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1. Preface

1.1 Introduction

This manual is designed to help acquaint you with the Global Liquidity Management application.

This manual provides answers to specific features and procedures that you need to be aware of for the module to function successfully.

This chapter contains the following sections:

- [Section 1.2, "Audience"](#)
- [Section 1.3, "Documentation Accessibility"](#)
- [Section 1.4, "Organization"](#)
- [Section 1.5, "Related Documents"](#)
- [Section 1.6, "Glossary of Icons"](#)

1.2 Audience

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

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface.
Back office Managers/ Officers	Authorization functions

1.3 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>.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	<i>About this Manual</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Introduction</i> gives a brief description about the Liquidity Management Application
Chapter 3	<i>Cash Concentration Methods</i> describes the various cash concentration methods supported by the LM application
Chapter 4	This Chapter explains about <i>Notional Pooling</i> feature in OBLM

Chapter 5	This Chapter explains about <i>Multi-Bank Cash Concentration</i> feature in OBLM
Chapter 6	<i>Maintenance</i> explains how to maintain the various setup in order to start using the application.
Chapter 7	<i>Structure Maintenance</i> explains the various steps of developing a new structure.
Chapter 8	This chapter explains about how <i>Balances</i> are maintained in OBLM
Chapter 9	This chapter explains about how <i>Batches</i> are maintained in OBLM
Chapter 10	This chapter explains about the <i>Back Value Transaction</i> feature in OBLM
Chapter 11	<i>Simulator</i> explains how to simulate a Structure with new data and existing data
Chapter 12	<i>Dashboards</i> gives detailed information on Dashboards assigned to each 'User Role' and also about the organization of these Dashboards
Chapter 13	<i>Report</i> section explains about the reports that are available in OBLM
Chapter 14	<i>Security Management</i> discusses the various security features of the OBLM

1.5 **Related Documents**

The related documents include the SMS User Guide and the Reports Manual.

1.6 **Glossary of Icons**

This User Manual may refer to all or some of the following icons:

Icons	Function
	Exit
	Add row
	Delete row
	Option List
	Save
	Get Details
	Calender

2. Liquidity Management - An Overview

2.1 Introduction

Liquidity Management refers to the services your bank provides to its corporate customers thereby allowing them to optimize interest on their checking/current accounts and pool funds from different accounts. Your corporate customers can, therefore, manage the daily liquidity in their business in a consolidated way.

Customers need to define 'account structures' which form the basis of liquidity management. The account structure reflects the hierarchical relationship of the accounts as well as the corporate strategies in organizing accounts relationships.

Liquidity management services are broadly classified as under:

- Sweeping - where physical funds are moved in account structure from child to parent or parent to child.
- Pooling - where funds are not physically moved in and out of accounts. Instead, the account balances are notionally consolidated and 'interest computations' carried out on such notional balances.

The Oracle Banking Liquidity Management application supports a multi-branch, multi-currency liquidity management structure using architecture of 'System Accounts'. This enables the system to keep track of balances in accounts in the structure, calculate interest on the accounts in the structure as well as track the history of the sweep/ pool structure.

Note

System accounts are internal accounts created by the system based on the role played by an account in an Account Structure.

This document is broadly classified into the following sections:

- Cash Concentration Methods
- Notional Pooling
- MBCC
- System setup required for OBLM
- Building and Maintaining the Structure.
- Balance Build
- Batch Processing
- BVT Handling
- Simulations
- Dashboards
- Reports
- SMS

3. Cash Concentration Methods

OBLM supports various form of Sweeps/Cash Concentration methods. You can find a brief description about each method in this chapter. This chapter contains the following sections:

- Section 3.1, "Zero Balance"
- Section 3.2, "Fixed Sweep"
- Section 3.3, "Target Balance/Minimum Balance"
- Section 3.4, "Threshold"
- Section 3.5, "Collor"
- Section 3.6, "Percentage"
- Section 3.7, "Range Based Balancing"
- Section 3.8, "Investment Sweeps"

3.1 Zero Balance

In this method, all the balances from the sub account are automatically transferred into the master account at the EOD with original value dates. The top account will therefore hold the overall net cash position of the company or group of companies. The top account is normally held by the parent company or a group treasury.

1 way Scenario

Here the system will try to zero balance the child account. The child account balances are swept to leave a zero balance in the child account. If the child account balance is zero or negative, the system will not execute any sweep instruction

2 way Scenario

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balances in the parent account is not sufficient to cover the overdraft, no sweep transaction is done.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account.

If the child account balance is above zero, the system will sweep the entire balance from child account to the parent account.

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached. If a limit is attached then, sweeps can happen till the limit is utilized but not beyond the specified limit. If the major account is linked with unlimited limit, then sweeps can happen from major to minor till all the minor account balances are zero

3.2 Fixed Sweep

A fixed amount is transferred from the sub account to the main account irrespective of the credit balance in the sub account. If the credit balance in the sub account is below the fixed amount then no transfers are affected.

1 way Scenario

If the minor account balance is above or equal to the fixed amount, the system will sweep fixed amount from the minor account.

If the minor balance is above zero, but less than the fixed amount, the system will not initiate the sweep instruction.

2 way Scenario

The 2 way sweep in this concentration method will transfer only that amount which is required to cover overdrafts on the child accounts i.e. Fixed 2 way sweep only covers the child overdraft balances and will not follow the fixed parameter, provided the parent account has sufficient balance to cover the debit balance on the child account

FIXED

In the fixed method, if the minor is overdrawn, and major balance is above or equal to the fixed amount, the system will use amount, equal to fixed amount for transfer from major to cover minor's overdraft. If, however, the major balance is less than the fixed amount, the system will reject the sweep instruction.

If more than one child account is in negative balance the transfer from the parent account will be based on the priority set at the child account. Balance will be transferred from Major account to minor accounts based on priority (Least numeric is given top priority) and availability of funds (Fixed amount) in the major account. In this scenario if the balance available in the major account is not sufficient to carry out multiple fixed amount transfers, system will sweep till the available balance on the major account is exhausted keeping the fixed amount parameter in view.

If the major account is linked with a line then sweeps will be carried out till the line amount is exhausted and if the major account is linked to an unlimited limit then system will sweep balances to all the minor accounts.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account.

3.3 Target Balance/Minimum Balance

There are two different types under this:

- Constant Target Balance/Minimum Balance- Here the system ensures that a specific amount is present in the minor account by moving the balances from the sub accounts to the main account and vice versa. The balances in the sub accounts will be constant and cannot be zero
- Fixed Target Balance - Here the system ensures that a fixed target balance is present while moving funds from sub accounts to main account. when the sub accounts has a debit balance the 2 way sweep from main account to the sub account will be equal to the debit amount on sub account which will bring the sub account to zero balance.

1Way - Scenario

If the child account balance is above the minimum balance, the system will sweep the positive difference between the child account balance and minimum balance to the major account (sweep balances above the minimum balance from the child account).

If the child account balance is below or equal to the minimum balance, the system will not execute the sweep instruction.

2Way - Scenario

If the child account balance is below the minimum balance, the system will try to cover the negative difference between the minor balance and minimum balance with funds from the major account.

If the minor balance is below the minimum balance or is overdrawn, and the major balance is negative or not sufficient to cover the OD + minimum balance the system will not execute any sweep instruction

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached, if limit is attached sweeps can happen till the limit is utilized but not beyond the specified limit, but if the major account is linked with unlimited limit sweeps can happen from major to minor till all the minor account balances are zeroed or reach the required levels.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached. If limit is attached then, sweeps can happen till the limit is utilized but not beyond the specified limit, If the major account is linked with unlimited limit, then sweeps can happen from major to minor till all the minor account balances are zero.

3.4 Threshold

Here the funds are moved only when the account has more balance than a set limit. The child account keeps accumulating funds till the threshold is reached and sweeps out all the balances from the child account.

1Way - Scenarios

If the child account balance is equal to or above the Threshold balance amount, the system will sweep the entire balances from the child account. If the child account balance is below the Threshold balance, the system will not execute the sweep instruction.

2Way - Scenario

If the child account balance is below the Threshold balance, the system will not perform any sweeps under any circumstances even if the major account is in credit balance. If the child account balance is below zero, then sweeps will be performed from major account to minor account to bring minor account balance to zero.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached, if limit is attached sweeps can happen till the limit is utilized but not beyond the specified limit, but if the major account is linked with unlimited limit, then sweeps can happen from major to minor till all the minor account balances are zero.

3.5 Collor

Here on reaching a threshold value, funds are swept from the minor account but leaving behind a balance.

1Way - Scenario

If the child account balance is above the Threshold balance amount or equal to the threshold balance amount, the system will sweep balances from the child account leaving behind the pre-set balance in the child account.

If the child account balance is below the threshold, the system will not execute the sweep instruction.

2Way - Scenarios

If the child account balance is below the Threshold balance, the system will not perform any sweeps under any circumstances even if the major account is in credit balance. If the child account balance is below zero, then sweeps will be performed from major account to minor account to bring the minor account balance to zero.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached, if limit is attached sweeps can happen till the limit is utilized but not beyond the specified limit, but if the major account is linked with unlimited limit sweeps can happen from major to minor till all the minor account balances are zero.

3.6 Percentage

Here a certain set percentage of funds available in the minor account is swept out. The system supports both 1 way and 2 way sweeps.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

The 2 way sweep in this concentration method will transfer only that amount which is required to cover overdrafts on the child accounts i.e. Percentage 2 way sweep only covers the child overdraft balances and will not follow the Percentage parameter provided the parent account has sufficient balance to cover the debit balance on the child account.

When sweeping from Major account to minor account the major account balance cannot go below Zero if no limit is attached. If limit is attached, then sweeps can happen till the limit is utilized but not beyond the specified limit. If the major account is linked with unlimited limit, then sweeps can happen from major to minor till all the minor account balances are zero

3.7 Range Based Balancing

Here the funds are swept when the available balances are in a certain range. A minimum and a maximum range will be defined based on which sweeps are initiated from /to child account to make the child account attain a fixed balance.

For example, If a child account fixed balance is 50, Minimum range amount is 10 and Maximum range amount is 100 then, if the child account balance goes below 10, sweeps to child account will happen to make the child account balance 50 (Sweep of 40), but if the child account balance is more than 100 then balances above 50 will be swept away from the child account.

3.8 Investment Sweeps

System supports investment sweeps wherein funds are invested either in Money Market instruments or term deposits

Steps to achieve investment sweeps are as below:

- Create an account in OBLM which will be a Notional account with no balances (This account will be created only in OBLM and is not present in core banking)
- Create a structure with the notional account as the header
- Pair wise concentration methods to be defined for the structure including for the notional pair (ZBA, Percentage, Etc.)
- Pair wise sweep frequencies to be defined including the notional pair
- Payment instructions to be defined for all the pairs including the notional pair
- While defining payment instructions for the Notional pair either Money market placement or Term deposit creation parameters needs to be captured.
- OBLM will generate handoff message for the investment sweeps at the defined frequencies to the core banking system\external system.

4. Notional Pooling

OBLM supports notional pooling of accounts for cash concentration benefits. Under notional pooling, balances remain on participating accounts. The bank charges or credits interest on net balance of the pooled accounts thereby mitigating the cost of overdrafts on participant accounts.

Notional Pooling of is a mechanism for calculating interest on the combined credit and debit balances of accounts that a corporate parent chooses to cluster together, without actually transferring any funds. It is ideal for companies with decentralized organizations that want to allow some autonomy to their subsidiaries, including their control over bank accounts.

Pool participant accounts are aggregated for interest compensation purposes. Funds are not physically moved, but are notionally combined. There is no commingling of funds, and the integrity of the individual account position is maintained.

Notional Pooling can be combined within the framework of a global cash concentration structure to provide comprehensive overlay structures to meet even the most complex organization's needs

Notional pooling can have multi-layered overlays like in country pools sweeping into regional pools which in turn sweep into global pools. This type of structure is provided to mirror the corporate's regional treasury arrangements.

Once a company earns interest on the funds in a notional pooling account, interest income is usually allocated back to each of the accounts comprising the pool. For tax management reasons the corporate parent usually charges the subsidiaries participating in the pool for some cash concentration administration expenses related to management of the pool. This scenario works best if the corporate subsidiaries are located in high-tax regions where reduced reportable income will result in reduced taxes.

The main downside of notional pooling is that it is not allowed in some countries. It is difficult to find anything but a large multi-national bank that offers cross-currency notional pooling. Instead, it is most common to have a separate notional cash pool for each currency area.

Notional pooling is normally done within one branch so that the bank gets the right of offset on its balance sheet (from the regulators and clients). Else bank has to set aside capital to cover the gross pooled balances

This chapter contains the following sections:

- [Section 4.1, "Benefits of Notional Pooling"](#)
- [Section 4.2, "Notional Pooling Structures"](#)
- [Section 4.3, "Interest Calculation Methods"](#)
- [Section 4.4, "Interest Allocation Methods"](#)
- [Section 4.5, "Interest Reallocation"](#)

4.1 Benefits of Notional Pooling

The benefit of notional pooling can be listed as below:

- Minimizes interest expense and improves balance sheet for corporate by off-setting debit and credit positions
- Single liquidity position without commingling of funds

- Allows each subsidiary company to take advantage of a single, centralized liquidity position, while still retaining daily cash management privileges
- Preserves autonomy, control and record-keeping
- Benefit from off-setting without movement of funds and saving on administrative costs by avoiding foreign exchange costs
- Avoids inter company loans by avoiding the use of cash transfers to a central pooling account
- Automation of interest reallocation
- Reduction in operating expenses by reducing short term borrowings
- Concentration of balances
- Largely eliminates the need to arrange overdraft lines with local banks

4.2 Notional Pooling Structures

Notional Pooling can take any of the following structures:

- Single currency, Single country
- Single currency, Cross border
- Multi-currency, Single country
- Multi-currency, Cross border

4.3 Interest Calculation Methods

Interest on pool participants can be calculated in the following ways:

- Replacement Interest Payment Method/ Interest Method - System will have interest suppressed at the participant accounts and will make a single payment/charge as required based on the pool header balance
- Advantage Method - Interest is initially calculated without taking the pooling arrangement into account and then a rebate is paid to the group
- Interest Optimization Method (Top up interest payment) - Bank arranges preferential interest rates for participating accounts without fully offsetting credit and debit balances. This option will be used in jurisdictions where full notional pooling is not permitted. Here dual interest rates are applied i.e. Balance of the account is segregated into compensated and non compensated balances and interest rates applied accordingly
- Interest Enhancement Method - This method works by applying preferential pricing across a group of accounts on the basis of predetermined criteria that are typically based on a net aggregate balance threshold.

4.3.1 Advantage Method

Interest is calculated at each participant account as per their balances with an applicable rate and debits and credits posted to the participants accordingly.

Next interest is calculated based on the pool balance at notional header in notional header currency.

The difference between the interest arrived at the pool level and the summation of interest arrived at the participant level is called the advantage interest (Z-I).

For Advantage method, we need to set the IC setup. Please follow the below steps:

4.3.1.1 Interest Rule Setup

You can invoke the 'Interest Rule Setup' page by clicking on the setup tab in application.



Rule ID

Specify a rule ID.

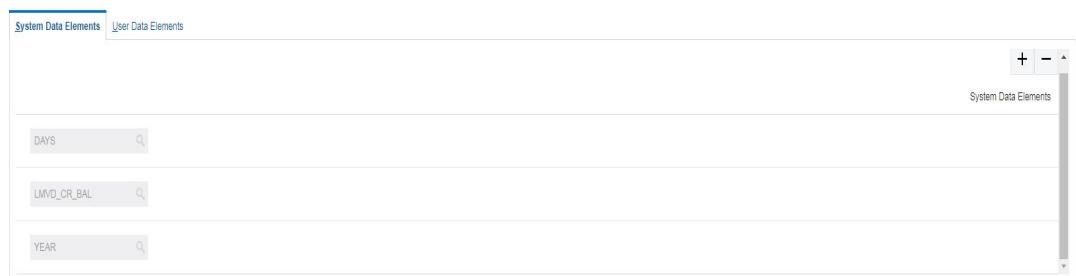
Rule Description

Specify a description for the rule.

Apply Interest on Account Opening Month

Check this box to apply the interest on the account opening month.

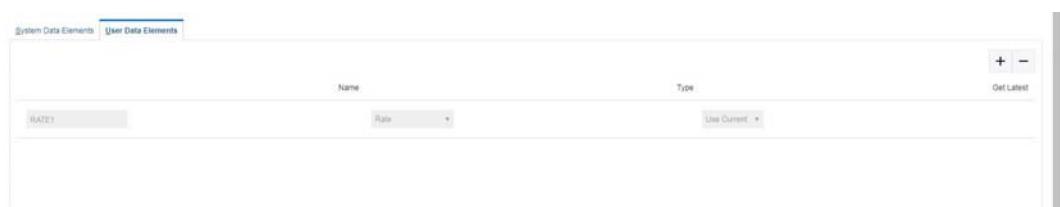
System Data Elements



Click '+' button to add system elements. Specify the system elements like DAYS, LMVD_CR_BAL and YEAR. You can select the system elements from the option list.

User Elements

Specify a user element.

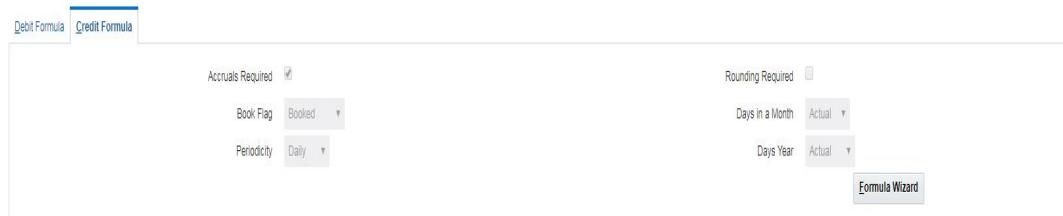


Type

Select the type as "Rate" from the drop down list.

Get Latest

Select the option "Use Current" which is to be used as latest



Accruals Required

Check this box if accrual are required.

Book Flag

Select the book flag “Booked” from the drop down list.

Periodicity

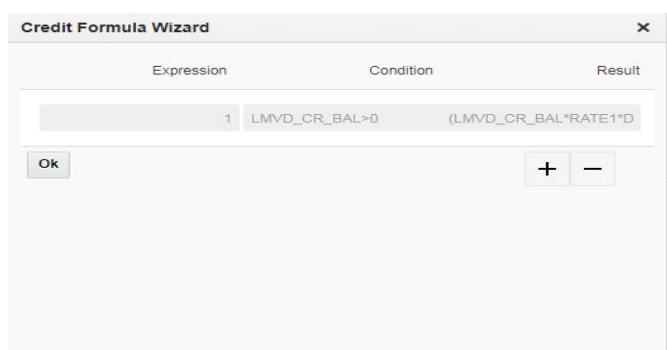
Select the frequency “Daily” from the drop down list.

Days in a Month

Select “Actual” from the drop down list. The options are:

Days Year

Select “Actual” from the drop down list.



Expression

Specify the expression for the formula

Condition

Specify the condition for the formula

LMVD_CR_BAL>0

Result

Specify the expected result

$(LMVD_CR_BAL * RATE1 * DAYS) / (YEAR * 100)$

4.3.1.2 Interest Product Setup

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application

Product Code

Specify a product code for the new interest product

Product Description

Specify a description for the new interest product.

Product Group

Specify the product group under which the new product is based. You can select the product group from the option list. The list displays all the product groups maintained in the system

Product Group Description

The system displays the description for the selected product group.

Rule

Specify the rule to be associated with the interest product. You can select the rule from the option list. The list displays all the rules maintained in the system

Rule Description

The system displays the description for the selected rule.

Start Date

Specify the start date of liquidation.

End Date

Specify the date till which the interest product will be active.

UDE Currency

Select the UDE currency to be associated with the product from the drop down list. The options are: Account Currency, Local Currency

Currency

Select the currency from the option list. The list displays all the currencies maintained in the system

Main Interest Rate UDE

Specify the main interest rate UDE. You can select the interest rate from the option list. The list displays all the interest rate UDEs maintained in the system

Frequency

Select the frequency of accrual "Daily" from the drop down list.

Cycle

Select the cycle for the accrual "None" from the drop down list.

Payment Method

Select the payment method for interest accrual "Bearing" from the drop down list.

Calculation & Liquidation Frequency

Days

Specify the liquidation frequency as 1 for the Interest product being created.

Start From Account Opening

Check this box to start the calculation of liquidation from the start of account opening.

First Liquidation On

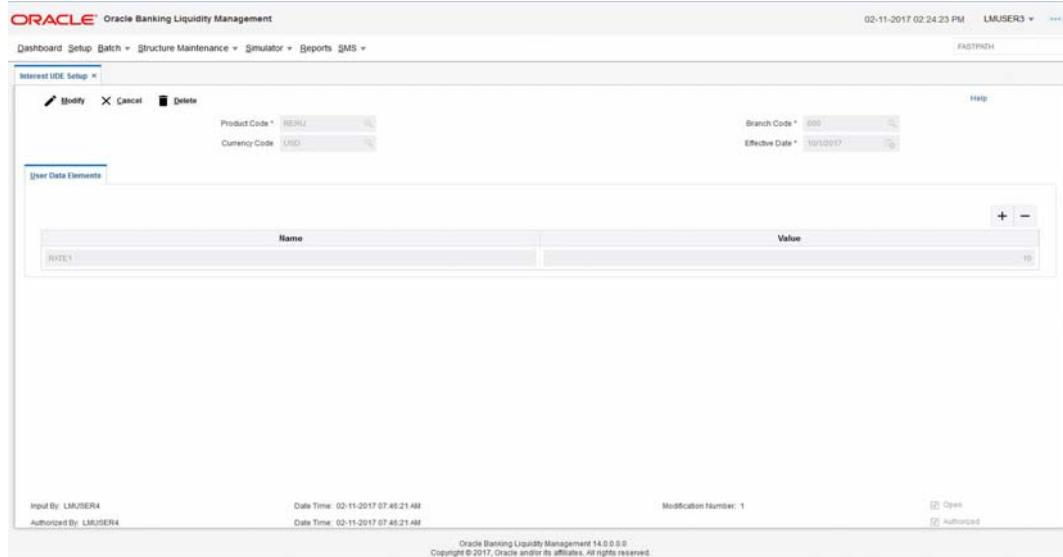
Specify the date for calculation of first liquidation.

Start Date

Specify the start date of liquidation.

4.3.1.3 Interest UDE Setup

You can invoke the 'Interest UDE Setup' page by clicking on the setup tab in application



Product Code

Specify the product code. You can select the product code from the option list. The list displays all the product codes maintained in the system

Branch Code

Specify the branch code. You can select the branch code from the option list. The list displays all the branch codes maintained in the system

Currency Code

Specify the currency code. You can select the currency code from the option list. The list displays all the currency codes maintained in the system

Effective Date

Specify the date from which this will be effective

User Element

Specify the User Element what we have given in Interest Rule setup

User Element Value

Specify User Element Value.

4.3.1.4 Interest Product Mapping

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application



Account Number

Specify the account number to be mapped. You can select the account number from the option list. The list displays all the account numbers maintained in the system.

Interest Product

Specify the interest product. You can select the interest products from the option list. The list displays all the interest products maintained in the system.

4.3.2 Interest Optimization Method

Interest to be initially calculated without taking the pooling arrangement into account and then a rebate is to be paid to the group

Bank arranges preferential interest rates for participating accounts without fully offsetting credit and debit balances. This option will be used in jurisdictions where full notional pooling is not permitted.

In this method dual interest rates are applied i.e. Balance of the account is segregated in to compensated and non compensated balances and interest rates applied accordingly

Compensated (Covered) and non compensated (residual) balances are arrived by the following logic

Compensated (Covered) and non compensated (residual) ratios are arrived

Credit	Net Pool Position (NPP) > 0	Net Pool Position (NPP) < 0
Coverage Ratio (Compensated Balance)	Min(Cumulative Credit, Cumulative Debit)/ Max(Cumulative Credit, Cumulative Debit)	1
Residual Ratio (Non-Compensated Balance)	1 - Coverage Ratio	0

Debit		
Coverage Ratio (Compensated Balance)	1	Min(Cumulative Credit, Cumulative Debit)/ Max(Cumulative Credit, Cumulative Debit)
Residual Ratio (Non-Compensated Balance)	1 - Coverage Ratio	1 - Coverage Ratio

Post arrival of the Compensated (Covered) and non compensated (residual) balances interest rate is applied using the following formula

For accounts in Credit balance (NPP>0 or NPP<0)

$$\{[\text{Credit Coverage Ratio} * \text{Account Balance}] * \text{Covered Credit Interest}\} + \\ \{[\text{Credit Residual Ratio} * \text{Account Balance}] * \text{Residual Credit Interest}\}$$

For accounts in Debit balance (NPP>0 or NPP<0)

$$\{[\text{Debit Coverage Ratio} * \text{Account Balance}] * \text{Covered Debit Interest}\} + \\ \{[\text{Debit Residual Ratio} * \text{Account Balance}] * \text{Residual Debit Interest}\}$$

For Optimization method, we need to set the IC product . Please follow the below steps:

4.3.2.1 Interest Rule Setup

You can invoke the 'Interest Rule Setup' page by clicking on the setup tab in application.



Rule ID

Specify a rule ID.

Rule Description

Specify a description for the rule.

Apply Interest on Account Opening Month

Check this box to apply the interest on the account opening month.

System Data Elements

The screenshot shows a search interface for system data elements. The results list includes 'DAYS', 'LMVDO_CR_POOLBAL', 'LM_CONTRIBUTION_BAL', and 'LM_CRCOV_RATIO'. Each result has a search icon to its right.

The screenshot shows a search interface for system data elements. The results list includes 'LM_CRCOV_RATIO', 'LM_CRRES_RATIO', and 'YEAR'. Each result has a search icon to its right.

Click '+' button to add system elements. Specify the system elements like DAYS, LMVDO_CR_POOLBAL, LM_CONTRIBUTION_BAL, LM_CRCOV_RATIO, LM_CRRES_RATIO and YEAR. You can select the system elements from the option list.

User Elements

Specify a user elements as COVRATE and RESRATE.

The screenshot shows a configuration interface for user data elements. It lists two entries: 'COVRATE' and 'RESRATE'. Each entry has a 'Name' field, a 'Type' dropdown set to 'Rate', and a 'Type' dropdown set to 'Use Current'.

Type

Select the type as "Rate" from the drop down list.

Get Latest

Select the option "Use Current" which is to be used as latest

The screenshot shows a configuration interface for a credit formula. It includes settings for 'Accruals Required' (checked), 'Book Flag' (Booked), 'Periodicity' (Daily), 'Rounding Required' (unchecked), 'Days in a Month' (Actual), and 'Days Year' (Actual). A 'Formula Wizard' button is also present.

Accruals Required

Check this box if accrual are required.

Book Flag

Select the book flag "Booked" from the drop down list.

Periodicity

Select the frequency "Daily" from the drop down list.

Days in a Month

Select "Actual" from the drop down list. The options are:

Days Year

Select "Actual" from the drop down list.



Expression

Specify the expression for the formula

Condition

1:-

Specify the condition for the formula as

LMVD_CR_POOLBAL>0

Result

Specify the expected result as

$((LM_CONTRIBUTION_BAL*LM_CRCOV_RATIO*COVRATE*DAYS)/(YEAR*100))+((LM_CONTRIBUTION_BAL*LM_CRRES_RATIO*RESRATE*DAYS)/(YEAR*100)))$

2:-

Specify the condition for the formula as

LMVD_DR_POOLBAL>0

Result

Specify the expected result as

$((LM_CONTRIBUTION_BAL*LM_DRCOV_RATIO*COVRATE*DAYS)/(YEAR*100))+((LM_CONTRIBUTION_BAL*LM_DRRES_RATIO*RESRATE*DAYS)/(YEAR*100)))$

4.3.2.2 Interest Product Setup

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application

ORACLE® Oracle Banking Liquidity Management

03-11-2017 06:11:05 AM LMUSER3 ***

Dashboard Setup Batch Structure Maintenance Simulator Reports SMS FASTPATH

Interest Product Setup x

Product Code * IEDP Product Description * Optimization_Method_Prod1

Product Group IEDP Product Group Description Interest And Charges

Rule * IEDP Rule Description Optimization_Method

Start Date 03/11/2017 End Date

UDE Currency Account Currency Currency Code * USD

Accrual Calculation & Liquidation Frequency

Product Level Frequency * Daily Accrual Day CY/IR

Payment Method Reversing Amount Block for Discount

Input By: LMUSER3 Date Time: 2017-11-04 01:12:33 Modification Number: 1

Authorized By: LMUSER3 Date Time: 2017-11-04 01:12:33

Oracle Banking Liquidity Management 14.0.0.0 Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Product Code

Specify a product code for the new interest product

Product Description

Specify a description for the new interest product.

Product Group

Specify the product group under which the new product is based. You can select the product group from the option list. The list displays all the product groups maintained in the system

Product Group Description

The system displays the description for the selected product group.

Rule

Specify the rule to be associated with the interest product. You can select the rule from the option list. The list displays all the rules maintained in the system

Rule Description

The system displays the description for the selected rule.

Start Date

Specify the start date of liquidation.

End Date

Specify the date till which the interest product will be active.

UDE Currency

Select the UDE currency to be associated with the product from the drop down list. The options are: Account Currency, Local Currency

Currency

Select the currency from the option list. The list displays all the currencies maintained in the system

Main Interest Rate UDE

Specify the main interest rate UDE. You can select the interest rate from the option list. The list displays all the interest rate UDEs maintained in the system

Frequency

Select the frequency of accrual "Daily" from the drop down list.

Cycle

Select the cycle for the accrual "None" from the drop down list.

Payment Method

Select the payment method for interest accrual "Bearing" from the drop down list.

Calculation & Liquidation Frequency

The screenshot shows the 'Calculation & Liquidation Frequency' tab selected in a navigation bar. The page contains several input fields and checkboxes:

- Days: 1
- Month: 0
- Year: 0
- Start From Account Opening:
- OD interest reversible:
- First Liquidation On: 10/1/2017
- Start Date: 10/1/2017
- Defer Liquidation:
- Liquidation at Month Ends:
- Back Value Recalculation Flag:
- Liquidation before Month End:
- Defer Liquidation Days: 0
- Defer Before Month End Days: 0

Days

Specify the liquidation frequency as 1 for the Interest product being created.

Start From Account Opening

Check this box to start the calculation of liquidation from the start of account opening.

First Liquidation On

Specify the date for calculation of first liquidation.

Start Date

Specify the start date of liquidation.

4.3.2.3 Interest UDE Setup:

You can invoke the 'Interest UDE Setup' page by clicking on the setup tab in application

The screenshot shows the 'Interest UDE Setup' page. At the top, there are fields for Product Code (REOP), Branch Code (009), and Effective Date (10/1/2017). Below this is a table for 'User Data Elements' with two rows:

Name	Value
REBATE	10
CONRATE	10

At the bottom, there are audit logs and copyright information:

Input By: LMUSER0
Authorized By: LMUSER0
Data Time: 03-11-2017 09:52:21 AM
Data Time: 03-11-2017 09:52:21 AM
Modification Number: 1
Open
Authorized
Oracle Banking Liquidity Management 14.0.0.0.0
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Product Code

Specify the product code. You can select the product code from the option list. The list displays all the product codes maintained in the system

Branch Code

Specify the branch code. You can select the branch code from the option list. The list displays all the branch codes maintained in the system

Currency Code

Specify the currency code. You can select the currency code from the option list. The list displays all the currency codes maintained in the system

Effective Date

Specify the date from which this will be effective

User Element

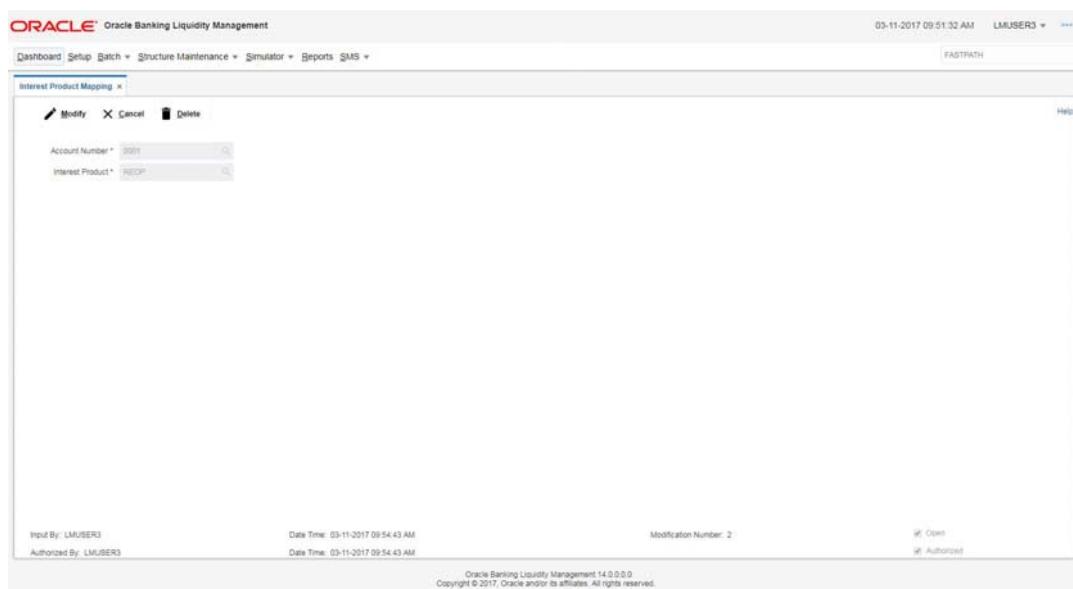
Specify the User Element what we have given in Interest Rule setup

User Element Value

Specify User Element Value.

4.3.2.4 Interest Product Mapping

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application



Account Number

Specify the account number to be mapped. You can select the account number from the option list. The list displays all the account numbers maintained in the system.

Interest Product

Specify the interest product. You can select the interest products from the option list. The list displays all the interest products maintained in the system. To set the IC product, we need to follow the below steps:

4.3.3 Interest Enhancement

Interest Enhancement method works by applying preferential pricing across a group of accounts on the basis of pre-determined criteria that are typically based on a net aggregate balance threshold.

For example, a company with multiple credit balances distributed across its various operating centers may find that individually these balances only qualify for the lowest interest-rate tier payable on credit balances. By contrast, under an interest-enhancement arrangement, the total of these balances is used to enhance the qualifying tier of the individual balances

The accounts participating in the enhancement pool will be attached with an enhancement rate card which has the interest slabs and their corresponding rates. These rates will be applied over and above the base interest rates (applied on to the accounts) to calculate and credit the enhancement rate

In some cases bank may offer premium interest rates in addition to the above (base rate + enhancement rate) for a balances in a specific currency in such cases one more rate card will be attached to that particular currency accounts and interest will be calculated on those accounts with rate as base rate + enhancement rate + premium rate

For Interest Enhancement method, we need to set the IC setup. Please follow the below steps:

4.3.3.1 Interest Rule Setup

You can invoke the 'Interest Rule Setup' page by clicking on the setup tab in application.



The screenshot shows a software interface for 'Interest Rule Setup'. At the top, there are buttons for 'Modify', 'Cancel', and 'Delete'. Below these are fields for 'Rule ID *' (containing 'IERU') and 'Rule Description *' (containing 'IC_Rule'). There are also checkboxes for 'Apply Interest on Account Opening Month' and 'Apply Interest on Account Closing Month'. At the bottom, there are tabs for 'System Data Elements' and 'User Data Elements', with 'System Data Elements' currently selected. The interface has a standard Windows-style look with a vertical scroll bar on the right.

Rule ID

Specify a rule ID.

Rule Description

Specify a description for the rule.

Apply Interest on Account Opening Month

Check this box to apply the interest on the account opening month.

System Data Elements

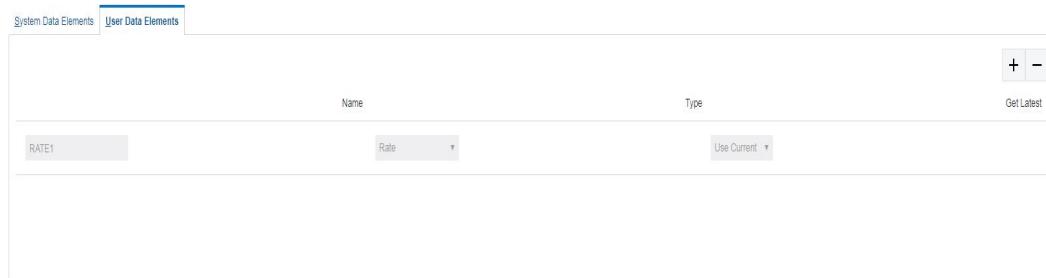


The screenshot shows a list of 'System Data Elements' on the Interest Rule Setup page. The elements listed are 'DAYS', 'LMVO_DR_BAL', 'LM_IERATE', and 'YEAR'. Each element has a small input field and a 'Delete' button next to it. The interface includes standard Windows-style buttons for 'Print Preview' and 'Print' at the bottom.

Click '+' button to add system elements. Specify the system elements like DAYS, LMVD_CR_BAL, LM_IERATE and YEAR. You can select the system elements from the option list.

User Elements

Specify a user elements as RATE.



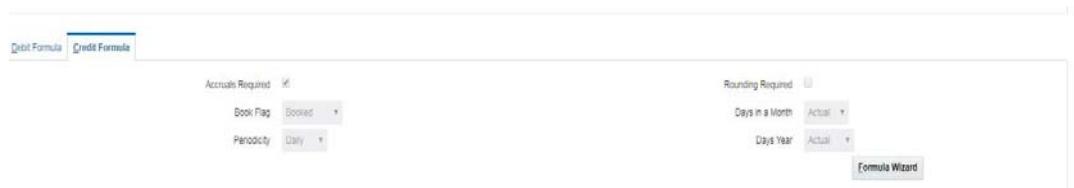
The screenshot shows a user interface for managing data elements. At the top, there are tabs for 'System Data Elements' and 'User Data Elements', with 'User Data Elements' being the active tab. Below the tabs is a table with the following columns: 'Name', 'Type', and 'Get Latest'. A single row is present in the table, containing the value 'RATE1' in the 'Name' column, 'Rate' in the 'Type' column, and 'Use Current' in the 'Get Latest' column. In the top right corner of the table area, there are '+' and '-' buttons, and a 'Get Latest' button.

Type

Select the type as "Rate" from the drop down list.

Get Latest

Select the option "Use Current" which is to be used as latest



The screenshot shows a configuration interface for a credit formula. At the top, there are tabs for 'Debit Formula' and 'Credit Formula', with 'Credit Formula' being the active tab. Below the tabs are several configuration sections: 'Accruals Required' (checkbox checked), 'Book Flag' (dropdown set to 'Booked'), 'Periodicity' (dropdown set to 'Daily'), 'Rounding Required' (checkbox checked), 'Days in a Month' (dropdown set to 'Actual'), and 'Days Year' (dropdown set to 'Actual'). In the bottom right corner, there is a 'Formula Wizard' button.

Accruals Required

Check this box if accrual are required.

Book Flag

Select the book flag "Booked" from the drop down list.

Periodicity

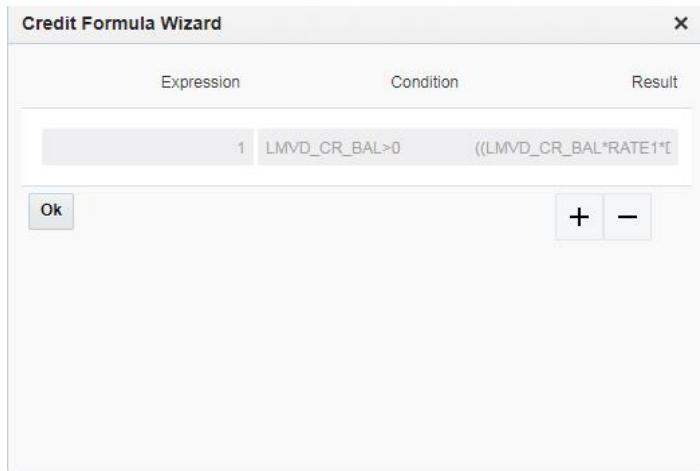
Select the frequency "Daily" from the drop down list.

Days in a Month

Select "Actual" from the drop down list. The options are:

Days Year

Select "Actual" from the drop down list.



Expression

Specify the expression for the formula

Condition

1 :- Specify the condition for the formula as

LMVD_CR_BAL>0

Result

Specify the expected result as $((LMVD_CR_BAL*RATE1*DAYS)/(YEAR*100))+((LMVD_CR_BAL*LM_IERATE*DAYS)/YEAR)$

2:-Specify the condition for the formula as

LMVD_DR_BAL>0

Result

Specify the expected result as $((LMVD_DR_BAL*RATE1*DAYS)/(YEAR*100))+((LMVD_DR_BAL*LM_IERATE*DAYS)/YEAR)$

4.3.3.2 Interest Product Setup

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application

Product Code

Specify a product code for the new interest product

Product Description

Specify a description for the new interest product.

Product Group

Specify the product group under which the new product is based. You can select the product group from the option list. The list displays all the product groups maintained in the system

Product Group Description

The system displays the description for the selected product group.

Rule

Specify the rule to be associated with the interest product. You can select the rule from the option list. The list displays all the rules maintained in the system

Rule Description

The system displays the description for the selected rule.

Start Date

Specify the start date of liquidation.

End Date

Specify the date till which the interest product will be active.

UDE Currency

Select the UDE currency to be associated with the product from the drop down list. The options are: Account Currency, Local Currency

Currency

Select the currency from the option list. The list displays all the currencies maintained in the system

Main Interest Rate UDE

Specify the main interest rate UDE. You can select the interest rate from the option list. The list displays all the interest rate UDEs maintained in the system

Frequency

Select the frequency of accrual "Daily" from the drop down list.

Cycle

Select the cycle for the accrual "None" from the drop down list.

Payment Method

Select the payment method for interest accrual "Bearing" from the drop down list.

Calculation & Liquidation Frequency

Days: 1
Year: 0
Month: 0
Start From Account Opening:
OD interest reversible:
Liquidation at Month Ends:
Back Value Recalculation Flag:
Defer Liquidation Days: 0
Defer Before Month End Days: 0
Liquidation before Month End:

Days

Specify the liquidation frequency as 1 for the Interest product being created.

Start From Account Opening

Check this box to start the calculation of liquidation from the start of account opening.

First Liquidation On

Specify the date for calculation of first liquidation.

Start Date

Specify the start date of liquidation.

4.3.3.3 Interest UDE Setup:

You can invoke the 'Interest UDE Setup' page by clicking on the setup tab in application

Name	Value
RATE1	10

Product Code

Specify the product code. You can select the product code from the option list. The list displays all the product codes maintained in the system

Branch Code

Specify the branch code. You can select the branch code from the option list. The list displays all the branch codes maintained in the system

Currency Code

Specify the currency code. You can select the currency code from the option list. The list displays all the currency codes maintained in the system

Effective Date

Specify the date from which this will be effective

User Element

Specify the User Element what we have given in Interest Rule setup

User Element Value

Specify User Element Value.

4.3.3.4 Interest Product Mapping

You can invoke the 'Interest Product Setup' page by clicking on the setup tab in application



Account Number

Specify the account number to be mapped. You can select the account number from the option list. The list displays all the account numbers maintained in the system.

Interest Product

Specify the interest product. You can select the interest products from the option list. The list displays all the interest products maintained in the system.

4.4 Interest Allocation Methods

The interest calculated for notional pooling has to be distributed to the participant accounts. The different allocation models which are supported by LM are as below:

- Central Distribution Model
- Even Distribution Model
- Even Direct Distribution Model
- Percentage Distribution Model
- Fair Share Model
- Reverse Fair Share Model
- Absolute Pro-Rata Model

4.4.1 Central Distribution Model

In this method, the interest\ advantage interest arrived is credited to one central account which can be one of the participant accounts or any other account

System will allow payment of this interest/charge to a particular/nominated account which can be done in two ways:

- Set off Method- Cr/Dr interest is paid to nominated accounts
- Non Set Off Method - Net interest is paid to nominated account

Set off method

Here Credit interest is calculated on aggregated daily credit balances and Debit interest is calculated on aggregated daily debit balances. The Debit and credit interests are posted separately to the nominated accounts.

Non-Set off method

Here the net interest position is calculated on the net balance of the pool and paid or charged to the master account.

4.4.2 Even Distribution Model

In this method, the interest\ advantage arrived is evenly distributed amongst the participant accounts

4.4.3 Even Direct Distribution Model

In this method the Interest reward is evenly spread across all accounts with positive balances.

4.4.4 Percentage Distribution Model

In this method, pre-defined percentage of the interest\ advantage arrived is distributed amongst the participant accounts.

4.4.5 Fair Share Model

In this method, If the net pool position is positive, the interest/advantage interest arrived is distributed amongst the positive contributors in the ratio of their contribution (**Both in Interest and Advantage models**).

If the net pool position is negative the interest amount is distributed amongst the negative contributors in the ratio of their contribution (**Interest model**)

If the net pool position is negative, the advantage interest amount is distributed amongst the negative contributors in the ratio of their contribution. For example, the interest calculated at the account level is @10% but the interest calculated at pool level is @8% taking into consideration few positive account contributors (**Advantage model**)

4.4.6 Reverse Fair Share Model

In this method, if the new pool position is positive, the interest/advantage interest arrived is distributed amongst the negative contributors in the ratio of their contribution (**Both in Interest and advantage models**)

If the net pool position is negative, the interest amount is distributed amongst the positive contributors in the ratio of their contribution (**Interest model**)

If the net pool position is negative, the advantage interest amount is distributed amongst the positive contributors in the ratio of their contribution (**Advantage model**)

4.4.7 Absolute Pro -Rata Model

In this method, absolute balances of all accounts would be considered and interest would be shared proportionately to all accounts.

4.5 Interest Reallocation

Interest reallocation is applicable only to central distribution model of interest allocation. The interest/ advantage interest credited to the central account which would be a treasury account is re-distributed amongst the participant accounts using any of the above discussed allocation models.

In allocation models the debit was to the Bank GL, In re-allocation model the debit will be to the central treasury.

Note

- Interest for the pool is calculated in the base currency of the pool header
- Interest reallocation from the header accounts will be in the account currency
- If the beneficiary account of a notional pool is in a different currency to that of the pool header, the interest amount posted is converted from the header account currency to the beneficiary account currency using the agreed FX rate between the two currencies

5. MultiBank Cash Concentration

Multi Bank Cash Concentration (MBCC) are automated cash management systems for corporations with at-least one third party bank account.

It is an automated means of centralizing balances held at third-party banks of the corporate (In this process liquidity is either transferred to the various TPB accounts or Liquidity is pulled out of various TPB accounts)

It caters to the corporate need to maintain important third-party local bank relationships for rendering truly localized services while optimizing the potential yield from liquidity consolidated with a global concentration bank

This chapter contains the following sections:

- Section 5.1, "Benefits of MBCC"
- Section 5.2, "Features in MBCC"
- Section 5.3, "Sweep Mechanism"
- Section 5.4, "MBCC System Setup"

5.1 Benefits of MBCC

The benefit of MBCC can be listed as below:

- Consolidates Cash balances effectively
- Enhances yield on surplus cash
- Better overview and easier access to group-wide liquidity
- Timely access to information and improved liquidity management

5.2 Features in MBCC

The following features are provided for MBCC in LM:

- Automated movement of funds across multiple third party bank accounts, currencies, banks and geographic regions
- Multi Bank Cash Concentration though SWIFT using MT940\MT941,MT942,MT950
- Flexibility to add or delete accounts in the MBCC structure
- Flexibility of movement at end of day, intra day, weekly (particular day of a week) or Monthly (particular day of a month)
- Flexible sweep types such as Zero / Target / Threshold / Collar balancing / Percentage
- Multi-currency multi bank cash concentration
- For sweeps (both inward and outward) which involve a currency conversion the FX rate would be picked up from maintenance

5.3 Sweep Mechanism

This following steps lists out the sweep mechanism through MT920 requests:

- Mirror account & a linked CASA account for all the third party accounts are created
- MT920 generation frequencies, MT920 start time and end time are defined for each mirror account

- Cut-off time for MT101 generation for sweep ins and cut off time for MT103 generation for sweep outs are defined for each mirror account
- Cut-off time for balance update on the mirror accounts from DDA system (Post recon of MT101 with MT103) to be set.

5.3.0.1 Sweep In

The steps followed for sweep in are as below:

- Account balances from the third party accounts are collected by Generating MT920 (Requesting MT940 or MT941 or MT942) as per the pre-defined frequency parameters and time intervals for each mirror account.
- System will be capable of handling incoming MT940/MT941,MT942,MT950 which need not be in response to an outgoing MT920 i.e. incoming MT940,MT941,MT942,MT950 may or may not be in response to outgoing MT920
- Mirror account balances will be updated by processing the response/incoming MT940,MT941,MT942
- Balances will be updated based on either MT940 (**Customer Statement**) or MT941 (**Balance report**) or MT942 (**Interim transaction report**)
- MT 940: Balance can be updated based on the closing available balance tag of the message and duplicates can be checked based on statement number/sequence number tag.
- MT941: Balance can be updated based on the closing available balance tag of the message and duplicates can be checked based on statement number tag
- When a MT942 (Interim transaction report from the last statement or balance report or the last interim report) is received the current available balance in the external account will be determined
- The same is achieved by taking the balance from the previous MT940 or MT942 and credits are added and debits are subtracted
- If the response/incoming MT940,MT941,MT942 updates a Credit balance in the mirror account, MT101 has to be generated at the cut off time for requesting a sweep-in.
- The processing of MT103 which is received in response to MT101 will update the designated CASA Account
- MT101 generation will cater to the following sweep types on third party accounts:
 - Zero balance sweep
 - Target balancing (Fixed)
 - Threshold balancing
 - Collar balancing
 - Percentage sweep

While generating MT101 request for funds, system will take in to consideration the sweep parameters set at the other bank (can be own bank or third party bank) to arrive at the amount. In some cases there can be combination of these parameters at work.

MT	MT Message	Purpose
920	Request Message	Requests the account servicing institution to send an MT 940, 941, 942 or 950
940	Customer Statement Message	Provides balance and transaction details of an account to a FI on behalf of the account owner

MT	MT Message	Purpose
941	Balance Report	Provides balance information of an account to a financial institution on behalf of the account owner
942	Interim Transaction Report	<p>Provides balance and transaction details of an account, for a specified period of time, to a financial institution on behalf of an account owner</p> <p>It is used to transmit detailed and/or summary information about entries debited or credited to the account since:</p> <ul style="list-style-type: none"> • The last statement or balance report, or • The last interim transaction report (sent in the period since the last statement or balance report).
950	Statement Message	Provides balance and transaction details of an account to the account owner

5.3.0.2 Sweep Out

The steps followed for sweep in are as below:

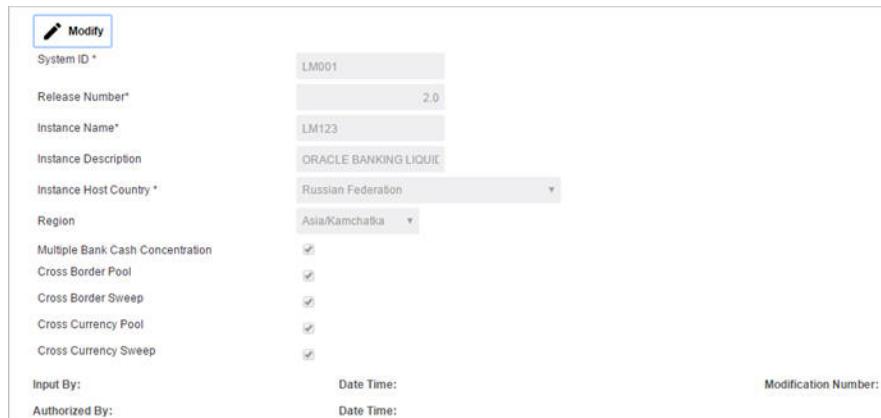
- If the response\ incoming MT940,MT941,MT942 updates a Debit balance in the mirror account, then a MT103 will be generated at the cut off time maintained for a sweep-out to regularize the debit balance on the third party account
- System will follow the sweep parameters set at the account level when arriving at the amount to be transferred via a MT103.
- The sweep parameters can be set as the following as an independent or a combination:
 - Zero balance sweep
 - Target balancing (Fixed)
 - Threshold balancing s
 - Collar balancing
 - Percentage sweep

5.4 MBCC System Setup

The following maintenance screens has to be configured to set up multi bank cash concentration structure:

5.4.1 System Set-Up Maintenance Screen

Allow multiple bank, Allow cross-border transaction and Allow cross-currency transaction options must be enabled at system level maintenance screen to allow bank to provide this feature.

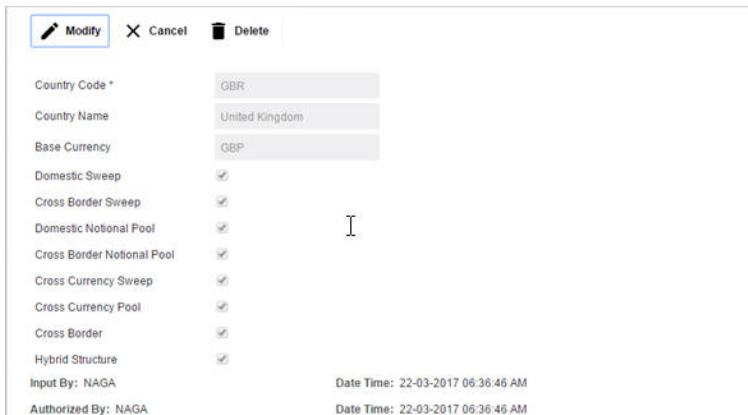


The screenshot shows a 'Modify' screen for a system instance. The instance is identified as 'LM001' with release number '2.0'. The instance name is 'LM123' and the description is 'ORACLE BANKING LIQUIDITY'. The host country is 'Russian Federation' and the region is 'Asia/Kamchatka'. Under the 'Multiple Bank Cash Concentration' section, several checkboxes are checked: 'Cross Border Pool', 'Cross Border Sweep', 'Cross Currency Pool', and 'Cross Currency Sweep'. The 'Input By' and 'Authorized By' fields are both set to 'NAGA'. The 'Modification Number' is 'Date Time: 22-03-2017 06:36:46 AM'.

5.4.2 Country Maintenance

The regulatory system must allow corporate to set-up MBCC in the country where liquidity management instance is running.

While defining a MBCC group the system will validate whether multiple bank facility is allowed in particular country.



The screenshot shows a 'Modify' screen for a country record. The country code is 'GBR' and the name is 'United Kingdom'. The base currency is 'GBP'. Under the 'Sweep' section, 'Domestic Sweep' and 'Cross Border Sweep' are checked. Under the 'Notional Pool' section, 'Domestic Notional Pool' and 'Cross Border Notional Pool' are checked. Under the 'Currency Pool' section, 'Cross Currency Sweep' and 'Cross Currency Pool' are checked. The 'Input By' and 'Authorized By' fields are both set to 'NAGA'. The 'Modification Number' is 'Date Time: 22-03-2017 06:36:46 AM'.

5.4.3 Bank Maintenance

The following parameters must be enabled at bank level to support MBCC

Bank type field is required to identify the bank as internal bank or external bank.

Group name is captured to identify the accounts belonging to different banks of same group as host bank account. Based on the liquidity management products offered by bank the following options should be selected

- Domestic sweep
- Cross border sweep

- Multi Bank Cash Concentration

Save Cancel

Bank Code *	100	Bank Name*	Demo Bank
Bank Type*	Internal	Domestic Sweep	<input checked="" type="checkbox"/>
Cross Border Sweep	<input checked="" type="checkbox"/>	Domestic Pooling	<input checked="" type="checkbox"/>
Cross Border Pooling	<input checked="" type="checkbox"/>	Multi Bank Cash Concentration	<input checked="" type="checkbox"/>
Address			
Line 1*	abc	Line 2	
Line 3		Line 4	
Additional Information			

5.4.4 Branch Maintenance

The following parameters must be enabled at branch level to support MBCC

Based on the liquidity management products offered by bank the following options should be selected

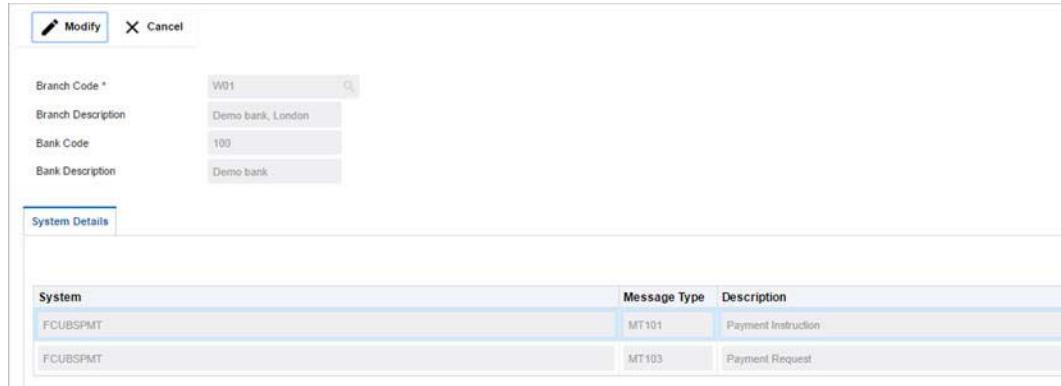
- Domestic sweep
- Cross border sweep

Modify Cancel

Branch Code*	100	Branch Name *	90 Long Acre, London WC
Bank Code *	100	Domestic Pooling	<input checked="" type="checkbox"/>
Cross Border Sweep	<input checked="" type="checkbox"/>	Domestic Sweep	<input checked="" type="checkbox"/>
Cross Border Pooling	<input checked="" type="checkbox"/>	Local Clearing Code	
Bic Code		Local Currency *	
Balance Type			
Address			
Line 1*	90 Long Acre, London WC	Line 2	
Line 3		Line 4	
Country *	United Kingdom	Region *	Europe/London

5.4.5 Payment Instruction Maintenance

You can maintain payment parameter values at bank level for all the internal and external banks participating in liquidity management structure. The values captured in this screen will be handed off to payment systems to initiate domestic or cross border sweep.



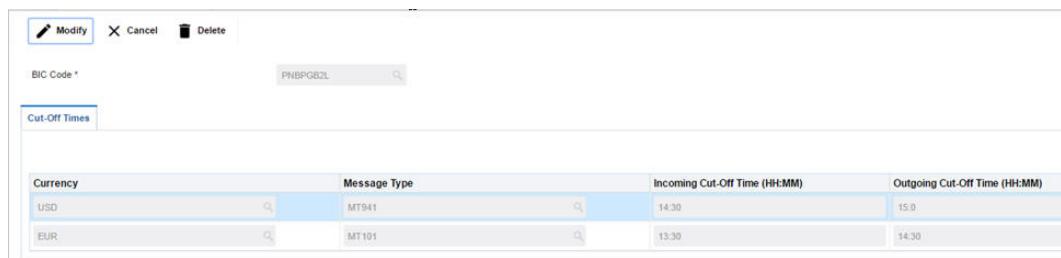
The screenshot shows a maintenance screen for payment instructions. At the top, there are fields for Branch Code (W01) and Branch Description (Demo bank, London). Below these are fields for Bank Code (100) and Bank Description (Demo bank). A 'System Details' tab is selected, showing a table of systems and their message types and descriptions:

System	Message Type	Description
FCUBSPMT	MT101	Payment Instruction
FCUBSPMT	MT103	Payment Request

5.4.6 MBCC Currency Cut Off Maintenance

Branch level & Currency level cut off are maintained in here. If the message arrives after the cut-off time, balance will not be considered for upcoming sweep schedule.

Exception messages will be logged separately.



The screenshot shows a maintenance screen for currency cut-off times. At the top, there is a field for BIC Code (PHBPG02L). Below this is a 'Cut-Off Times' tab, which displays a table of currencies, message types, and their corresponding cut-off times:

Currency	Message Type	Incoming Cut-Off Time (HH:MM)	Outgoing Cut-Off Time (HH:MM)
USD	MT941	14:30	15:0
EUR	MT101	13:30	14:30

6. Maintaining Parameters for Global Liquidity Management

6.1 Introduction

You need to maintain certain parameters before you define account structures for global liquidity management process. They are:

- System Setup
- Country Regulatory Compliance Setup
- Bank Setup
- Branch Setup
- Payment Instruction Setup
- Currency Setup
- Currency Pair Setup
- Currency Exchange Setup
- Branch Holiday Setup
- Currency Holiday Setup
- Customer Setup
- Account Setup
- Sweep Frequency Setup
- External System Setup
- Sweep Product Setup
- Sweep Instruction Setup
- MBCC Currency Cutoff Setup
- Interest Rule Setup
- Interest Product Setup
- Interest UDE Setup
- Interest Product Mapping Setup
- File Upload

This chapter contains the following sections:

- Section 6.2, "Maintaining System Setup"
- Section 6.3, "Maintaining Bank Setup"
- Section 6.4, "Maintaining Branch Details"
- Section 6.5, "Maintaining Payment Instructions"
- Section 6.6, "Maintaining Currency Definitions"
- Section 6.7, "Maintaining Country Regulatory Compliance Setup"
- Section 6.8, "Maintaining Currency Exchange Setup"
- Section 6.9, "Maintaining Branch Holiday Setup"
- Section 6.10, "Maintaining Currency Holiday Setup"
- Section 6.11, "Maintaining Customer Setup"
- Section 6.12, "Maintaining Account Setup"

- Section 6.13, "Maintaining Sweep Frequency Setup"
- Section 6.14, "Maintaining External System Setup"
- Section 6.15, "Maintaining Sweep Product Setup"
- Section 6.16, "Maintaining Sweep Instruction Setup"
- Section 6.17, "Maintaining Currency Cut off Setup"
- Section 6.18, "Maintaining Interest Rule Setup"
- Section 6.19, "Maintaining Interest Product Setup"
- Section 6.20, "Maintaining Interest UDE Setup"
- Section 6.21, "Maintaining Interest Product Mapping Setup"
- Section 6.22, "Maintaining File Upload"

6.2 Maintaining System Setup

You can use the System Setup for maintaining the system level parameters. Click on Setup Tab to open the setup page. Now click on System Setup to open the system setup page

..

 [Modify](#) Help

System ID	LM001	Release Number	2.4
Instance Name	LM1234	Instance Description	Oracle
Instance Host Country	Lithuania	Region	Europe/Vilnius
Multi Bank Cash Concentration <input checked="" type="checkbox"/>			

Products

Sweep <input checked="" type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input checked="" type="checkbox"/>
Pool <input checked="" type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input checked="" type="checkbox"/>
Hybrid <input checked="" type="checkbox"/>	Domestic Sweep <input checked="" type="checkbox"/>	Cross Border Sweep <input checked="" type="checkbox"/>	Cross Currency Sweep <input checked="" type="checkbox"/>
	Domestic Pool <input checked="" type="checkbox"/>	Cross Border Pool <input checked="" type="checkbox"/>	Cross Currency Pool <input checked="" type="checkbox"/>

Input By: _____ Date Time: _____ Modification Number: _____ Open _____

Authorized By: _____ Date Time: _____ Authorized _____

You are required to input the following details in this screen:

System ID

Specify the unique system ID. This is usually a back-end upload.

Release No

Specify the LM release number. This is usually a back-end upload.

Instance Name

Specify the name of the LM instance. This is usually a back-end upload

Instance Description

Specify a description if any for the instance. This is usually a back-end upload.

Instance Host Country

Select the ISO code of the country in which the instance has been installed from the drop down list.

Region

Select the region in which the instance is installed from the drop down list.

Multiple Bank Cash Concentration

Check this box to allow set up of Multi Bank Cash Concentration Liquidity Structures.

Sweep

Check this box to select domestic/cross border/cross currency in selected banks.

Domestic Sweep

Check this box if selected banks allow domestic sweeps.

Cross Border Sweep

Check this box if selected banks allow cross border sweeps.

Cross Currency Sweep

Check this box if selected banks allow cross currency sweeps.

Pool

Check this box to select domestic/cross border/cross currency in selected banks.

Domestic Pool

Check this box if selected banks allow domestic pool.

Cross Border Pool

Check this box if selected banks allow cross border pool.

Cross Currency Pool

Check this box if selected banks allow cross currency pool.

Hybrid

Check this box to select domestic/cross border/cross currency for selected banks.

Domestic Sweep Hybrid

Check this box if selected banks allow domestic sweeps hybrid.

Cross Border Sweep Hybrid

Check this box if selected banks allow cross border sweeps hybrid.

Cross Currency Sweep Hybrid

Check this box if selected banks allow cross currency sweeps hybrid.

Domestic Pooling Hybrid

Check this box if selected banks allow domestic pool hybrid.

Cross Border Pool Hybrid

Check this box if selected banks allow cross border pool hybrid.

Cross Currency Pool Hybrid

Check this box if selected banks allow cross currency pool hybrid.

Action When Account Is Blocked

Indicate the action to be taken by the system when an account in the structure is blocked. You can select one the following options;

- Skip Account Pair - Skip the account pair and continue with the rest of the structure
- Skip Whole Structure - Skip the whole structure

Custom Parameters

Specify any custom parameters specific to the instance. Click '+' to add a row and specify the **Parameter**, **Value** and **Description** of the same. Click '-' to remove a row.

6.3 Maintaining Bank Setup

Bank setup maintenance captures details of the banks participating in Liquidity Management. This set up is done both for the Host bank and the External banks. Click on Bank Setup link in the System Setup page to open the Bank Maintenance page.

The screenshot shows the 'Bank Maintenance' page with the following fields:

- Bank Code:** LM
- Bank Name:** Wells_Bank
- Bank Type:** External
- BVT Allowed:**
- Products:**

Sweep <input type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input type="checkbox"/>
Pool <input type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input type="checkbox"/>
Hybrid <input type="checkbox"/>	Domestic Sweep <input type="checkbox"/>	Cross Border Sweep <input type="checkbox"/>	Cross Currency Sweep <input type="checkbox"/>
	Domestic Pool <input type="checkbox"/>	Cross Border Pool <input type="checkbox"/>	Cross Currency Pool <input type="checkbox"/>
- Address:**

Line 1: Bengaluru	Line 2:
Line 3:	Line 4:
- Parameters:**

Input By: LMUSER1	Date Time: 13-09-2017 08:55:16 AM	Modification Number: 1	<input checked="" type="checkbox"/> Open
Authorized By: LMUSER1	Date Time: 13-09-2017 08:55:16 AM		<input checked="" type="checkbox"/> Authorized

You are required to input the following details in this screen:

Bank Code

Specify the bank code. You can select the bank code from the option list.

Bank Name

The system displays the bank name based on the selected bank code.

Bank Type

Select the bank type from the drop down list. The options are:

- Internal - This is the bank that is implementing the OBLM
- External - These banks are different from the implementing bank

Sweep

Check this box to select domestic/cross border/cross currency in selected banks.

Domestic Sweep

Check this box if selected banks allow domestic sweeps.

Cross Border Sweep

Check this box if selected banks allow cross border sweeps.

Cross Currency Sweep

Check this box if selected banks allow cross currency sweeps.

Pool

Check this box to select domestic/cross border/cross currency in selected banks.

Domestic Pool

Check this box if selected banks allow domestic pool.

Cross Border Pool

Check this box if selected banks allow cross border pool.

Cross Currency Pool

Check this box if selected banks allow cross currency pool.

Hybrid

Check this box to select domestic/cross border/cross currency for selected banks.

Domestic Sweep Hybrid

Check this box if selected banks allow domestic sweeps hybrid.

Cross Border Sweep Hybrid

Check this box if selected banks allow cross border sweeps hybrid.

Cross Currency Sweep Hybrid

Check this box if selected banks allow cross currency sweeps hybrid.

Domestic Pooling Hybrid

Check this box if selected banks allow domestic pool hybrid.

Cross Border Pool Hybrid

Check this box if selected banks allow cross border pool hybrid.

Cross Currency Pool Hybrid

Check this box if selected banks allow cross currency pool hybrid.

BVT Allowed

Check this box if selected banks allow BVT.

Multi Bank Cash Concentration

Check this box if the selected banks is to participate in MBCC.

If the Bank is internal and this box is selected, it means that the host bank supports MBCC.

If the Bank is external and this box is selected, it means that the host bank can create MBCC structures involving these banks

Address

Specify the address of the bank.

Additional Information

Specify additional parameters if any. Click '+' to add a row and specify the **Parameter, Value** of the same. Click '-' to remove a row.

Upload

Click Upload button to upload the bank details using excel sheet.

6.4 Maintaining Branch Details

Branch setup allows you to maintain the branch details. Click on Branch Setup link in the Setup page to open the Branch Maintenance page

The screenshot shows the Oracle Branch Setup page. The top navigation bar has tabs for 'Setup' and 'Branch Setup'. Below the tabs, there are several input fields and checkboxes for branch details. The 'Products' section includes checkboxes for Sweep, Pool, and Hybrid, each with sub-options for Domestic, Cross Border, and Cross Currency. The 'Address' section includes fields for Line 1 (STREET 11), Line 2, Line 3, Line 4, and Region (Asia/Hong_Kong).

Products	
<input checked="" type="checkbox"/> Sweep	Domestic <input type="checkbox"/>
<input checked="" type="checkbox"/> Pool	Cross Border <input type="checkbox"/>
<input checked="" type="checkbox"/> Hybrid	Cross Currency <input type="checkbox"/>
	Domestic Sweep <input type="checkbox"/>
	Domestic Pool <input type="checkbox"/>
	Cross Border Sweep <input type="checkbox"/>
	Cross Border Pool <input type="checkbox"/>
	Cross Currency Sweep <input type="checkbox"/>
	Cross Currency Pool <input type="checkbox"/>

Address	
Line 1 *	STREET 11
Line 3	
Country Name *	Hong Kong
Line 2	
Line 4	
Region *	Asia/Hong_Kong

You are required to input the following detail in this screen:

Branch Code

Specify the branch code.

Branch Name

Specify the name of the branch.

Bank Code

Specify the bank code. You can select the bank code from the option list. The list displays all the bank codes maintained in the system.

Pool

Check this box to select domestic/cross border/cross currency for selected branch.

Domestic Pool

Check this box if the selected branch allows domestic pool.

Cross Border Sweep

Check this box if the selected branch allows cross border sweeps.

Cross Currency Sweep

Check this box if the selected branch allows cross currency sweeps.

Sweep

Check this box to select domestic/cross border/cross currency for selected branch.

Domestic Sweep

Check this box if the selected branch allows domestic sweeps.

Cross Border Pool

Check this box if the selected branch allows cross border pool.

Cross Currency Pool

Check this box if the selected branch allows cross currency pool.

Hybrid

Check this box to select domestic/cross border/cross currency for selected branch.

Domestic Hybrid Pool

Check this box if the selected branch allows domestic hybrid pool.

Cross Border Hybrid Sweep

Check this box if the selected branch allows cross border hybrid sweeps.

Cross Currency Hybrid Sweep

Check this box if the selected branch allows cross currency hybrid sweeps.

Domestic Hybrid Sweep

Check this box if the selected branch allows domestic hybrid sweeps.

Cross Border Hybrid Pool

Check this box if the selected branch allows cross border hybrid pool.

Cross Currency Hybrid Pool

Check this box if the selected branch allows cross currency hybrid pool.

Bic Code

Specify BIC code relevant for the branch.

External Reference

Specify the External Reference for branch.

Date

This date reflected on the field will be the current date of the branch.

Cross Border Pooling

Check this box if the selected branch allows cross border pooling.

Local Clearing Code

Specify local clearing code for the selected branch.

BIC Code

Specify BIC code relevant for the branch.

Local Currency

Select the local currency used by the branch from the drop down list.

Balance Type

Select the balance type from the drop down menu. The options are:

- Online - The account balances are fetched from DDA when sweep happens
- Offline - The account balances maintained in LM by file upload are fetched for sweeps

Address

Specify the address of the branch in the text fields.

Additional Information

Specify additional information if any. Click '+' to add a row and specify the **Parameter** and **Value**. Click '-' to remove a row.

6.5 Maintaining Payment Instructions

Payment Instructions are maintained to define cross border payments for banks. Click on Payment Instruction Setup link in the Setup page to open the Payment Instruction Setup page..

The screenshot shows a web-based application interface for maintaining payment instructions. At the top, there are buttons for '+ New', 'Get Details', 'Upload', and 'Help'. The main area contains the following fields:

- External System ID:** RTY (with a search icon)
- Service Name:** SWIFT103
- Network Type:** Swift
- Message Type:** MT103

Below these fields are two sections:

- Interface Parameters:** A table with columns 'Name' and 'Value'. It displays the message: "No data to display".
- Parameters:** A table with columns 'Input By:', 'Date Time:', 'Modification Number:', 'Open' (checkbox), 'Authorized By:', 'Date Time:', and 'Authorized' (checkbox).

Click on **New** button to add a new payment instruction. You are required to input the following details in this screen:

External System ID

Specify the external system ID for which the instruction is to be set. You can select the relevant external system from the option list. The list displays all the external system id maintained in the system.

Service Name

The system displays the service name for selected external system Id.

Network Type

The system displays network type for the selected external system Id.

Message Type

The system displays message type for the selected external system Id.

Name

Specify the interface parameter name for interface instruction.

Value

Specify the interface parameter value for interface instruction.

Event Code

Specify the event code for interface instruction.

Event Description

Specify the event description for interface instruction.

Parameter Name

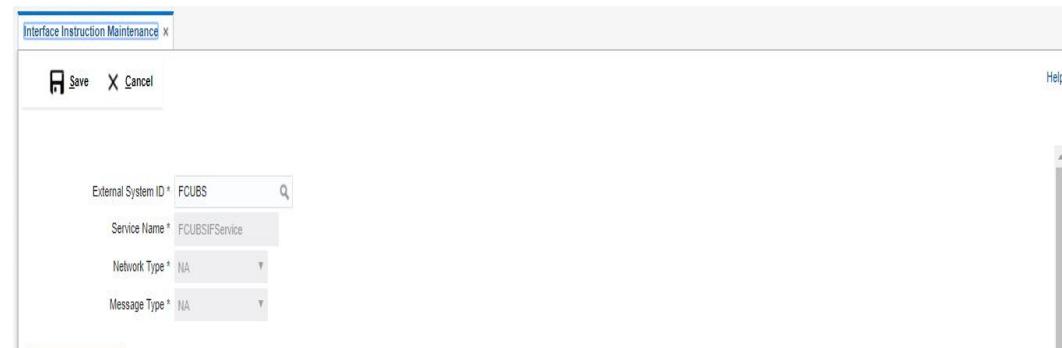
Specify the parameter name.

Parameter Value

Specify the parameter value. Dynamic values are entered as #.

6.5.1 Maintaining System Details

Click '+' to add a row



The screenshot shows a software interface titled 'Interface Instruction Maintenance'. At the top, there are buttons for 'Save' and 'Cancel'. Below the buttons, there are four input fields: 'External System ID' (set to 'FCUBS'), 'Service Name' (set to 'FCUBSISService'), 'Network Type' (set to 'NA'), and 'Message Type' (set to 'NA').

You can specify the following system details:

External System ID

User has to select External System ID and Service from LOV, for which interface instruction need to be setup

Click +/- to add/remove a row.

6.5.2 Maintaining Payment Parameters

Specify the payment parameters for each system. Select the System for which the payment parameters are to be set. Click '+' to add a row.



The screenshot shows the same 'Interface Instruction Maintenance' window as before, but with a 'Modify' button highlighted. Below the system details, there is a section titled 'Interface Parameters' containing a table. The table has two rows: 'TO_ACC_BRANCH' with value '#TO_ACC_BRANCH' and 'MODULE' with value 'DE'. There are also buttons for adding (+) and removing (-) rows.

You can specify the following details:

Parameter Name

Specify the parameter name.

Parameter Value

Specify the parameter value. Dynamic values are entered as #.

Click '-' to remove a row.

Click **Save** button to save the changes.

6.5.3 Maintaining Parameters and Event

You can set customizable parameters and event for External Systems added. Select the External System and Service for which the parameters/event are to be added. Click '+' button to add row under 'Parameter' section.

Parameters	
Name	Value
wsdl	http://10.184.157.222:7015/FCUBSIService/FCUBSIService?WSDL

Event	
Event Code	Event Description
STS1-AH	Accounting Handoff

Input By: LMADMINUSER2 Date Time: Modification Number: 1 Open
Authorized By: LMADMINUSER2 Date Time: Authorized

You can input the following details for parameters:

Param Name

Specify the name of the parameter which has to be added.

Param Value

Specify the value for the parameter which has to be added.

You can input the following details for event:

Event Code

Specify the Code of the event which has to be added.

Event Description

Specify the description for the event which has to be added.

6.6 Maintaining Currency Definitions

Currency setup allows to maintain and define the currencies supported by the bank. Click on Currency Setup link in the Setup page to open the Currency Definition page.



The screenshot shows a form for adding a new currency. At the top, there are buttons for '+ New' (highlighted in red), 'Get Details', and 'Upload'. On the right, there is a 'Help' link. The form contains the following fields:

Currency Code *	<input type="text"/>	Currency Name *	<input type="text"/>
Spot Days *	<input type="text"/>	ISO Numeric Currency Code *	<input type="text"/>
Rounding Rule *	<input type="button" value="▼"/>	Interest Method *	<input type="button" value="▼"/>
Decimals	<input type="text"/>	Settlement Message Days *	<input type="text"/>
Foreign Exchange Netting Days	<input type="text"/>	IE Participation	<input type="checkbox"/>
Rounding Units	<input type="text"/>	IE Benefit	<input type="checkbox"/>

Click on **New** button to add a new currency. You are required to input the following details in this screen:

Currency Code

Specify the currency code of the currency.

Currency Name

Specify the name of the currency.

Spot Days

Specify the spot days for the foreign exchange of currency.

ISO Numeric Currency Code

Specify the ISO numeric currency code for the added currency.

Rounding Rule

Select the rounding rule for the currency from the drop down menu. The options are:

- Truncate
- Up
- Down
- Round Near

Decimals

Specify the decimals allowed for the currency.

Interest Method

Select the interest method for the currency from the drop down list. The options are:

- 30 - Euro/360
- 30- US/360
- Actual/360
- 30 - Euro/365
- 30- US/365
- Actual/365
- 30 - Euro/Actual
- 30- US/Actual
- Actual/Actual

Foreign Exchange Netting Days

Select the foreign exchange netting days for the currency.

Settlement Message Days

Select the settlement message days for the currency.

Rounding Units

Specify the rounding units for the currency

IE Participation

Check this box to allow the accounts in Interest Enhancement Structure

IE Benefit

Check this box to allow the accounts in Interest Enhancement Structure

Click **Save** to save the details.

6.7 Maintaining Country Regulatory Compliance Setup

Country Regulatory Compliance setup allows you to define country level liquidity management regulatory compliance. Click on Country Regulatory Compliance Setup link in the Setup page to open the Country Regulatory Compliance Setup page.\

The screenshot shows a user interface for managing country regulatory compliance. At the top, there are buttons for '+ New', 'Get Details', 'Upload', and 'Help'. Below these are fields for 'Country Code *' (with a dropdown arrow), 'Country Name' (with a search icon), and 'Currency Code *'. There are also checkboxes for 'IE Participation' and 'IE Benefit'. A section titled 'Products' contains eight checkboxes arranged in a 2x4 grid: 'Sweep', 'Domestic', 'Cross Border', 'Cross Currency'; 'Pool', 'Domestic', 'Cross Border', 'Cross Currency'; 'Hybrid', 'Domestic Sweep', 'Cross Border Sweep', 'Cross Currency Sweep'; and 'Domestic Pool', 'Cross Border Pool', 'Cross Currency Pool'.

Click on **New** button to add regulatory compliance for a country. You are required to input the following details in this screen:

Country Code

Specify the country code of the country for which the compliance is to be set. You can select the relevant country code from the option list. The list displays all the country codes maintained in the system

Country Name

Specify the name of the country.

Currency Code

Input the base currency

Domestic Sweep

Check this box to allow domestic sweep for the accounts in the country.

Cross Border Sweep

Check this box to allow cross border sweep for the accounts in the country.

Domestic Pool

Check this box to allow domestic pool for the accounts in the country.

Pool

Check this box to select domestic/cross border/cross currency pool account pairs in the country.

Cross Border Pool

Check this box to allow cross border pool for the accounts in the country.

Cross Currency Sweep

Check this box to allow cross currency account pairs in the country.

Cross Currency Pool

Check this box to allow cross currency pool for the accounts in the country.

Sweep

Check this box to select domestic/cross border/cross currency sweep account pairs in the country.

Hybrid

Check this box to select domestic/cross border/cross currency hybrid account pairs in the country.

Domestic Hybrid Sweep

Check this box to allow domestic hybrid sweep for the accounts in the country.

Cross Border Hybrid Sweep

Check this box to allow cross border hybrid sweep for the accounts in the country.

Cross Currency Hybrid Sweep

Check this box to allow cross currency hybrid sweep account pairs in the country.

Domestic Pool Hybrid

Check this box to allow domestic hybrid pool for the accounts in the country.

Cross Border Pool Hybrid

Check this box to allow cross border hybrid pool for the accounts in the country.

Cross Currency Pool Hybrid

Check this box to allow cross Currency hybrid pools for the accounts in the country.

Allowed Account Type

Select the account type allowed in the country from the drop down list. The options are:

- Resident
- Non Resident
- Both
- Not Applicable

IE Participation

Check this box to allow the accounts in Interest Enhancement Structure.

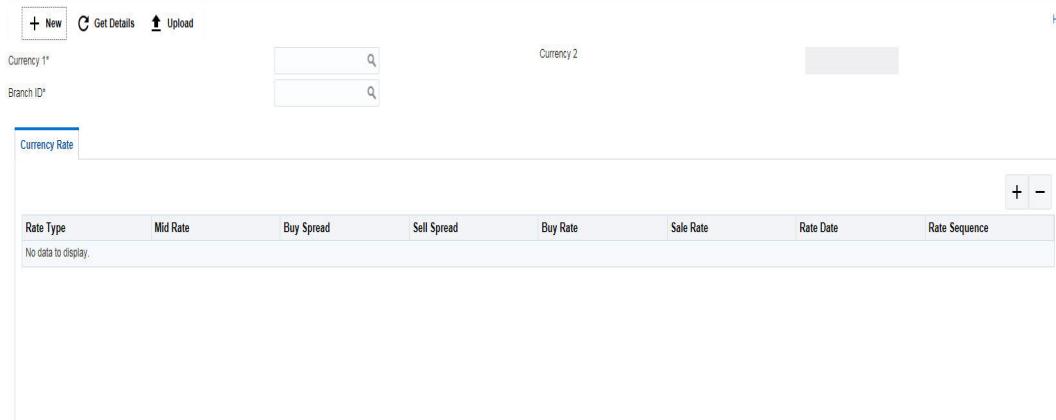
IE Benefit

Check this box to allow the accounts in Interest Enhancement Structure.

Click **Save** to save the details.

6.8 Maintaining Currency Exchange Setup

Currency Exchange setup allows you to define the currency exchanges rates for pairs. Click on Currency Pair Setup link in the Setup page to open the Currency Pair Maintenance page.



The screenshot shows a user interface for maintaining currency exchange rates. At the top, there are buttons for '+ New', 'Get Details', 'Upload', and 'Help'. Below these are fields for 'Currency 1*' (with a search icon) and 'Branch ID*' (with a search icon). The main area is titled 'Currency Rate' and contains a table with columns: Rate Type, Mid Rate, Buy Spread, Sell Spread, Buy Rate, Sale Rate, Rate Date, and Rate Sequence. A message 'No data to display.' is shown below the table. There are '+ -' buttons at the top right of the table.

Click on **New** button to setup currency exchange rates. You are required to input the following details in this screen:

Currency 1

Specify the first currency for the pair.

Currency 2

Specify the second currency for the pair.

Branch ID

Specify the branch ID for which the currency exchange rate is created. You can select the branch ID from the option list. The list displays all the branch IDs maintained in the system.

Click '+ button to add rows in **Currency Rate** section.



The screenshot shows a 'Modify' screen for currency exchange rates. It has fields for 'Currency 1*' (GBP) and 'Branch ID*' (100). The main area is titled 'Currency Rate' and contains a table with columns: Rate Type, Mid Rate, Buy Spread, Sell Spread, Buy Rate, Sale Rate, Rate Date, and Rate Sequence. A single row is shown with 'STANDARD' as the rate type, '1.25' as the mid rate, and other fields filled with '1.25'. There are '+ -' buttons at the top right of the table.

You can specify the following details:

Rate Type

Select the rate type from the drop down list. The options are:

- TC
- BILLS
- CASH
- DD
- STANDARD

- REVAL
- LREPAY

Mid Rate

Specify the mid rate for the currency pair.

Buy Spread

Specify the buy spread rate for the currency pair.

Sell Spread

Specify the sell spread rate for the currency pair.

Buy Rate

Specify the buy rate for the currency pair.

Sale Rate

Specify the sale rate for the currency pair.

Rate Date

Specify the rate date for the currency pair.

Rate Sequence

Specify the rate sequence for the currency pair.

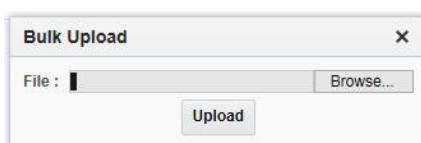
Click **Save** to save the details.

6.9 Maintaining Branch Holiday Setup

Branch Holiday setup allows you to define the holiday dates for a country. Click on Branch Holiday Setup link in the Setup page to open the Branch Holiday Set-Up page.

6.9.1 Uploading Branch Holidays

The holiday lists for any particular branch is usually uploaded either using CSV files or through web-service. Click on 'Upload' button to open the upload window.



Click 'Browse' to search for the file and click 'Upload'.

6.9.2 Adding Adhoc Holidays

To add ad hoc holidays, click on **New** button. You are required to input the following details in this screen:

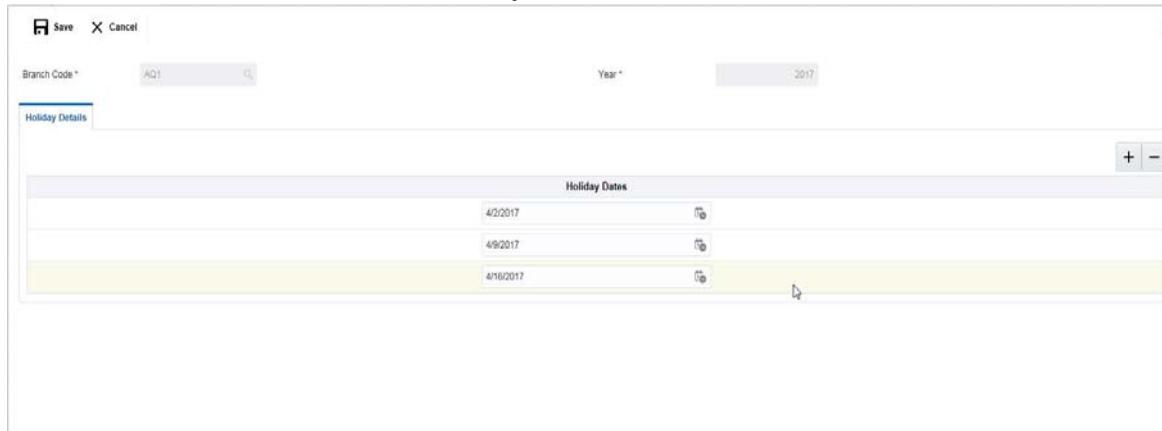
Branch Code

Specify the branch code for which to set holidays

Year

Specify the year to set dates

Click '+' button to add rows in **Holiday Dates** section.



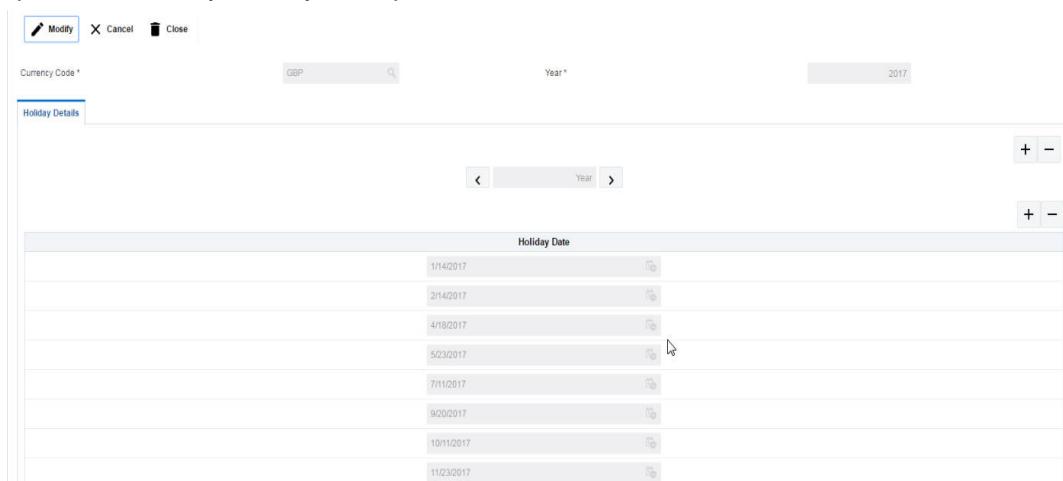
Holiday Dates	
4/2/2017	
4/9/2017	
4/16/2017	

Click **Save** to save the details.

The holidays added will also be updated in the DDA.

6.10 Maintaining Currency Holiday Setup

Currency Holiday setup allows you to define the dates on which there will be no settlement of prior transactions for a currency. Click on Currency Holiday Setup link in the Setup page to open the Currency Holiday Set-Up..



Holiday Date	
1/14/2017	
2/14/2017	
4/18/2017	
5/23/2017	
7/1/2017	
9/20/2017	
10/11/2017	
11/23/2017	

Click on **New** button to setup holiday dates for a currency. You are required to input the following details in this screen:

Currency Code

Specify the currency code for which the holiday dates are to set. You can also select it from the option list. The list displays all the currencies maintained in the system.

Year

Click ‘+’ button to add row under year section. Specify the year for which the holidays are to be set.

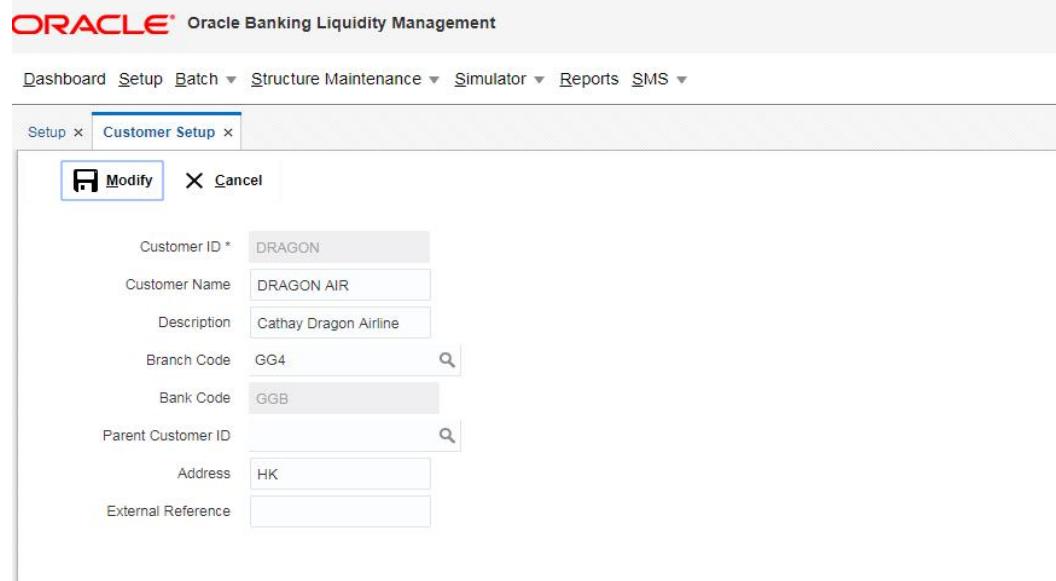
Holiday Date

Click ‘+’ button to add row under Holiday Date section. Specify the holiday dates. You can select the holiday dates using the calender.

Click **Save** to save the details.

6.11 Maintaining Customer Setup

Customer setup allows you to define the customers. Click on Customer Setup link in the Setup page to open the Customer Maintenance page..\\



Customer ID *	DRAGON
Customer Name	DRAGON AIR
Description	Cathay Dragon Airline
Branch Code	GG4
Bank Code	GGB
Parent Customer ID	
Address	HK
External Reference	

Click on **New** button to add customer. You are required to input the following details in this screen:

Customer ID

Specify the customer ID.

Customer Name

Specify the name of the customer.

Description'

Specify a description for the added customer.

Branch Code

Specify the branch code to which the customer belong to. You can select the branch code from the option list. The list displays all the branch codes maintained in the system.

Bank Code

The system displays the bank code as per the selected branch code.

Parent Customer ID

Specify the parent customer of the new customer. You can select the parent customer ID from the option list. The list displays all the customer IDs maintained in the system

Address

Specify the address of the customer.

External Reference

Specify the external reference for Customer

Input By:

Reflects the User ID using which the customer record has been created

Authorized By :

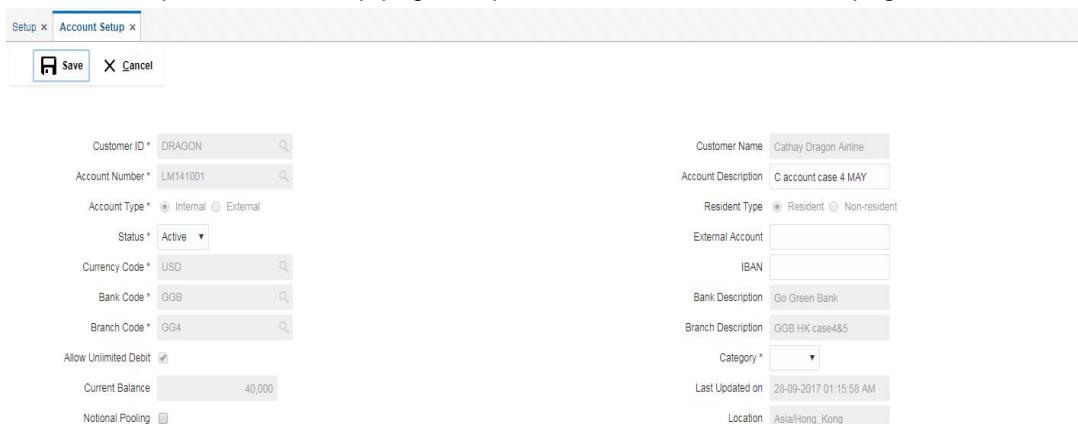
Reflects the User ID using which the customer record has been authorized

Added Customer has to be Authorized by different user which has the authorization role assigned.

Click **Save** to save the details.

6.12 Maintaining Account Setup

Account setup allows you to define the participating accounts for a customer ID. Click on Account Setup link in the Setup page to open the Account Maintenance page..\\



The screenshot shows the 'Account Setup' page with the following fields:

Customer ID *	DRAGON	Customer Name	Cathay Dragon Airline
Account Number *	LM141001	Account Description	C account case 4 MAY
Account Type *	<input checked="" type="radio"/> Internal <input type="radio"/> External	Resident Type	<input checked="" type="radio"/> Resident <input type="radio"/> Non-resident
Status *	Active	External Account	
Currency Code *	USD	IBAN	
Bank Code *	GGB	Bank Description	Go Green Bank
Branch Code *	GG4	Branch Description	GGB HK case4&5
Allow Unlimited Debit	<input checked="" type="checkbox"/>	Category *	
Current Balance	40,000	Last Updated on	28-09-2017 01:15:58 AM
Notional Pooling	<input type="checkbox"/>	Location	Asia/Hong_Kong

Click on **New** button to add an account. You are required to input the following details in this screen:

Customer ID

Specify the customer ID. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system

Customer Name

The system displays the name of the customer.

Account Number

Specify the account number of the customer.

Account Description

Specify a description for the account.

Account Resident Type

Indicate the resident type of the account to be maintained. The options are:

- Resident
- Non - Resident

Account Status

Select the status of the account from the drop down list. The options are:

- Active
- Blocked

Account Type

Indicate the type of the account to be maintained. The options are:

- Internal
- External

External Account

Specify the external account number. The field will be enabled only if the account type selected is External.

Currency

Specify the currency of the account. You can select the currency from the option list. The list displays all the currencies maintained in the system

Bank ID

Select the Bank associated with the account. You can select the bank ID from the option list. The list displays all the bank IDs maintained in the system

Bank Description

The system displays the description of the bank.

Branch ID

Select the Branch associated with the account. You can select the branch ID from the option list. The list displays all the branch IDs maintained in the system

Branch Description

The system displays the description of the branch.

Allow Unlimited Debit

Check this box to allow unlimited debit for the account.

Debit Threshold

Specify the debit threshold amount to be set. This field will be disabled if the 'Allow Unlimited

Debit' field is selected.

Current Balance

Specify the current balance of the account.

Last Updated On

The system displays the date of last update.

Notional Pooling

Check this box to allow notional pooling for this account.

Location

Specify the location of the account.

Input By

Reflects the User ID using which the account has been created

Authorized By

Reflects the User ID using which the account has been authorized

Added Account has to be Authorized by different user which has the authorization role assigned.

6.12.1 Maintaining MT Parameters

You can enter the following details:

Start Time MT920

Specify the start time from which to accept MT920 messages.

End Time MT920

Specify the end time till which to accept MT920 messages.

Generate Frequency Hour MT920

Specify the frequency of MT920 messages.

Cut Off MT101

Specify the cut off time after which the MT101 messages wont be accepted.

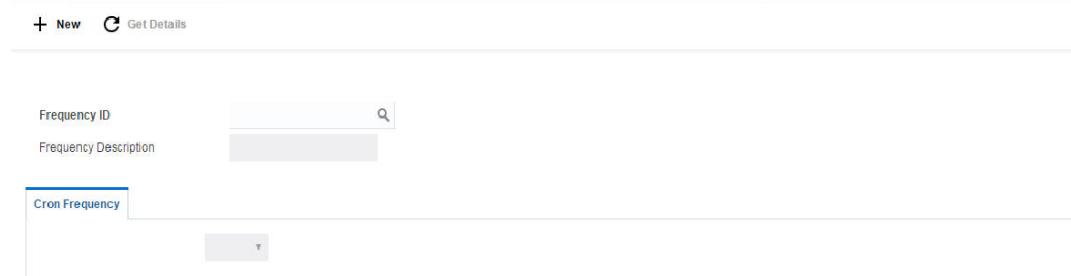
Cut Off MT103

Specify the cut off time after which the MT103 messages wont be accepted.

Click **Save** to save the details.

6.13 Maintaining Sweep Frequency Setup

Sweep Frequency setup allows you to define custom frequencies for sweeps. Click on Sweep Frequency Setup link in the Setup page to open the Frequency Maintenance page..



The screenshot shows a search interface with fields for 'Frequency ID' and 'Frequency Description', and a search icon. Below this is a table header with a single row labeled 'Cron Frequency'.

Click on **New** button to add a new frequency. You are required to input the following details in this screen:

Frequency ID

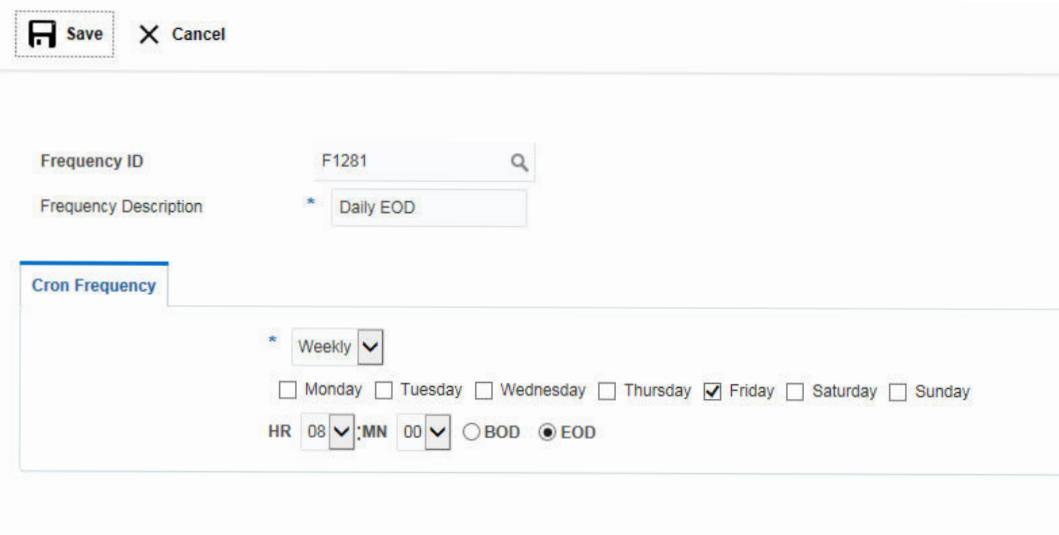
Specify a frequency ID.

Frequency Description

Specify a description for the new frequency.

6.13.1 Maintaining Cron-based Frequency

Specify the details for Cron-based frequency type to set a time based frequency.



The screenshot shows a form with a 'Save' button and a 'Cancel' button. It includes fields for 'Frequency ID' (F1281) and 'Frequency Description' (Daily EOD). Below these is a 'Cron Frequency' section with a dropdown menu set to 'Weekly'. Under 'Weekly', checkboxes are available for Monday through Sunday, with Friday checked. There are also dropdowns for 'HR' (08) and 'MN' (00), and radio buttons for 'BOD' and 'EOD'.

You are required to input the following details in this screen:

Frequency

Select the frequency in which the sweep is to be executed from the drop down menu. The options are:

- Daily -

- Weekly
- Monthly
- Yearly

Depending on the frequency selected, the system displays more options to set the correct frequency.

Click **Save** to save the details.

6.14 Maintaining External System Setup

External System setup allows you to define DDA / Payment System. Click on External System Setup link in the Setup page to open the External System Setup page.

Service Name	Service Description	Integration type	Network Type	Message Type
FCUBSMMService	Create MM Contract	Web Service	NA	NA
FCUBSISIFService	Fast Accounting Hand Off	Web Service	NA	NA
FCUBSAccService	Create TD Contract	Web Service	NA	NA
BALANCERO	Online Balance Fetch	Web Service	NA	NA

Click on New button to add an new DDA interface. You are required to input the following

External System ID

Specify the external system ID. You can select the external system ID from the option list. The list displays all the external system IDs maintained in the system

External System Name

The system displays the external system name.

6.14.1 Maintaining External System Details

Click '+' button to add row under this section. You can input the following details:

Method Name

Specify the method name to be interfaced

Service Description

Specify a description for the method.

Integration type

Specify the integration type for the selected external system.

Network Type

Specify network type for the selected external system.

Message Type

Specify message type for the selected external system.

6.15 Maintaining Sweep Product Setup

Sweep Product setup allows you to maintain details of different sweep products, which are taken from the core banking system. Click on Sweep Product Setup link in the Setup page to open the Sweep Product Maintenance page.



The screenshot shows a web-based application interface for maintaining sweep product setup. At the top left is a 'Get Details' button. Below it is a search bar with 'Product Code *' and a magnifying glass icon. To the right of the search bar is a 'Help' link. The main area contains a table with columns: Parameter Name, Parameter Type, Parameter Description, and Mandatory. A message 'No data to display.' is shown below the table. A cursor arrow is visible at the bottom center of the screen.

Parameter Name	Parameter Type	Parameter Description	Mandatory
No data to display.			

You are required to input the following details in this screen:

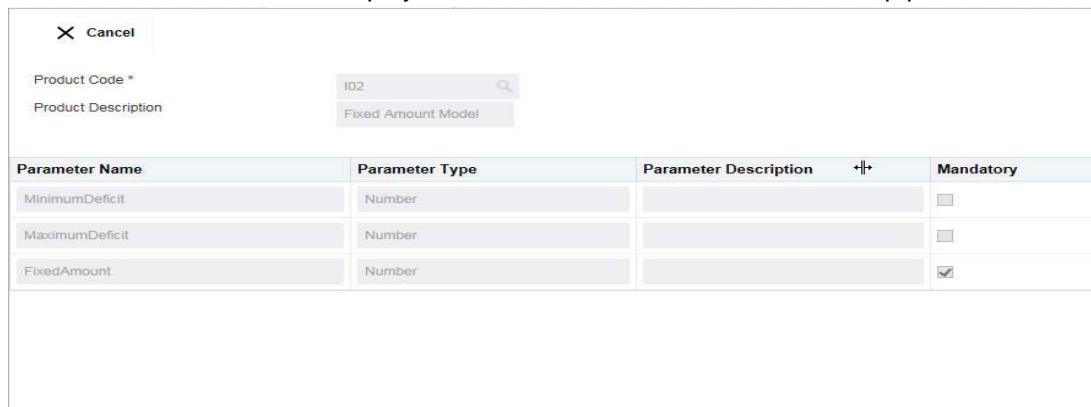
Product ID

Specify the sweep product ID, which is to be maintained. You can select the product ID from the option list. The list displays all the product IDs maintained in the system.

Product Description

The system displays the product description of the selected product.

Click **Get Details** button to display the related details of the selected sweep product.



The screenshot shows a 'Get Details' dialog box. At the top left is a 'Cancel' button. Below it is a search bar with 'Product Code *' and a value 'ID2'. To the right of the search bar is a magnifying glass icon. The main area contains a table with columns: Parameter Name, Parameter Type, Parameter Description, and Mandatory. The table has three rows: 'MinimumDeficit' (Number type, not mandatory), 'MaximumDeficit' (Number type, not mandatory), and 'FixedAmount' (Number type, mandatory, indicated by a checked checkbox).

Parameter Name	Parameter Type	Parameter Description	Mandatory
MinimumDeficit	Number		
MaximumDeficit	Number		
FixedAmount	Number		<input checked="" type="checkbox"/>

The details are as below:

Parameter Name

The system displays the parameter name.

Parameter Type

The system displays the parameter type.

Parameter Description

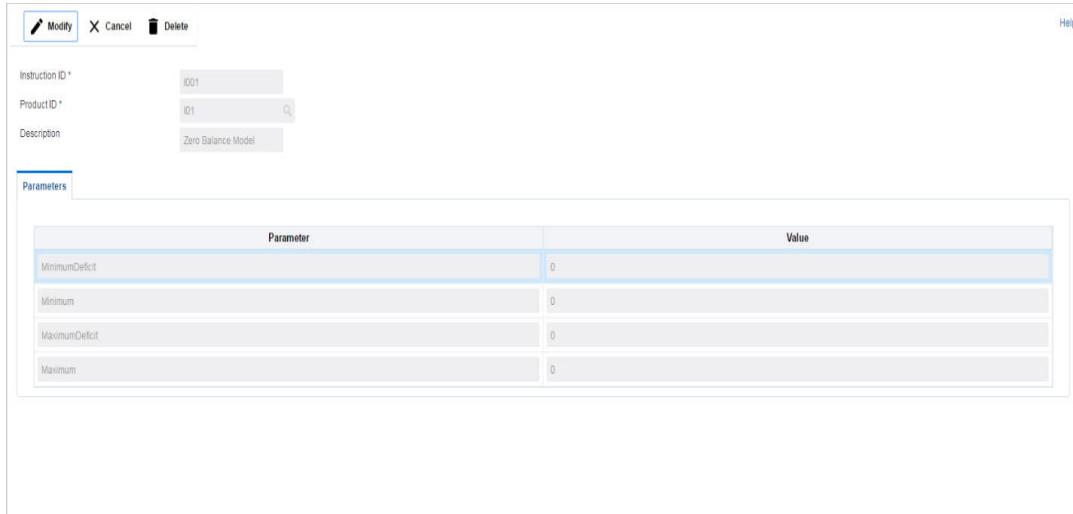
The system displays the description of the parameter.

Mandatory

The system displays if the parameter is mandatory or not. If the check box is selected, the parameter is mandatory.

6.16 Maintaining Sweep Instruction Setup

Sweep Instruction setup allows you to maintain the different sweep instructions in LM system which are fetched from the core banking system. Click on Sweep Product Setup link in the Setup page to open the Sweep Product Maintenance page.



The screenshot shows a software interface for maintaining sweep instructions. At the top, there are buttons for 'Modify' (highlighted in blue), 'Cancel', and 'Delete'. To the right of these is a 'Help' link. Below the buttons, there are three input fields: 'Instruction ID *' with value '0001', 'Product ID *' with value '01' and a search icon, and 'Description' with value 'Zero Balance Model'. A 'Parameters' tab is selected, revealing a table with two columns: 'Parameter' and 'Value'. The table contains four rows: 'MinimumDeficit' with value '0', 'Minimum' with value '0', 'MaximumDeficit' with value '0', and 'Maximum' with value '0'. The entire interface is contained within a light gray box.

Click on **New** button to add a new sweep instruction. You are required to input the following details in this screen:

Instruction ID

Specify the instruction ID. You can select the instruction ID from the option list. The list displays all the instruction IDs maintained in the system.

Product ID

Specify the product ID. You can select the product ID from the option list. The list displays all the product IDs maintained in the system.

Description

The system displays the description of product.

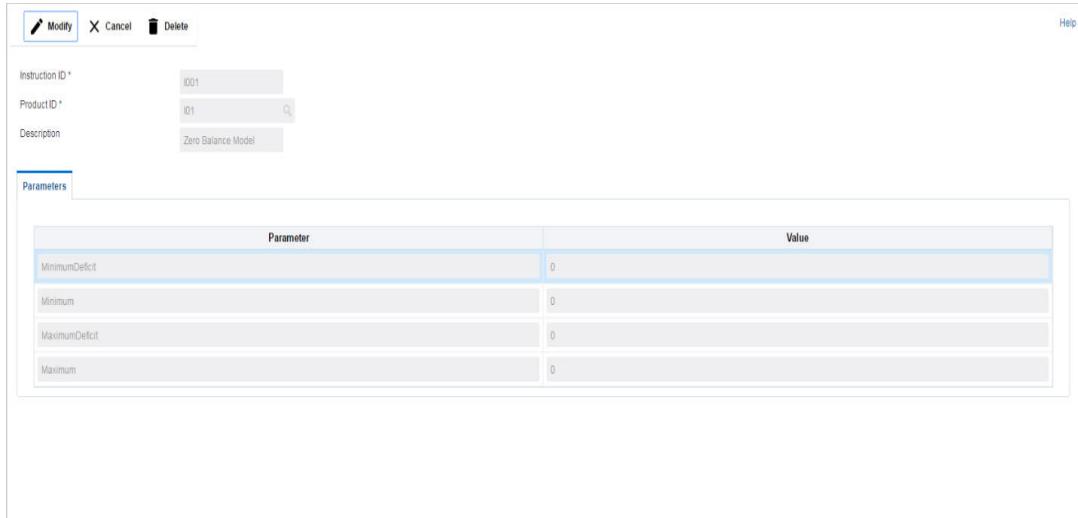
Parameter

The system displays the list of parameters associated with the selected product ID and their values. You can enter the parameter values.

Click **Save** to save the details.

6.17 Maintaining Currency Cut off Setup

Currency Cutoff setup allows you to define the currency cut off times for a country. Click on MBCC Currency Cutoff Setup link in the Setup page to open the MBCC CCY Cut Off Maintenance page.



The screenshot shows a software interface for maintaining currency cut off times. At the top, there are buttons for 'Modify' (highlighted in blue), 'Cancel', and 'Delete'. To the right is a 'Help' link. Below these are fields for 'Instruction ID' (001) and 'Product ID' (ID1), with a search icon next to the product ID field. A 'Description' field contains the text 'Zero Balance Model'. A 'Parameters' section is expanded, showing a table with two columns: 'Parameter' and 'Value'. The parameters listed are 'MinimumDeficit' (Value: 0), 'Minimum' (Value: 0), 'MaximumDeficit' (Value: 0), and 'Maximum' (Value: 0).

Click on **New** button to add currency cut off for a country. You are required to input the following details in this screen:

Country Code

Specify the country code to set up the currency cut off. You can select the country code from the option list. The list displays all the country codes maintained in the system

Country Description

The system displays the country description.

Region

Select the region from the drop down list. The list displays all the regions of the selected country.

6.17.1 Maintaining Cut Off Times

You can input the following details here:

Currency

Specify the currency for which the cut off time is to be set. You can select the currency from the option list. The list displays all the currencies maintained in the system

Message Type

Specify the message type to be associated with the currency. You can select the message type from the option list. The list displays all the message type maintained in the system

Incoming Cut Off Time (HH: MM)

Specify the incoming cut off time for the currency.

Outgoing Cut Off Time (HH: MM)

Specify the outgoing cut off time for the currency

6.18 Maintaining Interest Rule Setup

Interest Rule setup allows you to maintain previously maintained UDEs to create formula which is used by the system for interest calculations. Click on Interest Rule Setup link in the Setup page to open the Interest and Charge Rule Maintenance page..

The screenshot shows the 'Interest and Charge Rule Maintenance' page. At the top, there are fields for 'Rule ID' (containing 'ICTB') and 'Rule Description' (containing 'Apply Interest on Account Closing Month'). Below these are tabs for 'System Elements' and 'User Elements', with 'User Elements' being the active tab. Under 'User Elements', there is a table with one row containing 'RATE1' and 'Rate' as the type. To the right of this table are buttons for 'Get Latest' and 'Use Effective'. Below this table is a large empty area with a plus sign (+) and a minus sign (-) for adding or removing elements. At the bottom of the page, there are tabs for 'Debit Formula' and 'Credit Formula', with 'Debit Formula' being the active tab. Under 'Debit Formula', there are sections for 'Accruals Required', 'Book Flag', 'Periodicity', 'Rounding Required', and 'Days in a Month'. There is also a 'Days in a Year' section and a 'Formula Wizard' button.

Click on **New** button to add a new rule. You are required to input the following details in this screen:

Rule ID

Specify a rule ID.

Rule Description

Specify a description for the rule.

Apply Interest on Account Opening Month

Check this box to apply the interest on the account opening month.

Apply Interest on Account Closing Month

Check this box to apply the interest on the account closing month.

6.18.1 Maintaining System Elements

To calculate interest or charges for an account, you require the following data:

- Principal - The amount for which you want to calculate interest
- Interest period - The number of days for which you want to apply interest
- Interest rate

These components, required to calculate interest, are called 'data elements' (the elements that provide the required data to calculate interest). Data elements are of two types:

- System Data Elements (SDEs)
- User Data Elements (UDEs)

System Data Elements (SDEs) can include be any of the following:

- Values for data elements like the balance in an account, on which interest has to be applied
- Number of transactions in a day

Information, such as the ones listed above, is constantly updated in the system and is readily available for computation of interest. They are therefore called SDEs.

Click '+' button to add system elements.



The screenshot shows a user interface for managing system elements. At the top, there are two tabs: 'System Elements' (which is selected) and 'User Elements'. Below the tabs, the heading 'System Elements' is displayed. A search bar with the placeholder 'Search' is present. A list of elements is shown, including 'DAYS' and 'ILVO_STL_DR_BAL'. At the bottom right of the list area, there are two buttons: a '+' button for adding new elements and a '-' button for removing existing ones.

Specify the system elements. You can select the system elements from the option list.

6.18.2 Maintaining User Elements

A rule consists of System Data Elements and the User Data Elements. Click '+' button to add User Elements under this section.



The screenshot shows a user interface for maintaining user elements. At the top, there are two tabs: 'System Elements' (selected) and 'User Elements'. Below the tabs, the heading 'User Elements' is displayed. A table structure is shown with columns for 'User Elements', 'Type', and 'Get Latest'. A single row is present, showing 'RATE1' in the first column, 'Rate' in the 'Type' dropdown, and a checked 'Use Effective' checkbox in the 'Get Latest' column. A cursor is visible at the bottom of the table area.

You can specify the following details:

User Elements

Specify a user element.

Type

Select the type of user element from the drop down list. The options are:

- Amount
- Rate
- Number
- Rate Code As Rate

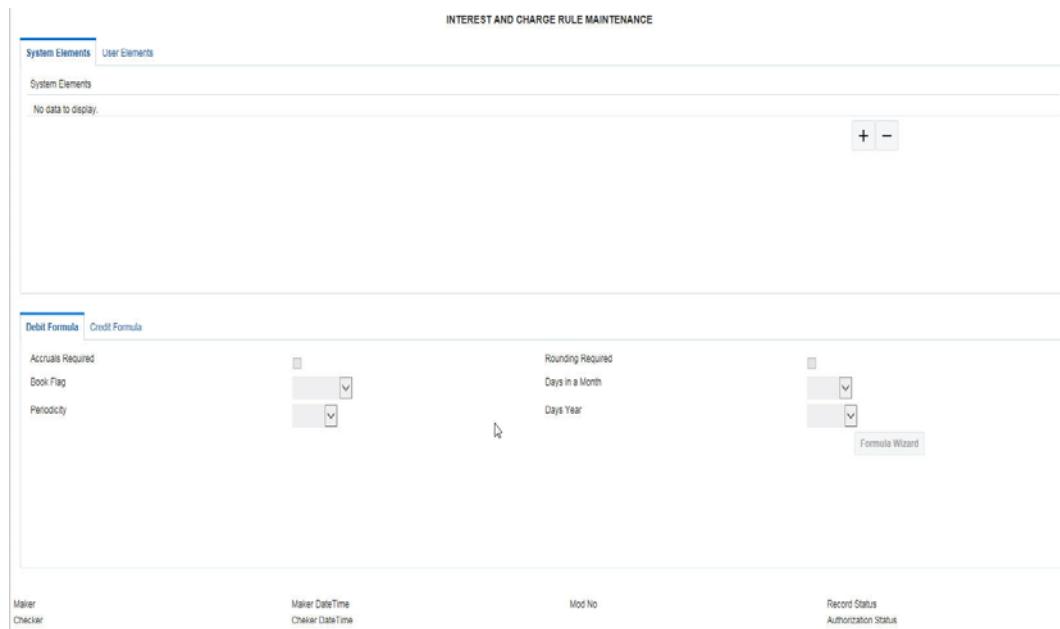
Get Latest

Select the option which is to be used as latest. The options are:

- Use Current
- Use Effective

6.18.3 Maintaining Debit/ Credit Formula

Click '+' button to add debit/credit formula.



The screenshot shows the Oracle Database interface for maintaining interest and charge rules. The main title is 'INTEREST AND CHARGE RULE MAINTENANCE'. At the top left, there are tabs for 'System Elements' and 'User Elements', with 'System Elements' currently selected. Below this, a message says 'No data to display.' In the center, there is a large input area with a '+' button in the top right corner. Below the '+' button, there are two tabs: 'Debit Formula' (selected) and 'Credit Formula'. The 'Debit Formula' tab contains several configuration options: 'Accruals Required' (checkbox), 'Rounding Required' (checkbox), 'Book Flag' (dropdown menu with 'Booked', 'Non Booked', and 'Tax' options), 'Periodicity' (dropdown menu with 'Daily', 'Periodic', and 'Actual' options), 'Days in a Month' (dropdown menu with 'Actual', '30 - Days', and 'Euro-30' options), and 'Days Year' (dropdown menu with 'Actual' option). To the right of these options is a 'Formula Wizard' button. At the bottom of the screen, there are footer fields for 'Maker', 'Changer', 'Mod No', 'Record Status', and 'Authorization Status', along with their respective date and time fields.

You can specify the following details:.

Accruals Required

Check this box if accrual are required.

Rounding Required

Check this box if rounding is required.

Book Flag

Select the book flag from the drop down list. The options are:

- Booked
- Non Booked
- Tax

Days in a Month

Select the number of days to be considered in a month from the drop down list. The options are:

- Actual
- 30 - Days'
- Euro-30

Periodicity

Select the frequency of using the formula from the drop down list. The options are:

- Daily
- Periodic

Days Year

Select the number of days to be considered in a year from the drop down list. The options are:

- Actual

- 360 Days'
- 365 Days'

6.18.4 Formula Wizard

To apply interest or charges on an account, you require certain data. For example, to calculate interest for an account you would require the following data:

- the principal (the amount for which you want to calculate interest)
- the period (i.e., the number of days for which you want to apply interest)
- the rate (the interest rate)

When you want to apply charges on an account, you may have to specify the conditions for which you would need to apply charges. The amount that is charged may be different for different conditions. For example, you may want to apply charges on every extra account statement that has to be given to the customer.

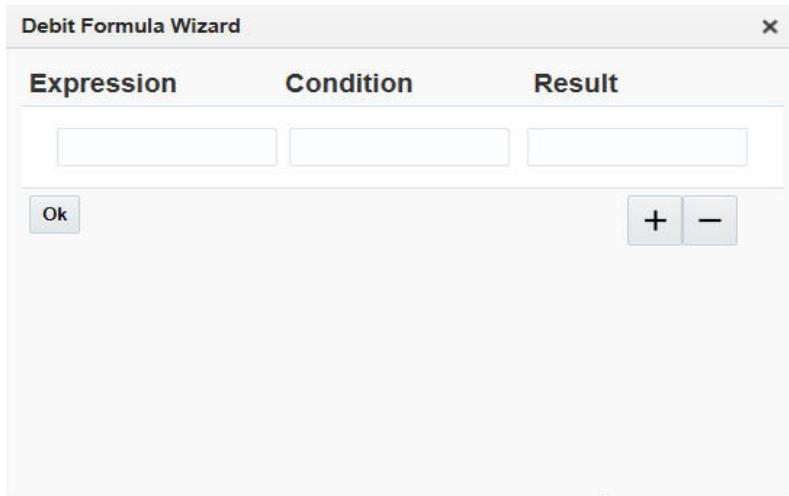
When you define a 'Rule', you specify exactly how such data is to be picked up for calculating either the interest or charge. A 'Rule' identifies the method in which interest or charges have to be calculated.

The data required to calculate interest and charges are broadly referred to as 'data elements'. Data elements are of two types:

- System Data Elements
- User Data Elements

Using the System Data Elements and the User Data Elements that you define for a rule, you can create formulae. Formulae connect SDEs and UDEs to give a result. The result of a formula is the interest or charge that has to be applied on an account.

Click on the Formula Wizard button to open the Debit/Credit Formula wizard to create rules the result as per the set



Note

You can define any number of formulae for a rule.

6.18.4.1 Building Blocks of Formulae

Element

To build a formula you require certain building blocks. These blocks could be SDEs, UDEs or (the result of) other formulae that you have previously created.

Operators

Operators are symbols that you would use to build mathematical expressions while defining a formula. The following is a list of symbols that you would require to build a formula.

Operator	Description
+	Plus
-	Minus
/	Divide by
*	Multiply

Logical Operators

Logical Operators are indicators of certain conditions that you specify while building a formula. The following is a list of logical operators that you would require to build a formula: 'AND' 'OR' and:

Operator	Description
AND	the conjunction 'and'
OR	the conjunction 'or'
>	greater than
>=	greater than or equal to (please note that there is no space between the two symbols)
<	less than
<=	less than or equal to (please note that there is no space between the two symbols)
< >	Not equal to (please note that there is no space between the two symbols)
=	equal to

Functions

The following are the functional operators available while defining a formula:

Operator	Description
ABS	Absolute value of
LEAST	minimum of
GREATEST	maximum of
SUM	the total value of
ROUND	round to

TRUNC	integer part of
FLOOR	round off to the (lower) nearest
CEILING	round off to the (higher) nearest
POWER	to the power of
MOD	the remainder

6.18.4.2 Building Formulae

Using the building blocks discussed earlier, you can create or build formulae. You can build any number of formulae for a rule using the SDEs, UDEs and the results of formulae that you have defined for the rule

Click **Save** to save the details.

6.19 Maintaining Interest Product Setup

Interest Product setup allows you to create, edit and update various products in LM. Click on Interest Product Setup link in the Setup page to open the Interest Product Maintenance page..

The screenshot shows a form for maintaining an interest product. At the top, there are fields for Product Code (ICPO), Product Group (IC), Rule (RUL1), Start Date (3/3/2017), and UDE Currency (Local Currency). To the right, there are fields for Product Description (TEST), Rule Description (Interest And Charges), and End Date (TEST RUL1). Below these, there are tabs for 'Accrual' and 'Calculation & Liquidation Frequency'. Under 'Accrual', there are fields for Product Level (checkbox), Accrual Day (0), Frequency (Daily), and Payment Method (Bearing). Under 'Calculation & Liquidation Frequency', there are fields for Cycle (None) and Amount Block for Discount (checkbox).

Click on **New** button to add a new interest product. You are required to input the following details in this screen:

Product Code

Specify a product code for the new interest product.

Product Description

Specify a description for the new interest product.

Product Group

Specify the product group under which the new product is based. You can select the product group from the option list. The list displays all the product groups maintained in the system

Product Group Description

The system displays the description for the selected product group.

Rule

Specify the rule to be associated with the interest product. You can select the rule from the option list. The list displays all the rules maintained in the system

Rule Description

The system displays the description for the selected rule.

Start Date

Specify the date from which the interest product will be active.

End Date

Specify the date till which the interest product will be active.

UDE Currency

Select the UDE currency to be associated with the product from the drop down list. The options are:

- Account Currency
- Local Currency

Main Interest Rate UDE

Specify the main interest rate UDE. You can select the interest rate from the option list. The list displays all the interest rate UDEs maintained in the system

6.19.1 Maintaining Accrual

Product Level

Check this box if the interest accrual is to be done at product level.

Accrual Day

Specify the day the accrual should happen.

Frequency

Select the frequency of accrual from the drop down list. The options are:

- Daily
- Monthly
- Quarterly
- Semi Annual
- Annual
- On Liquidation

Cycle

Select the cycle for the accrual from the drop down list.

Payment Method

Select the payment method for interest accrual from the drop down list. The options are:

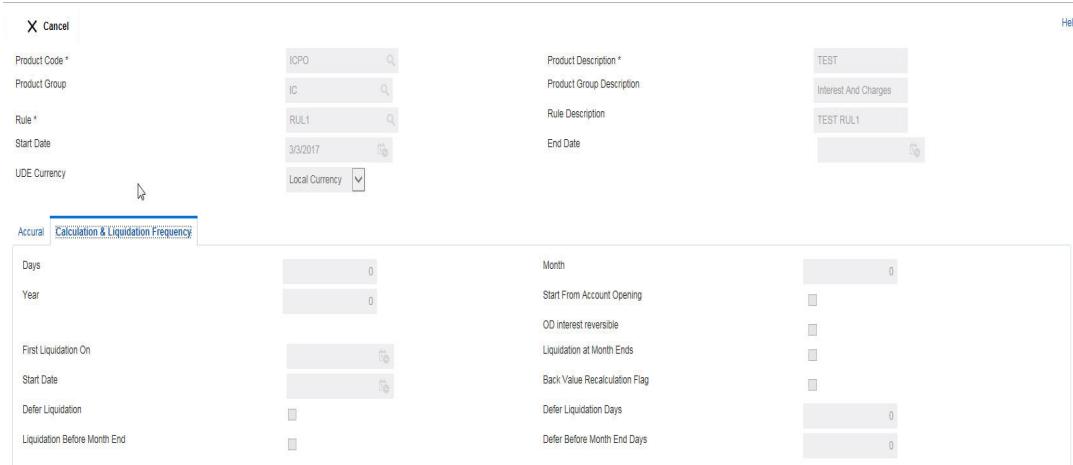
- Bearing
- Discounted

Amount Block for Discount

Check this box to block amount for discount.

6.19.2 Maintaining Calculation and Liquidation Frequency

Click on Calculation and Liquidation Frequency tab to open it.



The screenshot shows the 'Calculation & Liquidation Frequency' screen. At the top, there are fields for Product Code (ICPO), Product Group (IC), Rule (RUL1), Start Date (3/3/2017), and UDE Currency (Local Currency checked). Below these are fields for Product Description (TEST), Product Group Description (Interest And Charges), Rule Description (TEST RUL1), and End Date (disabled). The 'Calculation & Liquidation Frequency' tab is selected. Under this tab, there are sections for Days (0), Month (0), and Year (0). Other options include Start From Account Opening (unchecked), OD interest reversible (unchecked), Liquidation at Month Ends (unchecked), Back Value Recalculation Flag (unchecked), Defer Liquidation Days (0), and Defer Before Month End Days (0).

You can enter the following details:

Days

Enter the number of days after which the interest will get calculated and accrued regularly.

Month

Enter the number of months after which the interest will get calculated and accrued regularly along with the days.

Year

Enter the number of years after which the interest will get calculated and accrued regularly along with the months and days.

For example, if Days= 15 and Months= 1, Interest will get computed for every one and half month.

Start from Account Opening

Check this box to start the calculation of liquidation from the start of account opening.

Refund Tax on Pre Closure

Check this box to refund tax on pre closure.

OD Interest Reversible

Check this box if OD interest is reversible.

First Liquidation On

Specify the date for calculation of first liquidation.

Liquidation at Month Ends

Check this box to allow liquidation at month ends.

Start Date

Specify the start date of liquidation.

Back Value Recalculation Flag

Check this flag to allow back value recalculation.

Defer Liquidation

Check this flag to allow deferring of liquidation.

Defer Liquidation Days

Specify the number of days by which the liquidation can be deferred.

Liquidation Before Month End

Check this box to allow deferring of liquidation before month end.

Defer Before Month End Days

Specify the number of days by which the liquidation can be deferred before month end.

6.20 Maintaining Interest UDE Setup

Interest UDE setup allows you to create, edit and update user data elements like interest and tax. Click on Interest UDE Setup link in the Setup page to open the Interest Charges User Data Element Maintenance page..

Click on **New** button to add a new product. You are required to input the following details in this screen:

Product Code

Specify the product code. You can select the product code from the option list. The list displays all the product codes maintained in the system.

Branch Code

Specify the branch code. You can select the branch code from the option list. The list displays all the branch codes maintained in the system.

Currency Code

Specify the currency code. You can select the currency code from the option list. The list displays all the currency codes maintained in the system.

Effective Date

Specify the date from which this will be effective.

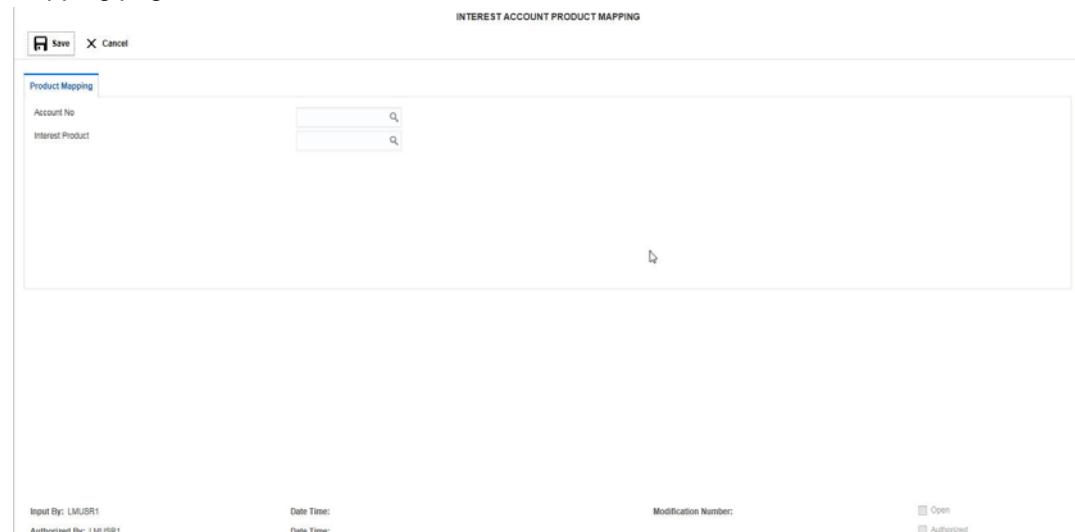
User Data Elements

Click '+' button to add row under this section. Specify the User Element and User Element Value.

Click **Save** to save the details.

6.21 Maintaining Interest Product Mapping Setup

Interest Product Mapping setup helps you in account class maintenance. Click on Interest Product Mapping setup Setup link in the Setup page to open the Interest Account Product Mapping page..



Click on **New** button to map a new product. You are required to input the following details in this screen:

Account No.

Specify the account number to be mapped. You can select the account number from the option list. The list displays all the account numbers maintained in the system.

Interest Product

Specify the interest product. You can select the interest products from the option list. The list displays all the interest products maintained in the system.

Click **Save** to save the details.

6.22 Maintaining File Upload

File upload allows you to do all the setups using file uploads. You can also view the upload status here. Click on File Upload link in the Setup page to open the File Uploads and Upload Status page..\\

You can view Click on **New** button to upload a new file. You are required to input the following details in this screen:

Functions ID

Select the function ID for which the upload is to be done

Status

Drop-down list with Blank / Success / Failure.

Details

Click Get Details button. The system displays the file upload status for the selected criteria. You can view the following details for the upload:

Record Identifier, Processed On, Status, Errors, Warnings, Record Data

6.22.1 Viewing the upload status

Enter the following details to view the upload status:

Function ID

Select the function ID for which the upload status is to be viewed from the drop down menu. The options are:

- Bank Setup
- Branch Setup
- MBCC Currency Cutoff Setup
- Country Regulatory Setup
- Payment Instruction Setup
- Customer Setup
- Pariticipating Account Setup
- Balance Upload
- Currency Definition
- Branch Holiday Setup

- Currency Exchange Setup
- Currency Holiday Setup
- Sweep Instruction Setup

From Date

Specify the start date from which the upload status has to be generated.

To Date

Specify the end date till which the upload status has to be generated.

File Upload Status

Enter the details and click **Get Details** button. The system displays the file upload status for the selected criteria. You can view the following details for the upload:

- Record Identifier
- Processed On
- Status
- Errors
- Warnings
- Record Data

7. Structure Maintenance

7.1 Introduction

Multiple structures have to be created within a framework to add accounts to allow sweeps/notional pooling. Structure maintenance allows you to do the following:

- Create Structures
- Add accounts to it.
- Assign instruction to pair of accounts
- Assign frequencies to marked instructions

System allows you to add as many accounts and as many hierarchies as required. It also enables hybrid structures, where both pool and sweep can be configured. Hybrid structures are basically pool over sweep structures.

7.2 Creating Structure

This section contains the following topics:

- Section 7.2.1, "Creating a New Structure"
- Section 7.2.2, "Maintaining Accounts in the Structure"
- Section 7.2.3, "Maintaining a Structure"
- Section 7.2.4, "Validating the structure"
- Section 7.2.5, "Setting Instruction Details"
- Section 7.2.6, "Specifying Payment Details"
- Section 7.2.7, "Modifying Structure"
- Section 7.2.8, "Resume/Pause the Structure"
- Section 7.2.9, "Get history for structure"

7.2.1 Creating a New Structure

You can invoke the ‘Structure Maintenance’ page by clicking on the Structure Maintenance tab in application..

The screenshot shows the Oracle Structure Maintenance page. At the top, there are buttons for '+ New' and 'Get Details'. The main area contains various configuration fields:

- Structure ID:** SCENARIO_02
- Structure Description:** IBCC-Amazon-IT10
- Version Number:** 1
- Multi Bank:**
- Customer ID:**
- Cross Currency:**
- Cross Border:**
- Balance Type:** Value Date
- Default Frequency:**
- Rate Type:**
- Effective Date:**
- End Date:**
- EOD:**
- Rate Pickup:** Pegged Rate
- Instruction Type:**
- Reallocation Type:** No Reallocation
- Reallocation Method:**
- Holiday Treatment:**
- Max Backward Days:**
- Backward Treatment:**

Below these fields is a table titled 'Accounts' with the following columns:

Account Number	Branch	Currency	Available Balance	External Account	Balance Compensation	Select
No data to display						

At the bottom of the page are '+ -' buttons and a scroll bar.

Click **New** button to add a new structure. Specify the following details:

Structure ID

The system displays the auto generated unique structure ID.

Structure Description

Specify a description for the new structure.

MultiBank

This field will get automatically selected on save if the underlying structure created has external bank accounts.

Cross Currency

This field will get automatically selected on save if the underlying structure is created with accounts which are in different currencies.

Customer ID

Specify the customer. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system

Customer Description

The system displays the description of the customer selected.

Cross Border

This field will get automatically selected on save if the underlying structure is created with accounts which are from two or more different countries.

Status

Indicate the status of the Structure to be maintained. The options are:

Resumed

Paused

A user should be able view the flag 'Status' at the structure level and be able to select either Paused or Resumed for a new structure or an existing structure. Default value would be "Resumed".

Default Frequency

Specify the default frequency at which the structure should be executed. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.

The frequency defined at the structure level will get defaulted to all the account pairs in the structure, but you can over ride and define a specific frequency for a specific pair of account.

This changed preference will override the global preference.

Effective Date

Specify the date from which the structure becomes effective. This date cannot be less than the system date but can be a future date.

Rate Type

Specify the rate type to be used in case the underlying structure has cross currency pairs.

End Date

Specify the date till which the structure is effective. This date should always be greater than the effective date.

EOD

Check this box to execute the structure at end of day.

Allow Sweep on Currency Holidays

Check this field to allow sweep on currency holidays.

Rate PickUp

Specify the rate pick up for the sweeps on currency holidays from the drop down list. The option are:

- Previous Days Rate
- Last Swept Rate for the Pair (when sweep frequency is not daily)
- Past 5 day Average Rate

Note

This field is active only if '**Allow Sweep on Currency Holidays**' is selected.

Reverse Frequency

Specify the reverse frequency at which the reverse sweep for structure should be executed. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.

The frequency defined at the structure level will get defaulted to all the account pairs in the structure, but you can over ride and define a specific frequency for a specific pair of account.

This changed preference will override the global preference.

Interest Method

Specify the Interest method for the structure from the drop down list. The options are:

- Interest
- Advantage
- Optimization

This data needs to be captured only for Pooling Structures.

Instruction Type

Specify the instruction type to be applied to the structure. You can select the instruction type from the option list. The list displays all the instruction types maintained in the system.

Reallocation Method

Specify the reallocation method for the structure from the drop down list. This refers to the method in which the interest is shared with the participating account entities. The options are:

- No Reallocation - No interest is paid back to the child accounts
- Reallocation without benefits - Interest is allocated back to child account but without the additional benefits of accumulation.
- Reallocation with benefit - Interest is allocated back to the child account with the additional benefits of accumulation.
- Central Distribution - Here the interest arrived at is credited to one central account, which can be any one of the participating accounts or a separate account.
- Even Distribution - Here the interest is evenly distributed among the participating accounts.
- Even Direct Distribution - Here Interest reward is evenly spread across all accounts with positive balances
- Percentage Based Distribution - Here pre defined percentage of the interest is distributed among the participating accounts.
- Fair Share Distribution - Here if the interest is positive, it is distributed among the positive contributors in the ratio of their contribution and if the interest is negative, it is distributed among the negative contributors in the ratio of their contribution.
- Reverse Fair Share Distribution - Here if the interest is positive, it is distributed among the negative contributors in the ratio of their contribution and if the interest is negative, it is distributed among the positive contributors in the ratio of their contribution.
- Absolute Pro-Data Distribution - Here absolute balances of all accounts are considered and the interest would be shared proportionally to all accounts.

Investment Sweep

Investment sweep type should be selected as TD(term deposits) or MM (Money Market) at structure level.

The structure will have header account as Notional account, this account will have only one child account and that child account can have multiple other sub child accounts.

Holiday Treatment

Specify the action to be taken on the structure in case of a holiday from the drop down list. The options are:

- Next Working Date - Perform the action on the next working day.
- Previous working Date - Perform the action on the previous working day
- Holiday - Perform the action on the designated day itself

Max Backward Days

Specify the maximum number of days the system can go back to execute the structure when the execution day falls on a holiday.

Note

This field will be enabled only if 'Holiday Treatment' is selected as 'Previous Working Date'.

Backward Treatment

When the 'Holiday Treatment' is selected as 'Previous Working Day' and the 'Max Backward Days' set is also falling on a holiday, then the system decides on the day of execution of the action based on the Backward Treatment.

Select the backward treatment to be applied from the drop down list. The options are:

- Move Forward - The action is performed on the next working day
- Holiday - Perform the action on the holiday

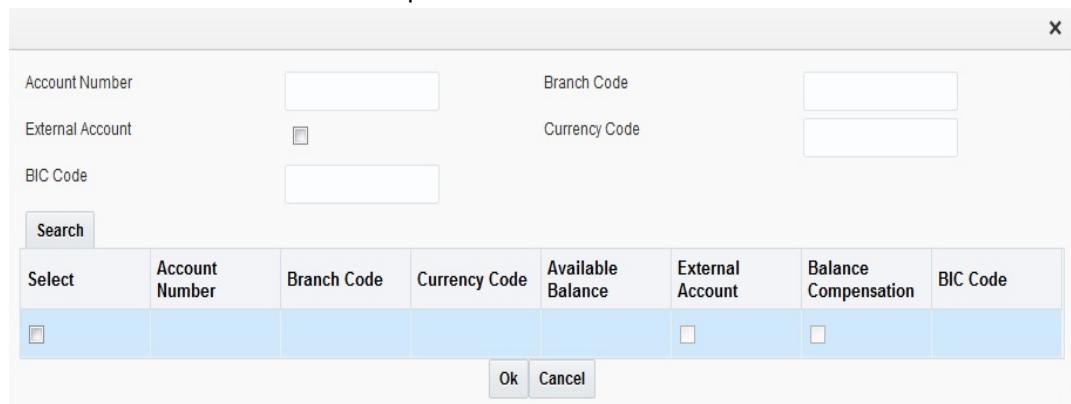
Note

This field is enabled only if 'Holiday Treatment' is selected as 'Previous Working Date'.

Parameters like Frequency, Reverse Frequency and Instruction type which are defined at the structure level will be applicable at each account pair level in the structure however user can change these parameters at the account pair level. If the user changes them at the account pair level the system will ignore the structure level set up and go by the pair level settings

7.2.2 Maintaining Accounts in the Structure

Accounts have to be added to create a structure. Click '+' button under the **Accounts** section to add accounts. The search box opens.

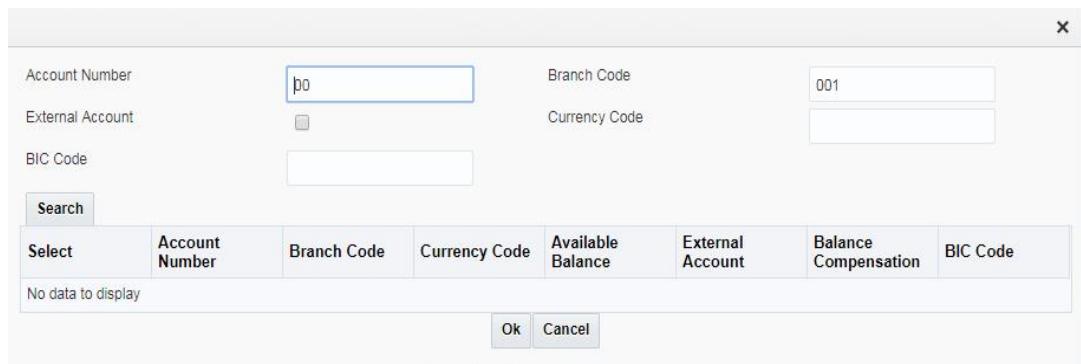


Select	Account Number	Branch Code	Currency Code	Available Balance	External Account	Balance Compensation	BIC Code
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	

You can search for an account using the following parameters:

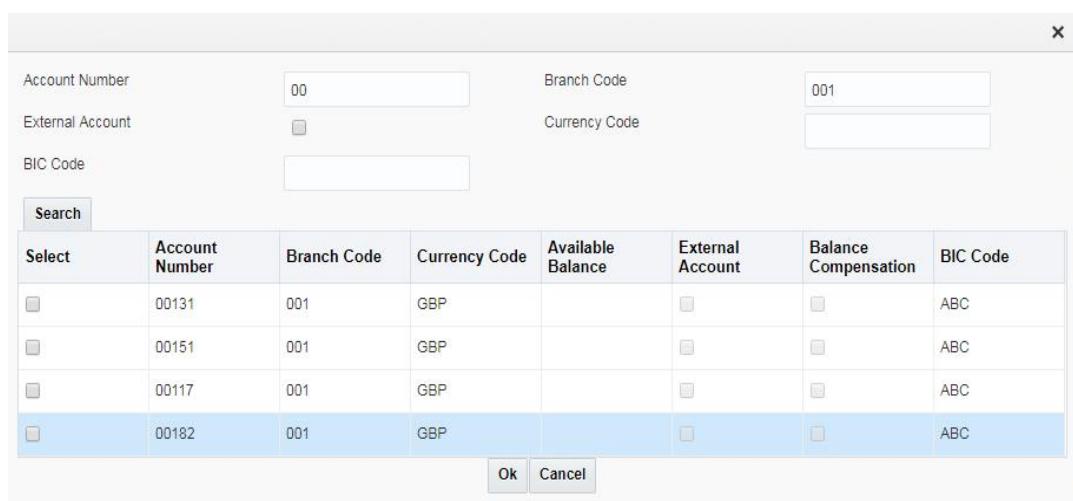
- Account Number
- Branch Code
- Currency Code
- BIC Code
- External Account

User can search for Account by entering Prefixes in Account Number, Branch Code, External Account, Currency Code and BIC Code text boxes.



A screenshot of a search dialog box. At the top, there are four text input fields: 'Account Number' (containing '00'), 'Branch Code' (containing '001'), 'External Account' (with a small checkbox icon), and 'Currency Code' (with a small checkbox icon). Below these is a 'Search' button. The main area is a table with the following columns: Select, Account Number, Branch Code, Currency Code, Available Balance, External Account, Balance Compensation, and BIC Code. The table currently displays the message 'No data to display'. At the bottom are 'Ok' and 'Cancel' buttons.

After clicking on search user will get a list of accounts to be added to the Structure.



A screenshot of a search results dialog box. It has the same top section as the previous dialog, with 'Account Number' (00) and 'Branch Code' (001) entered. The main area is a table with columns: Select, Account Number, Branch Code, Currency Code, Available Balance, External Account, Balance Compensation, and BIC Code. Four rows of data are listed, each with a 'Select' checkbox and account details: 00131, 00151, 00117, and 00182. The row for 00182 is highlighted with a blue background. At the bottom are 'Ok' and 'Cancel' buttons.

Select the accounts to be added and click **ADD** button. The accounts get listed under the Accounts section.

Structure Maintenance x

Save Cancel Next >

Structure ID: STWF3778	Structure Description*	Version Number: 1
Multi Bank: <input checked="" type="checkbox"/>	Cross Currency: <input checked="" type="checkbox"/>	Balance Type: Value Date <input type="button" value="Search"/>
Customer ID: C0001	Effective Date: <input type="text"/>	Default Frequency: <input type="button" value="Search"/>
Customer Description: Google	End Date: <input type="text"/>	Rate Type: <input type="button" value="Search"/>
Structure Priority: 99	Rate Pickup: Pegged Rate <input type="button" value="Search"/>	ECO: <input type="checkbox"/>
Allow Swap on Currency Holidays: <input type="checkbox"/>	Instruction Type: <input type="button" value="Search"/>	Reallocation Type: No Reallocation <input type="button" value="Search"/>
Reverse Frequency: <input type="button" value="Search"/>	Max Backward Days: <input type="text"/>	Reallocation Method: <input type="button" value="Search"/>
Holiday Treatment: <input type="button" value="Search"/>	Backward Treatment: <input type="button" value="Search"/>	

Accounts

Account Number	Branch	Currency	Current Balance	Available Balance	External Account	Balance Compensation	Select
AC08PLUK0009	MDR	EUR	10,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AC08PLUK0003	MDR	EUR	10,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC08PLUK0010	LON	GBP	1,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AC08PLUK0006	MDR	EUR	10,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TESTAC001	SFO	GBP	100,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC08PLUK0007	LON	GBP	1,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC08URRE008	MDR	EUR	10,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC08PLUK0008	LON	GBP	1,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC08URRE009	LON	EUR	1,000	100,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

You can view the following details of the added accounts:

- Account Number - The account number of the account
- Branch - The branch to which the account belongs to
- Currency - The currency of the account
- Current Balance - The current balance in the account
- Available Balance - The available balance in the account
- External Account - If the account is linked to external account or not
- Select - Check this box to select the accounts and delete if not required.

Click 'Save' button to save the details.

7.2.3 Maintaining a Structure

After the participating accounts for a structure are selected, you can start creating the structure. Click **Next** button to start creating a structure.

Structure Maintenance x

Back Save Next >

Structure Maintenance

Accounts Structure

Account Number	Branch	Currency	Available Balance	Balance Compensation	External Account	Mirror Account
ACEURRE003	LON	GBP	100,000	false	false	
ACEURRE004	LON	GBP	100,000	false	false	
ACEURRE006	LON	GBP	100,000	false	false	
ACEURRE007	LON	GBP	100,000	false	false	
ACEURRE008	MDR	EUR	100,000	false	false	

Page 1 of 3 (1-5 of 15 items) | 1 2 3 > < |

Account Details

Account Number: <input type="text"/>	Branch: <input type="text"/>	Account Currency: <input type="text"/>	Account Type: <input type="text"/>
Available Balance: <input type="text"/>	Current Balance: <input type="text"/>		

> Parent Details

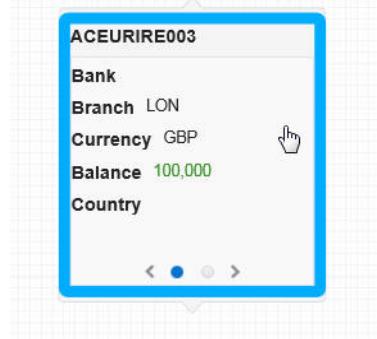
You can drag and drop accounts into the drawing plane to make the structure. For any account selected, click on the account to view the account details in the 'Account Details' section in left. You have to enter the following details:

Account Type

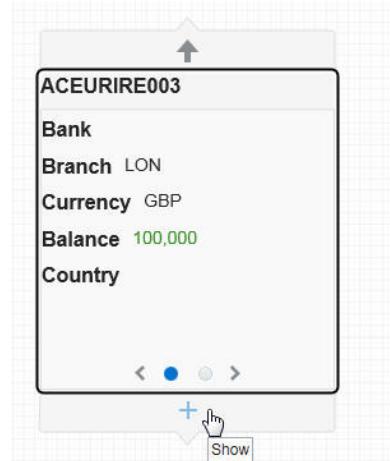
Select the account type of the account from the drop down list. The options are:

- Pool
- Sweep

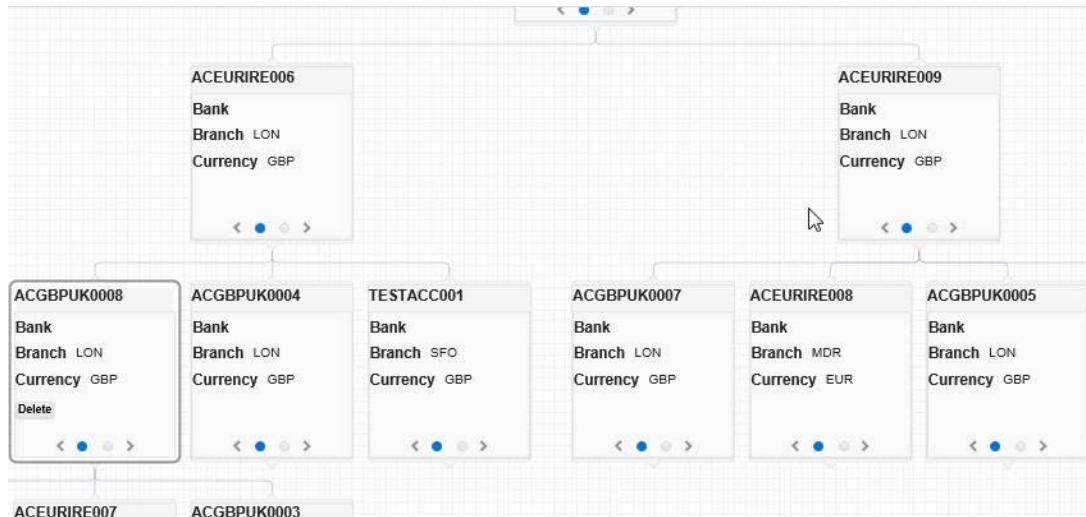
When an account is set as 'Pool', this account is highlighted in blue in the system.



To set account as a child account, drag and drop the accounts onto the parent account.



Mouseover the account to view the '+' link. Click on it to view the structure expanded.



You can mouseover the account to view the '-' link. Click on it to compress the structure.

When an account selected is an external account, this account is highlighted in amber colour..

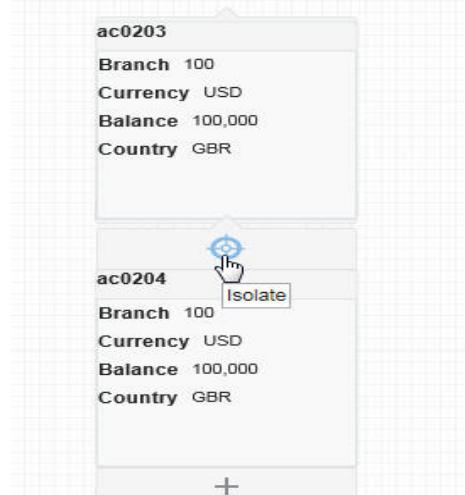


To view the parent account details of an account, select the account and click on the 'Parent Details' link in the left side of the application. You can view the following details:

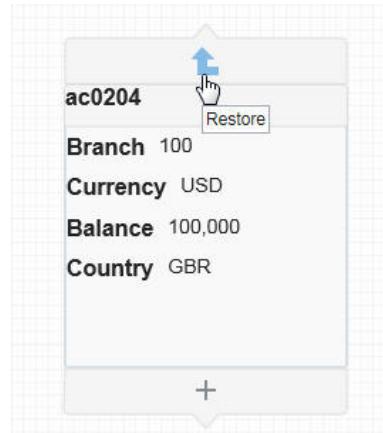
- Parent Account Number
- Parent Account Bank
- Parent Account Branch
- Parent Branch Currency
- Parent Account Balance
- Parent Account Country
- Parent Account Type
- Parent Account Customer

7.2.3.1 Isolating an account from the structure

Mouseover an account in a structure to view the isolate link. Click on it to isolate the account and view its details. This will be helpful in case of complex structures.

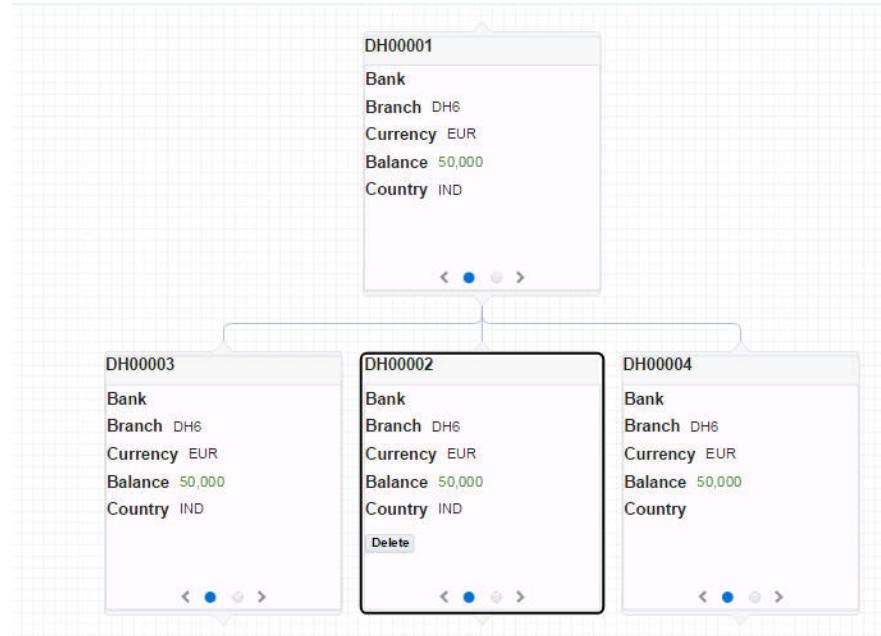


To restore back and view the entire structure, you can click the restore link.



7.2.3.2 Deleting an account in the structure

Click on the account in the structure to view the 'Delete' button enabled. Click on this button to delete the account..



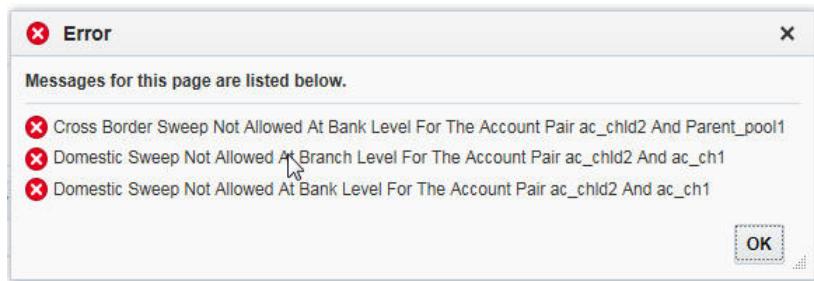
7.2.3.3 Maintaining the Control Panel

A control panel allows you to view the designed structure better. Click the control panel icon to open it. The table below briefs the icon and their functions in the control panel.

Icons	Function	Description
	Control Panel	Click this icon to open and close the control panel
	Structure Panel	Click this icon to view the designed structure in various inbuilt views.
	Zoom to Fit	Click this icon to view the map zoomed to fit the screen
	Zoom In	Click this icon to zoom in and get a closer look
	Zoom Out	Click this icon to zoom out and get an overall look.

7.2.4 Validating the structure

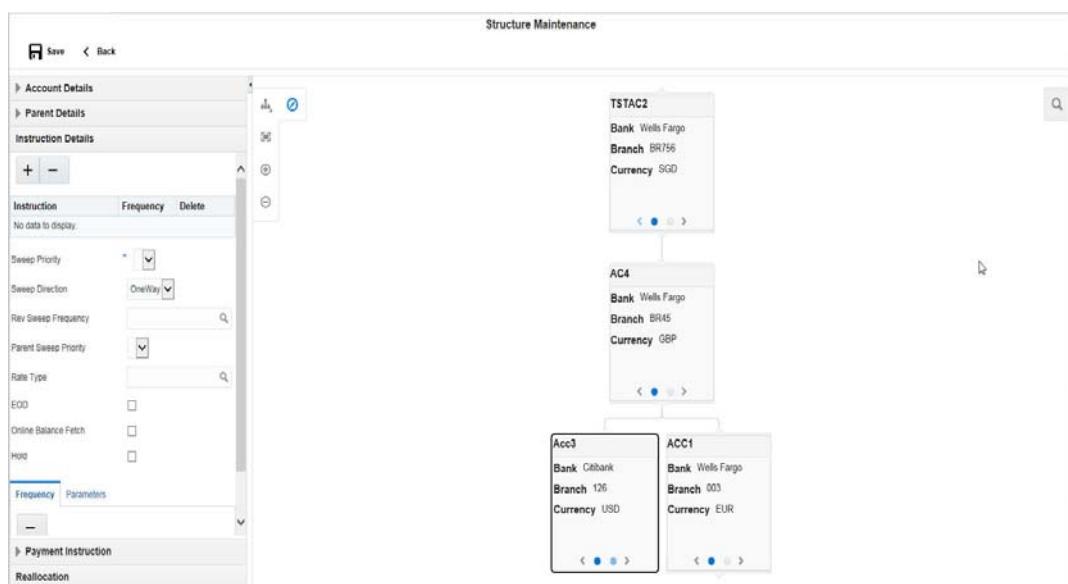
Once the structure is set, click 'Validate' button to validate the structure. The system checks the validations set up at the various setup screens and throws error, if the structure formed is not complying.



If all the validations are met, system displays a message 'Structure Validated Successfully'. Click 'OK'.

7.2.5 Setting Instruction Details

Click 'Next' to set the instruction parameters.



Click on a child account to set the instruction details for that child-parent account pair.

Click 'Instruction Details' link in the left of the application. Click '+' button to add instruction ID. An option list is displayed with all the instruction IDs maintained in the system.

InstructionID	Desc
Search	
Select	InstructionID
<input type="checkbox"/>	ID48
<input type="checkbox"/>	ID47
<input type="checkbox"/>	ID46
<input type="checkbox"/>	ID45
ADD	

You can select the instruction ID from the option list. One or more instruction IDs can be selected for an account. Click 'ADD' to add them.

Instruction Details				
		+	-	
Instruction	Priority	Frequency	Delete	
Fixed Amount...	<input type="button" value="▼"/>	<input type="button" value="+"/>	<input type="checkbox"/>	
Range Based...	<input type="button" value="▼"/>	<input type="button" value="+"/>	<input type="checkbox"/>	
Zero Balance...	<input type="button" value="▼"/>	<input type="button" value="+"/>	<input type="checkbox"/>	

In case of multiple Instruction IDs, you can select the instruction priority from the drop down list.

Setting Frequency

To set frequencies for the selected Instruction ID, click on '+' button. An option list is displayed with all the frequencies maintained in the system.

Frequency		
FrequencyId	FrequencyDesc	
		<input type="button" value="Search"/>
SelectFrequency	FrequencyID	FreqDesc
<input type="checkbox"/>	F9970	TEST WEEKLY
<input type="checkbox"/>	F9791	fgd
<input type="checkbox"/>	F9623	EVERY MONTH 4TH BOD
<input type="checkbox"/>	F9560	FRIDAY EOD
		<input type="button" value="ADD"/>

You can select the frequencies from the option list. One or more frequencies can be selected for an instruction. Click 'ADD' to add them.

You can click on the Instruction set and view the selected frequencies for it under the tab Frequency.

Instruction	Frequency	Delete																		
Zero Balance...	<input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 50%;" type="button" value="+"/>	<input type="checkbox"/>																		
Collar Model	<input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 50%;" type="button" value="+"/>	<input type="checkbox"/>																		
Sweep Priority * <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="1"/>																				
Sweep Direction <input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="TwoWay"/>																				
Rev Sweep Frequency <input type="text" value="D05"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px;" type="button" value="Search"/>																				
Parent Sweep Priority <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="1"/>																				
Rate Type <input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="STANDARD"/>																				
EOD <input checked="" type="checkbox"/>																				
Hold <input type="checkbox"/>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">Frequency</th> <th style="width: 80%;">Parameters</th> <th style="width: 10%;"></th> </tr> <tr> <td><input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="-"/></td> <td></td> <td></td> </tr> <tr> <td><input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FrequencyID"/></td> <td><input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FreqDesc"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>US</td> <td>US</td> <td><input type="checkbox"/></td> </tr> <tr> <td>f9999</td> <td>f9999</td> <td><input type="checkbox"/></td> </tr> <tr> <td>qwe</td> <td>hjhjh</td> <td><input type="checkbox"/></td> </tr> </table>			Frequency	Parameters		<input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="-"/>			<input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FrequencyID"/>	<input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FreqDesc"/>	<input type="checkbox"/>	US	US	<input type="checkbox"/>	f9999	f9999	<input type="checkbox"/>	qwe	hjhjh	<input type="checkbox"/>
Frequency	Parameters																			
<input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="-"/>																				
<input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FrequencyID"/>	<input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="FreqDesc"/>	<input type="checkbox"/>																		
US	US	<input type="checkbox"/>																		
f9999	f9999	<input type="checkbox"/>																		
qwe	hjhjh	<input type="checkbox"/>																		

Delete

Select the check box and click '-' button to delete the frequency.

Viewing Parameters

You can view the parameters values set for an instruction. Select the Instruction and Click on Parameter tab to view the parameter values set for it.

Frequency	Parameters
<input style="width: 100%; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="paramName"/>	<input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; text-align: center; vertical-align: middle;" type="button" value="paramValue"/>
Maximum	1000
MaximumDeficit	1000
Minimum	500
MinimumDeficit	500
Multiple	50

Specifying Instruction Details

You can enter the following details in the Instruction Details section:

Sweep Priority

When a parent has more than one child accounts sweeps are executed based on the Sweep priority. During the sweep execution the least account priority pair will get executed first

Select the sweep priority for the account pair from the drop down list.

Sweep Direction

Select the sweep direction from the drop down list. The options are:

- One Way - Credit balances are only swept out of the account

- Two Way - Sweepin is also supported when the balance of the child account are overdrawn

Rev Sweep Frequency

Reverse sweep frequency is the frequency at which the swept funds are remitted back to remitter account. Specify the frequency of reverse sweep. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.

Parent Sweep Priority

The system provides prioritized sweeps to child accounts if a parent has multiple child accounts in debit balances and the Master/parent account does not have sufficient funds to cover all child account overdrafts during the 2 way sweep

The child account having the least priority will get the funds first.

Instruction Priority

Select the instruction priority from the drop down list. When more than one instruction is set up between a pair of accounts the instruction priority comes in to picture, the instruction with the least number will get executed first

Rate Type

Specify the rate type of the account pair. You can select the rate type from the option list. The list displays all the rate types maintained in the system

EOD

Check this box to execute the instructions at EOD.

Hold

Check this box to hold the execution of instruction of the account pair.

7.2.6 Specifying Payment Details

Payment details are set for the account pair based on which payment parameters will be sent to DDA to fetch the balances.

If the account pair is set for one way, only one way parameter can be viewed on screen. Else both one way and two way options can be viewed. Select the one way and two way parameters from the drop down list. The list displays all the parameters that are set for the account in payment parameters setup.

Payment Instruction for Beneficiary Account details are displayed on the payment instruction panel.

The screenshot shows a vertical navigation pane on the left with sections: Account Details, Parent Details, Instruction Details, and Payment Instruction. The 'Payment Instruction' section is highlighted. Below this is a dropdown menu showing 'Oneway' and 'FLEXCUBE - MT101'. Under 'Parameters', there is a table with a single row: ParamName 'SYSTEM' and Value 'SOURCE'. At the bottom is a 'Reallocation' section.

Click Save to save the structure.

7.2.7 Modifying Structure

Any structure which is designed can be modified by opening the structure and clicking on the Modify button. The following modifications can be done:

- Add or delete accounts in the structure
- Change the Instruction parameters set for an account pair
- Resume/Pause the Structure.

You cannot change the header account of a structure..

7.2.8 Resume/Pause the Structure

The screenshot shows the Oracle Banking Liquidity Management interface. The top navigation bar includes 'Dashboard', 'Setup', 'Batch', 'Structure Maintenance', 'Simulator', and a user 'LMADMINUSER1'. The 'Structure Maintenance' screen is open, showing a 'Modify' button. The main panel contains fields for Structure ID (STWF10166), Structure Description (SHRPTEST2), Version Number (12), and various parameters like Effective Date (7/24/2017), Default Frequency (SHRSWEEP), and Rate PickUp (Pegged Rate). The 'Account Details' panel shows account numbers, branches, currencies, and available balances. The 'Structure' panel displays a grid of accounts, with one account selected: 'SHRACC16' with branch 'LMB', currency 'USD', balance '0', and country 'IND'.

The processing of sweeps\pools on a structure can be paused temporarily by selecting the pause button on the structure though the modification operation.

Following are the effects of Pause on structure.

- If structure is Paused then all the Sweeps (Sweep Structure (Including Investment sweeps of TD & MM)) will be stopped.
- Pools contribution updates (Pool Structure) or Sweep and Pools contribution updates (Hybrid) on the paused structure will be stopped.
- BVT transactions hitting the accounts which are part of a structure's marked for Pause will be ignored and BVT processing would be skipped for those structures.

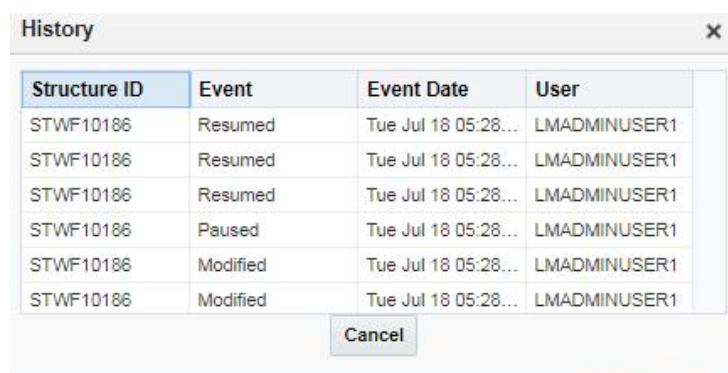
The structure processing can be resumed the by unselecting the Pause option.

On Pausing the Structure, Alert gets generated on the alert widget on banker dashboard about the structure being paused for execution.

On revoking the Pause, an Alert message should be generated on the Alert widget on banker dashboard about the structure pause being revoked.

7.2.9 Get history for structure

On selection of **Get History** option user would be able to view the entire history for that specific Structure starting from the creation, pause, resume and modifications.



The screenshot shows a 'History' dialog box with a table of events. The table has columns: Structure ID, Event, Event Date, and User. The data in the table is as follows:

Structure ID	Event	Event Date	User
STWF10186	Resumed	Tue Jul 18 05:28...	LMADMINUSER1
STWF10186	Resumed	Tue Jul 18 05:28...	LMADMINUSER1
STWF10186	Resumed	Tue Jul 18 05:28...	LMADMINUSER1
STWF10186	Paused	Tue Jul 18 05:28...	LMADMINUSER1
STWF10186	Modified	Tue Jul 18 05:28...	LMADMINUSER1
STWF10186	Modified	Tue Jul 18 05:28...	LMADMINUSER1

7.3 Structure Summary

This screen is used to find out the structure in which the selected account is a participant . User can search records using Customer ID, Account Number & Structure ID.

C Get Details **X** Cancel

Customer ID * DRAGON

Account Number

Structure ID

Structure Summary

Account Number	Branch Code	Currency Code	External Account	Status	Structure ID	Version Number	Structure Description	Parent Account Number	Hold	Ava
LM141002	GG5	USD		A	EUSTR6841	1	1-WAY SWEEP WITH RE...	LM140001-GG4-USD	No	40,0
LM141001	GG4	USD		A	EUSTR6841	1	1-WAY SWEEP WITH RE...	LM140001-GG4-USD	No	40,0
LM140001	GG4	USD		A	EUSTR6841	1	1-WAY SWEEP WITH RE...		No	0,00

8. Balance Build

OBLM is a standalone system with accounts and balances being mirrored from DDA's. The actual accounts and balances are on DDA.

OBLM will either pull the account turnover data from DDA and build the balance for the account or DDA will push the actual value dated balances to OBLM tables based on which OBLM will update the account balances and carry out its function of sweeping and pooling

8.1 Maintaining Balance Upload

Balance fetch parameter maintained at Branch Setup maintenance will govern the mode of balance update on OBLM. OBLM supports two modes of balance update, Online and Offline

8.1.1 Online Mode

In the online mode, the balances for the accounts in the branch will be fetched through a Web Service from the DDA. Basically it's a pull by OBLM from DDA. The balance build always happens before the sweep/pool execution hence the sweeps/pool will always be performed on the latest balances on the account.

OBLM builds online balances in the following manner.

8.1.1.1 Value Date Build

In this scenario OBLM will fetch balances from the DDA. The balance fetch includes previous day (T-1) closing value date account balance and the account turnover for the current book date (T) based on which the balance is built for the account. The account turnover considers transaction posted by the DDA and the transactions posted by OBLM as well (which may be due to Intraday/time based sweeps)

As part of account turnover fetch OBLM can receive the following:

- Only current value dated (T) turnover. In this situation the TO is clubbed with previous day's value date balance to arrive at today's value date balance
- Both current value dated (T) turnover and back dated turnover (T-X, where X is the number of days) or
- Only back dated turnover (T-X, where X is the number of days).

8.1.1.2 DDA Turnover(BVT Turnover)

In this scenario OBLM will only fetch the turnover for all the days in the BVT period without including the transactions that are posted by LM. This is used for BVT processing.

8.1.2 Offline Mode

In offline mode, the balances for the accounts in the branch will be fetched from the backend tables of OBLM. These balances are updated through a periodic file upload from DDA. Basically it's a push from DDA to OBLM. DDA will keep periodically pushing the balance files to OBLM and the periodicity is governed by the DDA. OBLM will refer to its backend tables before the start of sweep/pool.

In offline method OBLM will build balances on actual value dated balances of the participant accounts (based on the last file upload from DDA)

Note

All transaction posted in DDA from OBLM, will have a unique transaction code.

9. Maintaining Batches

9.1 Introduction

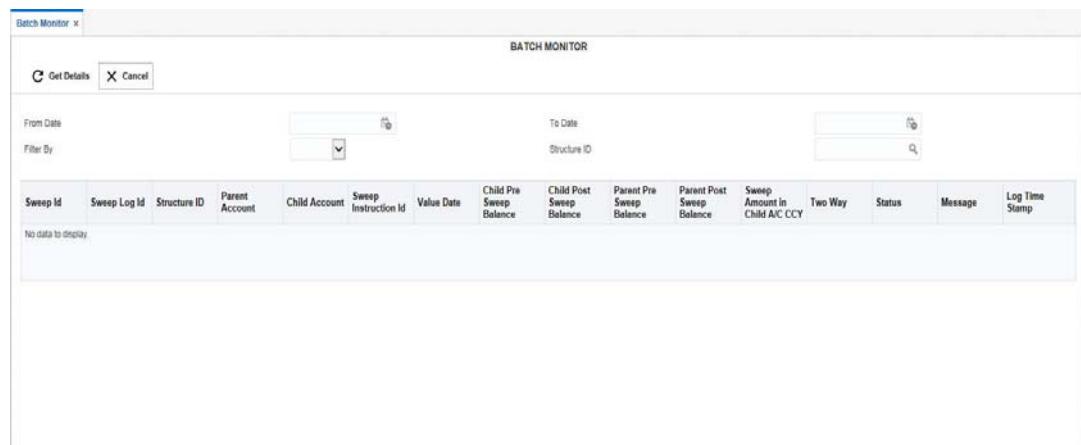
This chapter deals with the various batches maintained in the Global Liquidity Management Application.

This chapter contains the following sections:

- [Section 9.2, "Sweep Monitor"](#)
- [Section 9.3, "BVT Monitor"](#)
- [Section 9.4, "Sweep Batch"](#)
- [Section 9.5, "Job Scheduler"](#)
- [Section 9.6, "Pool Batch"](#)
- [Section 9.7, "EOD Batch"](#)
- [Section 9.8, "Reverse Sweep Monitor"](#)
- [Section 9.9, "MBCC Monitor"](#)
- [Section 9.10, "Interface Monitor"](#)

9.2 Sweep Monitor

This option enables you to view the batches for a structure according to structure ID and date. To invoke this screen, click 'Batch' tab on the application and select 'Sweep Monitor'.



Sweep Id	Sweep Log Id	Structure ID	Parent Account	Child Account	Sweep Instruction Id	Value Date	Child Pre Sweep Balance	Child Post Sweep Balance	Parent Pre Sweep Balance	Parent Post Sweep Balance	Sweep Amount in Child A/C CCY	Two Way	Status	Message	Log Time Stamp
No data to display.															

You can enter the following details:

From Date

Specify the start date from which to view the batches.

To Date

Specify the end date till which to view the batches.

Filter By

Select the filtering criteria of the output from the drop down menu. The options are:

- All
- Exceptions
- Pending

- Success

Structure ID

Specify the structure ID for which the batches are to be viewed. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Click 'Get Details' button to view the result below.

BATCH MONITOR															
Get Details		Cancel		From Date		To Date		Structure ID							
Filter By		All													
Sweep Id	Sweep Log Id	Structure ID	Parent Account	Child Account	Sweep Instruction Id	Value Date	Child Pre Sweep Balance	Child Post Sweep Balance	Parent Pre Sweep Balance	Parent Post Sweep Balance	Sweep Amount in Child A/C CCY	Two Way	Status	Message	Log Time Stamp
0	555503	TESTSTR1	DMACC001...	ID001		Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-21 23...		
0	555521	TESTSTR1	DMACC002...	ID001		Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-26 13...		
0	555529	TESTSTR1	DMACC002...	ID001		Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-25 13...		
0	555519	TESTSTR1	DMACC003...	ID001		Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-24 16...		
0	555518	TESTSTR1	DMACC003...	DMACC003...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-23 13...		
0	555517	TESTSTR1	DMACC002...	DMACC002...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-22 13...		
0	555516	TESTSTR1	DMACC002...	DMACC002...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-21 23...		
0	555501	TESTSTR1	DMACC001...	DMACC001...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-21 23...		
0	392	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-27 16...		
0	314	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-26 13...		
0	306	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-25 13...		
0	302	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-24 16...		
0	31	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-23 13...		
0	301	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-22 13...		
0	189	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		S	2016-09-21 23...		
0	116	TESTSTR1	SWHORAC00...	SWHORAC00...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		Y	2016-09-26 21...		
0	555515	TESTSTR1	DMACC002...	DMACC002...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		Y	2016-09-26 21...		
43	7531	TESTSTR1	TESTACC003...	TESTACC003...	ID001	Tue Feb 21...	50000.0	0.0	50000.0	100000.0		S	2017-03-01 11...		
43	2693	TESTSTR1	TESTACC002...	TESTACC002...	ID001	Tue Feb 21...	50000.0	0.0	50000.0	100000.0		S	2017-03-01 11...		
0	555514	TESTSTR1	DMACC003...	DMACC003...	ID001	Tue Feb 21...	1000.0	5000.0	10000.0	5000.0		Y	2016-09-26 17...		

The report generated displays the following

Column	Description
Sweep ID	Displays the sweep ID used to query transaction details and account information
Sweep Log ID	Displays the Sweep Log ID
Structure ID	Displays the structure ID of the executed structure
Sweep Instruction ID	Displays the sweep instruction ID that was executed
Parent Account	Displays the parent account number
Parent Pre Sweep Balance	Displays the balance in the parent account before the execution of the sweep
Parent Post Sweep Balance	Displays the balance in the parent account after the execution of the sweep
Child Account	Displays the child account number
Child Pre Sweep Balance	Displays the balance in the child account before the execution of the sweep

Column	Description
Child Post Sweep Balance	Displays the balance in the child account after the execution of the sweep
Sweep Amount in Child Account CCY	Displays the sweep amount in child account currency
Value Date	Displays the value date of the execution
Two Way	Displays if the sweep is a two way sweep. The values displayed are 'Y' or 'N'
Status	Displays the status of the sweep. The values displayed can be 'S', 'P' or 'E' representing Success, Pending and Exception respectively.
Message	Displays any exception message generated
Log Time Stamp	Displays the system time of the sweep execution
Mode	Displays the mode of the sweep execution
Payment Initiated Time-stamp	Displays the Payment Initiated Timestamp
Payment Acknowledgment Time-stamp	Displays the Payment Acknowledgment Timestamp
Payment Message	Displays the Payment Message

9.3 BVT Monitor

This option enables you to view the back value dated transactions executed. To invoke this screen, click 'Batch' tab on the application and select 'Sweep Monitor'.

Get Details **Cancel**

From Date  To Date

Filter By  Account Number

Bvt Report

Bvt Id	Account Number	Value Date	Transaction Date	Log Time Stamp	Status	Message
No data to display.						

You can enter the following details:

From Date

Specify the start date from which to view the batches.

To Date

Specify the end date till which to view the batches.

Filter By

Select the filtering criteria of the output from the drop down menu. The options are:

- All
- New
- Exceptions
- Pending
- Success

Account Number

Specify the account number for which the BVT details need to be viewed.

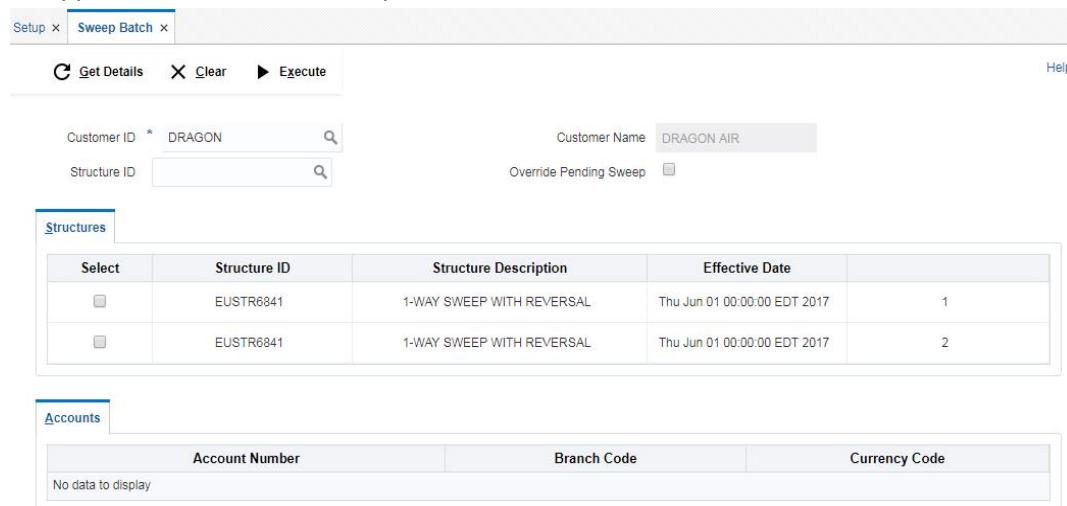
9.3.1 BVT Report

You can view the following details in this section:

Column	Description
BVT ID	Displays the BVT ID
Account Number	Displays the account number
Value Date	Displays the value date of the transaction
Transaction Date	Displays the execution date of the transaction
Log Time Stamp	Displays the time at which the transaction executed
Status	Displays the status of the BVT. The values can be SUCCESS, PENDING or EXCEPTION
Message	Displays the exception message
Amount	Displays the amount in the transaction

9.4 Sweep Batch

Using this option, you can do a sweep manually. To invoke this screen, click 'Batch' tab on the application and select 'Sweep Batch.'



Select	Structure ID	Structure Description	Effective Date	Version Number
<input type="checkbox"/>	EUSTR6841	1-WAY SWEEP WITH REVERSAL	Thu Jun 01 00:00:00 EDT 2017	1
<input type="checkbox"/>	EUSTR6841	1-WAY SWEEP WITH REVERSAL	Thu Jun 01 00:00:00 EDT 2017	2

You can enter the following details here:

Customer ID

Specify the customer ID for which manual batches are to be run. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system

Customer Name

The system displays the name of the selected customer.

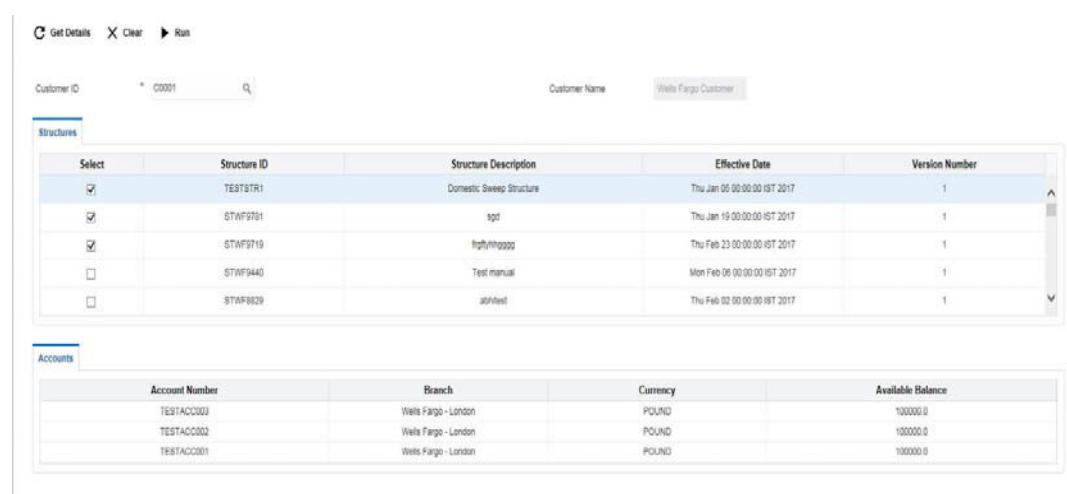
Structure ID

Specify the structure ID for which manual batches are to be run.

Override Pending Sweep

Select this if user wants to override the pending sweep.

Click 'Get Details' button to view the structures linked to the customer ID and accounts linked to each structure.



Select	Structure ID	Structure Description	Effective Date	Version Number
<input checked="" type="checkbox"/>	TESTSTR1	Domestic Sweep Structure	Thu Jan 05 00:00:00 IST 2017	1
<input checked="" type="checkbox"/>	STWF9701	sgd	Thu Jan 19 00:00:00 IST 2017	1
<input checked="" type="checkbox"/>	STWF9719	frgfhfhgggg	Thu Feb 23 00:00:00 IST 2017	1
<input type="checkbox"/>	STWF9440	Test manual	Mon Feb 06 00:00:00 IST 2017	1
<input type="checkbox"/>	STWR8829	ahhstest	Thu Feb 02 00:00:00 IST 2017	1

Account Number	Branch	Currency	Available Balance
TESTACC0001	Wells Fargo - London	POUND	1000000.0
TESTACC0002	Wells Fargo - London	POUND	1000000.0
TESTACC0003	Wells Fargo - London	POUND	1000000.0

Structures

You can view the following details in this section:

Column	Description
Structure ID	Displays the structure ID
Structure Description	Displays the description for the structure
Effective Date	Displays the date from which the structure is effective
Version Number	Displays the version number of the structure

Accounts

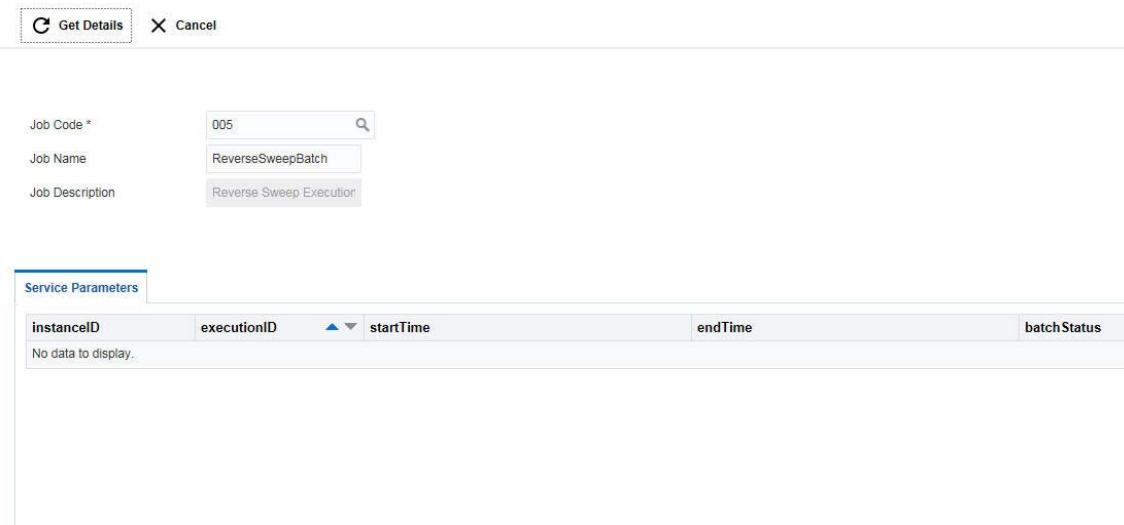
Click on a Structure ID row to view the details of accounts linked to the structure. You can view the following details in this section:

Column	Description
Account Number	Displays the account number
Branch	Displays the branch to which the account belongs
Currency	Displays the currency of the account
Available Balance	Displays the available balance in the account

Click 'Select' check box to select the structure IDs and click 'Run' button to execute the selected structures.

9.5 Job Scheduler

Using this option you can view the status of various jobs executed in the LM system. To invoke this screen, click 'Batch' tab on the application and select 'Job Scheduler.'



The screenshot shows the 'Job Scheduler' interface. At the top, there are 'Get Details' and 'Cancel' buttons. Below them, search fields for 'Job Code' (005), 'Job Name' (ReverseSweepBatch), and 'Job Description' (Reverse Sweep Execution) are present. A 'Service Parameters' section is shown with a table. The table has columns: instanceID, executionID, startTime, endTime, and batchStatus. A message 'No data to display.' is shown in the table area.

You can enter the following details here:

Job Code

Specify the job code for which the scheduler is to run. You can select the job code from the option list. The list displays all the job codes maintained in the system

Job Name

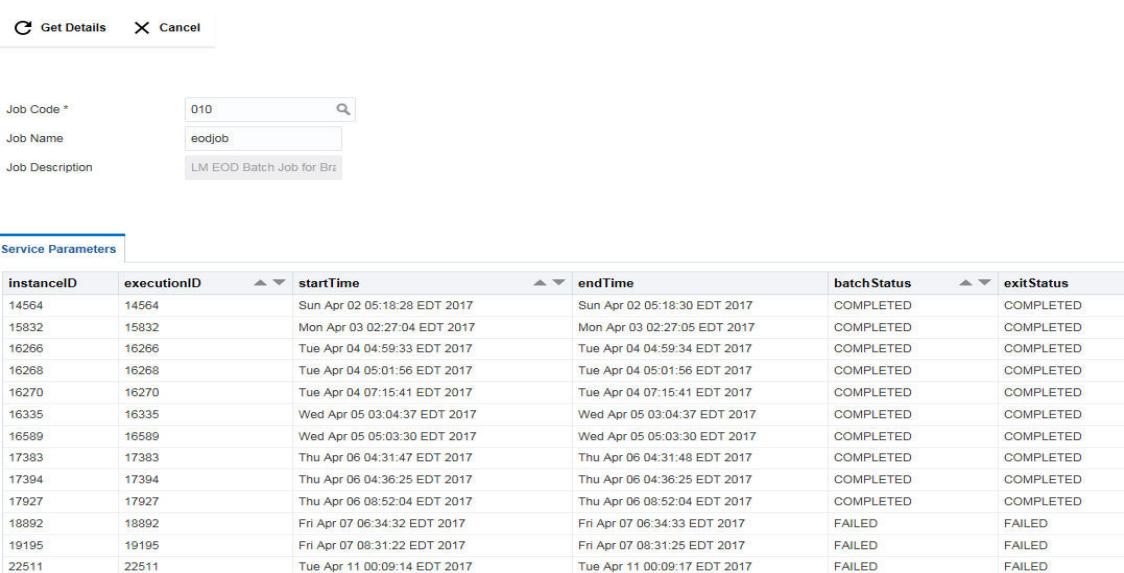
The system displays the name of the job selected.

Job Description

The system displays the description for the selected job.

9.5.1 Service Parameters

Click 'Get Details' button to view the parameters details in this section.



The screenshot shows the 'Service Parameters' interface. At the top, there are 'Get Details' and 'Cancel' buttons. Below them, search fields for 'Job Code' (010), 'Job Name' (eodjob), and 'Job Description' (LM EOD Batch Job for Br) are present. A 'Service Parameters' section is shown with a table. The table has columns: instanceID, executionID, startTime, endTime, batchStatus, and exitStatus. The table lists multiple entries of job executions, each with a unique instanceID and executionID, showing the start and end times, and the status of the batch job.

instanceID	executionID	startTime	endTime	batchStatus	exitStatus
14564	14564	Sun Apr 02 05:18:28 EDT 2017	Sun Apr 02 05:18:30 EDT 2017	COMPLETED	COMPLETED
15832	15832	Mon Apr 03 02:27:04 EDT 2017	Mon Apr 03 02:27:05 EDT 2017	COMPLETED	COMPLETED
16266	16266	Tue Apr 04 04:59:33 EDT 2017	Tue Apr 04 04:59:34 EDT 2017	COMPLETED	COMPLETED
16268	16268	Tue Apr 04 05:01:56 EDT 2017	Tue Apr 04 05:01:56 EDT 2017	COMPLETED	COMPLETED
16270	16270	Tue Apr 04 07:15:41 EDT 2017	Tue Apr 04 07:15:41 EDT 2017	COMPLETED	COMPLETED
16335	16335	Wed Apr 05 03:04:37 EDT 2017	Wed Apr 05 03:04:37 EDT 2017	COMPLETED	COMPLETED
16589	16589	Wed Apr 05 05:03:30 EDT 2017	Wed Apr 05 05:03:30 EDT 2017	COMPLETED	COMPLETED
17383	17383	Thu Apr 06 04:31:47 EDT 2017	Thu Apr 06 04:31:48 EDT 2017	COMPLETED	COMPLETED
17394	17394	Thu Apr 06 04:36:25 EDT 2017	Thu Apr 06 04:36:25 EDT 2017	COMPLETED	COMPLETED
17927	17927	Thu Apr 06 08:52:04 EDT 2017	Thu Apr 06 08:52:04 EDT 2017	COMPLETED	COMPLETED
18892	18892	Fri Apr 07 06:34:32 EDT 2017	Fri Apr 07 06:34:33 EDT 2017	FAILED	FAILED
19195	19195	Fri Apr 07 08:31:22 EDT 2017	Fri Apr 07 08:31:25 EDT 2017	FAILED	FAILED
22511	22511	Tue Apr 11 00:09:14 EDT 2017	Tue Apr 11 00:09:17 EDT 2017	FAILED	FAILED

You can view the following details:

Column	Description
Instance ID	Displays the Instance ID
Execution ID	Displays the Execution ID
Start Time	Displays the start time of the batch
End Time	Displays the end time of the batch
Batch Status	Displays the status of the batch execution. The values displayed can be 'RUNNING', 'FAILED' or 'COMPLETED'.
Exit Status	Displays the exit status of the batch. The values displayed can be 'FAILED' or 'COMPLETED'.

Click 'Cancel' to close the page.

9.6 Pool Batch

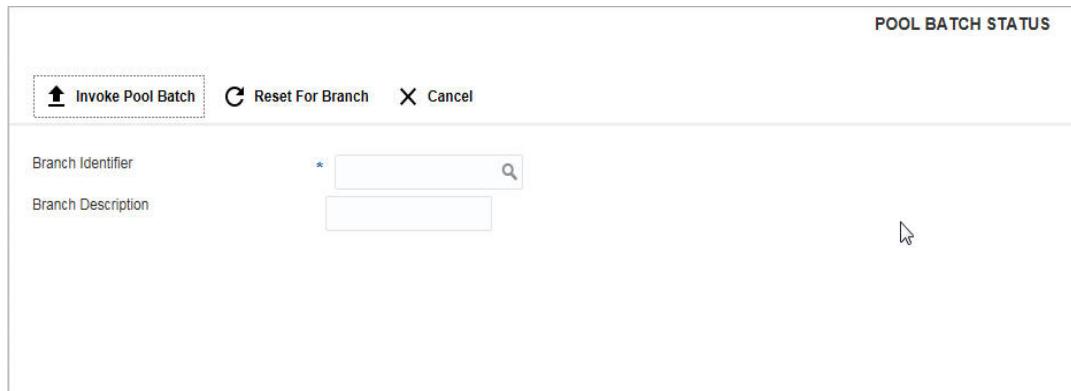
LM system provides pool functionalities through batch, Online and for Simulations. Pool is used to pool the funds to get benefits. Pool structures are created using Structure Maintenance Screen with certain rules and pool business validations. Once created, pool can be run through Pool Batch Status Screen by different use case flows provided. The details of pool log and contributions are displayed on the screen for run results. For more detailed reports we can use report module to generate detailed reports. Pool for a prospect or existing customer can be simulated using simulations module.

To invoke Pool Batch Status screen, click 'Batch' tab on the application and select 'Pool Batch'

The screenshot shows the 'POOL BATCH STATUS' screen. At the top, there are three buttons: '+ Initiate Pool For Branch', '+ Initiate Pool For Structure', and '⟳ Refresh Pool Log Details'. Below these are two tabs: 'Pool Log Details' (selected) and 'Pool Contributions'. The 'Pool Log Details' tab displays a table with columns: Pool ID, Log Time, Structure ID, Version, Customer, Parent Account, Parent Branch, Parent Currency, Status, Status Message, and Value Date. A message 'No data to display.' is shown. The 'Pool Contributions' tab displays a table with columns: Child Account, Child Branch, Child Currency, Forex Rate, Contribution, and Value Date. A message 'No data to display.' is shown.

9.6.1 Initiating Pool for Branch

To invoke or reset pool for a branch, click 'Initiate Pool For Branch' button.



The screenshot shows a user interface titled 'POOL BATCH STATUS'. At the top, there are three buttons: 'Invoke Pool Batch' (highlighted with a dashed border), 'Reset For Branch', and 'Cancel'. Below these buttons are two input fields. The first field is labeled 'Branch Identifier' and contains a text input box with an asterisk (*) and a magnifying glass icon. The second field is labeled 'Branch Description' and contains a text input box. A cursor arrow is visible on the right side of the interface.

Branch Identifier

Specify the branch for which the pool has to be executed or reset. You can also select the branch code from the option list. The list displays all the branch codes maintained in the system.

Branch Description

The system displays the description for the selected branch.

9.6.1.1 Invoke Pool Batch

Click on 'Invoke Pool Batch' button to start the pool batch for the selected branch. You get a message saying 'Pool Batch for the selected branch has started'. Click 'OK'.

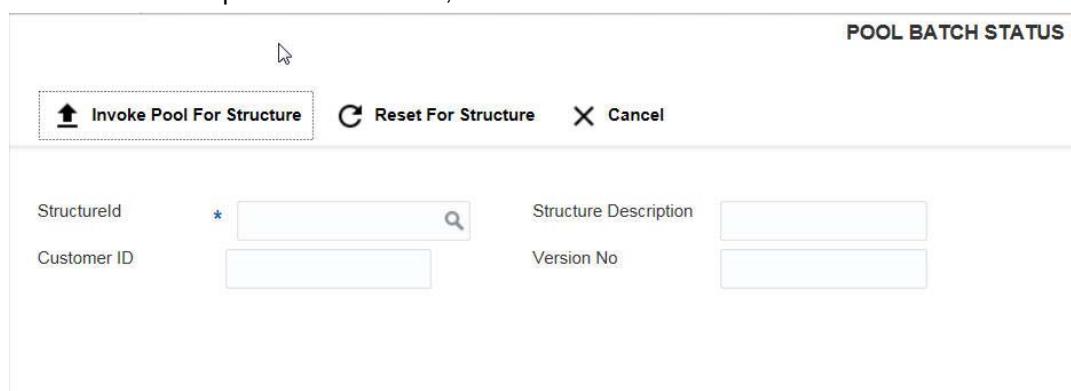
9.6.1.2 Reset Pool Batch

Click on 'Reset Pool Batch' button to reset the pool batch for the selected branch. You get a message saying 'Pool Batch for the selected branch is reset'. Click 'OK'.

Click 'Cancel' to cancel the page and go back to the home page.

9.6.2 Initiating Pool for Structure

To invoke or reset pool for a structure, click 'Initiate Pool For Structure' button.



The screenshot shows a user interface titled 'POOL BATCH STATUS'. At the top, there are three buttons: 'Invoke Pool For Structure' (highlighted with a dashed border), 'Reset For Structure', and 'Cancel'. Below these buttons are four input fields. The first field is labeled 'StructureID' and contains a text input box with an asterisk (*) and a magnifying glass icon. The second field is labeled 'Customer ID' and contains a text input box. The third field is labeled 'Structure Description' and contains a text input box. The fourth field is labeled 'Version No' and contains a text input box. A cursor arrow is visible on the left side of the interface.

Structure ID

Specify the structure for which the pool has to be executed or reset. You can also select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Structure Description

The system displays the description for the selected structure.

Customer ID

The system displays the customer ID associated with the selected structure.

Version No

The system displays the version number of the selected structure.

9.6.2.1 Invoke Pool Batch

Click on 'Invoke Pool For Structure' button to start the pool batch for the selected structure. You get a message saying 'Pool Batch for the selected structure has started'. Click 'OK'.

9.6.2.2 Reset Pool Batch

Click on 'Reset For Structure' button to reset the pool batch for the selected structure. You get a message saying 'Pool Batch for the selected structure is reset'. Click 'OK'.

Click 'Cancel' to cancel the page and go back to the home page.

9.6.3 Refreshing Pool Log Details

Click on 'Refresh Pool Log Details' button to view the pool log details.

9.6.4 Pool Log Details

You can view the following details under the Pool Log Details section:

Column	Description
Pool ID	Displays the pool ID
Log Time	Displays the log time
Structure ID	Displays the ID of the structure being executed
Version	Displays the version of the structure
Customer	Displays the name of the customer
Parent Account	Displays the parent account number
Parent Branch	Displays the branch to which the parent account belongs to
Parent Currency	Displays the currency of the parent account
Status	Displays the status of the execution
Status Message	Displays the status message
Value Date	Displays the value date of execution

9.6.5 Pool Contributions

You can view the following details under the Pool Contributions section:

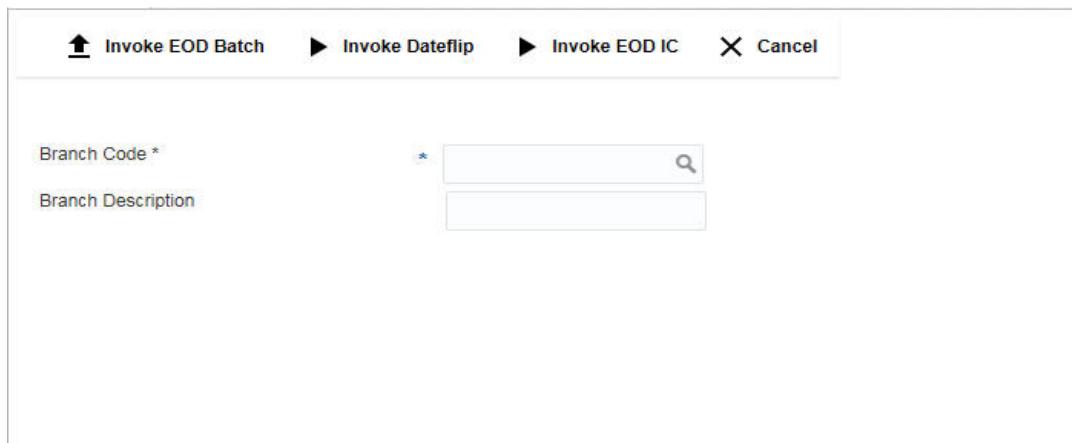
Column	Description
Child Account	Displays the child account number
Child Branch	Displays the branch of the child account
Child Currency	Displays the currency of the child account
Forex Rate	Displays the forex rate fixed
Contribution	Displays the amount contributed by the child account
Value Date	Displays the value date of the execution

9.7 EOD Batch

LM system allows you to perform EOD operations manually using the EOD batch screen. The EOD tasks are performed in a given order for a given branch. The order of jobs invoked during the EOD is as below:

- BVT Sweep
- EOD Sweep of Account Pairs
- EOD Sweep of Structures
- EOD Pool
- EOD IC
- EOD Date Flip

To invoke EOD Batch Status screen, click 'Batch' tab on the application and select 'EOD Batch';



9.7.1 Invoking EOD Batch

Enter the following details:

Branch Code

Specify the branch for which the EOD is to be initiated. You can also select the branch code from the option list. The list displays all the branch codes maintained in the system.

Branch Description

The system displays the description for the selected branch code.

Click 'Invoke EOD Batch' button to initiate EOD batch. System displays a message saying 'EOD batch for selected branch has started.'

9.7.2 Invoking DateFlip

Select the branch for which the date flip has to be done from the option list.

Click on 'Invoke DateFlip' button to move the application to the next working date.

Click 'Cancel' button to close the current page and view the home page.

9.7.3 Invoking EOD IC

Select the branch for which the EOD IC has to be done from the option list.

Click on 'Invoke EOD IC' button to start the EOD IC for the selected branch

Click 'Cancel' button to close the current page and view the home page.

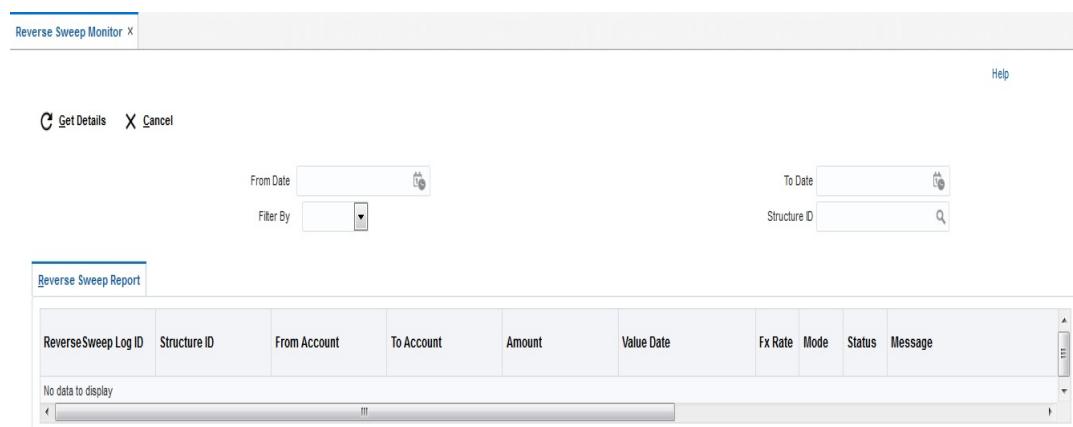
9.7.4 Viewing EOD Status

To view the status of the EOD jobs executed, you can fetch the details using Job Scheduler.

For more information on 'Job Scheduler' refer to the section ““Job Scheduler” on page 7” in this User Manual.

9.8 Reverse Sweep Monitor

This option enables you to view the Reverse Sweep for a structure according to structure ID and date. To invoke this screen, click 'Batch' tab on the application and select 'Reverse Sweep Monitor'.



ReverseSweep Log ID	Structure ID	From Account	To Account	Amount	Value Date	Fx Rate	Mode	Status	Message
No data to display									

You can enter the following details:

From Date

Specify the start date from which to view the batches.

To Date

Specify the end date till which to view the batches.

Filter By

Select the filtering criteria of the output from the drop down menu. The options are:

- All
- New
- Exceptions
- Pending
- Success

Structure ID

Specify the structure ID for which the batches are to be viewed. You can select the structure ID from the option list.

You can view the following details in this section:

Column	Description
Structure ID	Specify the structure ID for which the batches are to be viewed. You can select the structure ID from the option list.
Reverse Sweep Log Id	Displays the Reverse Sweep Log ID
Structure ID	Displays the structure ID of the executed structure
From Account	Displays the From account number
To Account	Displays the To account number
Amount	Displays the amount.
Value Date	Displays the value date of the execution

9.9 MBCC Monitor

This option enables you to view the MBCC for a Customer according to structure ID and date. To invoke this screen, click 'Batch' tab on the application and select 'MBCC Monitor'.

The screenshot shows the 'MBCC Monitor' interface. At the top, there are search fields for 'Customer ID', 'Origin Account Number', 'From Date', 'Structure ID', 'Destination Account Number', and 'To Date'. Below this is a table titled 'MBCC Report' with columns: Structure ID, Structure Description, Origin Account Number, Origin Account Description, Origin Branch Code, Origin Branch Name, Origin Currency Code, Sweep Concentration Method, and Destination Account Number. A message 'No data to display' is shown, and a scroll bar is visible at the bottom of the report area.

You can enter the following details:

Customer ID

Enter the customer ID to view the MBCC.

Structure ID

Specify the structure related to selected Customer ID.

Origin Account Number

Specify the Origin account number

Destination Account Number

Specify the Destination account number

From Date

Specify the start date from which to view the MBCC.

To Date

Specify the end date till which to view the MBCC.

You can view the following details in this section:

Column	Description
Structure ID	Displays the Structure ID
Structure Description	Displays the Structure Description
Origin Account Number	Displays the Origin Account Number
Origin Account Description	Displays the Origin Account Description
Origin Branch Code	Displays the Origin Branch Code
Origin Branch Name	Displays the Origin Branch Name
Origin Currency Code	Displays the Origin Currency Code
Sweep Concentration	Displays the Sweep Concentration Method

Column	Description
Destination Account Number	Displays the Destination Account Number
Destination Account	Displays the Destination Account Description
BIC Code	Displays the BIC Code
Destination Branch Name	Displays the Destination Branch Name
Destination Currency	Displays the Destination Currency
Event Code	Displays the Event Code
Event Description	Displays the Event Description
Direction	Displays the Direction
Event Date	Displays the Event Date
Status	Displays the Status
Exception Message	Displays the Exception Message

9.10 Interface Monitor

This option enables you to view the Interface according to given dates. To invoke this screen, click 'Batch' tab on the application and select 'Interface Monitor'.

From Date

Specify the start date from which to view the MBCC.

To Date

Specify the end date till which to view the MBCC.

System ID

System

Column	Description
Date	Displays the date
External System	It displays the External System of the interface
Interface Action	It displays the Interface Action
Direction	It displays the Direction
Status	It displays the Status of Interface
Structure Affected	It displays the Which Structure Affected
Exception Message	It displays the if any Exception Message is there
Root Cause	It displays the Root Cause

10. BVT Handling

During the balance build process, whenever system receives a transaction for which value date is less than the system date of the branch (booking date), system will mark that transaction/s as BVT.

During the EOD processing, OBLM will identify accounts and their related structures for which back value dated transaction has to be processed. The BVT processing will always be done at the structure headers EOD.

The system rebooks the sweeps (in case of physical pooling) and adjusts the interest amount that had been accrued and settled in the accounts when you input a transaction with a back value date. In case of a change in the Account Structure in the interim between the Back Value Transaction (BVT) date and current date, the system uses the account structure existing on the execution days.

10.1 BVT Handling

Any back valued transaction will result in rebooking of sweeps from that particular BVT date. If the Account Structure had undergone a change in the period between the BVT date and current date, system will take the appropriate previous structure information into account while replaying the sweeps

System will carry out the following steps during BVT processing

Condition	Action
Reversal of Sweeps	System Reverses all the sweep instructions executed on relevant structures from back value date to current date
BVT balance adjustments	System adjusts the balances of an account based on BVT transactions
Re-play sweep instructions	System replays all the sweep instructions from Back value date to current date for all related structures, taking into account the BVT adjusted balances.
BVT update to Core Banking System	Send post-BVT, post-sweep balance corrections for all effected accounts, considering BVT adjustments to Core Banking System

System will process BVT only for Value Date based sweeps.

Whenever a BVT transaction hits an account, the corresponding Account that was active on that effective date is taken into consideration for pre-liquidity management and post-liquidity management balances.

10.1.1 Replay of Sweeps

Replay of sweeps will be an internal process to OBLM and are carried out in the following manner:

- All the sweep transactions, if any, of affected structures are to be reversed on the BVT date

- Considering the BVT sweep adjustments, the System will replay all the sweeps in order to ensure that value dated balances for Parent Account as well as other Child Accounts in the structure are correctly updated
- Considering the updated System account balances, the system will reverse the sweep transactions, including the reverse sweeps, and then replay the sweep cycle till the current processing date
- Replayed sweeps (re-booked entries) will have the booking date as the processing date (date on which BVT is processed which would be the current system date for the account) and the value date will be in back period
- While processing multiple BVT entries for an account the system will start processing the BVTs from the earliest value date.
- The Post Sweep Balances are updated accordingly for the Account + Effective Date + Account Combination

The accounting entries hand off to the core banking system will be done according to the payment instruction maintenance parameters maintained at the branch level.

10.1.2 Pool Structures

For pooling structured affected by BVT transactions, system will get all the contribution made to the LM contributions table from the BVT date and adjust the contribution table for all the structures which had BVT accounts.

10.1.3 Multicurrency

While replaying sweep instructions, system considers exchange rates for the particular date in the back period, where cross currency sweeps are involved

10.1.4 BVT with Structural Changes

While replaying sweep instructions, system considers appropriate historic structures

11. Simulation of Liquidity Structures

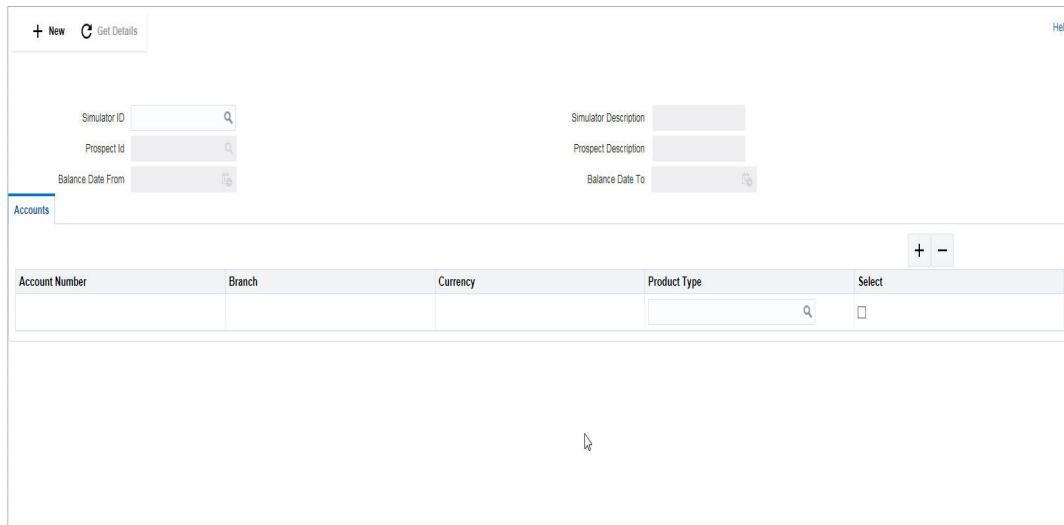
11.1 Introduction

Banks/Customers can simulate the structure, perform the sweep and check the balances using the sample data for a specific period of time. If the results are satisfactory, this structure can be saved for real time use. Simulation structure provides the following benefits:

- Check post sweeping balances using historical data
- Make account level changes and simulate to observe changes in balances
- Create new structures based on user requirements and simulate with user input data
- Convert simulated structures to real structure
- Copy the interest rates and terms & conditions while converting the simulated structure into real structure and redefine if required

11.2 Simulation with New Data

You can use the Simulator screen to simulate new data and generate structures. Click on Simulator Tab and select Simulator New link to open screen..



The screenshot shows the 'Simulator New' screen. At the top, there are buttons for '+ New' and 'Get Details' and a 'Help' link. Below these are fields for 'Simulator ID' (with a search icon), 'Prospect id' (with a search icon), 'Balance Date From' (with a calendar icon), 'Simulator Description' (with a search icon), 'Prospect Description' (with a search icon), and 'Balance Date To' (with a calendar icon). A blue 'Accounts' tab is selected. Below the tabs is a table with columns: Account Number, Branch, Currency, Product Type, and Select. There are '+' and '-' buttons above the table, and a search icon and a 'Select' checkbox are at the bottom right of the table. A cursor arrow is visible at the bottom center of the screen.

Click New button to start a new simulation. You can specify the following details here:

Simulator ID

The system displays the simulator ID that is auto generated.

Simulator Description

Specify a description for the simulator ID.

Prospect ID

The system displays the auto generated prospect ID.

Prospect Description

Specify a description for the prospective customer.

Balance Date From

Specify the start date for the simulation.

Balance Date To

Specify the closing date for the simulation. The To date should be more than the From date.

11.2.1 Adding Accounts for the Structure

To add accounts click on Sample File button to download the excel file from the system. You can enter the account details and Click Upload button to upload the file.

Product Type

Specify the product from the pick list. All the accounts uploaded will be assigned this product type.

Click on '+' button to add accounts. All the uploaded accounts will be listed here. You can select the accounts and click 'ADD'.

Click 'Next' button to start creating the structure. The liquidity structure can be designed and the balances can be viewed in as in the normal structure maintenance.

For more information on 'Structure Maintenance' screen refer to the section "Maintaining a Structure" on page 7 in this User Manual.

Once the structure is designed and parameters are set, you can click on 'Simulate' button. The structure will be saved and sweeps will be executed.

Note

The simulation will be executed only if the balances uploaded are for the period in which the simulation is executed.

You will be directed to the Reports screen. ,

Submit

Discard

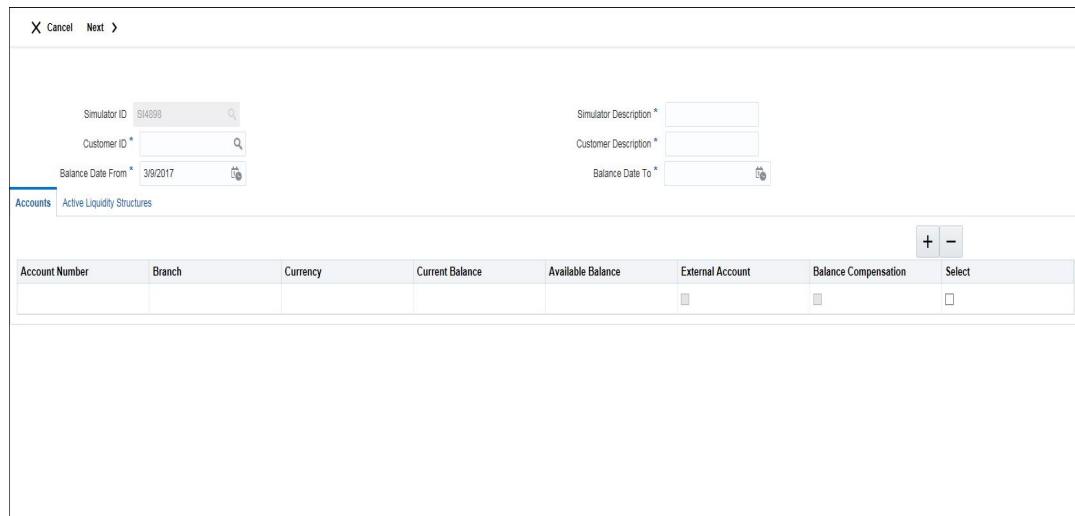
[Sweep Log Report](#)

[LM Benefit Report](#)

Click on 'Submit for Approval' or 'Discard'.

11.3 Simulation with Existing Data

You can use the Simulator screen to simulate existing data and generate structures. Click on 'Simulator' Tab and select 'Simulator Existing' link to open screen..



The screenshot shows the 'Simulator Existing' screen. At the top, there are search fields for 'Simulator ID' (SI4698), 'Customer ID' (with a search icon), and 'Balance Date From' (3/9/2017). To the right, there are fields for 'Simulator Description' and 'Customer Description', both with text boxes. Below these are 'Balance Date To' fields and a 'Select' button. The main area is a table titled 'Accounts' with a sub-tab 'Active Liquidity Structures'. The table has columns: Account Number, Branch, Currency, Current Balance, Available Balance, External Account, Balance Compensation, and Select. The 'Select' column contains checkboxes. A '+' and '-' button are located at the top right of the table.

Click New button to start a new simulation. You can specify the following details here:

Simulator ID

The system displays the simulator ID that is auto generated.

Simulator Description

Specify a description for the simulator ID.

Customer ID

Specify the customer ID. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Customer Description

Specify a description for the prospective customer.

Balance Date From

Specify the start date for the simulation.

Balance Date To

Specify the closing date for the simulation. The To date should be more than the from date.

11.3.0.1 Simulating with Active Structure

For simulating an existing active structure, click on 'Active Liquidity Structure' tab.



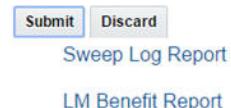
Click on '+' button to view all the active structures listed out. Select the structure required and click 'ADD'.

You can add new accounts for the selected structure if required. Click on 'Account' tab to open it. Click on '+' button to add accounts. All the uploaded accounts will be listed here. You can select the accounts and click 'ADD'.

After the structure selection (also if required account selection) click 'Next' button to go to the next screen. Here you can view the structure selected and the new accounts selected. Now you can start adding account to the structure. The liquidity structure can be designed and the balances can be viewed in as in the normal structure maintenance.

For more information on 'Structure Maintenance' screen refer to the section "Maintaining Accounts in the Structure" on page 5' in this User Manual.

Click on 'Simulate' button to save the simulation structure. Sweeps will get executed and you will be directed to reports screen.



Click on 'Submit for Approval' or 'Discard'.

12. Dashboards

12.1 Introduction

The global liquidity management dashboard provides various information to the user who logs in based on the role associated. The key features of the dashboard are as follows.

- Easy access to alerts and exceptions based on the role.
- Easy view of the data of the customers.
- Summary of the transactions for bank managers to view logically categorized applications for easy analysis and processing

You can view the following Dashboards based on the 'User Role' you are mapped to:

- Banker dashboards
- RM/Corporate dashboard

Each 'User Role' would not require all of the above, hence the system enables grouping of these Dashboards based on the 'User Role'.

Every LM will have a factory shipped branch called the LMB branch in which the currency exchange rates are maintained. All the currencies shown in the dashboard are converted based on these rates.

The following sections explain, in detail, the features associated with each Dashboard, the groups, and the 'User Role' associated with each group.

12.2 Banker Dashboard

In the Banker Dashboard, the application allows you to do the following:

- View a system wide summary of the LM transactions as well as system alerts and exceptions based on the role.

- View the data of all the customers you have access to.

The screenshot displays the Banker Dashboard interface with several widgets:

- Alerts:** A list of system alerts, including:
 - Sweep Id 612 executed for structure STWF5429
 - Sweep Id 613 executed for structure STWF5429
 - Sweep Id 762 executed for structure STWF5429
 - Sweep Id 763 executed for structure STWF5429
 - Sweep Id 764 executed for structure STWF5429
 - Sweep Id 765 executed for structure STWF5429
- Currency Wise Liability - Today:** A bar chart showing liability balances across five currencies: EUR, JPY, GBP, SGD, and USD. The y-axis represents the amount from 0.0M to 2.4M. The x-axis lists the currencies. The chart shows significant values for GBP (~2.2M), SGD (~1.1M), and USD (~0.5M), with smaller amounts for EUR and JPY.
- Top 5 Customer - Sweep Volume in No's - Today:** A table listing the top 5 customers based on sweep volume:

Entity	Name	Count
C0005	Verizon	6
C0003	Uber	10
C0002	Amazon1	11
C0004	Microsoft	17
C0001	Google	32
- Top 5 Customers Effective Balances - ...:** A table listing the top 5 customers based on effective balances:

Customer	Amount	Currency
C0002	100,000	GBP
C0001	183,333.333	USD
C0003	235,000	GBP
C0004	539,000	GBP
C0005	645,566	GBP
- Top 5 Cross border Sweeps - Today:** A table listing cross-border sweeps:

Structure Id	From Account	Amount	To Account	Amount
TESTSTR1	DMACC002	4,300 GBP	TESTACC001	7,000 GBP
TESTSTR1	DMACC002	6,580 GBP	TESTACC001	7,000 GBP
TESTSTR1	DMACC002	8,400 GBP	TESTACC001	7,000 GBP
TESTSTR1	DMACC001	12,000 GBP	TESTACC001	7,000 GBP
TESTSTR1	SWHDRAC001	23,800 GBP	TESTACC001	7,000 GBP
- Pending Task:** A list of pending tasks:

Structure Id Creation- STRWF245	Invalid Structure STRWF245 Submitted
Structure Id Modification- STRAD966	Account Hand Off Batch Failure
Structure Id Modification- STRFLJ566	DDA Balance File Upload Exception
Structure Id Creation- STRD0876	
- Exception List:** A list of exceptions:

Structure Id Creation- STRWF245	Invalid Structure STRWF245 Submitted
Structure Id Modification- STRAD966	Account Hand Off Batch Failure
Structure Id Modification- STRFLJ566	DDA Balance File Upload Exception
Structure Id Creation- STRD0876	

Various widgets for bankers are discussed under the following headings.

12.2.1 Alerts

This widget displays the system alerts generated by all the maintenance screens to the banker. This real time notification to the banker can reduce the turnaround time on roadblocks.

The Alerts widget displays a list of system alerts:

- Sweep Id 612 executed for structure STWF5429
- Sweep Id 613 executed for structure STWF5429
- Sweep Id 762 executed for structure STWF5429
- Sweep Id 763 executed for structure STWF5429
- Sweep Id 764 executed for structure STWF5429
- Sweep Id 765 executed for structure STWF5429

12.2.2 Currency Wise Liability

This widget displays the currency wise liability balances across regions in five main currencies (USD, EUR, GBP, JPY and SGD). This is shown as a bar graph. You can view the balances by hovering over the graph.

This gives a ready reference on regional currency positions for FX planning.



12.2.3 Top Five Customers Effective Balances

This widget lists the top five customers based on the total available balance. The balances are segregated for sweep structures and pool structures and the cumulative balances are shown for both.

This helps to identify the top liquidity customers in a period of time and strategize the sale and customer retention accordingly.

Top 5 Customers Effective Balances - Today		
Customer	Amount	Currency
C0001	0	GBP
C0001	111,111.113	USD
C0001	7,870.000	EUR

The various columns in the widget are as below:

Column	Description
Customer	Displays the customer name
Amount	Displays the balance amount of the customer
Currency	Displays the currency of the balance amount

12.2.4 Top Five Customers - Sweep Volume in Numbers

This widget displays the most active sweep customers for the day. It can help in estimating revenue from each customer when charges are sweep based.

Top 5 Customer - Sweep Volume in No's - Today		
Entity	Name	Count
C0001	Google Plc	419

The various columns in the widget are as below:

Column	Description
Entity ID	Displays the entity ID

Column	Description
Name	Displays the name of the Customer
Count	Displays the count of sweeps

12.2.5 Top Five Cross Border Sweeps

This widget displays the top five cross border sweeps for the day in terms of sweep amount. You can drill down and view the details of the sweep.

Top 5 Cross border Sweeps - Today				
Structure ID	From Account	Amount	To Account	Amount
ST100	A100	314 EUR	A2000	514 USD

The various columns in the widget are as below:

Column	Description
Structure ID	Displays the Structure ID
From Account	Displays the account number from which the sweep was done
Amount	Displays the amount in the account
To Account	Displays the account number to which the sweep was done
Amount	Displays the amount in the account

12.2.6 Pending Task

This widget lists all the pending authorization tasks. You can drill down the list to view the authorization screen. This helps to prioritize and ascertain the authorizations.

Pending Task	
Account WFUS1231A	pending for authorization
Account WFUS1231B	pending for authorization
Account WFUS1231C	pending for authorization

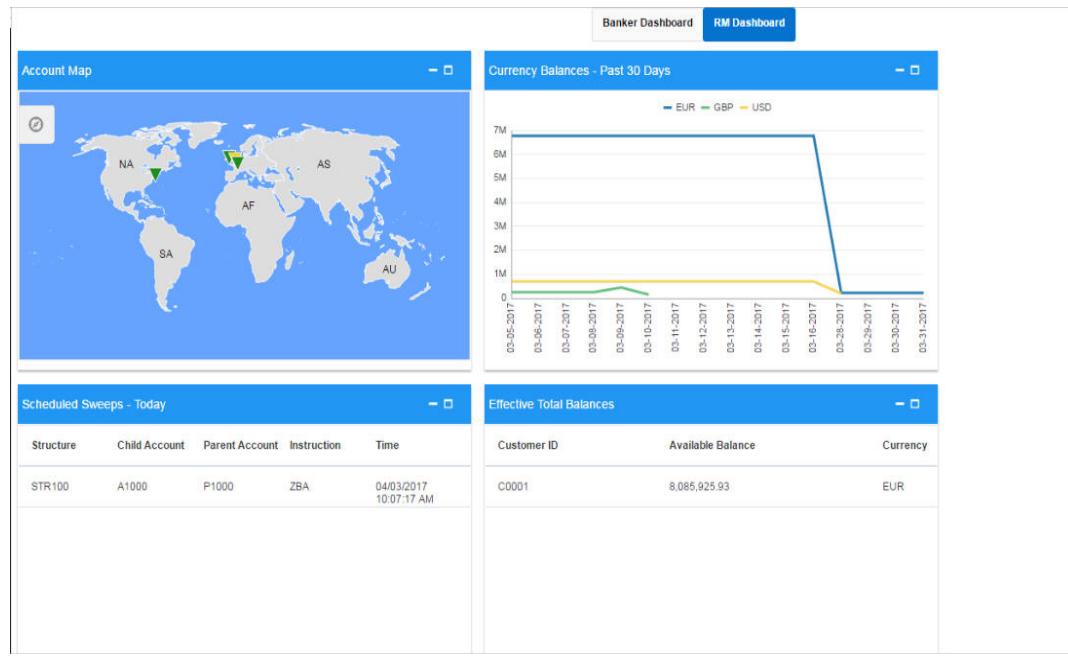
12.2.7 Exception List

This widget lists out all the exceptions encountered for the day and pending for clearance.

Exception List
Sweep Id 263 is already pending for structure STWF7378
Sweep Id 65 is already pending for structure STWF6095
Sweep Id 586 is already pending for structure STWF5429
Sweep Id 586 is already pending for structure STWF5429
Sweep Id 616 is already pending for structure STWF5429
Sweep for Account-Pair WFGLON123A~WFGSAN131B is skipped for Structure STWF5429 cut off failed

12.3 RM Dashboard

Click the **RM Dashboard** tab on the screen. The system displays the list of customers. Select the customer for which the dashboard is to be displayed by clicking the '**Select**' link. The dashboard for the selected customer will be displayed.



RM dashboard allows you to view summary of LM transactions and relevant system alerts

Various dashboards for corporate are discussed under the following headings.

12.3.1 Account Map

In this widget, you can view the currency wise balances of a corporate across all structures in a particular location. You can hover over the dots in a region to see the balances.



The colour of the dots are different depending on the balances.:

Colour of the Dot	Description
Green	The location has positive balances across the currencies
Amber	The location has both positive and negative balances across the currencies
Red	The location has negative balances across the currencies

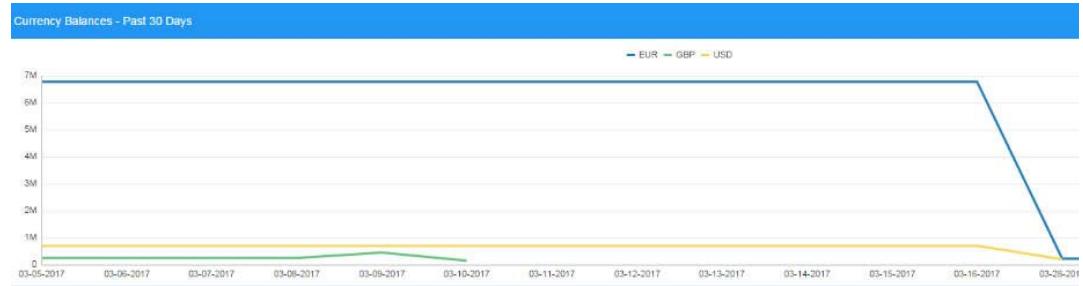
A control panel allows you to view the maps better. Click the control panel icon to open it. The table below briefs the icon and their functions in the control panel.

Icons	Function	Description
	Control Panel	Click this icon to open and close the control panel
	Zoom to Fit	Click this icon to view the map zoomed to fit the screen
	Zoom In	Click this icon to zoom in and get a closer look
	Zoom Out	Click this icon to zoom out and get an overall look.

12.3.2 Currency Balances - Past 30 days

This widget displays the corporate currency wise total positions on a particular day for the past 30 days. The currency balance refers to the EOD balances

This will help to ascertain the global currency positions of the corporate and the changes in currency positions



12.3.3 Scheduled Sweeps - Today

This widget displays the list of sweeps scheduled for the day. The scheduled sweeps will be displayed as per the logged in user's time zone.

Scheduled Sweeps - Today				
Structure	Child Account	Parent Account	Instruction	Time
STR100	A1000	P1000	ZBA	04/03/2017 10:07:17 AM

The various columns in the widget are as below:

Column	Description
Structure ID	Displays the Structure ID
Child Account	Displays the child account number
Parent Account	Displays the parent account number
Instruction	Displays the instruction that the pair is assigned

12.3.4 Effective Total Balances

This widget displays the available balance for the customer respective to currency code

Effective Total Balances		
Customer ID	Available Balance	Currency Code
OFSS	722,489.00	USD

Column	Description
Customer ID	Displays the Customer ID
Available Balance	Displays the Available Balance
Currency Code	Displays the Currency Code

12.3.5 Interest Details

This widget displays the Interest details for the customers respective to Structure ID.

Interest Details				
Customer ID	Structure ID	Month	Interest Earned	Interest Paid
OFSS	ST6469	SEP	9,863 GBP	0 GBP
OFSS	ST6469	SEP	9,863 GBP	0 GBP
OFSS	ST6469	SEP	9,863 GBP	0 GBP
OFSS	ST6469	SEP	9,863 GBP	0 GBP
OFSS	ST6469	SEP	9,863 GBP	0 GBP

12.3.6 Investment Details

This widget displays the Investment details for the customers respective to Structure ID.

Investment Details				
Customer ID	Structure ID	Month	Instrument Type	Amount
OFSS	ST5678	SEP	MM	750,000 GBP
OFSS	ST2239	SEP	MM	25,000 GBP
OFSS	ST9061	SEP	MM	36,000 GBP
OFSS	ST10779	SEP	MM	50,000 GBP
OFSS	ST1147	SEP	MM	30,000 GBP

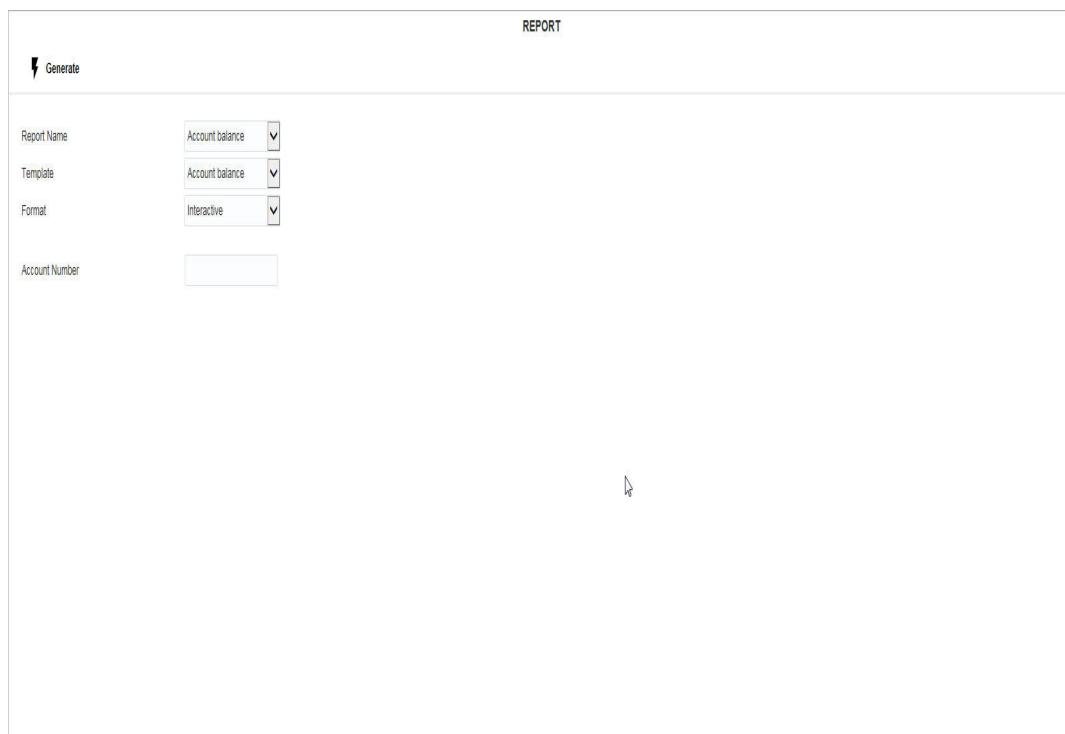
13. Reports

13.1 Introduction

Reports allow you to retrieve information on the several operations that were performed during the day. This chapter discusses the various reports which can be generated using the Oracle Global Liquidity Management application.

13.2 Generating Report

You can generate the various reports using the reports screen. To invoke the report screen, click on **Reports** tab on the application..



The screenshot shows the 'REPORT' screen of the Oracle Global Liquidity Management application. It features a 'Generate' button at the top left. Below it are four input fields: 'Report Name' (set to 'Account balance'), 'Template' (set to 'Account balance'), 'Format' (set to 'Interactive'), and 'Account Number' (empty). A cursor arrow is positioned at the bottom right of the screen.

Specify the following general details:

Report Name

Select the name of the report to be generated from the drop down list. The list displays the following options:

- Interest Accrual Report
- Sweep Reject Report
- Sweep Structure Report
- Sweep Summary Report
- Interest Re-allocation Report
- BVT Report
- Interest Paid Report
- Exception Report
- QC Interface Report

Template

The system displays the template of the report based on the report to be generated.

Format

Select the format in which the report is to be generated from the drop down list. The list displays the following options:

- Interactive
- PDF
- HTML
- RTF
- EXCEL
- PowerPoint

Click **Generate** button to generate the report in the selected format.

This section contains the following topics:

- [Section 13.2.1, "Sweep Structure Report"](#)
- [Section 13.2.2, "Sweep Reject Report"](#)
- [Section 13.2.3, "Sweep Summary Report"](#)
- [Section 13.2.4, "Interest Accrual Report"](#)
- [Section 13.2.5, "Interest Re-allocation Report"](#)
- [Section 13.2.6, "Interest Paid Report"](#)
- [Section 13.2.7, "Exception Report"](#)
- [Section 13.2.8, "QC Interface Report"](#)

13.2.1 Sweep Structure Report

This report provides details on all the Sweep structures maintained with details of the sweep agreements between the participant accounts. You can view it as Daily report and Range report. Invoke the Report screen and select the report name as Sweep Structure Report.



The screenshot shows the 'Reports' screen with the following configuration:

- Report Name:** Sweep Structure Report
- Template:** Sweep Structure Report
- Format:** Interactive
- Customer ID *:** (Search field)
- Structure ID:** (Search field)
- Version Number:** (Search field)

Specify the following additional details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Version No.

Specify the version number for which the report is to be generated.

Click **Generate**. The report will be generated as below:



Sweep Structure Report

Customer ID	structure ID	Version Number																	
ABC	ST2926	5																	
Structure Description	Customer Description	Header Account ID	Header Account Description	Structure Valid From Date	Structure Valid To Date	Structure Version NO	Cross Border	MBCC	Cross Currency										
hyond_structure	ABC	0006	0006	10/01/17 5:00 AM	10/25/18 5:00 AM	5	N	N	N										
<hr/>																			
Child Account Details			Parent Account Details				Other Parameters												
Account Number	Account Description	Branch Code	Branch Ext Ref	Branch Name	Account Currency	Sweep Concentration	Account Priority	Account Number	Account Description	Branch Code	Branch Ext Ref	Branch Name	Account Currency	Sweep Frequency	Two Way Sweep	Reverse Frequency	Interest Method	Reallocation Method	Customer Ext Ref
00023	0002	000		000_Bra_nch	USD	Zero Balance Model	2	00019	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00024	0002	000		000_Bra_nch	USD	Color Model	2	0007	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00013	0002	000		000_Bra_nch	USD	Percentage Model	3	00019	0002	000		000_Bra_nch	USD	Freq	OneWay	I			
00014	0002	000		000_Bra_nch	USD	Fixed Amount Model	1	0007	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
0007	0002	000		000_Bra_nch	USD	Color Model	2	0009	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00017	0002	000		000_Bra_nch	USD	Percentage Model	1	00016	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00012	0002	000		000_Bra_nch	USD	Range Based Model	2	00018	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00026	0002	000		000_Bra_nch	USD	Cover Overdraft Model	1	00019	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00016	0002	000		000_Bra_nch	USD	Target Model - Constant	2	0005	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			
00016	0002	000		000_Bra_nch	USD	Zero Balance	1	0006	0002	000		000_Bra_nch	USD	Freq	TwoWay	I			

1

The table below describes the various columns in the report:

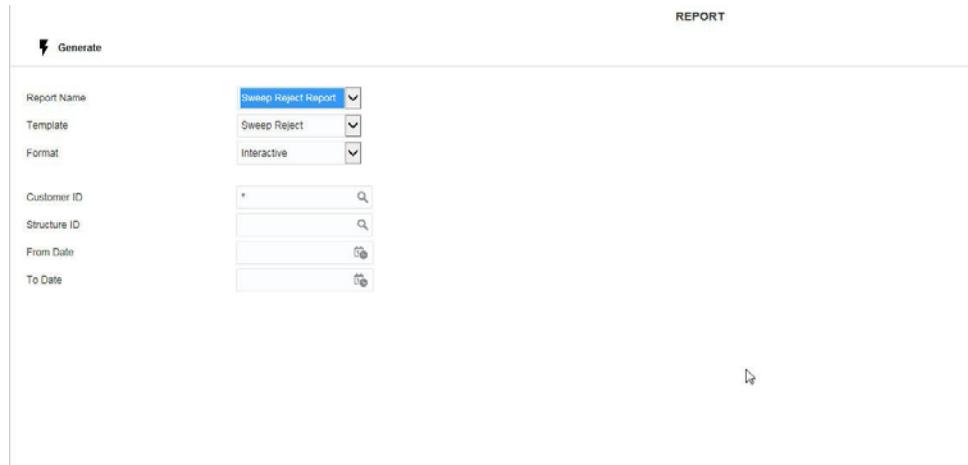
Column	Description
Structure ID	Displays the Structure ID of the sweep structure
Structure Description	Displays the description for the structure ID
Customer ID	Displays the customer ID
Customer Description	Displays the description of the customer
Header Account ID	Displays the ID of the header account
Header Account Description	Displays the description for the header account
Structure Valid From Date	Displays the date from which the structure is valid
Structure Valid To Date	Displays the date till which the structure is valid
Structure Version No	Displays the version number of the structure
Cross Border	Displays if the cross border sweep is allowed for the structure
MBCC	Displays if the Multi Bank Cash Concentration is allowed for the structure

Column	Description
Cross Currency	Displays if cross currency sweep is allowed for the structure
Child Account Details	
Account Number	Displays the child account number
Account Description	Displays the description for child account
Branch Code	Displays the branch code of the child account
Branch Ext Ref	Displays the Branch External Reference
Branch Name	Displays the branch name of the child account
Account Currency	Displays the currency set for the account
Sweep Concentration Method	Displays the sweep concentration method assigned to the pair
Account Priority	Displays the Account Priority
Parent Account Details	
Account Number	Displays the parent account number
Account Description	Displays the description for parent account
Branch Code	Displays the branch code of the parent account
Branch Ext Ref	Displays the Branch External Reference
Branch Name	Displays the branch name of the parent account
Account Currency	Displays the currency set for the parent account
Other Parameters	
Sweep Frequency	Displays the sweep frequency set for the account pair
Two Way	Displays if two way sweep is set for the pair

Column	Description
Reverse Sweep Frequency	Displays the reverse sweep frequency set for the account pair
Interest Method	Displays the Interest Method
Reallocation Method	Displays the Reallocation Method
Customer Ext Ref	Displays the Customer Ext Ref

13.2.2 Sweep Reject Report

This report provides details of Sweeps rejected along with reason for rejection as a Daily report. Invoke the Report screen and select the report name as Sweep Reject Report.



Specify the following additional details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

From Date

Specify the start date from which to generate the report.

To Date

Specify the end date till which to generate the report.

Click **Generate**. The report will be generated as below:

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Sweep Reject Report

Sweep Log ID	Structure ID	Structure Description	Sweep Origin Account					Sweep Destination Account					Sweep Reject Reason	Date & Time Of Reject	
			Account Number	Account Description	Branch Code	Branch Name	Account Currency	Sweep Concentration Method	Account Number	Account Description	Branch Code	Branch Name	Account Currency		
9822993	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/28/16 8:11 PM
1494858	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/23/16 7:39 PM
4174425	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/27/16 8:23 AM
4394713	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/23/16 12:30 PM
8919028	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/28/16 11:11 AM
6770287	SCENARIO_01_A	HBCC-Domestic-Amazon - EUR	UC1A0CHDBR002	Scenario 1A- Child Account	LON	Deutsche Bank - Madrid	EUR	TargetModel	UC1A0HDBR002	Scenario 1A-Header Account	NCR	Wells Fargo - London	EUR	Child Balance is less than Target Amount	9/23/16 7:51 PM

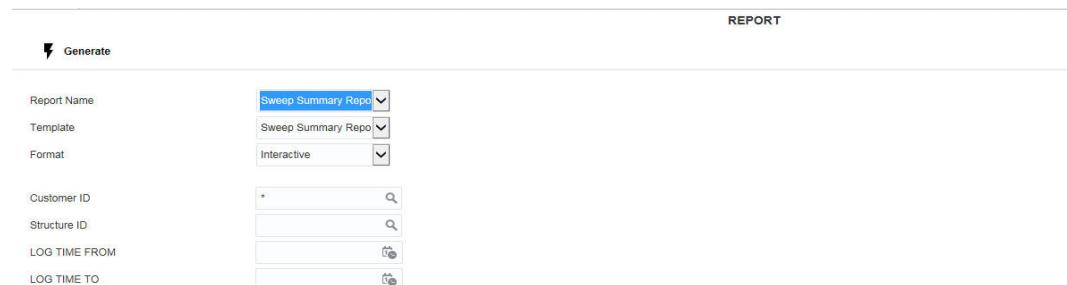
The table below describes the various columns in the report:

Column	Description
Sweep Log ID	Displays the sweep log ID of the rejected sweep
Structure ID	Displays the structure ID to which the rejected sweep belong to
Structure Description	Displays the description of the structure
Sweep Origin Account	
Account Number	Displays the account number from which the sweep was to occur
Account Description	Displays the description for account
Branch Code	Displays the branch code of the sweep origin account
Branch Name	Displays the branch name of the sweep origin account
Account Currency	Displays the currency set for the sweep origin
Sweep Concentration Method	Displays the sweep concentration method assigned to the pair
Sweep Destination Account	
Account Number	Displays the account number to which the sweep was occur
Account Description	Displays the description for sweep destination account

Column	Description
Branch Code	Displays the branch code of the sweep destination account
Branch Name	Displays the branch name of the sweep destination account
Account Currency	Displays the currency set for the sweep destination account
Other Parameters	
Sweep Reject Reason	Displays the reason for the sweep reject
Date and Time of Reject	Displays if the date and time at which the sweep reject occurred

13.2.3 Sweep Summary Report

This report provides the summary of sweeps done on a specified date\ specific period for a customer or a structure. It states the sweep reference number, sweep amount, the accounts involved, reference number and the value date. Invoke the Report screen and select the report name as Sweep Summary Report.



The screenshot shows the configuration interface for the Sweep Summary Report. It includes the following fields:

- Report Name: Sweep Summary Repo
- Template: Sweep Summary Repo
- Format: Interactive
- Customer ID: Search field
- Structure ID: Search field
- LOG TIME FROM: Date input field
- LOG TIME TO: Date input field

At the top right, there is a 'REPORT' link and a 'Generate' button.

Specify the following additional details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Log Time From

Specify the start time from which to generate the report.

Log Time To

Specify the end time till which to generate the report.

Click **Generate**. The report will be generated as below:

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Sweep Summary Report

Sweep Log ID	Structure ID	Structure Description	Sweep Origin Account Details						Sweep Destination Account Details										
			Account Number	Account Description	Branch Code	Branch Name	Sweep Concentration Method	Balance Before Sweep	Balance After Sweep	Account Currency	Account Number	Account Description	Branch Code	Branch Name	Account Currency	Value Date of Sweep	Date & Time Of Sweep	Two Way Sweeping	Reverse Sweep
1146745	SCENARIO_01	CrossBorder-Interbranch-Pair	UC000EUR011	Scenario 1 DM Account	IRL	Wells Fargo - Ireland	Zero Balance Hold	2000	0 EUR	UC000GBP004	Scenario 2 Header Account	LDN	Wells Fargo - London	GBP	2016-09-27T00:00:00Z	2016-09-27T00:00:00Z+00:00	Y	Y	Everyday at 5 pm
1146745	SCENARIO_01	CrossBorder-Interbranch-Pair	UC000EUR011	Scenario 1 DM Account	IRL	Wells Fargo - Ireland	Zero Balance Hold	2000	0 EUR	UC000GBP004	Scenario 2 Header Account	LDN	Wells Fargo - London	GBP	2016-09-27T00:00:00Z	2016-09-27T00:00:00Z+00:00	Y	Y	Everyday at 5 pm
1146745	SCENARIO_01	CrossBorder-Interbranch-Pair	UC000EUR011	Scenario 2 DM Account	IRL	Wells Fargo - Ireland	Zero Balance Hold	2000	0 EUR	UC000GBP004	Scenario 3 Header Account	LDN	Wells Fargo - London	GBP	2016-09-27T00:00:00Z	2016-09-27T00:00:00Z+00:00	Y	Y	Everyday at 5 pm
1146745	SCENARIO_01	CrossBorder-Interbranch-Pair	UC000EUR011	Scenario 2 DM Account	IRL	Wells Fargo - Ireland	Zero Balance Hold	2000	0 EUR	UC000GBP004	Scenario 3 Header Account	LDN	Wells Fargo - London	GBP	2016-09-27T00:00:00Z	2016-09-27T00:00:00Z+00:00	Y	Y	Everyday at 5 pm
1146745	SCENARIO_01	CrossBorder-Interbranch-Pair	UC000EUR011	Scenario 3 DM Account	IRL	Wells Fargo - Ireland	Zero Balance Hold	2000	0 EUR	UC000GBP004	Scenario 2 Header Account	LDN	Wells Fargo - London	GBP	2016-09-27T00:00:00Z	2016-09-27T00:00:00Z+00:00	Y	Y	Everyday at 5 pm

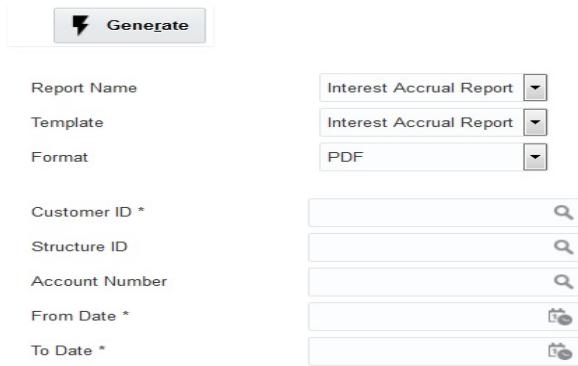
The table below describes the various columns in the report:

Column	Description
Sweep Log ID	Displays the sweep log ID
Structure ID	Displays the structure ID
Structure Description	Displays the description of the structure
Sweep Concentration Method	Displays the sweep concentration method assigned to the pair
Customer ID	Displays the Customer ID
Customer Ext Ref	Displays the Customer External Reference
Sweep Origin Account	
Account Number	Displays the account number from which the sweep should happen
Account Description	Displays the description for account
Ext Account-Number	Displays the External Account Number
Branch Code	Displays the branch code of the sweep origin account
Branch Name	Displays the branch name of the sweep origin account

Column	Description
BranchExt Ref	Displays the Branch External Reference
Sweep Amount	Displays the Sweep Amount
Account Currency	Displays the currency set for the sweep origin
Sweep Destination Account	
Account Number	Displays the account number to which the sweep should happen
Account Description	Displays the description for sweep destination account
Ext Account Number	Displays the External Account Number
Branch Code	Displays the branch code of the sweep destination account
Branch Name	Displays the branch name of the sweep destination account
Branch Ext Ref	Displays the Branch External Reference
Account Currency	Displays the currency set for the sweep destination account
Other Parameters	
Sweep Direction	Displays the Sweep Direction
Reverse Sweep	Displays the Reverse Sweep
Sweep Mode	Displays the Sweep Mode of Execution
Value Date of Sweep	Displays the date of the sweep
Date and Time of Sweep	Displays if the date and time at which the sweep occurred
Balance Time Stamp	Displays the Balance as of Time Stamp
FX Rate	Displays the FX Rate

13.2.4 Interest Accrual Report

This report provides the interest accrued on the account till date. You can view the Daily/Range report. Invoke the Report screen and select the report name as Interest Accrual Report.



Report Name: Interest Accrual Report
Template: Interest Accrual Report
Format: PDF

Customer ID *:

Structure ID:

Account Number:

From Date *:

To Date *:

Specify the following additional details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Account Number

Specify the Account Number related to Structure ID and Customer ID.

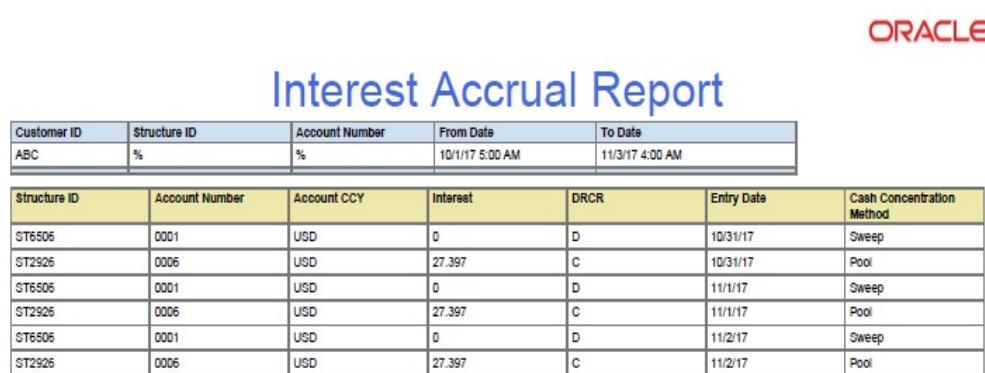
Date From

Specify the start date from which to generate the report.

Date To

Specify the end date till which to generate the report.

Click **Generate**. The report will be generated as below:



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Interest Accrual Report

Customer ID	Structure ID	Account Number	From Date	To Date
ABC	%	%	10/1/17 5:00 AM	11/3/17 4:00 AM

Structure ID	Account Number	Account CCY	Interest	DRCR	Entry Date	Cash Concentration Method
ST6506	0001	USD	0	D	10/31/17	Sweep
ST2926	0006	USD	27.397	C	10/31/17	Pool
ST6506	0001	USD	0	D	11/1/17	Sweep
ST2926	0006	USD	27.397	C	11/1/17	Pool
ST6506	0001	USD	0	D	11/2/17	Sweep
ST2926	0006	USD	27.397	C	11/2/17	Pool

The table below describes the various columns in the report:

Column	Description
Customer ID	Display the Customer ID
Structure ID	Display the Structure ID
Account Number	Display the Account Number
From Date	Display the From Date
To Date	Display To Date
Report Details	
Structure ID	Display the Structure ID
Account Number	Display the Account Number
Account CCY	Display the Account CCY
Interest	Display the Interest
DRCR	Display the DRCR
Entry Date	Display the Entry Date
Cash Concentration Method	Display the Cash Concentration Method

13.2.5 Interest Re-allocation Report

This report provides details for interest reallocation for specific to Customer and Structure ID. You can view it as Daily report and Range report. Invoke the Report screen and select the report name as 'Interest Re-allocation Report'.

⚡
Generate

Report Name	<input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text" value="Interest Reallocation Re"/> <div style="border: 1px solid #ccc; width: 100%; height: 15px; background-color: #f0f0f0; margin-top: 5px;"></div>
Template	<input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text" value="Interest Reallocation Re"/> <div style="border: 1px solid #ccc; width: 100%; height: 15px; background-color: #f0f0f0; margin-top: 5px;"></div>
Format	<input style="width: 100%; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text" value="PDF"/> <div style="border: 1px solid #ccc; width: 100%; height: 15px; background-color: #f0f0f0; margin-top: 5px;"></div>
Customer ID *	<input style="width: 150px; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text"/>
Structure ID	<input style="width: 150px; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text"/>
Structure Type	<input style="width: 100px; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text"/> <div style="border: 1px solid #ccc; width: 100px; height: 15px; background-color: #f0f0f0; margin-top: 5px;"></div>
From Date *	<input style="width: 150px; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text"/>
To Date *	<input style="width: 150px; height: 25px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 0.8em; margin-bottom: 5px;" type="text"/>

Specify the following details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Structure Type

Specify the Structure Type for selected Structure ID. Structure Type drop-down list will display 'All / Sweep / Pool / Hybrid'.

From Date

Specify the start date from which to generate the report.

To Date

Specify the end date till which to generate the report

Click **Generate**. The report will be generated as below

ORACLE®

Interest Reallocation Report

Customer ID	Structure ID	Structure Type	From Date	To Date					
ABC	%	All	10/1/17 5:00 AM	11/3/17 4:00 AM					
Header Account Number	Header Account Branch	Header Account Currency	Total Interest Amount Paid	Interest Amount Currency	Interest Payment Date				
0006	000	USD	82.191	USD	11/3/17 4:00 AM				
			82.191						
Re-allocation Parent Account Number	Parent Account Branch	Parent Account Currency	Child Account Number	Child Account Branch	Relocated Amount CCY	Exchange Rate	Interest Amount Reallocated	Execution Date	Reallocation Type
00018	000	USD	00012	000	USD	1	10.27425	11/2/17 2:04 PM	Even Distribution
0005	000	USD	00015	000	USD	1	20.5485	11/2/17 2:04 PM	Even Distribution
0006	000	USD	0008	000	USD	1.00004	41.097	11/2/17 2:04 PM	Even Distribution
00019	000	USD	00023	000	USD	1	6.8495	11/2/17 2:04 PM	Even Distribution
0008	000	USD	00018	000	USD	1	20.5485	11/2/17 2:04 PM	Even Distribution
0006	000	USD	0005	000	USD	1	41.097	11/2/17 2:04 PM	Fair Share Distribution
00019	000	USD	00025	000	USD	1	6.8495	11/2/17 2:04 PM	Even Distribution
00019	000	USD	00013	000	USD	1	6.8495	11/2/17 2:04 PM	Even Distribution
0008	000	USD	00019	000	USD	1	20.5485	11/2/17 2:04 PM	Even Distribution
0006	000	USD	0009	000	USD	1.00004	41.097	11/2/17 2:04 PM	Even Distribution
00018	000	USD	00017	000	USD	1	10.27425	11/2/17 2:04 PM	Even Distribution
0005	000	USD	00016	000	USD	1	20.5485	11/2/17 2:04 PM	Even Distribution

Column	Description
Customer ID	Display the Customer ID
Structure ID	Display the Structure ID
Structure Type	Display the Structure Type
From Date	Display the From Date
To Date	Display the To Date
Header details	
Header Account Number	Display the Header Account Number
Header Account Branch	Display the Header Account Branch
Header Account Currency	Display the Header Account Currency

Total Interest Amount Paid	Display the Total Interest Amount Paid
Interest Amount Currency	Display the Interest Amount Currency
Interest Payment Date	Display the Interest Payment Date
Report details	
Re-allocation Parent	Display the Re-allocation Parent
Account Number	Display the Account Number
Parent Account	Display the Parent Account
Branch	Display the Branch
Parent Account	Display the Parent Account
Currency	Display the Currency
Child Account	Display the Child Account
Number	Display the Number
Child Account	Display the Child Account
Branch	Display the Branch
Rellocated	Display the Rellocated
Amount CCY	Display the Amount CCY
Exchange	Display the Exchange
Rate	Display the Rate
Interest Amount	Display the Interest Amount
Reallocated	Display the Reallocated
Execution Date Reallocation Type	Display the Execution Date Reallocation Type

13.2.6 Interest Paid Report

This report provides details for interest paid for specific to Customer and Structure ID. You can view it as Daily report and Range report. Invoke the Report screen and select the report name as 'Interest paid Report'.

 **Generate**

Report Name	<input style="width: 100%; border: 1px solid #ccc; height: 25px;" type="text" value="Interest Paid Report"/>
Template	<input style="width: 100%; border: 1px solid #ccc; height: 25px;" type="text" value="Interest Paid Report"/>
Format	<input style="width: 100%; border: 1px solid #ccc; height: 25px;" type="text" value="PDF"/>
Customer ID *	<input style="width: 150px; height: 30px; border: 1px solid #ccc;" type="text"/> 
Structure ID	<input style="width: 150px; height: 30px; border: 1px solid #ccc;" type="text"/> 
From Date *	<input style="width: 150px; height: 30px; border: 1px solid #ccc;" type="text"/> 
To Date *	<input style="width: 150px; height: 30px; border: 1px solid #ccc;" type="text"/> 

Specify the following details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Structure Type

Specify the Structure Type for selected Structure ID. Structure Type drop-down list will display 'All / Sweep / Pool / Hybrid'.

From Date

Specify the start date from which to generate the report.

To Date

Specify the end date till which to generate the report

ORACLE®

Interest Paid Report

Customer ID	Structure ID	From Date	To Date
ABC	%	10/1/17 5:00 AM	11/9/17 5:00 AM

Account Number	Account Currency	Account Branch	Structure ID	Product	Re-Allocation Type	Residual Balance Interest Type	Interest Amount for Residual Balances	Interest Liquidation Date	Re-allocated Interest Type	Re-allocated Interest Amount	Interest Re-allocation date
00012	USD	000	ST2926	Sweep	Even Distribution				Cr	10,274.25	11/3/17 4:00 AM
00013	USD	000	ST2926	Sweep	Even Distribution				Cr	6,849.5	11/3/17 4:00 AM
00015	USD	000	ST2926	Sweep	Even Distribution				Cr	20,548.5	11/3/17 4:00 AM
00016	USD	000	ST2926	Sweep	Even Distribution				Cr	20,548.5	11/3/17 4:00 AM
00017	USD	000	ST2926	Sweep	Even Distribution				Cr	10,274.25	11/3/17 4:00 AM
00018	USD	000	ST2926	Sweep	Even Distribution				Cr	20,548.5	11/3/17 4:00 AM
00019	USD	000	ST2926	Sweep	Even Distribution				Cr	20,548.5	11/3/17 4:00 AM
00023	USD	000	ST2926	Sweep	Even Distribution				Cr	6,849.5	11/3/17 4:00 AM
00025	USD	000	ST2926	Sweep	Even Distribution				Cr	6,849.5	11/3/17 4:00 AM
0005	USD	000	ST2926	Sweep	Fair Share Distribution				Cr	41,097	11/3/17 4:00 AM
0008	USD	000	ST2926	Pool	Even Distribution				Cr	41,097	11/3/17 4:00 AM
0009	USD	000	ST2926	Pool	Even Distribution				Cr	41,097	11/3/17 4:00 AM

Column	Description
Customer ID	Display the Customer ID
Structure ID	Display the Structure ID
From Date	Display the From Date
To Date	Display the To Date
Report details	
Account Number	Display the Account Number
Account Currency	Display the Account Currency
Account Branch	Display the Account Branch
Structure ID	Display the Structure ID

Product	Display the Product
Re-Allocation Type	Display the Re-Allocation Type
Residual Balance Interest Type	Display the Residual Balance Interest Type
Interest Amount for Residual Balances	Display the Interest Amount for Residual Balances
Interest Liquidation Date	Display the Interest Liquidation Date
Re-allocated Interest Type	Display the Re-allocated Interest Type
Re-allocated Interest Amount	Display the Re-allocated Interest Amount
Interest Re-allocation date	Display the Interest Re-allocation date

13.2.7 Exception Report

This report provides details for Exception for specific to Customer and Structure ID. You can view it as Daily report and Range report. Invoke the Report screen and select the report name as 'Exception Report'.

The screenshot shows a configuration interface for generating a report. At the top is a 'Generate' button. Below it are several input fields and dropdowns:

- Report Name:** A dropdown menu set to 'Exception Report'.
- Template:** A dropdown menu set to 'Exception Report'.
- Format:** A dropdown menu set to 'PDF'.
- Customer ID ***: A search field with a magnifying glass icon.
- Structure ID**: A search field with a magnifying glass icon.
- Structure Type**: A dropdown menu.
- From Date ***: A date input field with a calendar icon.
- To Date ***: A date input field with a calendar icon.

Specify the following details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Structure ID

Specify the structure ID for which the report is to be generated. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.

Structure Type

Specify the Structure Type for selected Structure ID. Structure Type drop-down list will display 'All / Sweep / Pool / Hybrid'.

From Date

Specify the start date from which to generate the report.

To Date

Specify the end date till which to generate the report

Exception Report

Customer ID	Structure ID	Structure Type	From Date	To Date
TEST_CUST	ST6485	All	10/1/17 5:00 AM	11/4/17 4:00 AM

Transaction Date	Value Date	Transaction Ref No	User ID	Structure ID	Source Account	Source Account Branch	Destination Account	Destination Account Branch	Exception
11/2/17	11/2/17	65	System	ST6485	LB16	LBB	LB13	LBB	Balance for Account LB13 not available for Structure ST6485
11/2/17	11/2/17	65	System	ST6485	LB16	LBB	LB13	LBB	Balance for Account LB16 not available for Structure ST6485
11/2/17	11/2/17	55	System	ST6485	LB16	LBB	LB13	LBB	Balance for Account LB13 not available for Structure ST6485
11/2/17	11/2/17	55	System	ST6485	LB16	LBB	LB13	LBB	Balance for Account LB16 not available for Structure ST6485

Column	Description
Customer ID	Display the Customer ID
Structure ID	Display the Structure ID
Structure Type	Display the Structure Type
From Date	Display the From Date
To Date	Display the To Date
Report details	
Transaction Date	Display the Transaction Date
Value Date Transaction	Display the Value Date Transaction
Ref No	Display the Ref No
User ID	Display the User ID
Structure ID	Display the Structure ID
Source Account	Display the Source Account
Source Account Branch	Display the Source Account Branch
Destination Account	Display the Destination Account
Destination Account Branch	Display the Destination Account Branch
Exception	Display the Exception

13.2.8 QC Interface Report

This report provides details for Quality Control Interface for specific to Customer ID. You can view it as Daily report and Range report. Invoke the Report screen and select the report name as 'QC Interface Report'.

<input type="button" value="Generate"/>	
Report Name	<input type="text" value="QC Interface Report"/>
Template	<input type="text" value="QC Interface Report"/>
Format	<input type="text" value="PDF"/>
Customer ID *	<input type="text"/>
Interface Type	<input type="text"/>
From Date *	<input type="text"/>
To Date *	<input type="text"/>

Specify the following details:

Customer ID

Specify the customer ID for which the report is to be generated. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system.

Interface Type

Specify the Interface Type for which the report is to be generated. You can select the Interface Type from the option list. The list displays all the Interface Type maintained in the system.

Structure Type

Specify the Structure Type for selected Structure ID. Structure Type drop-down list will display 'All / Sweep / Pool / Hybrid'.

From Date

Specify the start date from which to generate the report.

To Date

Specify the end date till which to generate the report

QC Interface Report

Customer ID	Interface	From Date	To Date
DRAGON	FCUBS	10/1/17 5:00 AM	11/4/17 4:00 AM

Date & Time	Interface	Interface Action	Direction	Status	Structure's Effected	Exception	Root Cause of Exception
10/12/17 9:18 AM	FCUBS	Balance Fetch	OUT	Success	ST4450		
10/12/17 9:19 AM	FCUBS	Balance Fetch	OUT	Error	ST4450	Balance not available	Account ref does not exist in DDA

Column	Description
Customer ID	Display the Customer ID
Interface Type	Display the Interface Type
From Date	Display the From Date
To Date	Display the To Date
Report details	
Date & Time	Display the Date & Time
Interface	Display the Interface
Interface Action	Display the Interface Action
Direction	Display the Direction
Status	Display the Status
Structure's Effected	Display the Structure's Effected
Exception	Display the Exception
Root Cause of Exception	Display the Root Cause of Exception

14. Security Management

14.1 Introduction

Controlled access to the system is a basic parameter that determines the robustness of the security in banking software. In Oracle Banking Liquidity Management, we have employed a multi-pronged approach to ensure that this parameter is in place.

Only Authorized Users Access the System

First, only authorized users can access the system with the help of a unique User ID and a password. Secondly, a user should have access rights to execute a function.

User Profiles

The user profile of a user contains the User ID, the password and the functions to which the user has access.

Restricted Number of Unsuccessful Attempts

You can define the maximum number of unsuccessful attempts after which a User ID should be disabled. When a User ID has been disabled, the Administrator should enable it. The password of a user can be made applicable only for a fixed period.

Restricted Access to Branches

You can indicate the branches from where a user can operate in the Restricted Access screen.

All Activities Tracked

Extensive log is kept of all the activities on the system. You can generate reports on the usage of the system anytime. These reports give details of unsuccessful attempts at accessing the system along with the nature of these attempts. It could be an invalid password attempt, the last login time of a user etc.

Audit Trail

Whenever a record is saved in the module, the ID of the user who saved the record is displayed in the 'Input By' field at the bottom of the screen. The date and time at which the record is saved is displayed in the Date/Time field.

A record that you have entered should be authorized by a user, bearing a different login ID, before the EOD is run. Once the record is authorized, the ID of the user who authorized the record will be displayed in the 'Authorized By' field. The date and time at which the record was authorized is displayed in the 'Date/Time' field positioned next to the 'Authorized By' field.

The number of modifications that have happened to the record is stored in the field 'Modification Number'. The Status of the record whether it is Open or Closed is also recorded in the 'Open' check box.

This chapter contains the following sections:

- [Section 14.2, "User Creation Setup"](#)
- [Section 14.3, "Role Maintenance Setup"](#)
- [Section 14.4, "User Maintenance"](#)
- [Section 14.5, "Password Policy Setup"](#)
- [Section 14.6, "Customer User Linkage"](#)

14.2 User Creation Setup

You can create a user with this option. To invoke the user creation setup page, click on **SMS** tab on the LM application and select **User Creation** link.

The screenshot shows a user creation interface. At the top, there are two buttons: '+ New' and 'Get Details'. Below these, there is a section for 'User Identification *' which includes fields for 'Name *', 'Password *', and 'Email'. To the right of these fields is a search bar with a magnifying glass icon. Below the identification fields is a 'User Status' section containing four radio buttons: 'Enabled' (selected), 'Locked', 'Hold', and 'Disabled'.

Click **New** button to create a new user. You can specify the following details here:

User Identification

Specify a unique User ID, which identifies the user.

Name

Specify a description for the user.

Password

Specify a unique password for the user. This password should adhere to the Password Policy Maintenance

Email

Specify email address of the user

User Status

Indicate the user status. The options are:

- Enabled
- Locked
- Hold
- Disabled

Click Save to save the user and password in the database

14.3 Role Maintenance Setup

You can create roles using this option. To invoke the Role Maintenance setup page, click on **SMS** tab on the LM application and select **Role Creation** link.



Click **New** button to create a new role. You can specify the following details here:

Role ID

Specify a unique ID for the new role.

Role Description

Specify a description of the role.

14.3.1 Maintaining the Role Details

You can assign the rights to the new role using this option. Click '+' button to add row under Role Details section. Specify the following details here:

Function ID

Select the function for which the rights are to be set from the drop down menu.

New

Check this box to give rights to create a new entity.

View

Check this box to give rights to view the details of the selected feature of LM.

Delete

Check this box to give rights to delete an existing entity.

Update

Check this box to give rights to modify or update an existing entity.

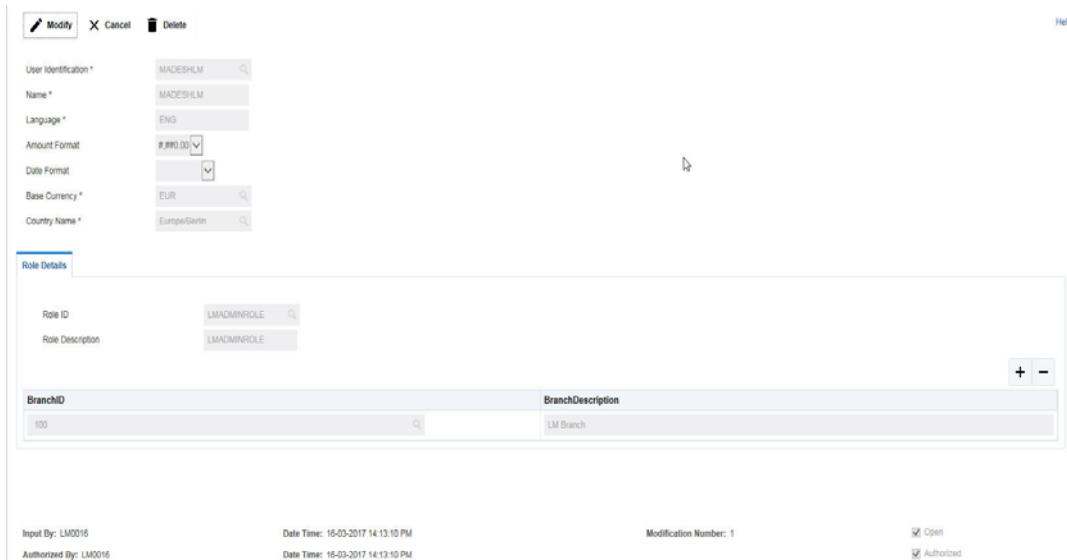
Click **Save** button to save the details in the system.

Note

LMADMINROLE is a factory shipped role and is the master role having access to all the functionalities.

14.4 User Maintenance

You can map the roles to users using this option. To invoke the Role Maintenance setup page, click on **SMS** tab on the ORACLE BANKING LIQUIDITY MANAGEMENT application and select User Maintenance link



BranchID	BranchDescription
100	LM Branch

Click **New** button to set the user for role mapping. You can specify the following details here:

User Identification

Specify the user ID for which the role mapping is to be done. You can select the user ID from the option list. The list displays all the user IDs maintained in the system

Name

The system displays the name of the user selected.

Language

The system displays the language of the selected user. You can modify this if required.

Amount Format

Select the amount format for the user from the drop down list. The options are:

- #,##0.00 - Amount rounded to two decimal points only
- #.00## - Amount displayed to more than two decimal points

Date Format

Select the date format for the user from the drop down list. The options are:

- dd:MM:yyyy
- dd.MM.yyyy
- dd-MM-yyyy
- MM/dd/yyyy

- MM:dd:yyyy
- MM.dd:yyyy
- MM-dd-yyyy
- yyyy/MM/dd
- yyyy-MM-dd
- yyyy:MM:dd
- yyyy.MM.dd

Start Date

Specify the start date from which the role mapping is active.

End Date

Specify the end date till which the role mapping is active.

Base Currency

Specify the base currency of the user. You can select the currency from the option list. The list displays all the currencies maintained in the system.

All the dashboard values for the user will be displayed in the base currency selected.

Country Name

Specify the country of the user. You can select the country from the option list. The list displays all the countries maintained in the system

14.4.1 Maintaining Role Details

You can map the role to the selected user and select the branches for which this mapping is active using this option. You can indicate the branches from where the user can operate. You can specify the following details here:

Role ID

Specify the role ID to be mapped to the user. You can select the role ID from the option list. The list displays all the role IDs maintained in the system

Role Description

The system displays the description of the selected role.

Click ‘+’ button to add row under Role Details section. Specify the following details here:

Branch ID

Specify the branch ID in which the role mapping will be enabled. You can select the branch ID from the option list. The list displays all the branch IDs maintained in the system

Branch Description

The system displays the description for the selected branch ID.

Click **Save** button to save the details in the system.

14.5 Password Policy Setup

You can set the password policy for your system using this option. To invoke the Password Policy setup page, click on **SMS** tab on the LM application and select **Password Policy** link.

The screenshot shows a configuration interface for password policy. At the top left is a 'Modify' button. Below it, the 'Bank Level Parameters' section includes a 'Site Code' field set to '000'. The 'Parameters' section contains several input fields: 'Password Repetitions' (Maximum Consecutive Repetitive Character, Minimum Number Of Special Character In Password, Minimum Number Of UpperCase Character In Password, all set to 1), 'Dormancy Days' (set to 0), 'Minimum Number Of Numeric Character In Password' (set to 0), and 'Minimum Number Of LowerCase Character In Password' (set to 1). The 'Password Length(Character)' section includes 'Maximum' (set to 12) and 'Minimum' (set to 5) fields. The 'Invalid Logins' section includes 'Cumulative' (set to 99) and 'Successive' (set to 5) fields. A cursor is visible over the 'Dormancy Days' field.

Click **Modify** button to set the password policy for the system. You can specify the following details here:

Bank Level Parameters

Site Code

Specify the site code for which the password policy is to be set.

Parameters

Password Repetitions

Specify the number of times after which a password can be repeated.

Dormancy Days

Specify the number of days the password can be dormant after which the password would be disabled.

Maximum Consecutive Repetitive Character

Specify the number of times a character can be repeated consecutively in a password.

Minimum Number of Numeric Character in Password

Specify the minimum number of numerics which should be included in the password.

Minimum Number of Special Character in Password

Specify the minimum number of special characters which should be included in the password.

Minimum Number of Lower Case Character in Password

Specify the minimum number of lower case characters which should be included in the password.

Minimum Number of Upper Case Character in Password

Specify the minimum number of upper case characters which should be included in the password.

Password Length

Maximum

Specify the maximum length of the password allowed.

Minimum

Specify the minimum length of the password allowed.

Invalid Logins

Cumulative

Specify the number of cumulative logins after which the user should be disabled.

Successive

Specify the number of successive invalid logins after which the user should be disabled.

Click **Save** button to save the details in the system.

14.6 Customer User Linkage

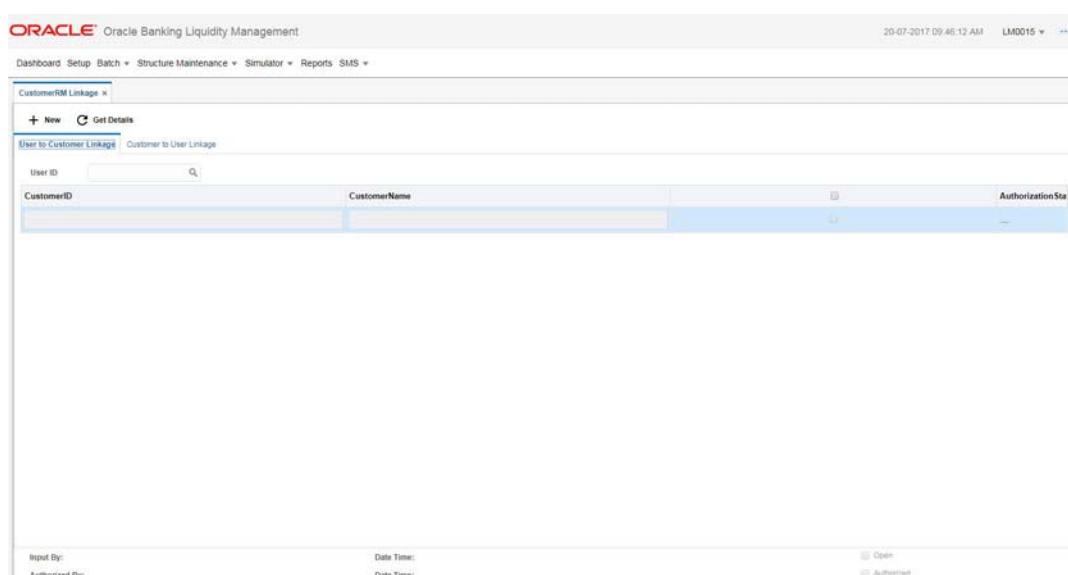
You can establish one-to-many relationship in this i.e. we can link single user to many customers and vice versa. To invoke the RM-Linkage page, click on **SMS** tab on the LM application and select **Customer RM-Linkage** link which is further have two tabs:-

This section contains the following topics:

- [Section 14.6.1, "User to Customer Linkage"](#)
- [Section 14.6.2, "Customer to User Linkage"](#)

14.6.1 User to Customer Linkage

To link one users to one or many customers.



Click **New** button to link users to customers. You can specify the following details here:

User ID

Specify a unique User ID, which identifies the user.

Customer ID

Specify the customer ID, which identifies the customer.

Customer Name

Specify a description for the customer.

Authorization

It will authenticate the records once verified by the authorizer.

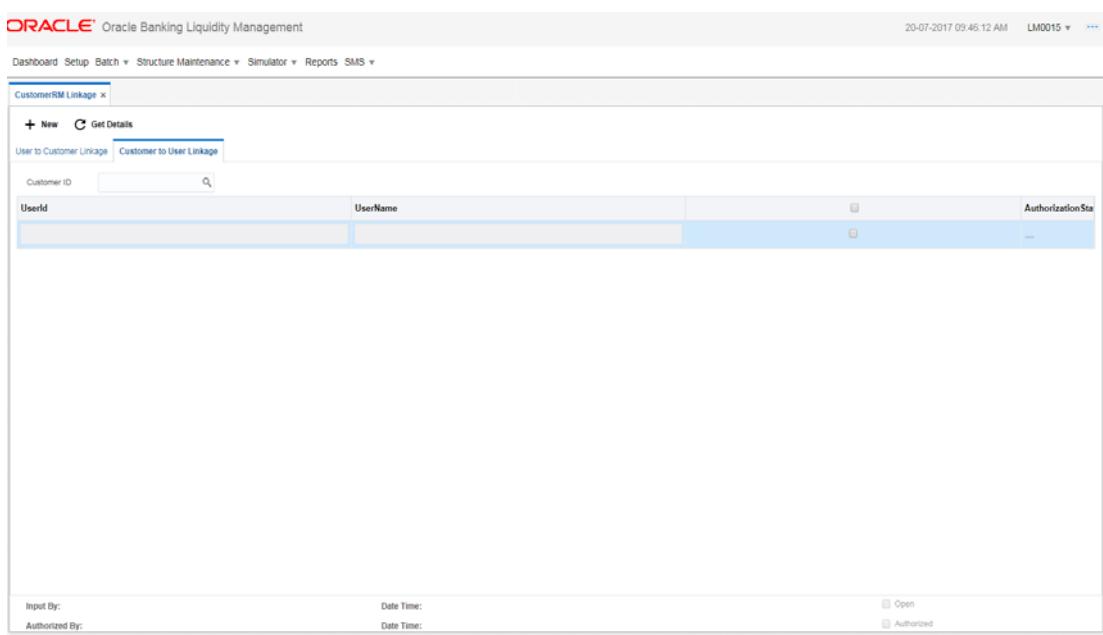
Check box

Link customers to users.

Click **Save** to save the user and customer linkage in the database.

14.6.2 Customer to User Linkage

To link one customers to one or many users.



Click **New** button to link customers to users. You can specify the following details here:

User ID

Specify a unique User ID, which identifies the user.

Customer ID

Specify the customer ID, which identifies the customer.

User Name

Specify a description for the user and customer.

Authorization

It will authenticate the records once verified by the authorizer.

Check box

Link users to customers.

Click Save to save the user and customer linkage in the database.