

Common Core User Guide

Oracle Banking Branch

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Common Core User Guide

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Contents

1	Preface	1
1.1	Introduction	1
1.2	Audience	1
1.3	Document Accessibility	1
1.4	Acronyms and Abbreviations	1
1.5	List of Topics	1
1.6	Related Documents	1
1.7	Symbols	2
2	Core Maintenance	3
2.1	Advice	4
2.1.1	Advice Summary	4
2.1.2	Advice Maintenance	6
2.2	Amount Text Language	8
2.2.1	Amount Text Language Summary	8
2.2.2	Amount Text Language Maintenance	9
2.3	BIC Directory	11
2.3.1	BIC Directory Summary	11
2.3.2	BIC Directory Maintenance	12
2.4	Branch EOD	15
2.4.1	Branch EOD Maintenance	15
2.5	Country Code	17
2.5.1	Country Code Summary	17
2.5.2	Country Code Maintenance	18
2.6	Currency Definition	20
2.6.1	Currency Definition Summary	20
2.6.2	Currency Definition Maintenance	22
2.7	Currency Exchange Rate	26
2.7.1	Currency Exchange Rate Summary	26
2.7.2	Currency Exchange Rate Maintenance	28
2.8	Currency Holiday Master	30
2.8.1	Currency Holiday Master Summary	30
2.8.2	Currency Holiday Master Maintenance	32
2.9	Currency Pair Definition	33
2.9.1	Currency Pair Definition Summary	33
2.9.2	Currency Pair Definition Maintenance	35
2.10	Currency Rate Type	37
2.10.1	Currency Rate Type Summary	37

2.10.2	Currency Rate Type Maintenance.....	38
2.11	Customer Category	39
2.11.1	Customer Category Summary.....	39
2.11.2	Customer Category Maintenance.....	40
2.12	ECA System	41
2.12.1	ECA System Summary	41
2.12.2	ECA System Maintenance	42
2.13	External Bank Parameters.....	43
2.13.1	External Bank Parameters Summary	43
2.13.2	External Bank Parameters Maintenance	44
2.14	External Branch Parameters	46
2.14.1	External Branch Parameters Summary	46
2.14.2	External Branch Parameters Maintenance	48
2.15	External Chart Account	50
2.15.1	External Chart Account Summary	50
2.15.2	External Chart Account Maintenance	51
2.16	External Customer	53
2.16.1	External Customer Summary	53
2.16.2	External Customer Maintenance	55
2.17	External Customer Account.....	57
2.17.1	External Customer Account Summary	57
2.17.2	External Customer Account Maintenance	58
2.18	External Customer Account Structured Address	61
2.18.1	View External Customer Account Structured Address.....	61
2.18.2	Create External Customer Account Structured Address.....	62
2.19	External Virtual Account Structured Address.....	64
2.19.1	View External Virtual Account Structured Address.....	64
2.20	Forget Process.....	65
2.20.1	Forgotten Customers Summary	65
2.20.2	Forget Customer Maintenance.....	66
2.21	Host Code.....	67
2.21.1	Host Code Summary.....	67
2.21.2	Host Code Maintenance.....	68
2.22	Language Code.....	69
2.22.1	Language Code Summary	69
2.22.2	Language Code Maintenance	70
2.23	Local Holiday	71
2.23.1	Local Holiday Summary	71
2.23.2	Local Holidays Maintenance	72

2.24	Media.....	73
2.24.1	Media Summary.....	73
2.24.2	Media Maintenance.....	74
2.25	Process Code	76
2.25.1	View Process Code.....	76
2.25.2	Process Code Maintenance	77
2.26	System Dates.....	79
2.26.1	System Dates Summary	79
2.27	Transaction Code.....	80
2.27.1	Transaction Code Summary	80
2.27.2	Transaction Code Maintenance	81
2.28	Upload Source	82
2.28.1	Upload Source Summary.....	82
2.28.2	Upload Source Maintenance.....	83
2.29	Upload Source Preference	84
2.29.1	Upload Source Preference Summary.....	84
2.29.2	Upload Source Preference Maintenance.....	85
2.30	Pricing Source System.....	87
2.30.1	Pricing Source System Summary.....	87
2.30.2	Pricing Source System Maintenance	89
3	NLP Framework	90
3.1	Toolkit.....	91
3.1.1	Use Case Definition	91
3.1.2	Use Case Definition Summary	92
3.1.3	Use Case Definition Maintenance	93
3.1.4	Annotator	94
3.1.5	Model Training.....	99
3.1.6	Model Management	101
3.2	Operation.....	104
3.2.1	Document Upload	104
3.2.2	Transaction Log	105
3.3	3P Service Integration.....	109
3.3.1	Classification Training Service	109
3.3.2	NER Training Service	111
3.3.3	Classification Processing Service	113
3.3.4	NER Processing Service.....	114
3.3.5	Service Mapping	116
3.3.6	Business Service Mapping.....	118

4	Glossary	120
5	List of Menus	121
6	Reference and Feedback.....	122
6.1	References	122
6.2	Documentation Accessibility	122
6.3	Feedback and Support	122

1 Preface

1.1 Introduction

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

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
Core Maintenance	This topic describes about Core Maintenance module.
NLP Framework	This topic describes about NLP Framework.
List of Glossary	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](#)
- [2.8 Currency Holiday Master](#)
- [2.9 Currency Pair Definition](#)
- [2.10 Currency Rate Type](#)
- [2.11 Customer Category](#)
- [2.12 ECA System](#)
- [2.13 External Bank Parameters](#)
- [2.14 External Branch Parameters](#)
- [2.15 External Chart Account](#)
- [2.16 External Customer](#)
- [2.17 External Customer Account](#)
- [2.18 External Customer Account Structured Address](#)
- [2.19 External Virtual Account Structured Address](#)
- [2.20 Forget Process](#)
- [2.21 Host Code](#)
- [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](#)

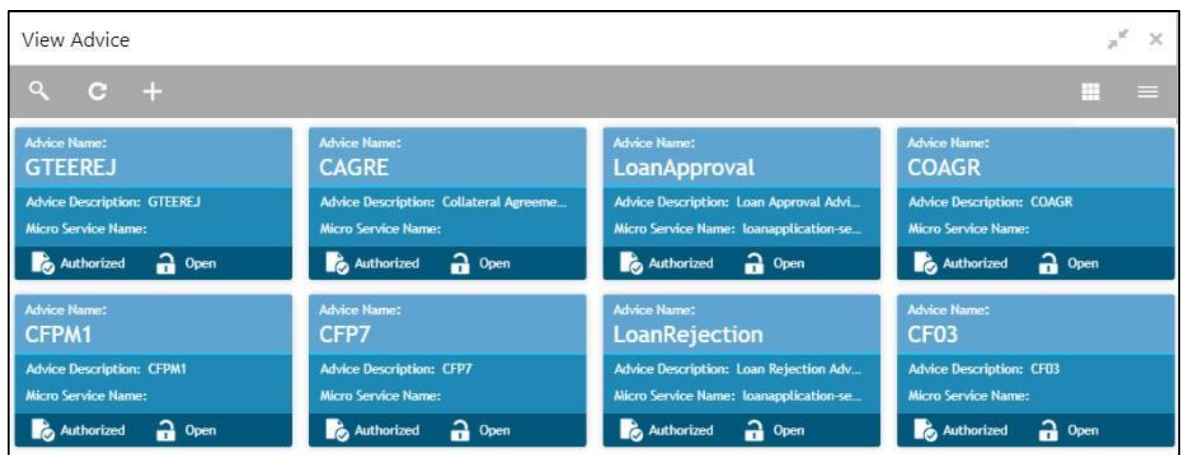
2.1.1 Advice Summary

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

Field	Description
Advice Name	Displays the name of the advice.

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

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

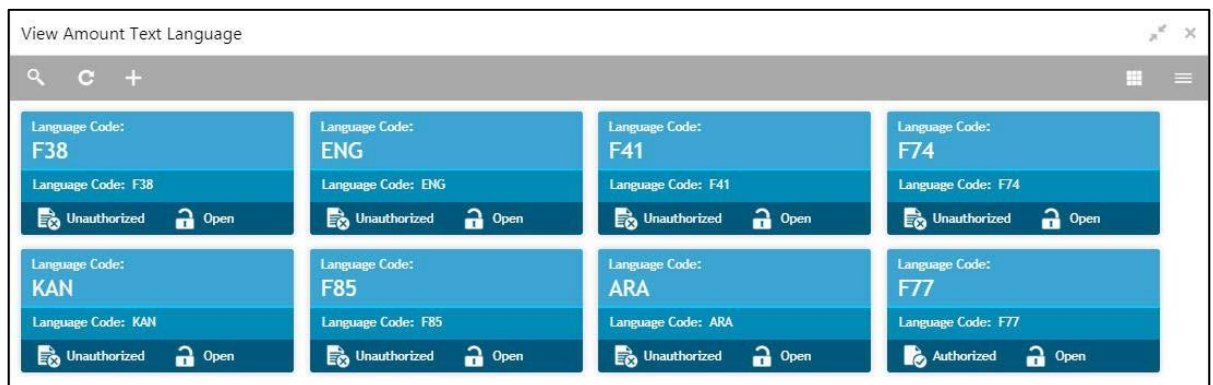
2.2.1 Amount Text Language Summary

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
Language Code	Displays the language code associated with the amount word.
Status	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
Language Code	Search and select the required language code.
Amount Word Currency List	Specify the amount word currency details.
CCY Symbol	Specify the CCY symbols.

Field	Description
Decimals As Fraction	Select a decimals as fraction value from the drop-down list.
Final Text	Specify the final text for the amount word currency list.
CCY	Search and select the CCY.
Post Decimal	Specify the post decimal details.
Pre Decimal	Specify the pre decimal details.
Text Before	Select an option for the before text.
Text Between	Specify the text that must appear between the amount word currency list.
Amount Word Text List	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.
Amount	Select the amount details.
One Flag	Select an option for the amount word text list.
Text	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](#)

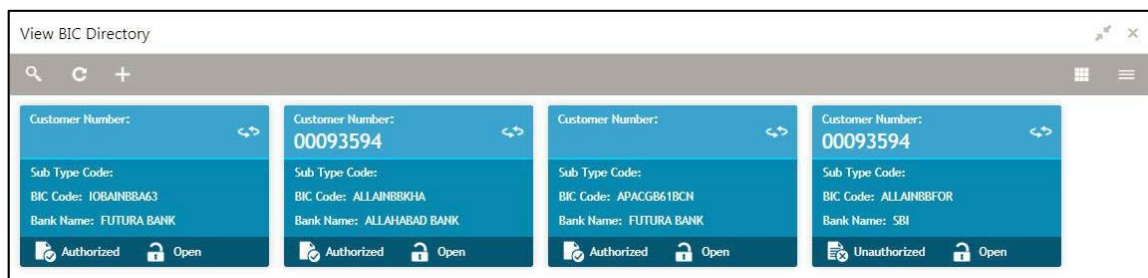
2.3.1 BIC Directory Summary

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
Customer Number	Displays the number of the customer.
Sub-type Code	Displays the sub-type code associated with the customer number.
BIC Code	Displays the defined BIC code for the associated customer
Bank Name	Displays the name of the bank.
Status	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
BIC Code	Specify the unique BIC Code by which the bank is identified by SWIFT.
Bank Name	Specify the name for the bank.
Customer Number	Search and select the required customer number.
Customer Name	Based on the Customer Number selected, the information is auto-populated.
Bank Address 1-3	Based on the Customer Number selected, the information is auto-populated.
SWIFT Key	Specify the swift key details.
Telex Key	Specify the unique telex key for the BIC directory.

Field	Description
SWIFT Key Arrangement	Select the SWIFT key arrangement from the drop-down list.
Relationship	Select one of the following options: <ul style="list-style-type: none"> No: If selected, indicates that the BIC Entity is not a customer of your bank 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. 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.
Sub-type Code	Search and select the required sub-type code.
BEI Indicator	Based on the Sub-type Code selected, the information is auto-populated.
ADB Member	Select the ADB member from the drop-down list.
Payment Message	Specify the payment message details.
MT103+ Preferred	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.
Blacklisted	By default, this is disabled. If selected, indicates the BIC entity is blacklisted.
CUG Member	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.
Update During Upload	By default, this is disabled. If selected, updated the BIC directory during an upload.
Multi-Customer Credit Transfer	Specify the Multi-Customer Credit Transfer details.
Multi-Customer Credit Transfer	By default, this is disabled. If selected, indicates multiple credit transfer feature [MT102 support] exists between the bank and the BIC entity.

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

4. 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 'OBLM TEST BRANCH', and 'Current Branch Date' with the value '2018-12-01'. Below these fields are three buttons: 'Start', 'Retry', and 'Reset'. Underneath 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 28, 2020 00:16:36	Dec 28, 2020 00:16:36	FAILED	IC batch failed
EOD	POOL	Dec 28, 2020 00:16:27	Dec 28, 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
Branch Code	Displays the branch code that is associated with the logged in user.
Description	Displays the description of the branch.
Current Branch Date	Displays the logged in application date.
Start	Click Start to initiate EOD for a branch.
Retry	Click Retry to retrigger the last failed EOD task.
Reset	Click Reset to reset all the configured details to current application's configured details.
View End of Cycle Processes	Specifies the list of EOD processes.
Refresh	Click Refresh to view the latest status of EOD tasks.
Stage	Displays the stage of EOD. A stage can have multiple tasks.
Batch Task	Displays the task name of the relevant stage.
Start Time	Displays the start time of batch task.
End Time	Displays the end time of batch task.
Status	Based on the operation performed the status is updated.
Error Code	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](#)

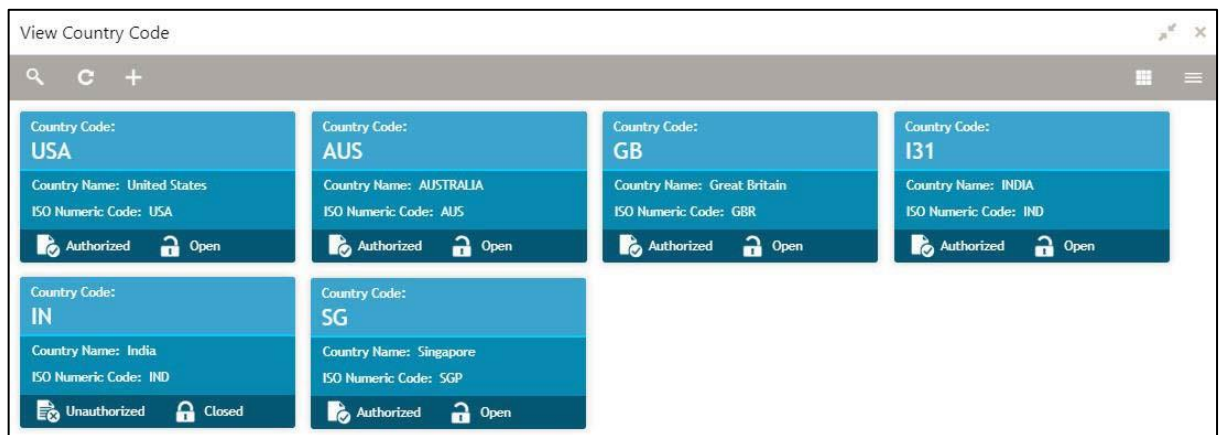
2.5.1 Country Code Summary

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
Country Code	Displays the country code details.
Country Name	Displays the name of the country.
ISO Numeric Code	Displays the ISO numeric code details of the country code.
Status	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
Country Code	Specify the country code.
Country Name	Specify the name of the country.
Alternate Country Code	Specify the alternate country code.
Region Code	Specify the region code.
ISO Country Code	Specify the ISO country code.
ISO Code	Specify the ISO code.
Limit Currency	Specify the limit currency.
Overall Limit	Specify the overall limit.

Field	Description
Blacklist	By default, this is disabled. If selected, indicates the country is blacklisted.
EU Member	By default, this is disabled. If selected, indicates the country is recognized by Swift as a part of the Intra European countries.
Generate 205	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.
IBAN Check Required	By default, this is disabled. If selected, indicates check required for an IBAN is mandatory.
BIC Clearing Code	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.
Intra European	By default, this is disabled. If selected, indicates the country is an intra European country.

4. 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](#)

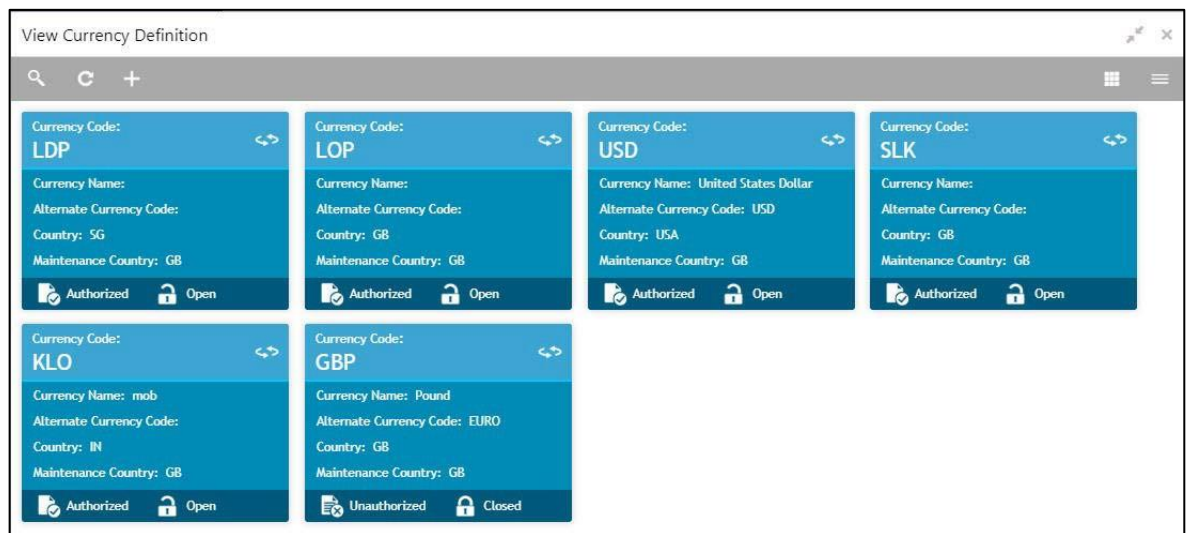
2.6.1 Currency Definition Summary

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
Currency Code	Displays the code of the currency.
Currency Name	Displays the name of the currency.

Field	Description
Alternate Currency Code	Displays the code of the alternate currency.
Country	Displays the country associated with the currency.
Maintenance Country	Displays the maintenance country.
Status	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



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

Field	Description
CLS Currency	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.
Generate 103+	By default, this is disabled. If selected, generate outgoing MT 103 messages in the MT 103 + format.
Index Flag	By default, this is disabled. If selected, derives index rate of the currency.
Euro Conversion Required	By default, this is disabled. If selected, indicates the Euro conversion is required.
New Cover Message Format Required	By default, this is disabled. If selected, indicates a new cover message format is required.
Validate Tag-50F	By default, this is disabled. If selected, indicates validations must be performed for the 50F details captured for the ordering customer during contract input.
Rounding	Specify the Rounding details of currency.
Currency Round Rule	Select the currency round rule from the dropdown list.
Currency Round Unit	Select the currency round unit.
Currency Format Mask	Specify the currency format mask details.
Currency Format Mask	Select one of the currency format.
Euro Type	Specify the Euro Type details.
Currency Euro Type	Select one of the currency Euro type.
Auto Exchange Rate	Specify the Auto exchange rate details.
Credit Auto Exchange Rate Limit	Specify the credit automatic exchange rate limit.
Debit Auto Exchange Rate Limit	Specify the debit automatic exchange rate limit.

Field	Description
Currency Country Mapping	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.
Country Code	Search and select the required country code.
Country Name	Specify the name of the country.
Currency Code	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

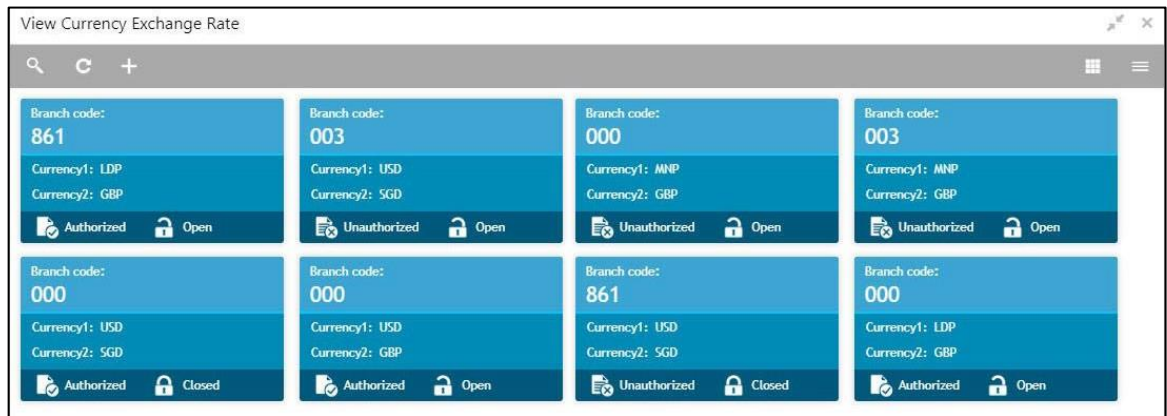
The summary screen provides a list of configured currency exchange rates. You can configure a currency exchange rate using the [Currency Exchange Rate Maintenance](#). To process this screen, perform the following steps:

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
Branch Code	Displays the code of the branch.
Currency 1-2	Displays the currency associated with the branch code
Status	Displays the status of the record.

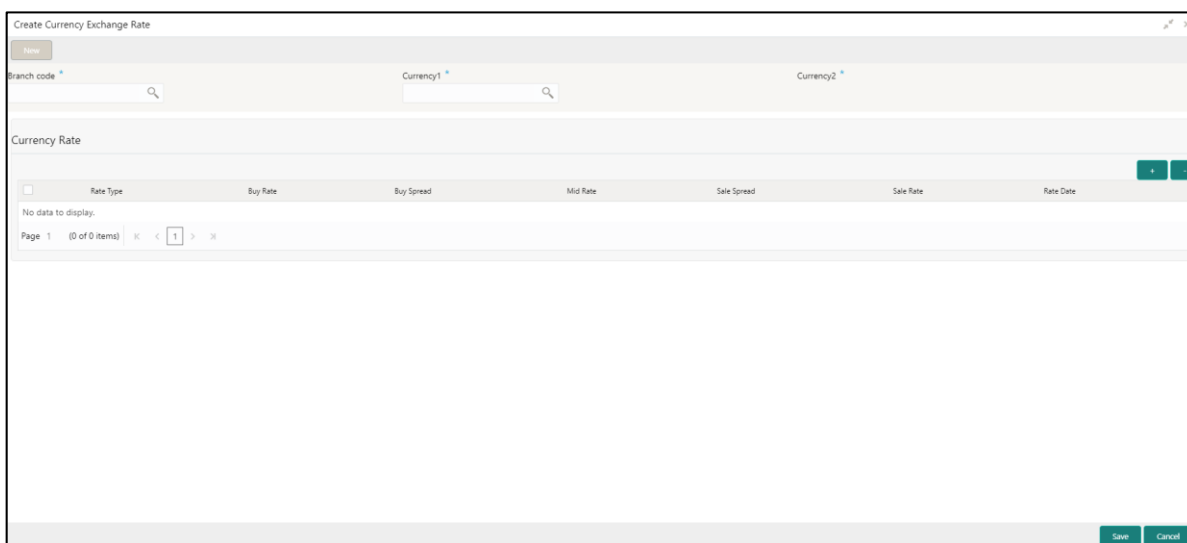
2.7.2 Currency Exchange Rate Maintenance

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
Branch Code	Search and select the required branch code.
Currency 1	Search and select the required currency.
Currency 2	Search and select the required currency.
Currency Rule	Specify the currency rule details.
	Click + icon to add the required details.
	Click - icon to remove the required details.
Rate Type	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.

4. 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](#)

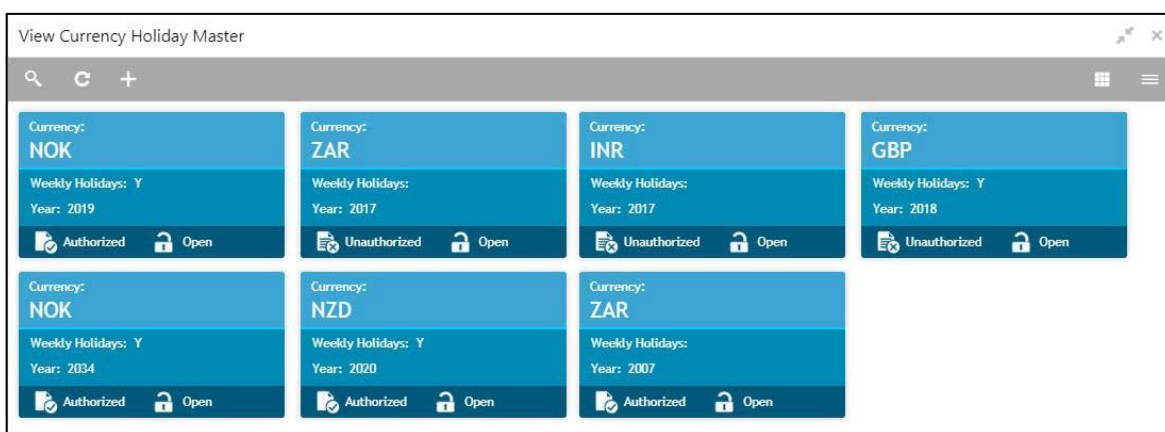
2.8.1 Currency Holiday Master Summary

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

Field	Description
Currency	Displays the currency details.

Field	Description
Weekly Holidays	Displays the weekly holidays associated with the currency.
Status	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
Currency	Search and select the required currency.
Year	Specify the year details.
Weekly Holidays	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](#)

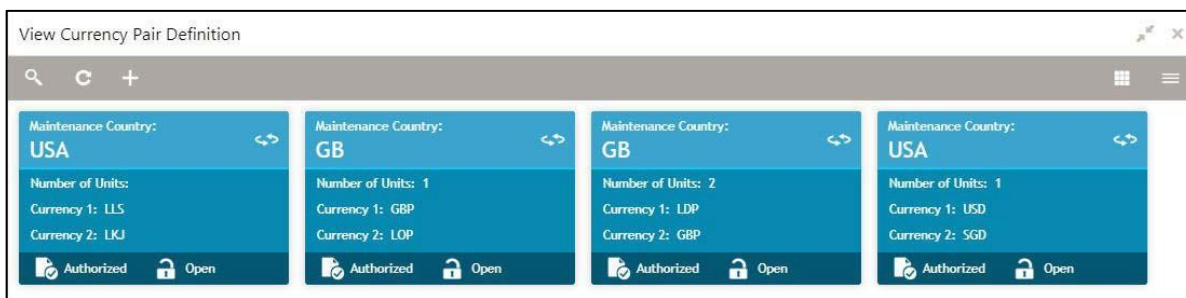
2.9.1 Currency Pair Definition Summary

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

Field	Description
Maintenance Country	Displays the maintenance country details.
Number of Units	Displays the number of units.

Field	Description
Currency 1-2	Displays the currency associated with the country.
Status	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
Currency 1-2	<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>
Maintenance Country	Search and select the required maintenance country.

Field	Description
Check through Currency	By default, this is disabled. If selected, indicates a check through currency.
Through Currency	Search and select the required through currency for which the exchange rate between the currencies must be calculated.
Number of Units	Select one of the number of units.
Points Multiplier	Select the points multiplier.
Quotation	<p>Select one of the required quotation:</p> <ul style="list-style-type: none"> 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 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
Spread Definition	<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"> Percentage: Spread/100 x mid rate Points: Spread x points multiplier <p>The method of spread definition that you specify applies to two instances:</p> <ul style="list-style-type: none"> While maintaining exchange rates for the currency pair While maintaining customer spread for the currency pair

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](#)

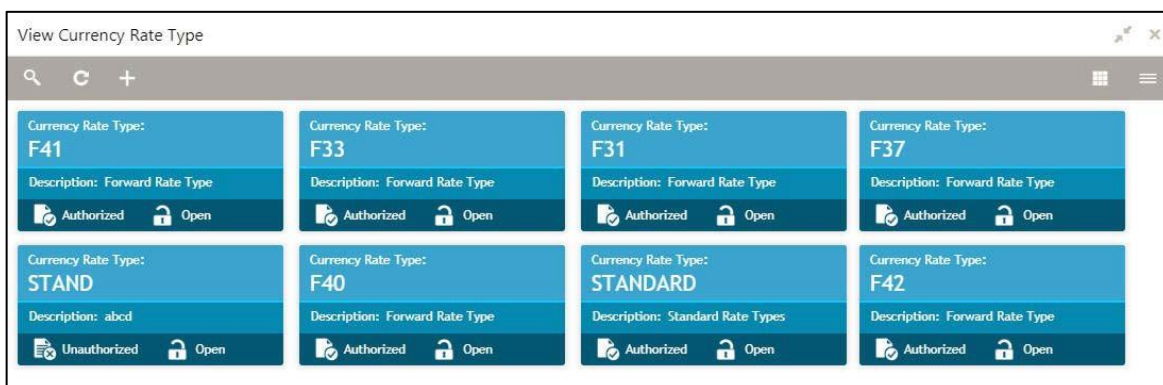
2.10.1 Currency Rate Type Summary

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
Currency Rate Type	Displays the currency rate type.
Description	Displays additional information about the currency rate type.
Status	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
Currency Rate Type	Specify the currency rate type.
Currency Rate Type Description	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](#)

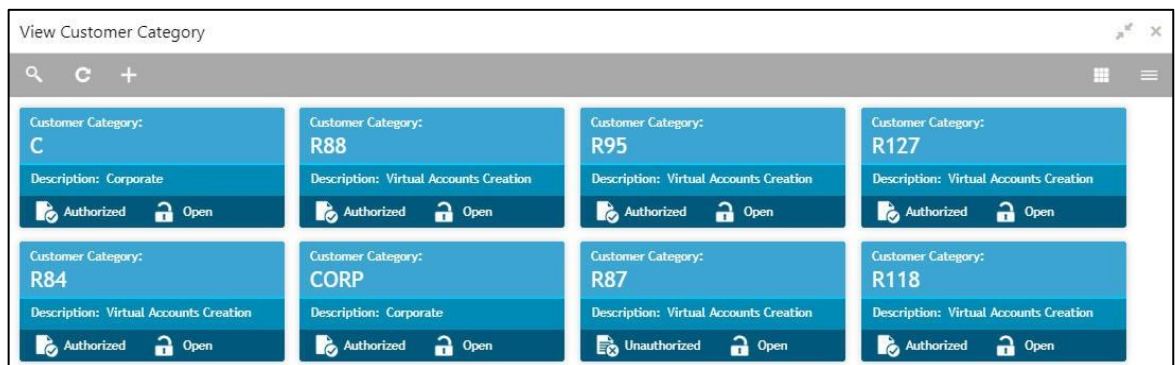
2.11.1 Customer Category Summary

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
Customer Category	Displays the customer category.
Description	Displays additional information about the customer category.
Status	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
Customer Category	Specify the customer category.
Customer Category Description	Specify the additional information about the customer category.
Populate Changes	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](#)

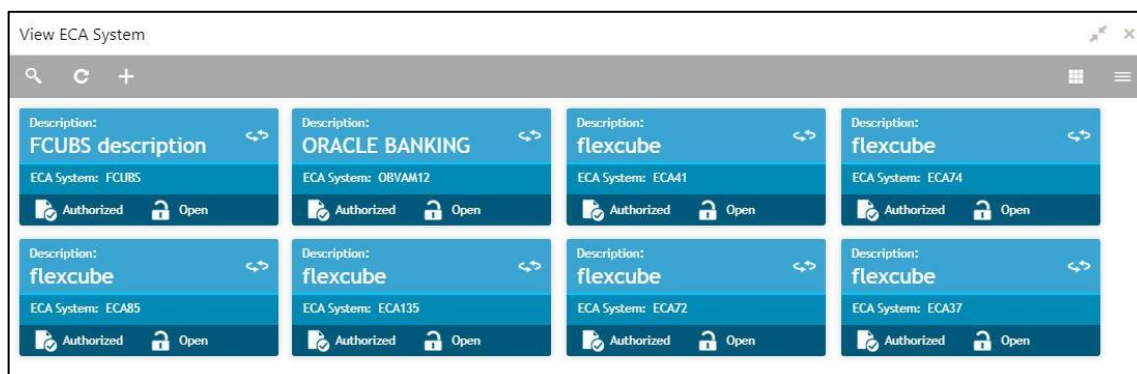
2.12.1 ECA System Summary

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
Source System	Specify the source system.
Description	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](#)

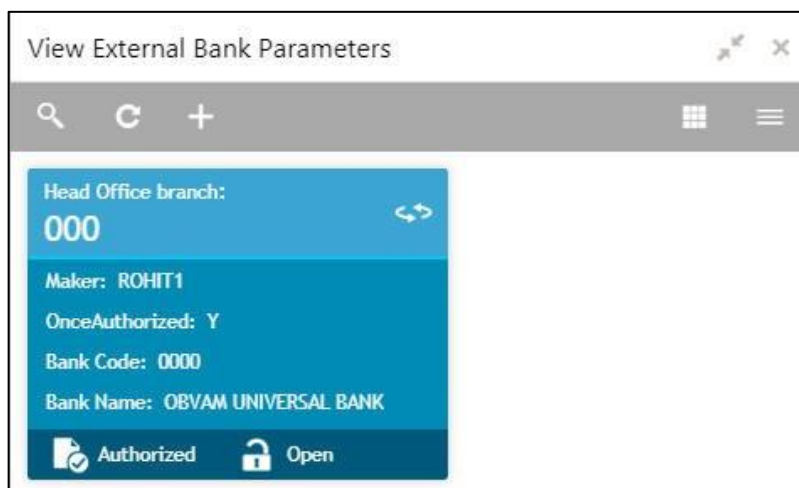
2.13.1 External Bank Parameters Summary

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.

Field	Description
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

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

Field	Description
Bank Code	Specify the code for the bank.
Bank Name	Specify the name of the bank.
Head Office Branch	Search and select the required head office branch.

Field	Description
Branch Description	Based on the Head Office Branch selected, the information is auto-populated.
Number of Days to Forget Customer	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](#)

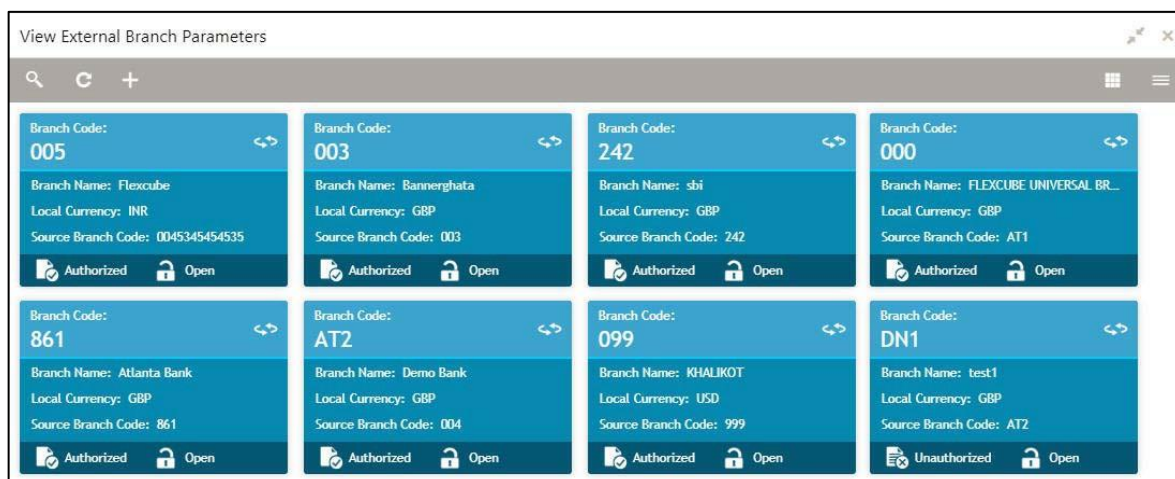
2.14.1 External Branch Parameters Summary

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

Field	Description
Branch Code	Displays the code of the branch associated with the bank.
Branch Name	Displays the name of the branch associated with the bank.
Local Currency	Displays the local currency details.

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

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

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 displays the 'View External Chart Account' interface. It features a search bar, refresh, and add icons at the top. Below is a grid of eight account cards, each containing the following information:

General Ledger Code	Source System	Source System GL Code	Status
200000111	FCUBS	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
General Ledger Code	Displays the code of the general ledger.
Source System	Displays the source system.
Source System GL Code	Displays the GL code of the source system.
Status	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
General Ledger Code	Specify the general ledger code.
General Ledger Description	Specify the additional information about the general ledger.
Source System	Search and select the required source system.
Source System GL Code	Specify the source system GL code.
Category	Select the category from the drop-down list.
Blocked	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](#)

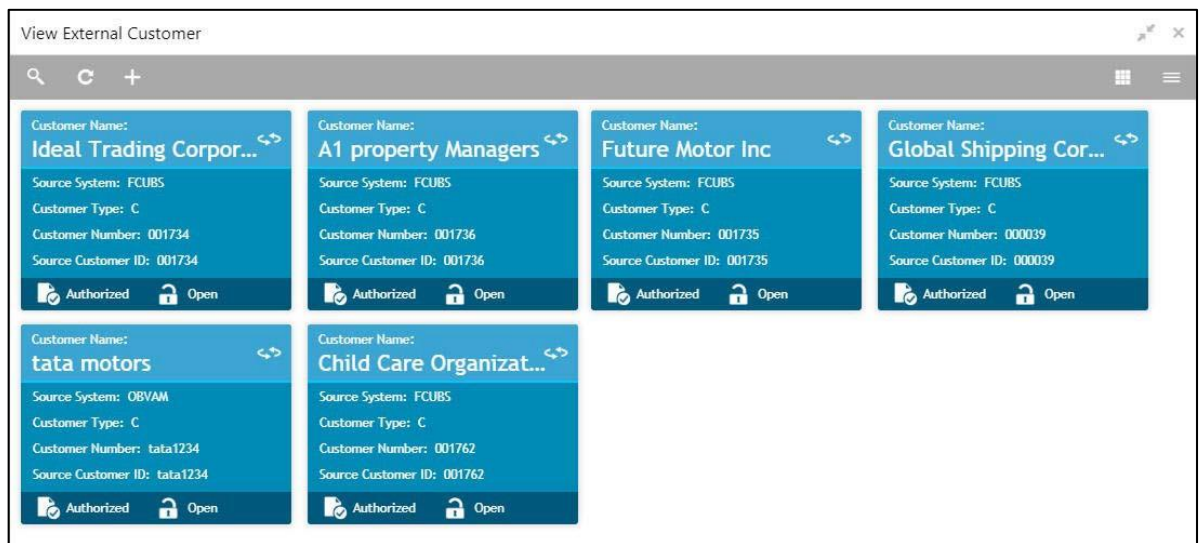
2.16.1 External Customer Summary

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

Field	Description
Customer Name	Displays the name of the customer.
Source System	Displays the source system details.
Customer Type	Displays the type of the customer.
Customer Number	Displays the customer number associated with the customer name.

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

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

The screenshot displays a window titled 'View External Customer Account' with a search bar and navigation icons at the top. Below is a grid of eight account cards, each showing the following fields: Customer Number, Customer Account Number, Account Name, and Status (Authorized/Unauthorized) with an Open lock icon.

Customer Number	Customer Account Number	Account Name	Status
000039	0009	Virtual Account	Authorized
000039	0089	aaaaa	Authorized
2000079	20175175979	Mobeena	Unauthorized
3000085	30175175985	Mobeena	Authorized
3000089	30175175989	Mobeena	Authorized
2000089	0223	ACI89	Authorized
000039	0240	Entity65	Authorized
20000105	201751759...	SACHIN	Authorized

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
Customer Number	Displays the customer number associated with the account name.
Customer Account Number	Displays the customer account number associated with the account name.
Account Name	Displays the name of the account.
Status	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
Account Details	Specify the account details.
Customer Account Number	Specify the customer account number.
Account Name	Specify the name for an account.
Customer Number	Search and select the required customer number.
Customer Name	Based on the Customer Number selected, the information is auto-populated.
Account Currency	Search and select the required account currency.

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

4. 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

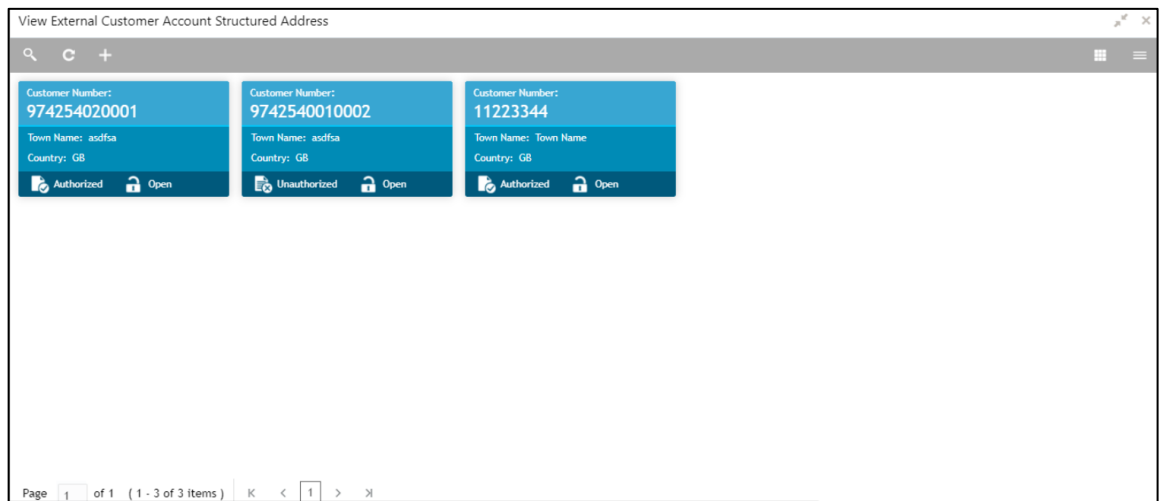
The summary screen provides a list of configured external customer account structured addresses.

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
Customer Number	Displays the customer number.
Town Name	Displays the town name of the customer.
Country	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
Account Details	Specify the account details.
Customer Account	Search and select the required customer account.
Account Name	Specify the name for an account.
Structured Address	Specify the structured address details.
Department	Specify the department.
Sub Department	Search and select the required country.
Street Name	Specify the street name.

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

4. 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](#)

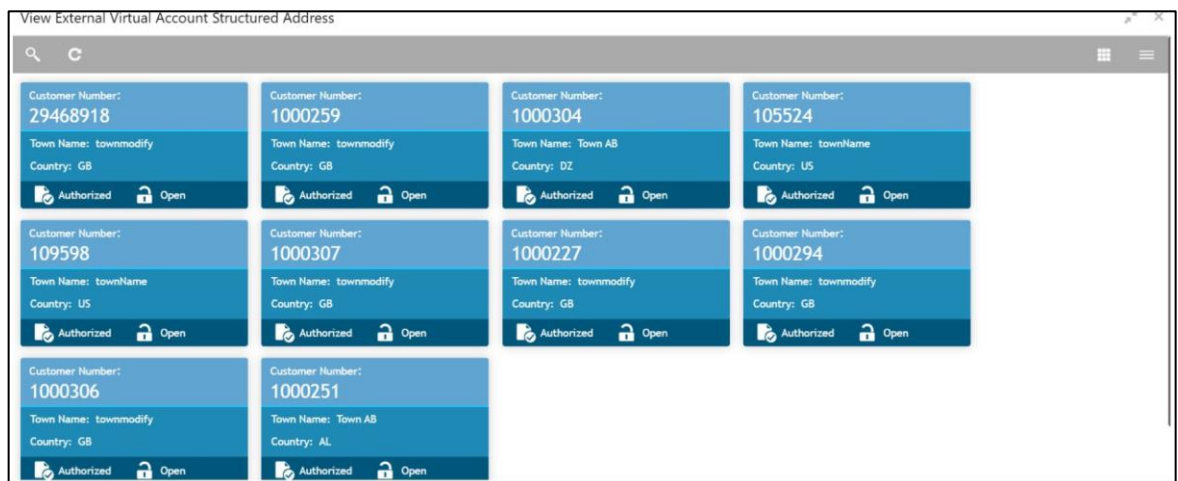
2.19.1 View External Virtual Account Structured Address

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
Customer Number	Displays the customer number.
Town Name	Displays the town name.
Country	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](#)

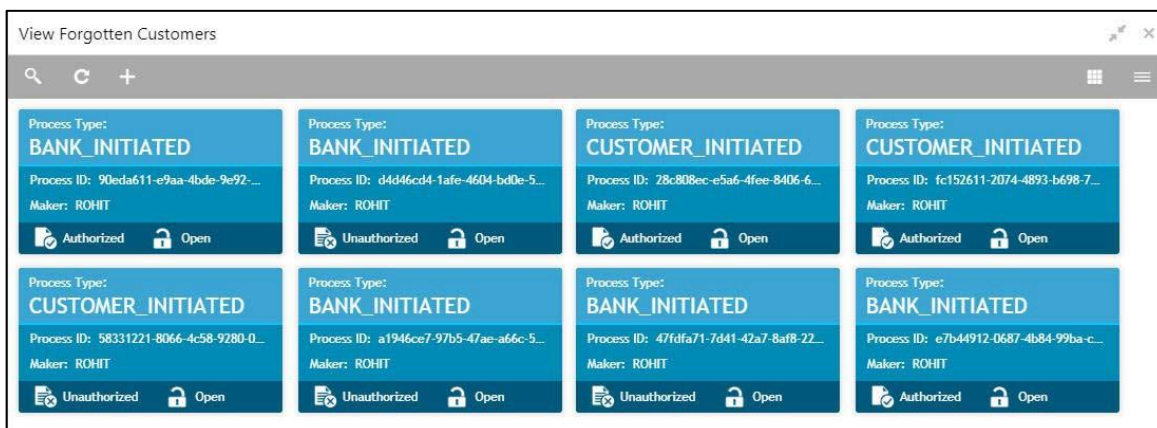
2.20.1 Forgotten Customers Summary

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

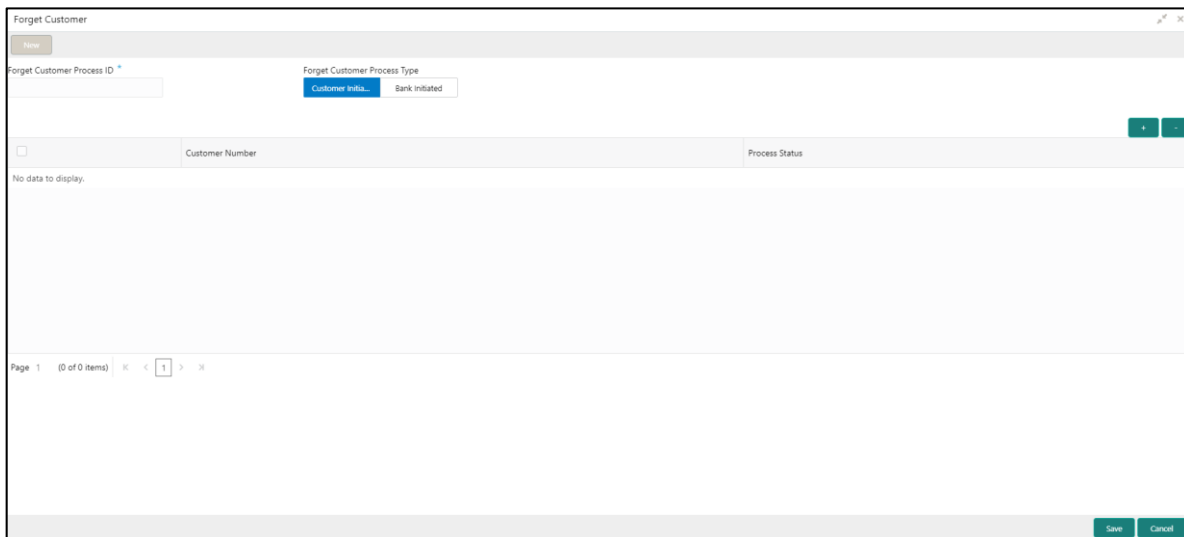
2.20.2 Forget Customer Maintenance

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

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](#)

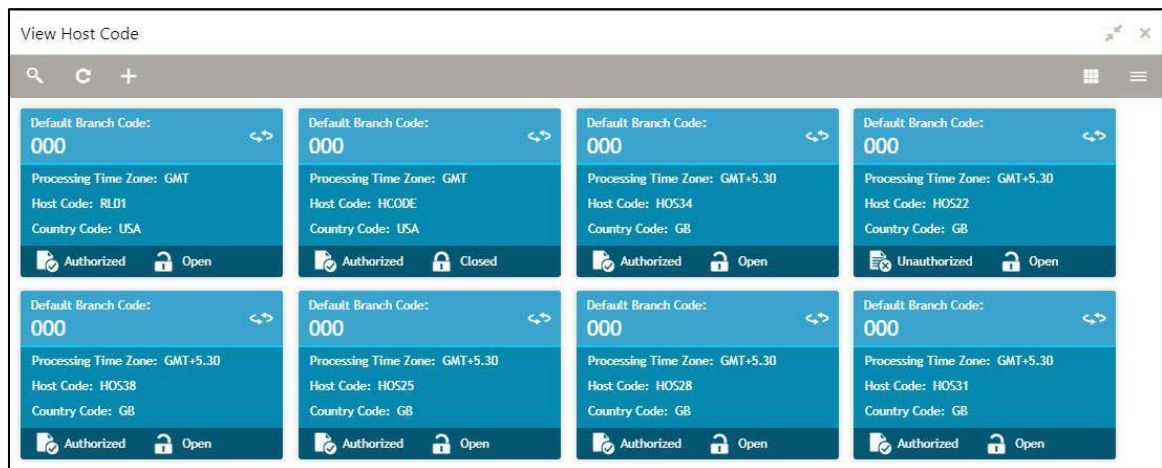
2.21.1 Host Code Summary

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
Default Branch Code	Displays the default branch code associated with the host code.
Processing Time Zone	Displays the processing time zone.
Host Code	Displays the host code details.
Country Code	Displays the country code details.
Status	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
Host Code	Specify the host code details.
Description	Specify the additional information about the host code.
Country Code	Search and select the required country code.
Processing Time Zone	Specify the processing time zone details.
Default Branch Code	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](#)

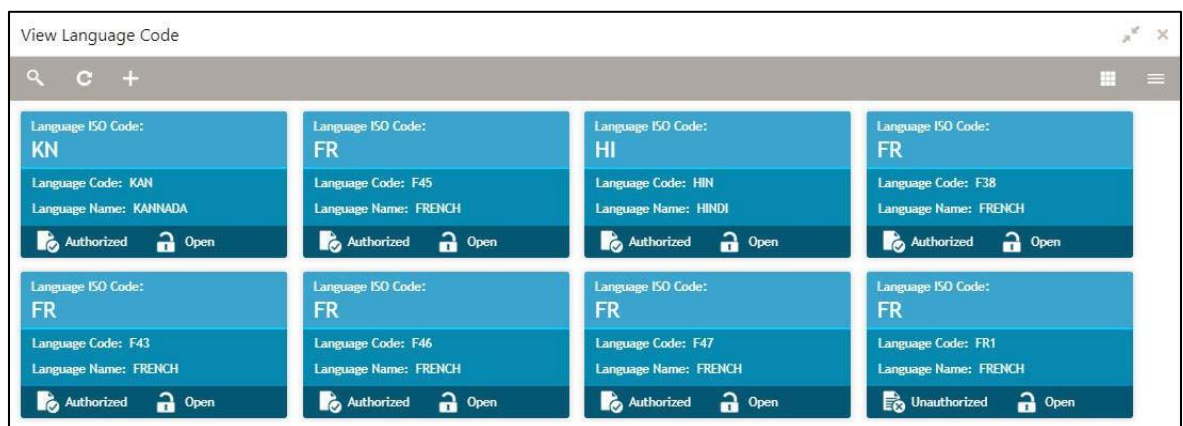
2.22.1 Language Code Summary

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
Language ISO Code	Displays the default branch code associated with the host code.
Language Code	Displays the processing time zone.
Language Name	Displays the host code details.
Status	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
Language Code	Specify the code for the language.
Language Name	Specify the name for the language associated with the language code.
Display Direction	Specify the display direction.
Language ISO Code	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](#)

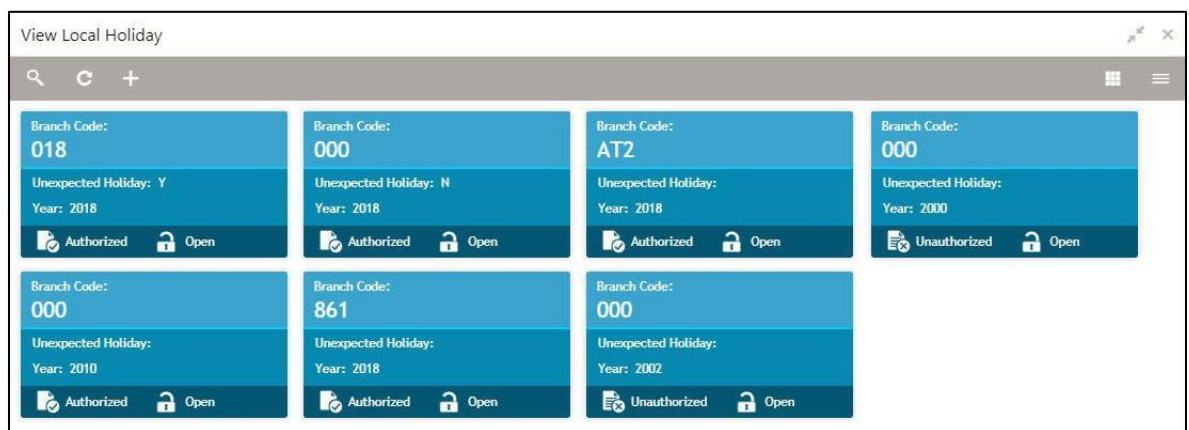
2.23.1 Local Holiday Summary

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
Branch Code	Displays the code of the branch.
Unexpected Holiday	Indicates if the record is an unexpected holiday.
Year	Displays the year of the holiday.
Status	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
Branch Code	Search and select the required branch code.
Year	Specify the year details.
Weekly Holidays	By default, this is disabled. If selected, you can define weekly holidays.
Unexpected Holidays	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](#)

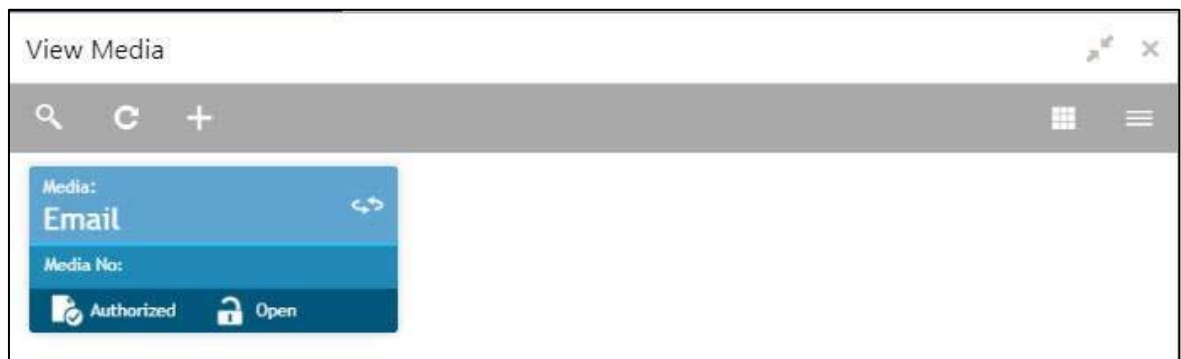
2.24.1 Media Summary

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

Field	Description
Padding Required	By default, this option is disabled. If selected, pads the characters in every outgoing messages.
TW (Test Word) Required Status	By default, this option is disabled. If selected, enables the option for word testing.
Media Priority	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.
Number of Character	Select a number the padding characters should be repeated for the advice from the spin box.
Media Details	Specify the media details.
	Click + icon to add the required details.
	Click - icon to remove the required details.
Media Code	Specify the unique media code to identify while associating with an advice.
Compatible Media	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](#)

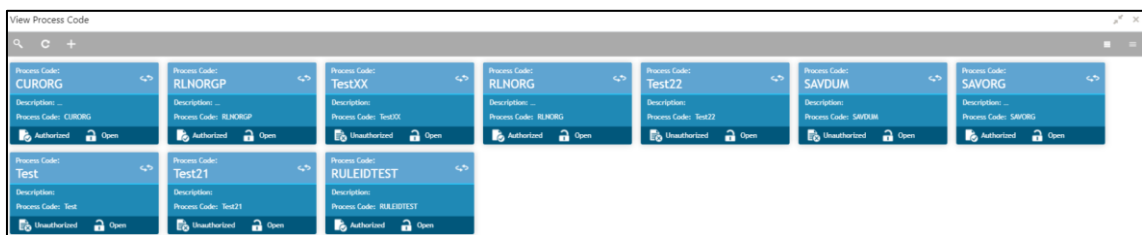
2.25.1 View Process Code

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
Process Code	Displays the process code.
Description	Displays the description of process code.
Status	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

Stage ID	Stage Description	Seq Order	Source Stage
RPL_RLNDRG_APPEN	Application Entry	1	<input checked="" type="checkbox"/>
RPL_RLNDRG_ENRCH	Application Enrichment	2	
RPL_RLNDRG_UNDMT	Underwriting	3	
RPL_RLNDRG_ASSMT	Assessment	4	
RPL_RLNDRG_OFFISSUE	Offer Issue	6	
RPL_RLNDRG_OFACCPPT	Customer Offer Accept/Reject	7	
RLNDRG_HANDOFF_RETRY	Handoff Retry	10	

Phase Code	Phase Description	Seq Order	Stage ID
APP_VER	Application Verification	1	<input type="checkbox"/> RPL_RLNDRG_APPEN <input type="checkbox"/> RPL_RLNDRG_ENRCH <input type="checkbox"/> RPL_RLNDRG_ASSMT <input type="checkbox"/> RPL_RLNDRG_UNDMT
APP_APPR	Application Approval	2	<input type="checkbox"/> RPL_RLNDRG_OFFISSUE <input type="checkbox"/> RPL_RLNDRG_OFACCPPT <input type="checkbox"/> RLNDRG_HANDOFF_RETRY

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

Field	Description
Source Stage	Select it to indicate if the specific stage is the source stage of the process.
Add Row	Click Add Row to add a row and to capture the stage details that needs to be mapped to the process code.
Delete Row	Click Delete Row to delete a row with stage details.
Phase Code	Specify the phase code.
Phase Description	Specify the phase description.
Seq Order	Displays the sequential order of the phase.
Stage ID	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.
Add Row	Click Add Row to add a row and to capture the phase details that needs to be mapped to the process code.
Delete Row	Click Delete Row to delete a row with phase details.

3. 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](#)

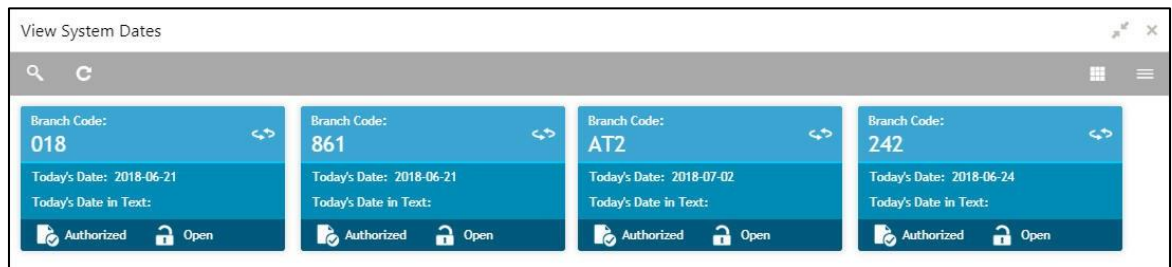
2.26.1 System Dates Summary

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
Branch Code	Displays the code of the branch.
Today's Date	Displays system's current date.
Today's Date in Text	Displays the system's current date in words.
Status	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](#)

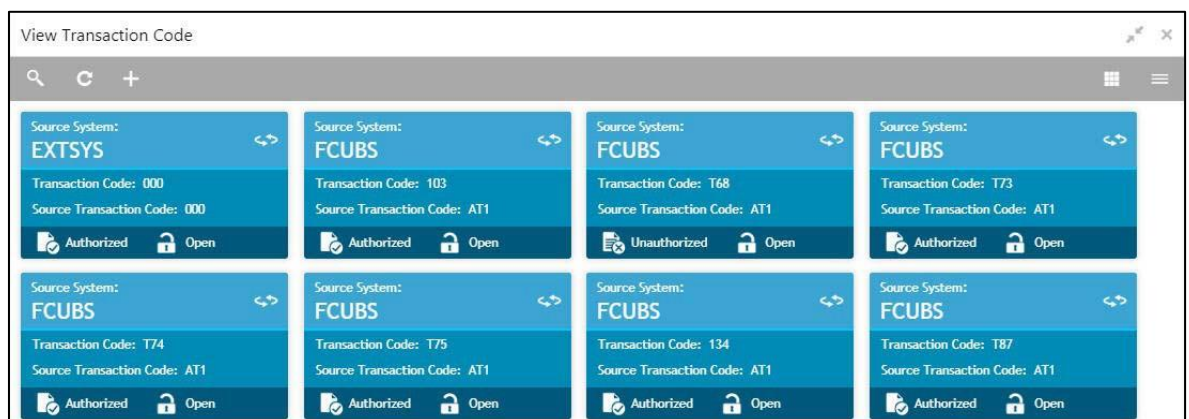
2.27.1 Transaction Code Summary

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
Transaction Code	Specify the transaction code details.
Description	Specify additional information about the transaction code.
Source System	Search and select the required source system.
Source Transaction Code	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](#)

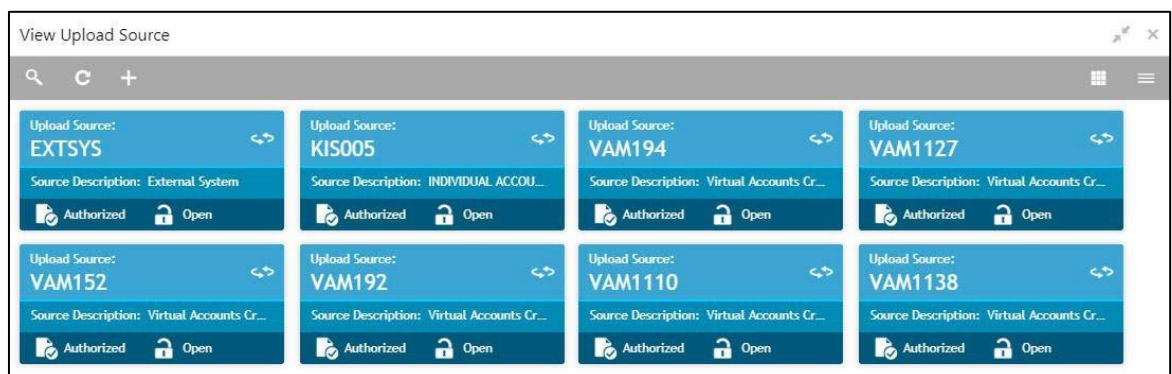
2.28.1 Upload Source Summary

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
Upload Source	Displays the upload source details.
Source Description	Displays information about the source code.
Status	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
Source Code	Specify the source code details.
Source Description	Specify additional information of the source code.
Base Data from Flexcube	By default, this is disabled. If selected, indicates the base data is from FLEXCUBE.
System Authorization Required	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](#)

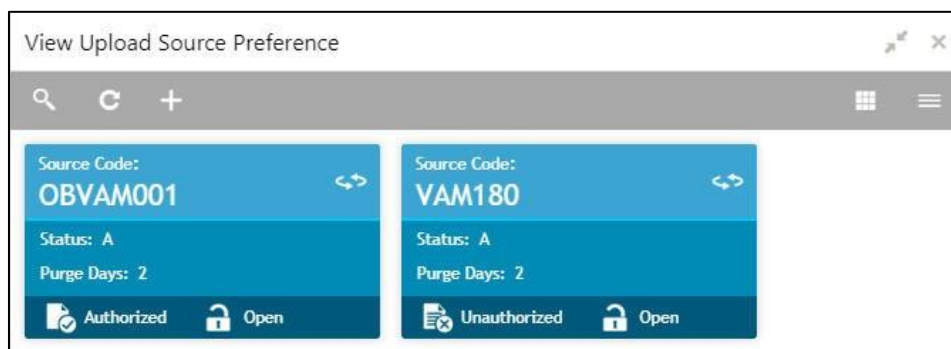
2.29.1 Upload Source Preference Summary

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
Source Code	Displays the code of the source.
Status	Displays the status of the post upload.
Purge Days	Displays the number of purge days.
Status	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
Source Code	Search and select the required source code.
Error Handling	Specify the error handling details.
On Error	Select an error from the drop-down list.
On Override	Select an override from the drop-down list.
On Repairable Exception	Select the repairable exception from the drop-down list.
On Queue Exception	Select the queue exception from the drop-down list.
Post Upload	Specify the post upload details.

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

4. 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](#)

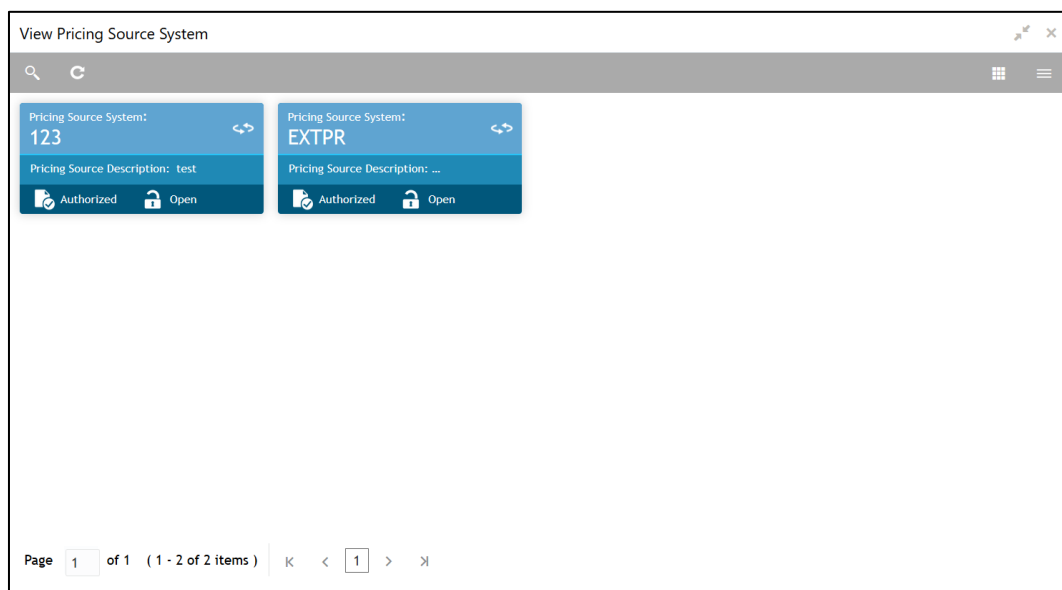
2.30.1 Pricing Source System Summary

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

The screenshot shows a web form titled "Create Pricing Source System". It contains two text input fields: "Pricing Source System" (with a red asterisk indicating it is mandatory) and "Pricing Source Description". 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 57: Create Pricing Source System – Field Description](#).

Table 57: Create Pricing Source System – Field Description

Field	Description
Pricing Source System	Specify the pricing source system.
Pricing Source Description	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.

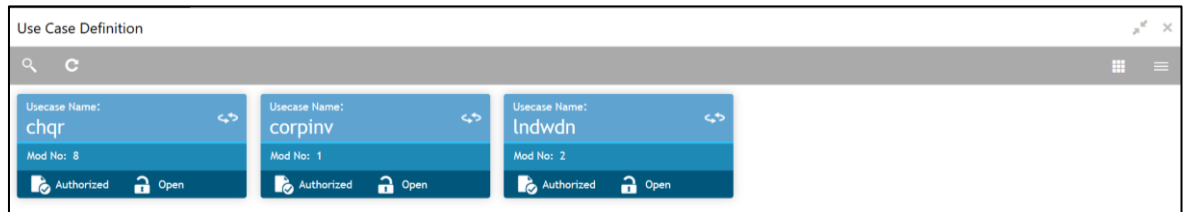
3.1.2 Use Case Definition Summary

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
Usecase Name	Displays the name of the use case
Mod No	Displays the modification number
Authorized Status	Displays the Authorized or Unauthorized status
Record Status	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

Tag Display Sequence	Tag Screen Display	Tag Name	Annotation Tag	Default Value
3	Invoice Due Date	invoiceDueDate	Y	
15	"Buyer Division Code	buyerDivisionCode	-	Y
8	Currency	currency	Y	
20	"External Branch BIC	externalBranchBIC	-	Y
10	Tax Amount	taxAmount	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](#).

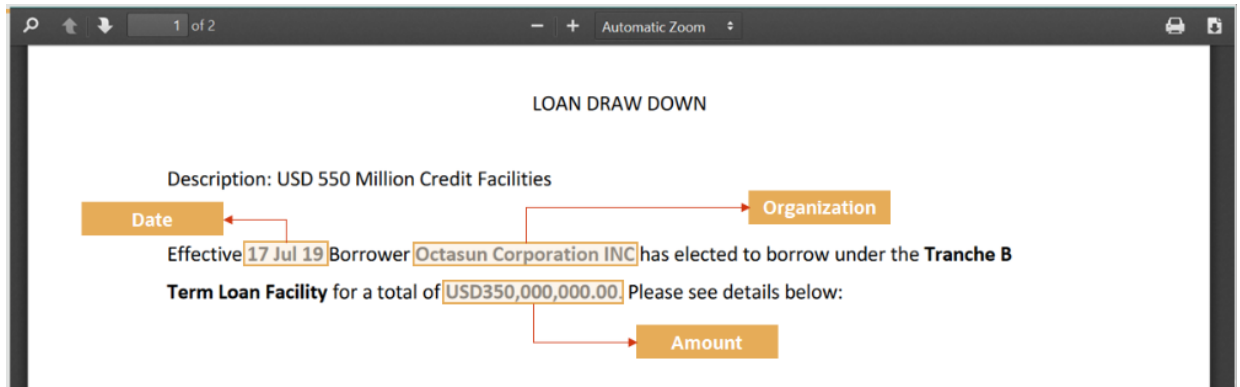
Table 59: Tag Maintenance – Field Description

Field	Description
Use Case Name	Unique use case name. It gets populated on Save, from the last folder name from the "Training Corpus Path (DOC)"
Description	Use Case Description
Mod No	Automatic Modification Number
Straight Through Processing	yes = Unattended / No = Attended
Use Case Tags/Entities	Specifies the use case tags entities.
Tag Display Sequence	The sequence in which the tags get displayed.
Tag Screen Display	Business Name of the Tag
Tag Name	Technical Name of the Tag
Annotation Tag	To identify tags to be used in Training
Default Value	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

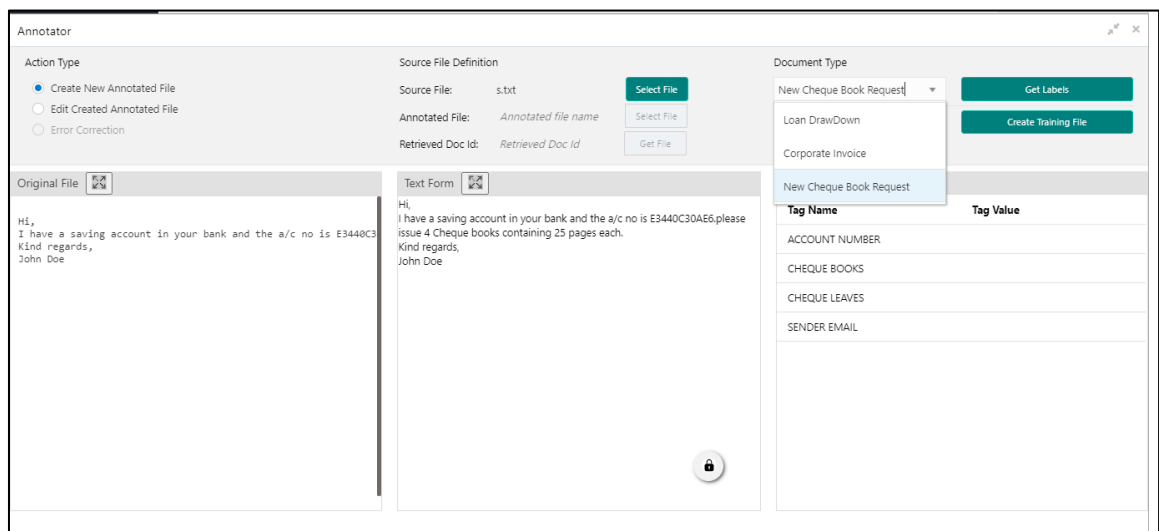


Annotator helps you to perform the annotations on a source document for a use case. To process this screen, perform the following steps:

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

Follow the below mentioned steps to annotate the source files:

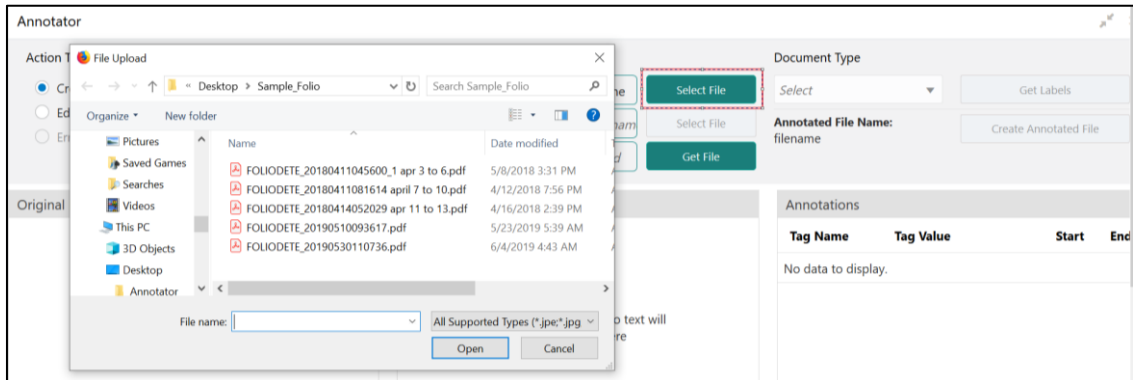
1. Select action type as “Create New Annotated File”.

Figure 62: Action Type

The screenshot shows the 'Annotator' application interface. The 'Action Type' section is highlighted with a red box, showing three radio button options: 'Create New Annotated File' (which is selected), 'Edit Created Annotated File', and 'Error Correction'. The 'Source File Definition' section includes three input fields: '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 dropdown menu set to 'Select' and a 'Get Labels' button. Below these sections are three main panels: 'Original File' (containing the text 'Document will appear here'), 'Text Form' (containing the text 'Document converted to text will be displayed here'), and 'Annotations' (containing a table header with columns 'Tag Name', 'Tag Value', 'Start', and 'End', and the text 'No data to display.').

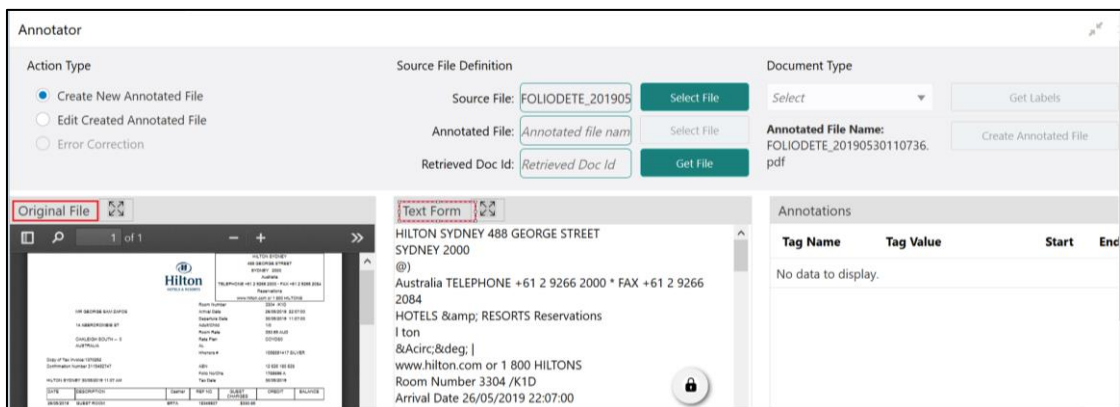
- Click **Select File**. It will open the windows explorer. Navigate and select the source document to be annotated.

Figure 63: File Upload



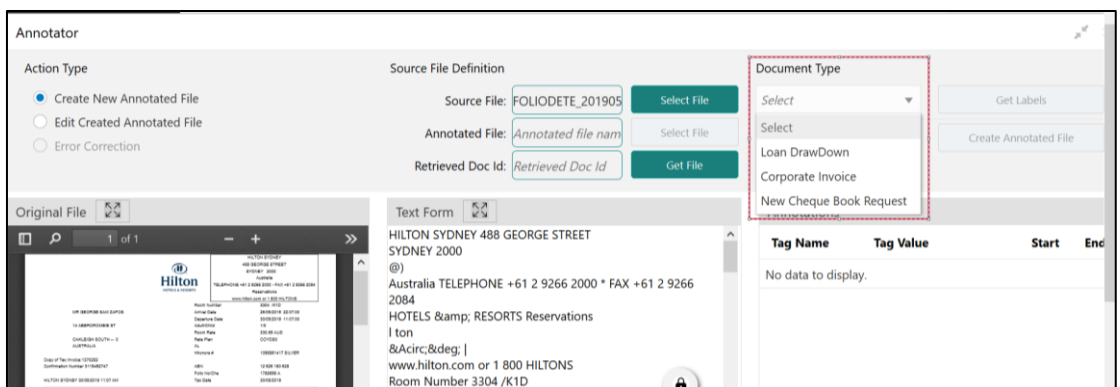
- The source document will be displayed in the “Original File” section and the text version of the document will be displayed in the “Text Form” section below:

Figure 64: Text Form



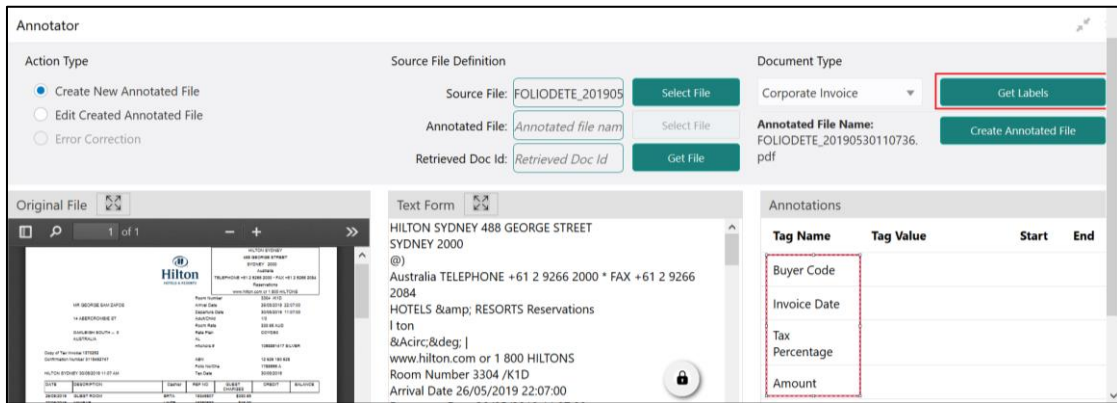
- Chose the “Document Type”.

Figure 65: Document Type



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

Figure 66: Tags



- 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

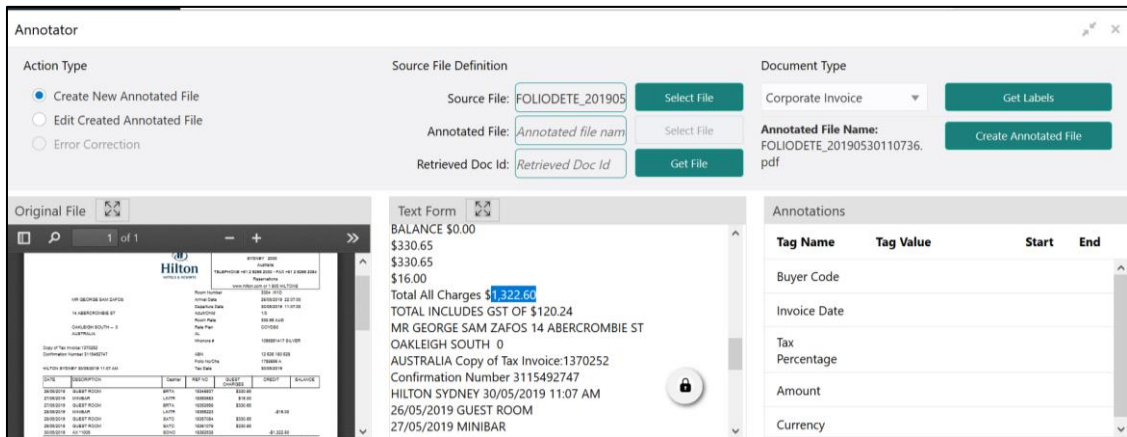
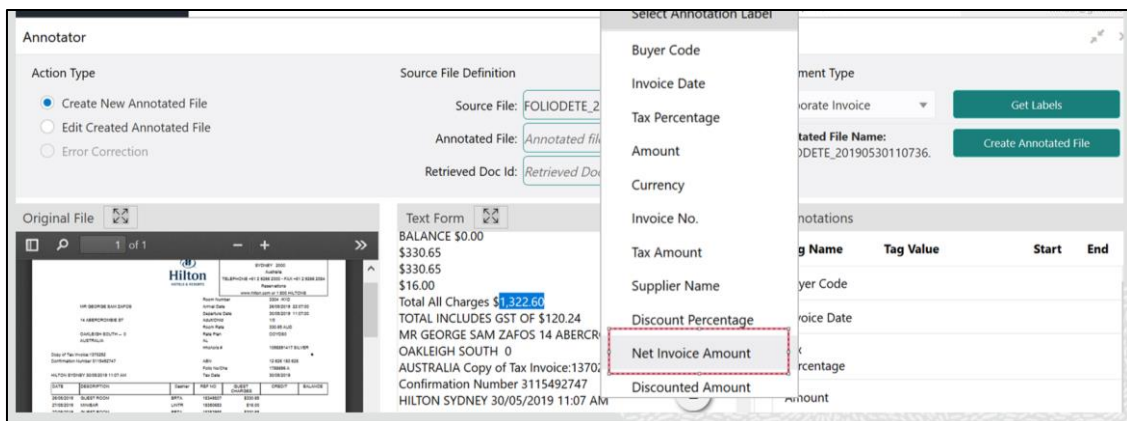


Figure 68: Select Annotation Label



- 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 interface with the following details:

- Action Type:** Create New Annotated File (selected), Edit Created Annotated File, Error Correction.
- Source File Definition:** Source File: FOLIODETE_201905, Annotated File: Annotated file nam, Retrieved Doc Id: Retrieved Doc Id.
- Document Type:** Corporate Invoice, Annotated File Name: FOLIODETE_20190530110736.pdf.
- Original File:** A Hilton invoice document.
- Text Form:** \$330.65, \$330.65, \$16.00, Total All Charges \$1,322.60, 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.
- Annotations Table:**

Tag Name	Tag Value	Start	End
Discount Percentage			
Net Invoice Amount	1,322.60	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 interface with the following details:

- Action Type:** Create New Annotated File (selected), Edit Created Annotated File, Error Correction.
- Source File Definition:** Source File: FOLIODETE_201905, Annotated File: Annotated file nam, Retrieved Doc Id: Retrieved Doc Id.
- Document Type:** Corporate Invoice, Annotated File Name: FOLIODETE_20190530110736.pdf.
- Original File:** A Hilton invoice document.
- Text Form:** \$330.65, \$330.65, \$16.00, Total All Charges \$1,322.60, 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.
- Annotations Table:**

Tag Name	Tag Value	Start	End
Discount Percentage			
Net Invoice Amount	1,322.60	628	636
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.

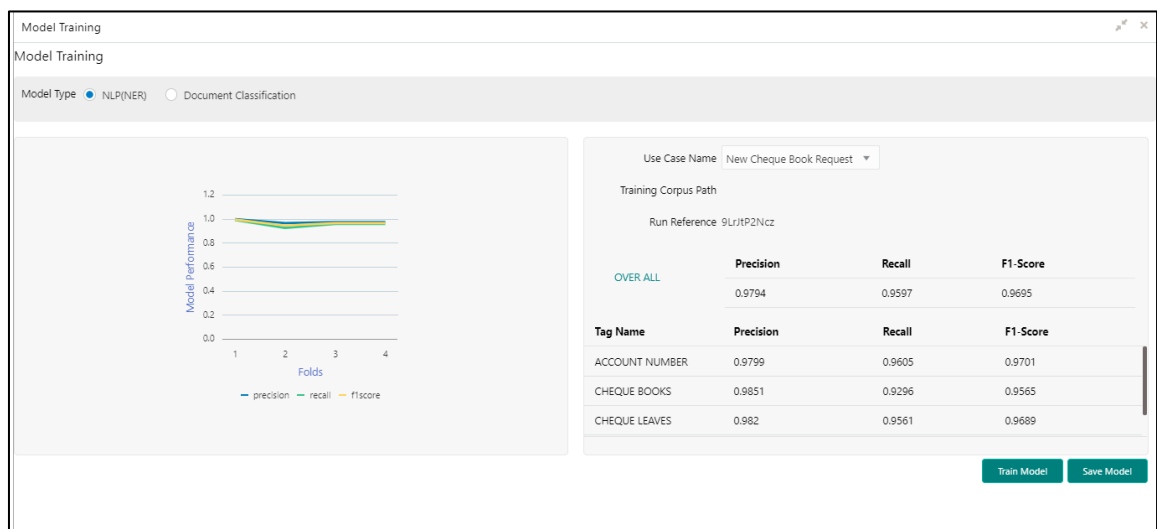
Model training is iterative and is carried out over increasing corpus size depending on the model parameters.

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](#)

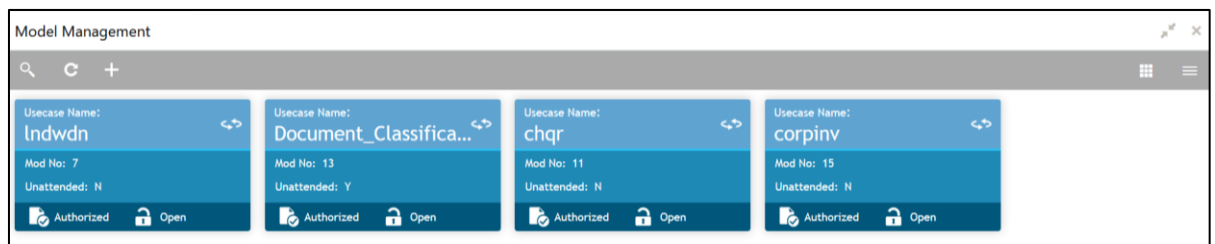
3.1.6.1 Model Management Summary

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
Use Case Name	Displays the name of the Use Case.
Mod No	Displays the number of modifications.
Authorized Status	Displays the status as Authorized or Unauthorized.
Record Status	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
SK855bTO	0.909	0.733	0.811	<input checked="" type="checkbox"/>	Tag Parameters
DXJhMpFeu	0.951	0.822	0.882	<input type="checkbox"/>	Tag Parameters
wPr8jXOKL	0.951	0.859	0.902	<input type="checkbox"/>	Tag Parameters
TMdLc4994	0.814	0.667	0.733	<input type="checkbox"/>	Tag Parameters
3A1GwazZI	0.94	0.788	0.857	<input type="checkbox"/>	Tag Parameters

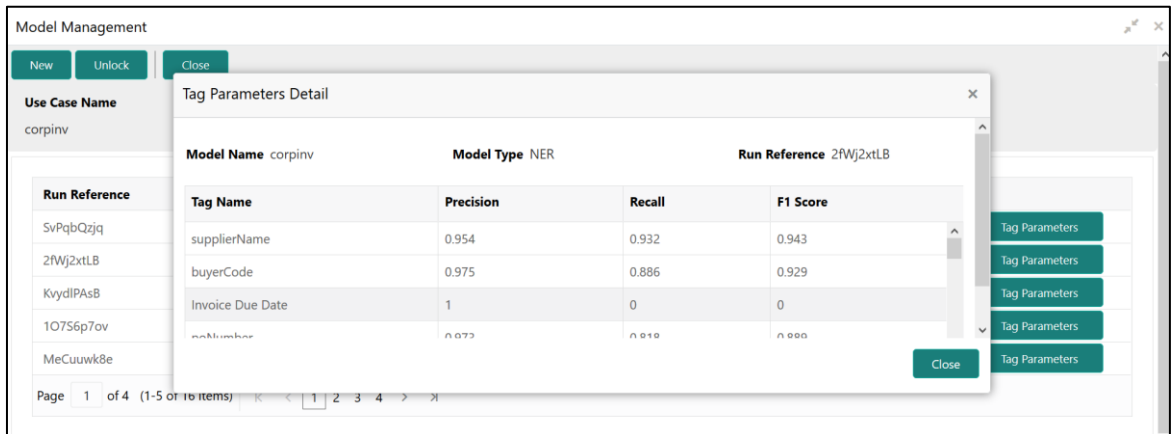
3. Provide the details in the relevant data fields. Mandatory data fields are indicated accordingly. For more information on menus, refer to [Table 60: Model Management Maintenance – Field Description](#).

Table 62: Model Management Maintenance – Field Description

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

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

Figure 74: Tag Parameters



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' web interface. At the top, there is a 'Scan and Upload Document' section with a 'Select File' button and a file name 'Ankita_Sample_9.pdf'. To the right, there is a 'Document Type' dropdown menu set to 'Corporate Invoice' and an 'Upload' button. Below this is the 'Original Document' section, which shows a scanned invoice for 'Bubba Gump Ltd.' The invoice includes the following details:

BILL TO		SHIP TO			
Buyer- 38201	Vancouver Logistics Ltd.	Bari Smith	4065 Teton Ct.	Invoice No. #	- 738202
509 E 19th St N,	Newton, IA, 50208	Phone- (209) 763-2717	Phone- (209) 763-2717	Invoice Date	- 15/09/2018
Phone- (641) 791-9080		Email- barry.smith@vanc.com		PO No. #	- POS62091
				PO Date	- 16/09/2018
				Due Date	- 20/10/2018

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)
92	chqr-New Cheque Book Request	vAa8poRomr	23/10/2020	PROCESSED		N	--
91			23/10/2020	ERROR	Unable to complete Intent Processing	Y	--
90	chqr-New Cheque Book Request	vAa8poRomr	23/10/2020	PROCESSED		N	--
89	chqr-New Cheque Book Request	vAa8poRomr	23/10/2020	PROCESSED		N	--
88	chqr-New Cheque Book Request	vAa8poRomr	23/10/2020	PROCESSED		N	--
87	chqr-New Cheque Book Request	vAa8poRomr	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
Document Type	Select the document type.
Status	Select the status.
Document Id	Displays the Document Management System Unique Identifier.
Document Type	Displays the document type - Use Case Definition.
Model Ref	Displays the Unique Model Version Identifier.
Processing Date	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

The screenshot shows a 'Process Log' window with a progress bar at the top indicating successful completion for three steps: File Processing, Request Classification, and Data Extraction. Below the progress bar is a table with the following data:

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

The screenshot shows a 'Document ID: 52218' window with a table of tag values. The table has the following data:

Tag Name	Value
discountAmount	75
invoiceDate	15/09/2018
invoiceDueDate	20/10/2018
invoiceNumber	738202
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: Indwdn-Loan DrawDown Status: ERROR

Processing Dashboard

Document Id	File Name	Document Type	Model Ref	Processing Date	Status	Failure Reason	Buss. Ref	Tag Value(s)
54651	NLP_1589205974634.pdf	Indwdn-Loan DrawDown	cJatRDaVy	01/04/2015	ERROR	Error in initiating business process		--
53758	NLP_1588655760259.pdf	Indwdn-Loan DrawDown	cJatRDaVy	01/04/2015	ERROR	Error in initiating business process		--

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

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 nam [Select File]
 Retrieved Doc Id: 53608 [Get File]

Document Type: Corporate Invoice [Get Labels]
 Annotated File Name: 53608.txt [Create Annotated File]

Original File: [Thumbnail of invoice]

Text Form:
 Soylent Ltd.
 Invoice No.# = 80KP2819
 Invoice Date 11/09/2014
 6 Theatre Street, PO No. # 9JK67021
 Altoona, PA 16601 PO Date 27/09/2014
 Phone (641) 7919080 Due Date 16/10/2014
 Email herbs.gill@vanc.com
 BILL TO Buyer 18302
 Musarc Corp Ltd. 4065 Teton Ct,
 Amy Taylor 4065 Teton Ct,
 Stroudsburg, PA 18360

Annotations:

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

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/MltbTagPerfromancesDTO"

```

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 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.

5 List of Menus

1. 3P Service Integration - [3.3 3P Service Integration](#) (pg. 114)
2. Advice - [2.1 Advice](#) (pg. 9)
3. Amount Text Language - [2.2 Amount Text Language](#) (pg. 13)
4. BIC Directory - [2.3 BIC Directory](#) (pg. 16)
5. Branch EDD - [2.4 Branch EOD](#) (pg. 20)
6. Country Code - [2.5 Country Code](#) (pg. 22)
7. Currency Definition - [2.6 Currency Definition](#) (pg. 25)
8. Currency Exchange Rate - [2.7 Currency Exchange Rate](#) (pg. 31)
9. Currency Holiday Master - [2.8 Currency Holiday Master](#) (pg. 35)
10. Currency Pair Definition - [2.9 Currency Pair Definition](#) (pg. 38)
11. Currency Rate Type - [2.10 Currency Rate Type](#) (pg. 42)
12. Customer Category - [2.11 Customer Category](#) (pg. 44)
13. ECA System - [2.12 ECA System](#) (pg. 46)
14. External Bank Parameters - [2.13 External Bank Parameters](#) (pg. 48)
15. External Branch Parameters - [2.14 External Branch Parameters](#) (pg. 51)
16. External Chart Account - [2.15 External Chart Account](#) (pg. 55)
17. External Customer - [2.16 External Customer](#) (pg. 57)
18. External Customer Account - [2.17 External Customer Account](#) (pg. 61)
19. External Customer Account Structured Address - [2.18 External Customer Account Structured Address](#) (pg. 64)
20. External Virtual Account Structured Address - [2.19 External Virtual Account Structured Address](#) (p 67)
21. Forget Process - [2.20 Forget Process](#) (pg. 68)
22. Host Code - [2.21 Host Code](#) (pg. 70)
23. Language Code - [2.22 Language Code](#) (pg. 73)
24. Local Holiday - [2.23 Local Holiday](#) (pg. 75)
25. Media - [2.24 Media](#) (pg. 77)
26. Operation - [3.2 Operation](#) (pg. 109)
27. Process Code - [2.25 Process Code](#) (pg. 80)
28. Pricing Source System - [2.30 Pricing Source System](#) (pg. 91)
29. System Dates - [2.26 System Dates](#) (pg. 83)
30. Transaction Code - [2.27 Transaction Code](#) (pg. 84)
31. Toolkit - [3.1 Toolkit](#) (pg.95)
32. Upload Source - [2.28 Upload Source](#) (pg. 86)
33. Upload Source Preferences - [2.29 Upload Source Preference](#) (pg. 88)

6 Reference and Feedback

This section contains following subsections:

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

6.1 References

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

- Security Management System User Guide
- Getting Started User Guide

6.2 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>.

6.3 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.