
  - type: string
  - required: true
- name: "**file**"
  - in: "formData"
  - type: file
  - required: true

#### Output Payload

```
{
  "data": {
    "docType": "string"
  }
}
```

#### Output Payload data model definition

```
MltbNlpDTO:
  type: object
  properties:
    data:
      properties:
        docType:
          type: string
```

### 3.3.4 NER Processing Service

This section elaborates the payload details for NER model processing service

#### Input Payload:

**Table 67: Input Payload**

name	in	type	required	Remarks
modelPath	formData	string	true	The path to the NER model
file	formData	File	true	The text file which must be classified

```
- name: "modelPath"
  in: "formData"
  type: string
  required: true
- name: "file"
  in: "formData"
  type: file
  required: true
```

#### Output Payload

```
{
  "data": {
    "keyvals": [
      {
        "tagName": "string",
        "value": "string",
        "start_index": 0,
        "end_index": 0
      }
    ]
  }
}
```

#### Output Payload data model definition:

```
MltbNerKeyValsDTO:
  type: object
  properties:
    data:
      properties:
        keyvals:
          type: array
          items:
            $ref: '#/definitions/MltbNerKeyValExtractedObjDTO'
```

```
MltbNerKeyValExtractedObjDTO:
  type: object
  properties:
    tagName:
      type: string
    value:
      type: string
    start_index:
      type: number
    end_index:
      type: number
```

### 3.3.5 Service Mapping

After creation of the model services, entries must be made into the table

CMC\_TM\_ML\_SERVICE\_DEFN to enable the NLP framework to use these services.

#### Existing use case:

Update the highlighted column in table CMC\_TM\_ML\_SERVICE\_DEFN with the new service API.

**Table 68: Existing Use Case**

Column name	Remarks	Model Training	Model Processing
ID	Unique ID		
USECASE_NAME	Use Case Name	<existing use case>	<existing use case>
DESCRIPTION	Use Case Description		
SERVICE_TYPE	Service Type	Training	Processing
SERVICE_DEFN	Mapped Service API	<New Service API>	<New Service API>
METHOD_TYPE	Method Type	POST	POST
APP_ID	Sub Domain ID		
RECORD_STAT	Record Status	O	O
AUTH_STAT	Authorized Status	A	A
MOD_NO	Modification Number	1	1
ONCE_AUTH	Once Authorized	Y	Y
MAKER_ID	Maker Name	SYSTEM	SYSTEM
MAKER_DT_STAMP	Maker Date stamp	<Application Date>	<Application Date>
CHECKER_ID	Authorizer Name	SYSTEM	SYSTEM
CHECKER_DT_STAM	Authorizer Date stamp	<Application Date>	<Application Date>

#### New use case

Insert a new record into the table CMC\_TM\_ML\_SERVICE\_DEFN.

**Table 69: New Use Case**

Column name	Description	Remarks for Data
ID	Unique ID	Ensure a Unique ID
USECASE_NAME	Use Case Name	Must be one of the usecase_name from the table CMC_TM_ML_NER_TAG_MAS
DESCRIPTION	Use Case Description	

Column name	Description	Remarks for Data	
SERVICE_TYPE	Service Type	'Training'	Use this value for model Training Service
		'Processing'	Use this value for model execution Service
		'Business'	Use this value for business Service
SERVICE_DEFN	Mapped Service API	<The newly created 3P NLP service API>	
METHOD_TYPE	Method Type	POST	
APP_ID	Sub Domain ID	NULL	
RECORD_STAT	Record Status	O	
AUTH_STAT	Authorized Status	A	
MOD_NO	Modification Number	1	
ONCE_AUTH	Once Authorized	Y	
MAKER_ID	Maker Name	SYSTEM	
MAKER_DT_STAMP	Maker Date stamp	<Application Date>	
CHECKER_ID	Authorizer Name	SYSTEM	
CHECKER_DT_STAMP	Authorizer Date stamp	<Application Date>	

### 3.3.6 Business Service Mapping

If straight through processing is enabled in use case definition, then entries must be made into the table CMC\_TM\_ML\_BUS\_SERVICE\_DEFN to enable the NLP framework to call the Business Service.

Insert a new record into the table CMC\_TM\_ML\_BUS\_SERVICE\_DEFN for each use-case with straight through processing enabled.

**Table 70: For Each Use Case**

Column name	Description	Remarks for Data	
ID	Unique ID	Ensure a Unique ID	
USECASE_NAME	Use Case Name	Must be one of the usecase_name from the table CMC_TM_ML_NER_TAG_MAS	
DESCRIPTION	Use Case Description		
SERVICE_TYPE	Service Type	'Business'	Use this value for business Service
ADAPTER_CLASS	Fully qualified name of the adapter class	Use oracle.fsgbu.cmc.nlp.pipeline.services.adaptor.GenericAdaptor for all the business service calls  Use oracle.fsgbu.cmc.nlp.pipeline.services.adaptor.OBRHAdaptor if you want to call business service via OBRH	
SERVICE_DEFN	Mapped Service API	API, which will be called for Business service execution	
HEADERS	Comma separated headers key value separated by colon (:)	Eg : docId:123 , branchCode : 000	
METHOD_TYPE	Method Type	POST	
APP_ID	Sub Domain ID	NULL	
RECORD_STAT	Record Status	O	

Column name	Description	Remarks for Data
AUTH_STAT	Authorized Status	A
MOD_NO	Modification Number	1
ONCE_AUTH	Once Authorized	Y
MAKER_ID	Maker Name	SYSTEM
MAKER_DT_STAMP	Maker Date stamp	<Application Date>
CHECKER_ID	Authorizer Name	SYSTEM
CHECKER_DT_STAMP	Authorizer Date stamp	<Application Date>

If you are Integrating Business Service via OBRH then in service definition column, you need to provide URL of OBRH dispatch API and the additional headers in headers column.

Since there are some common headers, which are required for calling OBRH as well (like applId, branchCode, uderId) and to avoid the conflict for these headers, the ML\_ prefix is appended in header keys by OBRH adaptor. You need to configure transformation logic of these headers in OBRH.



## 4 Error Codes and Messages

This topic contains the error codes and messages:

**Table 71: Error Codes and Messages**

Error Codes	Messages
CC-01015	Default BIC Is Checked For More Than One BIC
CC-01016	Swift Address is Mandatory
CC-01017	Default BIC Is Not Checked For any BIC
CC-01018	Same Swift Address is present more than once
CC-01019	Mismatch in bank code
CC-ACC-002	Currency should be null for Multi-Currency Account
CC-ACC-102	Record already exist for Source Branch and Source Account No combination
CC-ACC-169	Reopen not allowed for a closed Customer No
CC-BIC-010	Bic code is being used in branch maintenance. Close not allowed.
CC-BIC02	The BIC code does not conform to SWIFT standards
CC-BIC05	Record already maintained for the customer no
CC-BNK-001	Branch code is in Open status. Close not allowed.
CC-BNK-002	Reopen not allowed for a closed Branch Code
CC-BNK-003	Only one Bank Code is allowed.
CC-BRN-101	Active account / accounts exist for the branch code. Close not allowed.
CC-BRN-102	This is HO branch. Close not allowed.
CC-BRN-103	Record for Source Branch Code already exists
CC-C00100	Relationship cannot be No for a Customer Linked BIC Code

Error Codes	Messages
CC-CUS-167	Record already exist for customer no and source_system_cust_no combination
CC-CUS-169	Active account/accounts exist for the customer no
CC-CUS-17	Kindly Enter a Valid Walkin Customer
CC-EC-002	Record already exist for Account IBAN
CC-ECA-001	Active \$1 exist for the Source System
CC-HST-001	Active \$1 exist for the Host Code
CC-MOD-001	\$1 cannot be modified
CC-MOD-INV	\$1 is invalid
CC-NUL-001	\$1 cannot be null
CC-TXN-001	\$1 is closed. Reopen not allowed.
CMC-ACC-FOR01	Cannot reopen forgotten account
CMC-ACC-PII01	User doesnt have access to PII data, cannot perform create or modify operations
CMC-ACC-SUBAC01	No SubAccounts available for Multi-Currency Account
CMC-ACC-SUBAC02	Exactly one account should be primary account
CMC-ACC-SUBAC03	Sub Accounts should have unique currency code
CMC-BRN-018	Exception occurred in ICFlipDate
CMC-BRN-019	Unable to get branch date
CMC-BRN-020	Branch code is null
CMC-BRN-100	Branch Status retrieved Successfully
CMC-BRN-101	Branch doesnot exist
CMC-BRN-CD01	Date changed successfully
CMC-BRN-CD02	Failed to change date, holiday list not maintained properly

Error Codes	Messages
CMC-BRN-EOD01	Branch Status not in TI, cannot initiate EOD
CMC-BRN-EOD02	EOD invoked for the branch
CMC-BRN-EOD03	Invalid Branch Code
CMC-BRN-EOD04	Eod Requested on Date is not Branch's Today
CMC-BRN-EOD05	EOD cannot be invoked on a holiday
CMC-BRN-EOD06	Date changed successfully
CMC-BRN-EOD07	EOD not invoked, cannot initiate change date
CMC-BRN-EOD08	EOF1 job not completed, cannot initiate change date
CMC-BRN-EOD09	EOD not invoked, cannot initiate mark TI
CMC-BRN-EOD10	Date Change job not completed, cannot initiate TI for next day
CMC-BRN-EOD11	Mark TI successful
CMC-BRN-EOD12	Branch status not in TI, cannot initiate Mark EOF1
CMC-BRN-EOD13	Branch status not in EOF1, cannot change Date
CMC-BRN-EOD14	Branch status for next working date update to BOD
CMC-BRN-EOD15	Branch status not in BOD, cannot mark TI
CMC-BRN-EOD16	Branch status for next working date update to TI
CMC-BRN-EOD17	Branch Status Changed to EOF1
CMC-BRN-EOD18	Invoke Mark TI failed
CMC-BRN-EOD19	Date change completed cannot retrigger
CMC-BRN-EOD20	Mark TI completed cannot retrigger
CMC-BRN-EOD21	Date changed failed
CMC-BRN-EOD30	Invalid requested date, failed to parse
CMC-BRN-EOD31	Mark Eoti retry initiated

Error Codes	Messages
CMC-BRN-EOD32	Cannot retry Mark EOFI which has not failed
CMC-BRN-EOD33	Date Changed successfully. \$1
CMC-BRN-EOD34	BOD Batches completed successfully.
CMC-BRN-EOD35	BOD Batches retriggered successfully. \$1
CMC-BRN-EOD36	\$1. Hence EOFI Failed.
CMC-BRN-EOD37	Failed in getting current date
CMC-CCY-001	Duplicate records exists in Amount word currency Mapping
CMC-CCY-002	Duplicate records exists in Amount Text Mapping
CMC-CCY-003	Cannot change Currency Decimal for once authorized currencies
CMC-CCY-004	Cannot Change round unit if the round rule is Truncate (T)
CMC-CCY-005	Mandatory field Interest Method is not entered
CMC-CCY-006	Mandatory field Spot Days is not entered
CMC-CCY-007	Mandatory field Settlement Days is not entered
CMC-CCY-008	Mandatory field Country is not entered
CMC-CCY-009	Mandatory field Rule is not entered
CMC-CCY-010	Value should be in range of 0 and 999 for Settlement Days
CMC-CCY-011	Mandatory field Unit is not entered
CMC-CCY-012	Decimals/ Rounding Unit Mismatch
CMC-CCY-013	Numerator of Interest Method is not Actual
CMC-CCY-014	Duplicate Alternate Currency Code
CMC-CCY-015	Duplicate ISO Numeric Currency Code
CMC-CCY-016	Duplicate Euro currency

Error Codes	Messages
CMC-CCY-017	Euro Conversion required cannot be changed for the currency types out, Euro and Euro closed
CMC-CCY-018	Spot days is less than fx netting days
CMC-CCY-019	Currency Cut Off days cannot be greater than spot days for currency
CMC-CCY-020	Spot Days for currency cannot be lesser than cut off days for currency
CMC-CCY-021	Value should be in range of 1 and 99 for Cut Off Days
CMC-CCY-022	Value should be in range of 1 and 23 for Cut Off Hour
CMC-CCY-023	Value should be in range of 1 and 59 for Cut Off Min
CMC-CCY-024	Value cannot be less than .00000 for Currency Total limit
CMC-CCY-025	Value should be in range of 0 and 3 for Currency Decimal
CMC-CCY-026	Country Code is Mandatory
CMC-CCY-027	Duplicate records exists in Currency Country Mapping
CMC-CCY-028	Mandatory field Country is not entered in Currency Country Mapping
CMC-CCY-029	Currency Code is NULL
CMC-CCY-030	Date is NULL
CMC-CCY-031	Date is Invalid (should be in yyyy-mm-dd format)
CMC-CCY-032	No record found
CMC-CCY-033	Next/Previous indicator is NULL (should be either N or P)
CMC-CCY-034	Next/Previous indicator is Invalid (should be either N or P)
CMC-CCY-035	Lower Limit Date is Invalid (should be in yyyy-mm-dd format)
CMC-CCY-036	Upper Limit Date is Invalid (should be in yyyy-mm-dd format)
CMC-CCY-037	Offset is NULL
CMC-CCY-038	Offset is Invalid (should be > 0)

Error Codes	Messages
CMC-CCY-039	Input date should be between Upper limit date and Lower limit date
CMC-CCY-040	Duplicate records exists in CurrencyHolidays
CMC-CCY-041	Mandatory Through Currency Code is not entered
CMC-CCY-042	Cannot change spread definition option for through currency pair
CMC-CCY-043	Through currency should be blank if the through currency is unchecked
CMC-CCY-044	Through currency has to be of type Euro
CMC-CCY-045	Through Currency is not allowed for Euro In Currency Pair
CMC-CCY-046	Points multiplier should be in the range 0 - 1
CMC-CCY-047	MidRate is invalid
CMC-CCY-048	BuySpread is invalid
CMC-CCY-049	SaleSpread is invalid
CMC-CCY-050	Atleast one Currency Rate Should be Maintained
CMC-CCY-051	Duplicate records exists in Rate
CMC-CCY-052	Currency Code is NULL
CMC-CCY-053	Currency Code is Empty
CMC-CCY-054	Amount is NULL
CMC-CCY-055	Option is NULL
CMC-CCY-056	Option is Empty
CMC-CCY-057	Method is NULL
CMC-CCY-058	Method is Empty
CMC-CCY-059	Decimal is NULL
CMC-CCY-060	Units is NULL

Error Codes	Messages
CMC-CCY-061	Maintenance Country is NULL
CMC-CCY-062	Maintenance Country is Empty
CMC-CCY-063	Currency1/Currency2/branch Code is NULL
CMC-CCY-065	Error in conversion
CMC-CCY-066	Rate is not handled for currency1 and currency2
CMC-CCY-067	Rate is not handled for currency2 and currency1
CMC-CCY-068	Error in Amount rounding
CMC-CCY-069	Currency definition is not maintained for given currency and maintenance country
CMC-CCY-070	Error in getting branch currency and country
CMC-CCY-071	Error in getting currency pair for currency1 and currency2
CMC-CCY-072	Error in getting Premium points for currency1 and currency2
CMC-CCY-073	Error in getting rate with through currency
CMC-CCY-074	Error in getting Rate
CMC-CCY-075	Rate History is not handled for currency1 and currency2
CMC-CCY-076	Rate History is not handled for currency2 and currency1
CMC-CCY-077	Currency Pair is not maintained
CMC-CCY-078	Error in purging
CMC-CCY-079	Data inadequate in currency Pair Definition
CMC-CCY-080	Currency Pair already exists for the given Maintenance Country
CMC-CCY-081	MidRate is mandatory
CMC-CCY-082	Either buySpread/buyRate are mandatory
CMC-CCY-083	Either saleSpread/saleRate are mandatory

Error Codes	Messages
CMC-CUS-FOR01	Record successfully deleted
CMC-CUS-PII01	User doesnt have access to PII data, cannot perform create or modify operations
CMC-EOD-001	Invoked EOD successfully
CMC-EOD-002	Failed while resolving current date
CMC-EOD-003	EOD flow is not maintained for \$1 branch
CMC-EOD-004	EOD already invoked for today
CMC-EOD-005	Unable to invoke EOD
CMC-EOD-006	Retried EOD successfully
CMC-EOD-007	Failed to retry EOD
CMC-EOD-008	Pending maintenances exist. Failed to start EOD
CMC-EOD-009	Failed during pending maintenance check
CMC-EOD-010	Pending transactions exist. Failed to start EOD
CMC-EOD-011	Failed during pending transaction check
CMC-EOD-012	Marked cutoff for the branch successfully
CMC-EOD-013	Branch not in Transaction Input. Cannot mark cutoff
CMC-EOD-014	Branch not in BOD stage. Cannot release cutoff
CMC-EOD-015	Released cutoff for the branch successfully
CMC-EOD-016	Branch cutoff not released. Cannot mark Transaction Input
CMC-EOD-017	Branch cutoff not marked. Cannot mark End of Transaction Input
CMC-FORC-001	Request is null, not valid.
CMC-FORC-002	Forget customers request created successfully.
CMC-FORC-003	Failed to create forget entities request.



Error Codes	Messages
CMC-FORC-004	Invalid id sent, id null
CMC-FORC-005	Already authorized
CMC-FORC-006	Authorized successfully
CMC-FORC-007	Record not found, invalid id.
CMC-FORC-008	Cannot delete authorized record
CMC-FORC-009	Record successfully deleted
CMC-FORC-010	Invalid Customer \$1 added, customer should be valid and in closed and authorized state without pending maintenance
CMC-FORC-011	Invalid request. Duplicate requests for customer number \$1
CMC-INDBML-001	Usecase already exists with a same name
CMC-INDBML-002	Target Column cannot be null
CMC-INDBML-003	Unique Case Identifier Column cannot be null
CMC-INDBML-004	Invalid Partition column value
CMC-INDBML-005	Duplicate Column Values
CMC-INDBML-006	Partition Columns cannot be same as either of target, usecase identifier or prediction column.
CMC-LOV-001	Invalid Source Code
CMC-LOV-002	Invalid Currency
CMC-LOV-003	Cannot Close the record for which rates are maintained
CMC-LOV-004	Invalid Language Code
CMC-LOV-005	Invalid Country
CMC-LOV-006	Invalid GLCode
CMC-LOV-007	Invalid Limit Currency
CMC-LOV-008	Invalid Year

Error Codes	Messages
CMC-LOV-009	Invalid Month
CMC-LOV-010	Amount Limit Exceeds
CMC-LOV-011	Invalid Version
CMC-LOV-012	Rate Type \$1 is invalid
CMC-NLP-000	System is unable to process the request
CMC-NLP-001	Training File created successfully
CMC-NLP-002	Training File creation failed
CMC-NLP-003	Service definition not found for \$1 for use case \$2
CMC-NLP-004	Unsupported file type uploaded please upload supported file type
CMC-NLP-005	You don't have sufficient number of training files for use case \$1 to train the model
CMC-NLP-006	Invalid training files are present in the training corpus
CMC-NLP-007	Error in processing step \$1
CMC-NLP-008	Successfully completed the processing of process \$1
CMC-OB RH-001	Record already exists.
CMC-OB RH-002	Record saved successfully.
CMC-OB RH-003	Record does not exist.
CMC-OB RH-004	Invalid Payload
CMC-OB RH-005	Record deleted successfully.
CMC-OB RH-006	Record modified successfully.
CMC-OB RH-007	Data fetched successfully.
CMC-OB RH-008	Data exported successfully.
CMC-OB RH-009	Failed to get data.

Error Codes	Messages
CMC-OB RH-010	Cannot start disabled route.
CMC-OB RH-011	Data imported successfully.
CMC-OB RH-012	Failed to import.
CMC-OB RH-013	Failed to parse [\$1]
CMC-OB RH-014	Data extracted successfully.
CMC-OB RH-015	Route state cannot be changed to Start as Consumer Service / Provider is inactive.
CMC-OB RH-016	Modified/Deleted attribute is already in use by route.
CMC-OB RH-017	Something went wrong!
CMC-OB RH-018	Imported WSDL successfully
CMC-OB RH-019	Imported Swagger successfully
CMC-OB RH-020	Failed to import [\$1]
CMC-OB RH-021	Failed to export [\$1]
CMC-OB RH-022	Request failed [\$1]
CMC-OB RH-023	Request is being processed
CMC-OR CH-001	Failed to initiate.
CMC-OR CH-002	Transaction is successfully initiated.
CMC-OR CH-003	Invalid action, failed to initiate.
CMC-OR CH-004	\$1 is not submitted, transaction remains the same.
CMC-OR CH-005	Cannot proceed with submit as the action is not initiated.
CMC-OR CH-006	Cannot proceed with submit as the information is incomplete.
CMC-OR CH-007	Failed to submit.
CMC-OR CH-008	Record successfully submitted.

Error Codes	Messages
CMC-ORCH-009	\$1 is in-progress, failed to initiate.
CMC-ORCH-010	Aw, snap! An unexpected exception occurred, try again.
CMC-ORCH-011	Invalid request.
CMC-ORCH-012	Cannot proceed with submit as the action is not initiated.
CMC-ORCH-013	Cannot find the provided information.
CMC-ORCH-014	Record is not yet submitted by \$1, cannot initiate the action.
CMC-ORCH-015	Record already unlocked by \$1.
CMC-ORCH-016	One record can be authorized at a time. Please close the screen and try again
CMC-ORCH-017	Current operation terminated
CMC-ORCH-018	Current operation could not be terminated
CMC-OV-001	Override Codes must not be empty
CMC-OV-002	Business Overrides Saved Successfully
CMC-OV-003	Business Overrides Updated Successfully
CMC-OV-004	Business Overrides Authorized Successfully
CMC-OV-005	Business Overrides Approval Pending
CMC-OV-006	Maker Cannot Authorize
CMC-OV-007	Multiple Authorizations not allowed for checker
CMC-OV-008	No Records found for approval
CMC-OV-009	Maker should approve the records
CMC-OV-010	Reference number is not valid
CMC-OV-011	Exception Occurred while converting string to number
CMC-OV-012	Server Error Occurred during API call

Error Codes	Messages
CMC-OV-013	Client Error Occurred during API call
CMC-OV-014	Illegal State Exception Occurred
CMC-OV-015	JTA Transaction unexpectedly rolled back
CMC-OV-016	Exception Occurred while creating Bean
CMC-OV-017	Unexpected Exception Occurred
CMC-OV-018	Exception Occurred while Executing Query
CMC-STR-001	mandatory fields are missing...
CMC-STR-002	invalid real account number
CMC-STR-003	Real Account No cannot be modified
CMC-STR-004	Structured Address is already created for this Real Account
CMC-STR-005	Structured Address is already created for this External Virtual Account
CMC-STR-006	invalid virtual account number
CMC-STR-007	Virtual Account No cannot be modified
CMC-VAM-001	Rolled Back Due to Exception
ERR_DEF_CODE	System is unable to process the request
GCS-AUTH-01	Record Successfully Authorized
GCS-AUTH-02	Valid modifications for approval were not sent. Failed to match
GCS-AUTH-03	Maker cannot authorize
GCS-AUTH-04	No Valid unauthroized modifications found for approval.
GCS-CLOS-002	Record Successfully Closed
GCS-CLOS-01	Record Already Closed
GCS-CLOS-02	Record Successfully Closed

Error Codes	Messages
GCS-CLOS-03	Unauthorized record cannot be closed, it can be deleted before first authorization
GCS-COM-001	Record does not exist
GCS-COM-002	Invalid version sent, operation can be performed only on latest version
GCS-COM-003	Please Send Proper ModNo
GCS-COM-004	Please send makerId in the request
GCS-COM-005	Request is Null. Please Resend with Proper SELECT
GCS-COM-006	Unable to parse JSON
GCS-COM-007	Request Successfully Processed
GCS-COM-008	Modifications should be consecutive.
GCS-COM-009	Resource ID cannot be blank or "null".
GCS-COM-010	Successfully cancelled \$1.
GCS-COM-011	\$1 failed to update.
GCS-DEL-001	Record deleted successfully
GCS-DEL-002	Record(s) deleted successfully
GCS-DEL-003	Modifications didnt match valid unauthorized modifications that can be deleted for this record
GCS-DEL-004	Send all unauthorized modifications to be deleted for record that is not authorized even once.
GCS-DEL-005	Only Maker of first version of record can delete modifications of record that is not once authorized.
GCS-DEL-006	No valid unauthroized modifications found for deleting
GCS-DEL-007	Failed to delete. Only maker of the modification(s) can delete.
GCS-MOD-001	Closed Record cannot be modified

Error Codes	Messages
GCS-MOD-002	Record Successfully Modified
GCS-MOD-003	Record marked for close, cannot modify.
GCS-MOD-004	Only maker of the record can modify before once auth
GCS-MOD-005	Not amendable field, cannot modify
GCS-MOD-006	Natural Key cannot be modified
GCS-MOD-007	Only the maker can modify the pending records.
GCS-REOP-003	Successfully Reopened
GCS-REOP-01	Unauthorized Record cannot be Reopened
GCS-REOP-02	Failed to Reopen the Record, cannot reopen Open records
GCS-REOP-03	Successfully Reopened
GCS-REOP-04	Unauthorized record cannot be reopened, record should be closed and authorized
GCS-SAV-001	Record already exists
GCS-SAV-002	Record Saved Successfully.
GCS-SAV-003	The record is saved and validated successfully.
GCS-VAL-001	The record is successfully validated.
ML-RG-001	Regression Model Build Failed
ML-RG-002	Regression Model Statistics Calculation Failed
ML-RG-003	Cross Validation Failed
ML-RG-004	Model Selection Failed
ML-RG-005	Model Successfully Trained
ML-RG-006	Invalid Use Case Selected
ML-RG-007	No Trained Model found

Error Codes	Messages
ML-RG-008	Batch Scoring Failed
ML-RG-009	Successfully completed Batch scoring
ML-UTIL-003	Failed in Random Sampling
ML-UTIL-004	Too less data for model building
ML-UTIL-005	Failed in Splitting Data
ML-UTIL-006	Failed in Selecting Feature
ML-UTIL-007	Failed to Drop Model(s)
ST-CUS-167	Record already exist for customer no and source_system_cust_no combination
ST-SAVE-027	Request Successfully Processed



## 5 Glossary

This section provides a glossary of all terms and abbreviations used in the user manual.

### **Accounts**

Continuing financial relationship between a bank and a customer, in which deposits and debts are held and processed within a framework of established rules and procedures.

### **Reports**

A page containing information organized in a narrative, graphic, or tabular format, prepared on ad-hoc, periodic, recurring, regular, or as required basis. Reports may refer to specific periods, events, occurrences, or subjects.

### **Pareto Chart**

It is a type of chart that consists of both bars and a line graph, where individual values are represented in descending order by bars, and the cumulative total is represented by the line.

### **Sunburst Chart**

It is a type of chart that is ideal for displaying hierarchical data. Each level of the hierarchy is represented by one ring or circle with the innermost circle as the top of the hierarchy. A sunburst chart without any hierarchical data (one level of categories), looks similar to a doughnut chart.

### **Virtual Account**

Virtual accounts are provided to a corporate by its banking partner. Each account is a subsidiary or sub-account of the client's own physical account with the bank; they cannot exist outside of the immediate relationship, hence they are virtual.

### **Virtual Identifier**

Virtual identifier serves to segregate any funds from any other funds in the same main account and yet is inextricably linked to the virtual account.

## 6 List of Menus

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## 7 Reference and Feedback

This section contains following subsections:

- [5.1 References](#)
- [5.2 Documentation Accessibility](#)
- [5.3 Feedback and Support](#)

### 7.1 References

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

- Security Management System User Guide
- Getting Started User Guide

### 7.2 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>.

### 7.3 Feedback and Support

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