

Oracle® Banking Corporate Lending

OBCL - FCUBS/ELCM/Payments Integration

User Guide



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

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D External Source Maintenances

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Preface

This topic contains the following sub-topics:

- [Introduction](#)
- [Audience](#)
- [Conventions](#)
- [Symbols, Definitions and Abbreviations](#)
- [List Of Topics](#)
- [Related Documents](#)

Introduction

This document is designed to help acquaint you with the integration among Oracle FLEXCUBE products namely; Oracle FLEXCUBE Universal Banking Solutions and Oracle Banking Corporate Lending, Oracle Banking Enterprise Limits Management, and Oracle Banking Payments.

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field. This help describes the purpose of each field within a screen. You can obtain this information by placing the cursor on the relevant field and pressing the <F1> key on the keyboard.

Audience

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

Table 1 Audience

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface
Back office Managers/Officers	Authorization functions
End of day operators	Processing during end of day/ beginning of day
Implementation Partners	Provide customization, configuration and implementation services

Conventions

The following text conventions are used in this document:





Table 2 Conventions and Meaning

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

Symbols, Definitions and Abbreviations

The following are some of the Symbols you are likely to find in the manual:

Table 3 Symbols

Icons	Functions
	Exit
	Add row
	Delete row
	Option list

The following are some of abbreviations you are likely to find in the manual:

Table 4 Abbreviations

Abbreviation	Description
AC	Accounting
CASA	Current and Savings Account

Table 4 (Cont.) Abbreviations

Abbreviation	Description
DDA System	System that holds the CASA account and balances
EAC	External Account Check
ECA	External Credit Approval
ELCM	Enterprise Limits and Collateral Management
EOD	End Of Day
FCUBS	Oracle FLEXCUBE Universal Banking
FCY	Foreign Currency Amount
GL	General Ledger
ISB GL	Inter System Bridge GL
JNDI	Java Naming and Directory Interface
LCY	Local Currency Amount
LS	Loan Syndication
OBCL	Oracle Banking Corporate Lending
OL	Oracle Lending
ROFC	Rest of Oracle FLEXCUBE
System	Unless and otherwise specified, it shall always refer to Oracle FLEXCUBE Universal Banking Solutions system
SWIFT	Society for Worldwide Interbank Financial Telecommunication
XML	Extensible Markup Language

List Of Topics

This manual is organized into the following topics.

Table 5 List Of Topics

Topics	Description and Cross References
Preface	Preface gives information on the intended audience. It also lists the various topics covered in this User Manual.

Table 5 (Cont.) List Of Topics

Topics	Description and Cross References
OBCL Integration	<p>Oracle OBCL Integration explains the integration between Oracle Banking Corporate Lending, Oracle FLEXCUBE Universal Banking, Oracle Banking Enterprise Limits Management, and Oracle Banking Payments systems.</p> <p>The topics which are part of FCUBS Trade - OBCL Integration are:</p> <ol style="list-style-type: none"> 1. Common Core Maintenances 2. Oracle Lending and Loan Syndication module integration with CASA 3. Integration Process of OL and LS module CASA 4. Integration with FCUBS for 360 Degree Customer View 5. OBCL Integration with Payments for SWIFT messages 6. OBCL - ELCM Integration 7. Common Integration Details Summary screen 8. OBCL Integration with FCUBS for EAC
Annexure	Annexure provides the details of data exchange and further reference sources.
Glossary	Function ID Glossary has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

Related Documents

Along with this user manual, you may also refer to the following related sources:

- *Gateway web service documents*

1

OBCL Integration

This topic contains following sub-topics:

- [Common Core Maintenances](#)
- [Oracle Lending and Loan Syndication module integration with CASA](#)
- [Integration Process of OL and LS module CASA](#)
- [Integration with FCUBS for 360 Degree Customer View](#)
- [OBCL Integration with Payments for SWIFT messages](#)
- [OBCL - ELCM Integration](#)
- [Common Integration Details Summary screen](#)
- [OBCL Integration with FCUBS for EAC](#)

1.1 Common Core Maintenances

The following are the common core maintenance that is to be completed for FCUBS, Payments, and ELCM systems integration.

- [Configuring Accounting System for Host Code](#)
- [Integration Parameters Maintenance - IFDINPRM](#)
- [Integration Parameters Maintenance - OLDINPRM](#)

1.1.1 Configuring Accounting System for Host Code

You can configure the accounting system using host code in the **Host Parameter** screen. Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **PIDHSTMT** and click next arrow.

The **Host Parameter** screen is displayed.

 **Note:**

The fields which are marked in asterisk red are mandatory fields.

Figure 1-1 Host Parameter

2. You can enter below details in this screen. For information on fields, refer to the field description table.

Table 1-1 Host Parameter

Field	Description
Host Code	Specify the host code.
Host Description	Specify the brief description for the host.
Accounting System Code	Specify the accounting system code.
Payment System	Specify the payment system.
ELCM System	Specify the ELCM system.
OBCL Integration System	Specify the external system. For example, OLINTSYS

1.1.2 Integration Parameters Maintenance - IFDINPRM

Maintain the integration parameters for **External LOV** and **ELCM/Payment/OL Utilization**. This maintenance is done for all branches. This maintenance is done through **Integration Parameters Maintenance** screen.

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **IFDINPRM** and click next arrow.

The **Integration Parameters Maintenance** screen is displayed.

 **Note:**

The fields which are marked in asterisk red are mandatory fields.

Figure 1-2 Integration Parameter Maintenance screen for Payments

Figure 1-3 Integration Parameter Maintenance screen for ELCM

Figure 1-4 Integration Parameter Maintenance screen for OBCL


2. You can specify below details in this screen. For information on fields, refer to the field description table.

Table 1-2 Integration parameter maintenance screen

Field	Description
Branch Code	Select the branch code for which the parameters are to be maintained from the adjoining option list.
Description	A brief description of the branch code is displayed.
External System	Select the external system for which the parameters are to be maintained, from the adjoining option list.
Description	A brief description of the external system is displayed.
Offset Transaction Code	Select a transaction code for the offset entry from the adjoining option list. The adjoining option list displays all valid transaction codes available in the system. You can select the appropriate one.
Offset Amount Tag	Select an amount tag for the offset entry from the adjoining option list. The adjoining option list displays all valid amount tag available in the system. You can select the appropriate one.
Amount Block Validation	Select this check box to validate the amount block. If the amount block reference number is sent with the transaction details then the accounting is invoked after the release of amount block.
Offset Required	Select this check box if an offset entry is required. If this check box is selected, then ISB GL is resolved based on branch, currency, function id and external system. If the check box is not selected, then it is expected that external system sends the balanced entry.
Offset Netting Required	Select this check box if offset netting entry is required. If this check box is selected, then the consolidated entries are built. Offset amount tag is picked from the maintenances. If this check box is not selected, then individual entries are built.
Allow Force Post	Select this check box to suppress all the overrides after posting transactions.

3. You need to maintain the integration parameters for the following:
 - **External Lov** – ExtLovService
 - **ELCM Utilization/Payments/OBCL** – ELUtilizationService/ PMSinglePaymentService/ FCUBSCAService

Table 1-3 Integration parameter maintenance

Field	Description
External Lov	<ul style="list-style-type: none"> • External System - External system name is specified here. For example, OLELCM, INTBANKING for Payments, and OLINTSYS for OBCL. • Service Name - The service name for which the maintenance is done. For example, ELUtilizationService for ELCM, ExtLovService for External LovExtLovService, and PMSinglePaymentService for Payments, and FCUBSCAService for OBCL. • Communication Channel – The communication channel like REST, CUSTOM, WEB SERVICE, and so on are specified here. • Communication Mode - The communication mode can be SYNC/ASYN. <div style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note: Rest Service need not be maintained for OBCL.</p> </div> <ul style="list-style-type: none"> • Rest Service IP - You have to maintain the IP address. For example, ELCM IP, Payment IP. • Rest Service Port - You have to maintain port details. For example, ELCM Port, Payment Port. • Rest Service Pattern - You have to maintain rest service pattern. For example, LovService. • Rest Service Context - You have to maintain rest service context. For example, FCJNeoWeb. • External User - ELCM/Payment/OBCL user should have access to all branches and autoauth.
ELCM Utilization/ Payments/OBCL	<ul style="list-style-type: none"> • External System - External system name is specified here. For example, OLELCM. • Service Name – The service name for which the maintenance is done. For example, ELUtilizationService for ELCM, ExtLovService for External LovExtLovService and PMSinglePaymentService for Payments. • Communication Channel – The communication channel like REST, CUSTOM, WEB SERVICE, and so on are specified here. • Communication Mode – The communication mode can be SYNC/ASYN. • WS Service Name – The service name needs to be maintained here. For example, ELUtilizationService, PMSinglePaymentService, and FCUBSCAService. • WS Endpoint URL – The WSDL of the services are maintained here. For example, ELCM utilization/Payment/CA service WSDL link • WS User – ELCM/Payment user should have access to all branches and autoauth. • External User - ELCM/Payment/OBCL user should have access to all branches and autoauth.


1.1.3 Integration Parameters Maintenance - OLDINPRM

To capture details of integration parameters maintenance screen

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLDINPRM** and click next arrow.

The **Integration Parameters Maintenance** screen is displayed.

 **Note:**

The fields which are marked in asterisk red are mandatory fields.

Figure 1-5 Integration Parameters Maintenance

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

Table 1-4 Integration Parameters

Field	Description
Branch Code	Specify as ALL in case the integration parameters are common for all branches. Or Maintain for individual branches.
External System	Specify external system as INTBANKING .
External User	Specify the User ID to be passed on the External System.
Service name	Specify service name.
Communication Channel	Specify the communication channel as Web Service .
Communication Mode	Specify the communication mode as ASYNC .
Communication Layer	Specify the communication layer as Application .
WS Service Name	Specify the web service name.

Table 1-4 (Cont.) Integration Parameters

Field	Description
WS Endpoint URL	Specify the WSDL of the services.
User ID	Maintain the user with access to all branches and auto authorize facility. For non-English language responses, user with the required language to be maintained.
Language Code	Specify the language of the user, the interface will communicate with the external system and get the response in this language.

 **Note:**

Ensure you maintain an active record with all required fields and **Service Name** as **PMSinglePaymentService** in **Integration Parameters Maintenance** screen.

1.2 Oracle Lending and Loan Syndication module integration with CASA

The integration of OL and LS module with CASA enables banks to do the following:

- Auto Liquidation
- Manual Liquidation
- Auto Rollover
- Manual Rollover

This topic contains following sub-topics:

- [Integration Scope with FCUBS Co-deployed with OL and LS module](#)
- [Integration Scope without FCUBS Co-deployed with OL and LS module](#)
- [ECA handling scenarios for Corporate Loan Liquidation](#)
- [Prerequisites in Oracle Lending and Loan Syndication](#)

1.2.1 Integration Scope with FCUBS Co-deployed with OL and LS module

If FCUBS is co-deployed with OL and LS module, then web service call is used to check the available balance.

1.2.2 Integration Scope without FCUBS Co-deployed with OL and LS module

The following are the integration activities that take place in Oracle Corporate Lending.

- [ECA Request for Auto Liquidation](#)

- [ECA Handling during Auto Rollover](#)
- [ECA Handling for Manual liquidation](#)
- [ECA Handling for Manual Rollover](#)
- [Account Interface and Handoff](#)
- [Force debit Components](#)
- [Forward Liquidation](#)

1.2.2.1 ECA Request for Auto Liquidation

- As part of loans batch process, amount due for liquidation for a contract must be sent to the DDA system for approval (ECA_CHECK_REQD parameter maintained in cstb_param table and verify funds flag at contract level). Only after receiving an approval from the DDA system, the system proceeds with liquidation of the schedule.
- OL and LS module should send a consolidate request to the ECA one for each contract. As the settlement account is configured for each component in Corporate Lending, multiple settlement accounts for a contract is possible. OL and LS module for a due date should group the total amount due from each account and generate one ECA request for a contract and due date.
- The due amount when sent as part of ECA request should be in account currency.
- As part of the ECA request, OL and LS module should send the following additional preferences configured at a contract / product level.
 - Partial Liquidation Allowed (PARTIAL_BLOCK_REQUIRED): If the flag is set as **N**, then ECA system should send a fail approval in case the total amount requested is not available in the account.
- In case of multiple schedules that are due from the customer as part of Auto Liquidation, OL and LS system should place a ECA request for the earliest schedule due from the customer. Only when the schedule is completely settled and processed in OL system, request for next schedule should be placed.
- First process in OL and LS batch computes the amount due for a schedule as part of Auto Liquidation and place the request into ECA table with the current status as **Unprocessed**. A Java program constantly polls the table for any unprocessed records and transform the records into an ECA request XML and place the same into a IN queue of the external system configured.
- Upon receipt of any response from the DDA system in the OUT queue of OL and LS module, the response would be parsed by the JAVA program and update the status response status (Approved/Rejected) in OLTB_ECA_REQ_MASTER and OLTB_ECA_REQ_DETAIL table.
- When ECA block is successfully created on the accounts (Partial / Full), liquidation happens in OL and LS module and perform OL and LS accounting with handoff status as **N**.
- ECA request for auto liquidation should not be created when future dated payment is requested for the same contract. ECA request for auto liquidation should not be created from OL and LS module where GL is chosen as settlement account. For example, for a contract having Principal and Interest as components and GL is chosen as a settlement account then no ECA request should be created by OL and LS module. However, if GL is chosen only for Interest and for Principal a valid

customer account is chosen as settlement account, then ECA request should be created only for Principal component.

- When Auto Liquidation process is run for more than one day as part of EOD processing (due to holiday settings), then Auto liquidation for the schedules that are due for a day can be processed only after Auto liquidation is processed successfully for the preceding day.
- In a situation where ECA block is successful, but subsequent processing in OL and LS module fails auto retry mechanism should be available in OL and LS module.

1.2.2.2 ECA Handling during Auto Rollover

For contract marked for Auto Rollover, after EOD process of Auto Liquidation, a new sub-process **AROLL** is introduced to process Auto Rollover on processing date.

1.2.2.3 ECA Handling for Manual liquidation

- After you capture the necessary payment details and click **Save**, OL and LS module should place an ECA request for the amount requested for the payment.
- There should be an additional field in the payment screen to display the ECA process status. This should display the status of the ECA request.
- When the ECA request is approved by the DDA system, it needs to be manually authorized. Hence, manual payment is deleted for unauthorized contract, an undo ECA should be sent to the DDA system.
- OL and LS module should process the payment request and update the cashflow tables and post liquidation entries as part of back ground process and payment status is in unauthorized state.
- Authorisation of payment is possible only after the liquidation process is completed and entries are posted.
- Similarly OL and LS module should generate reversal entries upon reversal of loan payment. In case where actual accounting to DDA system is not generated post ECA approval, OL and LS module should generate both actual entries for liquidation with block number and its reversal.

Actions	System Response
After logging payment in ECA queue for approval, if you try to delete the payment before getting the response, then the status is W.	The system should undo ECA if it gets approved response (Reconciliation mechanism).
After getting ECA response as Approved , if you try to delete the payment	The system should undo ECA with the approved block number.

1.2.2.4 ECA Handling for Manual Rollover

After you initiate the rollover (Normal/Consol/Split) through application, OL module should place an ELCM request (if any limits are linked to the contract) for the amount to be debited from customer.

After success response from the ELCM system, the system allows you to authorize the rollover. In case where actual accounting to DDA system is not happened post ECA approval, OL and LS module should generate both actual entries for roll event with block number to release from DDA system.

1.2.2.5 Account Interface and Handoff

- For CASA, where debit happened excluding force debit components, have the block number in the daily log table.
- As part of accounting interface OL and LS module should hold two handoff status, one to indicate whether the customer account related entries handoff to DDA system and another to indicate GL entries handoff to GL system.
- External Account Check (EAC) is done wherever the credit happens to CASA account to avoid failure in external system side (Check for No credit, No debit, Frozen, Deceased).
- Java poller constantly polls the daily log table and pick the records which are authorized and handoff yet to be done. It then generates the accounting request with necessary details and put in IN queue. After getting successful response from external system, handoff status is changed. If anything failed while giving external handoff, external system throws a proper exception code and same has been logged in OL and LS side.

Requests	Description
Debit request + <ECAREFNO>	ECA Block is released
Debit request	Amount is debited from withdrawable balance

- Credit and Debit advice should be generated only after the feedback from the DDA system after posting entries to the customer account.
- OL and LS module should be capable to handoff the entries online by generating XML request as well as handoff entries through batch process at regular intervals during the day.

1.2.2.6 Force debit Components

Tax, Fee and charge which are associated with liquidation/rollover event is debited from the account without ECA.

1.2.2.7 Forward Liquidation

- As part of loans batch process, amount requested (From payment screen) for liquidation of a contract must be sent to the DDA system for approval (ECA_CHECK_REQD parameter maintained at cstb_param, Branch Param, and CASA level table and verify funds flag at contract level). Only after receiving an approval from the DDA system, the system proceeds with liquidation of the schedule.
- First process in OL and LS batch(for Fwd liquidation) ,would compute the requested amount for a contract and place the request into ECA table with the current status as **Unprocessed**. A Java program would constantly poll the table for any unprocessed records and transform the records into an ECA request XML and place the same into a IN queue of the external system configured.
- Upon receipt of any response from the DDA system in the OUT queue of OL and LS module, the response would be parsed by the JAVA program and update the status response status (Approved/Rejected) in OLTB_ECA_REQ_MASTER and OLTB_ECA_REQ_DETAIL table.

- When ECA block is successfully created on the accounts (Full), liquidation happens in OL module and perform OL accounting with handoff status as **No**.
- ECA request for liquidation should not be created from OL and LS module where GL is chosen as settlement account. For example, for a contract having **Principal** and **Interest** as components and GL is chosen as a settlement account then no ECA request should be created by OL and LS module. However, if GL is chosen only for Interest and for Principal a valid customer account is chosen as settlement account, then ECA request should be created only for Principal component.
- In a situation where ECA block is successful, but subsequent processing in OL and LS module fails auto retry mechanism should be available in OL and LS module.

1.2.3 ECA handling scenarios for Corporate Loan Liquidation

Single CASA Account with Full liquidation

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

Different CASA Account with Full Liquidation

In this case OL and LS module generates a single ECA request that contain details amount due from two accounts.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA2	10000

GL Account used for Liquidation

In this case request is not sent to ECA system, however it is marked as approved by OL and LS module in ECA tables and it proceeds with liquidation processing.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	GL1	50000
Interest	10000	GL2	10000

One CASA and GL Account used for Liquidation

In this ECA request is sent only for CASA account and the GL it is marked as approved automatically. Liquidation processing happens irrespective of whether the ECA request is successful for the CASA account.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	GL1	10000

Single CASA Account with Partial Liquidation

In this case, the system proceeds with allocating the approved amount based on liquidation order specified at the product level.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

Manual Liquidation with Single CASA or Multiple CASA Account

In this case ECA request is sent with Partial allowed as **N**, hence the request is marked as failure if the full amount requested is not available.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

1.2.4 Prerequisites in Oracle Lending and Loan Syndication

The prerequisites for this integration are as follows.

Parameter Setup

- If HANDOFF_TYPE value is **SYNC** in CSTB_PARAM table, then the balance check is performed using API or dynamic call.
- If HANDOFF_TYPE value is **ASync** in CSTB_PARAM table, then the consolidated amount to be requested is logged in ECA tables. Further processing, is performed by job.
- ECA_CHECK_REQD should be **YES** in CSTB_PARAM table for standalone system.
 - Static INC to support ECA Block and Unblock in OLTM_SERVICE_PARAMS and OLTM_SERVICE_REQ_FORMAT tables for SERVICE_CODE - CreateEca and DeleteEca, EXT_SERVICE_NAME - FCUBSCAService, EXT_OPERATION_CODE - CreateEcabl and CloseEcabl respectively.
 - Integration maintenance for FCUBSCAService Service in OLDINPRM for the new External Credit Approval System.

Maintenances

Complete the following maintenances in Oracle Banking Corporate Lending to enable the integration.

Queue Name	Purpose
ECA_REQ_OUT	Request to external system
ECA_RES_IN	Response from external system

Table Name	Purpose
COTB_ECA_QUEUE	ECA request details
COTB_ECA_QUEUE_DETAIL	ECA request components details

 **Note:**

Note The following data in OL and LS module must be in sync with those maintained in external system.

- Branch
- Contract Reference Number
- Account number
- Currency
- Dr/Cr

1.3 Integration Process of OL and LS module CASA

This topic contains following sub-topics:

- [Viewing ECA Queue Summary Details](#)
- [Viewing External Accounting Log](#)

1.3.1 Viewing ECA Queue Summary Details

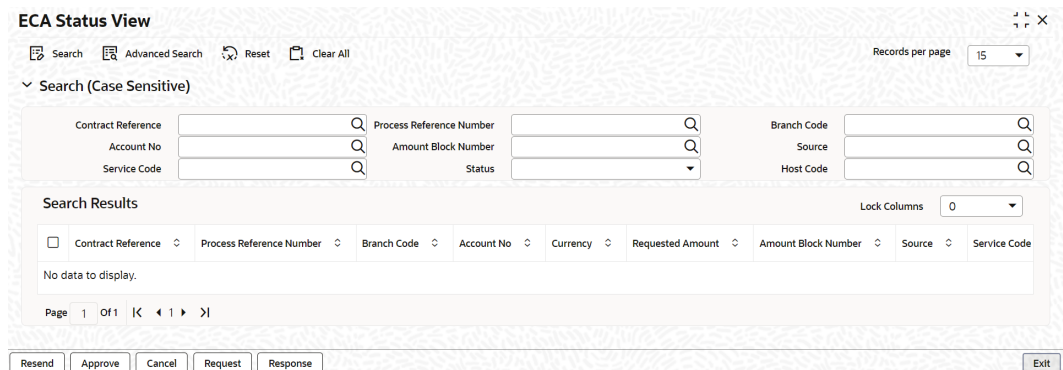
ECA Queue Summary screen contains details on the transactions between OL/LS and external system.

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **PISECAQU** and click next arrow.

The **ECA Status View** screen is displayed.

Figure 1-6 ECA Status View



ECA Status View

Search Advanced Search Reset Clear All Records per page 15

Search (Case Sensitive)

Contract Reference [] Q Process Reference Number [] Q Branch Code [] Q
 Account No [] Q Amount Block Number [] Q Source [] Q
 Service Code [] Q Status [] Host Code [] Q

Search Results Lock Columns 0

Contract Reference ◊ Process Reference Number ◊ Branch Code ◊ Account No ◊ Currency ◊ Requested Amount ◊ Amount Block Number ◊ Source ◊ Service Code

No data to display.

Page 1 Of 1 |< |> |>>

Resend Approve Cancel Request Response Exit

2. In this screen, you can search records based on the following parameters:

- **Transaction Reference No**
- **Network code**
- **ECA Amount**
- **Customer No**
- **Requested Date**
- **Authorization Status**
- **Cross Border Contract Reference Number**
- **Activation Date**
- **File Reference Number**
- **Payment Transaction Type**
- **ECA Currency**
- **Current Status**
- **Response Date**
- **Maker Id**
- **Payment Type**
- **Customer Service Model**
- **Queue Reference No**
- **Transaction Branch**
- **Module**
- **Response Status**
- **ECA System Code**
- **Checker Id**
- **Source Code**

Click **Search** button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

1.3.2 Viewing External Accounting Log

External Accounting Log screen contains OL/LS transaction details with External Accounting System linkage.

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLSEACLG** and click next arrow.

The **External Accounting Log** screen is displayed.

Figure 1-7 External Accounting Log

2. In this screen, you can view the request sent from OL and LS module and view the response (received for the request sent) from the External Accounting System.
3. You can search records based on the following parameters:
 - **External Reference Number**
 - **Branch**
 - **External Accounting System**
 - **Operation Code**
 - **Process Status**
 - **Message Reference Number**

Click **Search** button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

1.4 Integration with FCUBS for 360 Degree Customer View

Using 360 Degree Customer View, you can query customer limits, account statements, view settlement balances contracts, view assets and liability balances, view loans, commitments and syndication contract details of the customer. You can also view summary of loans, commitments and syndication contract details of the customer. The 360 degree customer view facilitates easy and total view of the customer details and reduces customer service complexities.

FCUBS pulls the required data from OBCL by using the below operation code.

- Service Name : FCUBSOLService
- New Operation : QueryCorpCustview

This topic contains following sub-topics:

- [Summary Tab](#)
- [Loans Tab](#)
- [Component Details Button](#)

1.4.1 Summary Tab

Specify the **User ID** and **Password**, and login to Homepage.

From the Homepage, navigate to **360 Degree Corporate Customer View** screen.

1. From the **360 Degree Corporate Customer View** screen, click **Summary** tab. The **Summary** tab is displayed.

Figure 1-8 Summary

360 Degree Retail Customer View

Enter Query

Customer Number * 000004852

Short Name CIF302941949425

Branch 000

Credit Rating

Frozen

Declassified Whereabouts Unknown

Joint Accounts

KYC Status Yet To Verify

Since

Full Name CIF302941949427

Reporting Currency GBP

Reports

Summary Profile Accounts Summary Limits Loans Events Schemes Alerts Is-Deposits Is-Financing External Products Investor Fund Data

Prefix

Address For Correspondence

Name CIF302941949422

Address 1 Line 1 Unit 2

Address 2 Line 3 Unit 2

Address 3 Line 2 Unit 2

Address 4 Line 4 Unit 2

Pin Code

Telephone

Fax

Email

Status

CIF Status

Customer Category INDIVIDUAL

Charge Group

Tax Group

Balance Sheet Asset And Liabilities

Asset	Currency	Value	Liability	Currency	Value
<input checked="" type="checkbox"/> Current Account Overdrawn	GBP	0.00	Savings Accounts	GBP	0.00
<input type="checkbox"/> Loans	GBP	19,803.84	Current Accounts	GBP	0.00
<input type="checkbox"/> Mortgages	GBP	0.00	Term Deposits	GBP	19,803.84
					281.00

Page 1 of 1 (1-11 of 11 Items) |< 1 >|

Off Balance Sheet Asset And Liabilities

Asset	Currency	Value	Liability	Currency	Value
<input checked="" type="checkbox"/> Non Utilized Limit	GBP	0.00	Letters of Credit	GBP	0.00
<input type="checkbox"/> Commitment	GBP	0.00	Guarantees	GBP	0.00
<input type="checkbox"/> Forward Buy Contracts	GBP	0.00	Islamic Letters of Credit	GBP	0.00
<input type="checkbox"/> Forward Sale	---	---		---	---

Exit

2. The **Summary** tab displays the OBCL loan contracts of the selected customers along with the details.

1.4.2 Loans Tab

You can view the details for OBCL contracts in **Loan details/Commitment and Syndicate Loan Details** block for the selected customer.

Specify the **User ID** and **Password**, and login to Homepage.

From the Homepage, navigate to **360 Degree Corporate Customer View** screen.

1. From the **360 Degree Corporate Customer View** screen, click **Loans** tab. The **Loans** tab is displayed.

Figure 1-9 Loans

The screenshot displays the '360 Degree Retail Customer View' interface. At the top, there is a search bar and a navigation menu with tabs for Summary, Profile, Accounts Summary, Limits, Loans (selected), Events, Schemes, Alerts, Is-Deposits, Is-Financing, External Products, and Investor Fund Data. The main content area is divided into several sections:

- Customer Information:** Includes fields for Customer Number (000004852), Short Name (CIF302941949425), Branch (000), Credit Rating, and KYC Status (Yet To Verify). There are also fields for 'Since', Full Name (CIF302941949427), and Reporting Currency (GBP). A 'Reports' button is located below these fields.
- Summary of Loans:** A table showing various loan types and their amounts:

Total Commitment Amount	0.00
Total Ordinary Loan	19,803.84
Total Mortgage Amount	0.00
Total Syndicated Loan	0.00
Total Leasing Amount	0.00
- Loan Details:** A table with columns: Details, Branch Code, Product Code, Account Number, Description, Amount Financed, Amount Disbursed, Outstanding Amount, and Book Date. One row is visible:

Details	Branch Code	Product Code	Account Number	Description	Amount Financed	Amount Disbursed	Outstanding Amount	Book Date
<input checked="" type="checkbox"/>	000	LRT3	000LRT300000052	Education Loans	32,750.00	0.00	0.00	03/30/
- Commitment Details:** A table with the same columns as Loan Details, but it displays 'No data to display.' Below this table is a pagination control showing 'Page 1 (0 of 0 items)'.

2. The loans details are classified as follows:

- **Commitment Details**
- **Loan Details**
- **Mortgage**
- **Leasing**
- **Syndicate Loans details**

Under each of the loan details, the system displays the following:

- **Branch Code**
- **Account Number**
- **Description**
- **Currency**
- **Amount Financed**
- **Amount Disbursed**
- **Outstanding Amount**
- **Book Date**
- **Value date**

- **Maturity Date**
- **Product Code**
- **Account Status**
- **User Defined Status**

1.4.3 Component Details Button

You can view details about the components linked to an account in the **Component Details** screen.

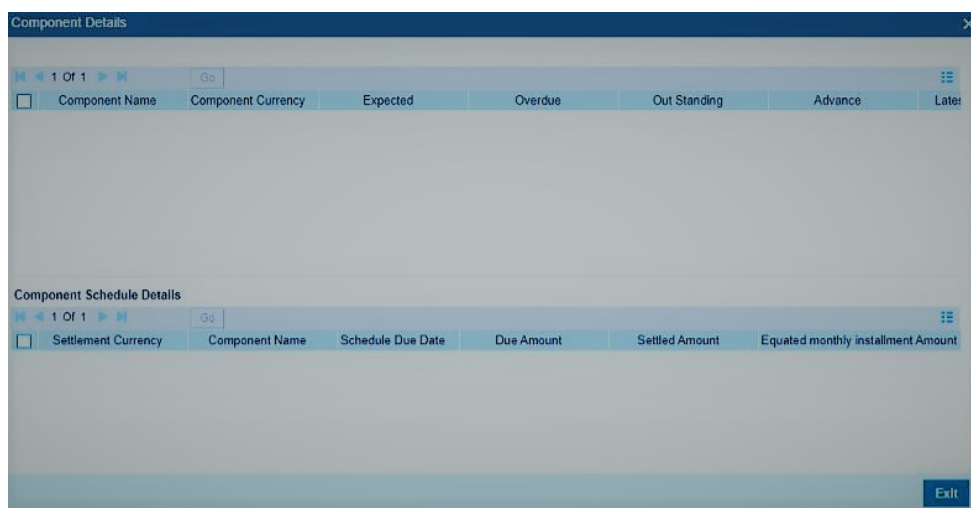
Specify the **User ID** and **Password**, and login to Homepage.

From the Homepage, navigate to **360 Degree Retail Customer View** screen.

1. From the **360 Degree Retail Customer View** screen, click **Component Details** tab.

The **Component Details** screen is displayed.

Figure 1-10 Component Details



2. You can view the following component details:

Table 1-5 Component Details

Field	Description
Component Name	The system displays the component name.
Component Currency	The system displays the component currency.
Expected	The system displays the amount which is not due for the present date. This amount is arrived during querying.
Overdue	The system displays the amount which is not overdue for the present date. This amount is arrived during querying.
Outstanding	The system displays the amount which is due for the present date. This amount is arrived during querying.
Advance	The system displays the amount pre paid for a component as on the present date. This amount is arrived during querying.

Table 1-5 (Cont.) Component Details

Field	Description
Latest Interest rate	The system display the current interest rate only for main interest component.
Number of Days Overdue	The system displays the number of overdue days.

Here you can view the following:

- **Component Name**
- **Schedule Due Date**
- **Due amount**
- **Settled Amount**
- **EMI Amount**
- **Accrued Amount**

1.5 OBCL Integration with Payments for SWIFT messages

The integration between Oracle Banking Corporate Lending and Oracle Banking Payments enables you to generate SWIFT messages (MT103 and MT202) for Corporate Lending through Payments module.

This topic contains following sub-topics:

- [Scope](#)
- [Integration Process of OBCL and Payments](#)

1.5.1 Scope

SWIFT payment message MT103 and MT202 are supported. If transfer type is **Customer Transfer**, then MT103 payment message is generated. If transfer type is Bank Transfer, then MT202 payment message is generated.

1.5.2 Integration Process of OBCL and Payments

For OL/LS with Payments integration, you need to perform the following:

- In **Branch Parameters Details** screen (OLDBRMNT), **Generate MT103** check box needs to be selected.
- In **Settlement Instructions Maintenance** (LBDINSTR), **Transfer By Pay** or **Transfer By Recv** needs to be selected as **BANK** or **CUSTOMER**. In case of **BANK**, MT202 SWIFT message is generated at Payments module. In case of **CUSTOMER**, MT103 SWIFT message is generated at Payments module.
- OBCL initiates web services call, that is, **PMSinglePaymentService** call for cross-border outgoing SWIFT transactions. These outgoing SWIFT transactions are processed by Payments module. The payment module generates MT103 and MT202/MT202Cover SWIFT messages.
- The system allows the cancellation request to be passed to OBPM when the loan contract is reversed from OBCL. The service **PMOutTxnReversalService** is called from

OBCL to pass the cancellation request and after the contract gets reversed in OBPM, the payment system sends the reversal handoff notification to OBCL to pass the actual reversal entries. Thus, the cancellation message (MTn92) from OBPM is supported. A new batch job is introduced that allows the payment message request to be passed to OBPM for the future dated loan contracts/Value Dated Amendments for any principal increase originated from OBCL considering the settlement generation days. Service **PMSinglePayOutService** is called from OBCL to pass the future dated request and after the transaction gets processed in OBPM, the payment system sends the payment message on SGEN date itself. Hence, generation of future dated Payment messages (MT103/MT202) from OBCL is supported.

In Loan Syndication, SWIFT messages are triggered based on the components like **PRINCIPAL, INT_LIQD, and FEE_LIQD**.

For Loans - Payments integration, beneficiary charges on payment is sent as part of **Single Payout Service** (SPS OUT) and also accounting entries are displayed that are handed off from OBPM in Contract Online Screen (Events > Accounting Entries tab).

This topic contains following sub-topics:

- [Processing of Outgoing SWIFT Messages](#)
- [Viewing Payment Integration Request/Response Messages](#)
- [Maintaining ISB GL](#)

1.5.2.1 Processing of Outgoing SWIFT Messages

Steps involved in processing of outgoing SWIFT messages:

- On save of the contract, the system checks if SWIFT messages are generated and **Inter System Bridge GL** (ISB GL) maintenance is available.
- Instead of posting accounting entries to settlement account, the system posts accounting entries to ISB GL.
- On authorization, the system populates SWIFT related details to staging table. Job runs on the table and pick these records. These details are sent to Payments module.
- Once the request is received, Payments module sends the response with confirmation.
- Payments module sends communication to OBCL for each of these actions.
- Using same service, Payments module sends SWIFT messages ACK/NACK accordingly. Once SWIFT message is received, OBCL populates the daily out message table.
- After OBPM hand off, the accounting entries are shown in **Accounting Entries** sub screen of **Contract and Commitment - Contract Input** screen (OLDTRONL) . The **Accounting System** field shows either **Loans** or **Payments**. The accounting entry passed after OBPM hand off is - debit inter bridge GL account and credit customer settlement account.
- You can view these messages in **Payment Outgoing Browser** screen.

1.5.2.2 Viewing Payment Integration Request/Response Messages

You can view Oracle Lending and Loan Syndication contracts with payment integration in **Payment Outgoing Browser** screen.
Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLSPMTBR** and click next arrow.
The **Payment Outgoing Browser** screen is displayed.

Figure 1-11 Payment Outgoing Browser

2. In this screen, you can view the request sent from Oracle Lending/Loan Syndication module and view the response (received for the request sent) from the Payments module.
3. You can search records based on the following parameters:
 - **Queue Reference Number**
 - **Sequence Number**
 - **Contract Reference**
 - **Process Status**
 - **Value Date**
 - **Event Code**

Click **Search** button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

 **Note:**

To search outgoing payment details, for LB side use DD Contract Reference Number and for LP side use Contract Reference Number.

1.5.2.3 Maintaining ISB GL

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLDISBGL** and click next arrow.
The **ISB GL Maintenance** screen is displayed.


 **Note:**
The fields which are marked in asterisk red are mandatory fields.

Figure 1-12 ISB GL Maintenance

2. You can specify the following field information in this screen. A brief description of each value updated in the fields appearing in this screen, is displayed by the system.

Table 1-6 ISB GL Maintenance

Field	Description
External System	Select the external system from the adjoining option list.
Module ID	Select a valid module code from the adjoining option list.
Transaction Currency	Select a valid currency code from the adjoining option list.
Transaction Branch	Select a valid transaction branch code from the adjoining option list.
Product Code	Select a valid product code from the adjoining option list.
Function ID	Select a valid Function ID from the adjoining option list.
ISB GL	Select a leaf General Ledger from the adjoining option list.

1.6 OBCL - ELCM Integration

The integration between OBCL and ELCM enables you to view the Oracle Lending and Loan Syndication contracts with ELCM linkage in a sync or async mode.

This topic contains following sub-topics:

- [Scope](#)
- [Prerequisites](#)
- [Integration Process of OL and ELCM](#)

1.6.1 Scope

If you are booking a Oracle Lending and Loan Syndication contracts with ELCM linkage in a sync or async mode, the OLTB_REQ_MASTER table is updated with records. You can view these records in the **External Limit Summary** screen.

1.6.2 Prerequisites

OLTB_REQ_MASTER table must have value.

1.6.3 Integration Process of OL and ELCM

Table 1-7 Integration Process of OL and ELCM

Process	Description
Forward Init	As part of loan batch process for contract marked for initiation on processing date, the system picks and processes the FWDINIT on processing date. After processing FWDINIT , the system sends a request to ELCM system (if any limits are linked to contract) for Utilization of contract amount. After success response from the ELCM system, the system authorizes the FWDINIT process. For failure response from ELCM system, the system roll backs the FWDINIT process (after roll back contract details are logged into exception table)
Forward VAMI	As part of loan batch process for contract marked for VAMI on processing date, the system picks and processes the FWDVAMI on processing date. After processing FWDVAMI , the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/ De-Utilization of contract amount. After success response from the ELCM system, the system authorizes the VAMI process. For failure response from ELCM system, the system roll backs the FWDVAMI process (after roll back contract details are logged into exception table)

Table 1-7 (Cont.) Integration Process of OL and ELCM

Process	Description
Auto Liquidation and Forward Liquidation	As part of loan batch process for contract marked for Liquidation on processing date, the system picks and processes the liquidation on processing date. After processing the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/De- Utilization of contract amount. After success response from the ELCM system, the system completes the liquidation process. For failure response from ELCM system, the system roll backs the liquidation process (after roll back contract details are logged into exception table).
ACCRUAL	As part of loan batch process for contract marked for ACCRUAL on processing date, the system picks and processes the ACCRUAL process on processing date. After processing accrual process, the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/De-Utilization of contract amount. After success response from the ELCM system, the system authorizes the accrual process. For failure response from ELCM system, the system roll backs the ACCRUAL process (after roll back contract details are logged into exception table).

This topic contains following sub-topics:

- [Viewing External Limit Summary Details](#)
- [Viewing Action Log of External Limit Queue](#)
- [Viewing Service Log Details](#)

1.6.3.1 Viewing External Limit Summary Details

External Limit Summary screen contains details of the Oracle Lending and Loan Syndication transactions with ELCM linkage. You can approve, resend, reject, and authorize the Oracle Lending and Loan Syndication transactions using this screen.

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLSEXLMT** and click next arrow.
The **External Limit Queue** screen is displayed.

Figure 1-13 External Limit Queue

2. In this screen, you can search records based on the following parameters:

- **Branch Code**
- **User Reference Number**
- **Message ID**
- **Process Sequence Number**
- **Process Status**
- **External Status**
- **Destination Source**
- **Request Type**
- **Communication Mode**
- **Forceprocess**
- **Service Code**
- **Logtime**
- **Authorization Status**
- **Maker ID**
- **Maker Date Stamp**
- **Checker ID**
- **Checker Date Stamp**

Click **Search** button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

1.6.3.2 Viewing Action Log of External Limit Queue

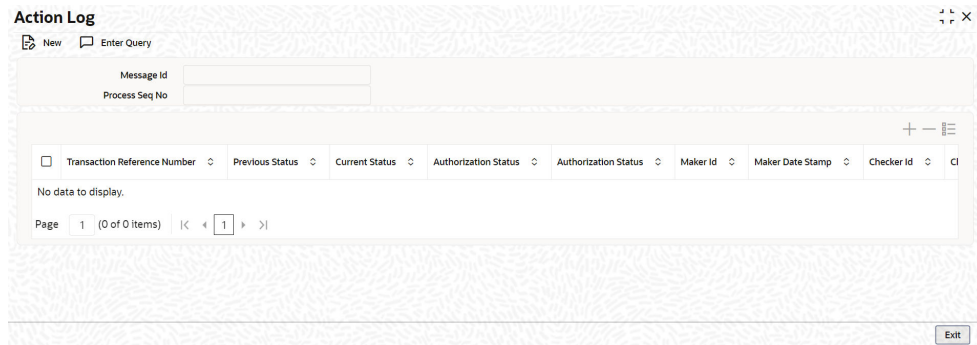
The **Action Log** screen displays the details of actions performed in the **External Limit Queue** screen.

Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLDQAHIS** and click next arrow.

The **Action Log** screen is displayed.

Figure 1-14 Action Log



2. This screen displays the action log of the following fields along with **Message Id** and **Process Sequence Number**.
 - **Transaction Reference Number**
 - **Previous Status**
 - **Current Status**
 - **Authorization Status**
 - **Logtime**
 - **Maker ID**
 - **Maker Date Stamp**
 - **Checker ID**
 - **Checker Date Stamp**

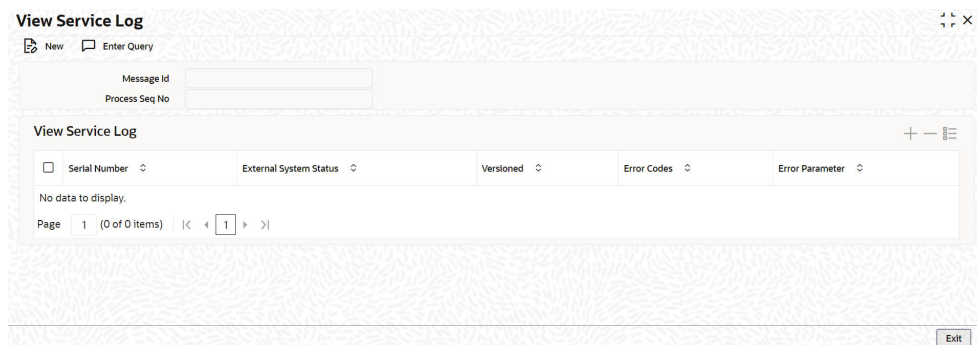
1.6.3.3 Viewing Service Log Details

You can view service log using **View Service Log** screen.

Specify the **User ID** and **Password**, and login to Homepage.

- On the homepage, type **OLDSRLOG** and click next arrow. The **View Service Log** screen is displayed.

Figure 1-15 View Service Log



1.7 Common Integration Details Summary screen

You can view the contract integration status of various modules (OL, LB, LP, FC, TL) of OBCL and also connect to integration screen of different product processors. Specify the **User ID** and **Password**, and login to Homepage.

1. On the homepage, type **OLSCNSTS** and click next arrow.
The **Common Interface Browser** screen is displayed.

Figure 1-16 Common Interface Browser

The screenshot shows the 'Common Interface Browser' application interface. At the top, there are navigation buttons: Save, Export, Refresh, Reset, Clear All, and Details. A search bar is present with the text 'Search (Case Sensitive)'. Below the search bar, there are input fields for 'Contract No' and 'Module Code'. The main area displays a table of search results with columns: Branch Code, Contract No, Module Code, ESN, Version Number, ELCM Status, Eca Status, Payment Handoff Status, and Accounting Handoff Status. The table contains four rows of data. At the bottom, there are tabs for 'ELCM Details', 'ECA Details', 'Accounting Details', 'Payment Details', and 'CD Details'. An 'Exit' button is located in the bottom right corner.

Branch Code	Contract No	Module Code	ESN	Version Number	ELCM Status	Eca Status	Payment Handoff Status	Accounting Handoff Status
011	011CM04151681330	OL	1	1	P	NA	NA	NA
011	011BL18151680418	OL	1	1	P	NA	NA	NA
011	011BTRR151681003	LB	1	1	P	NA	NA	NA
011	011BL16151681902	OL	1	1	P	NA	NA	NA

2. To view the details, query using any of the following fields.
 - **Branch Code**
 - **Contract Number**
 - **Module Code**
3. You can select the specific contracts and then click their respective product processor subsystem.

Table 1-8 Common Interface Browser Details

Details	Description
ELCM Details	External Limit Queue (OLSEXLMT)
ECA Details	ECA Status View (PISECAQU)
Accounting Details	External Accounting Entries Browser (OLSEACBR)
Payment Details	Payment Outgoing Browser (OLSPMTBR)
CD Details	Transaction Log (OLSIFCD)

After going to the integration screen, you can re-process and verify the logs of various contracts.

For more information on CD Details - Transaction Log (OLSIFCD), refer to *FCUBS Corporate Deposit -OBCL Integration User Guide*.

1.8 OBCL Integration with FCUBS for EAC

The integration between OBCL and UBS enables to handle the External Account Check (EAC) and customer status for the counterparty of the contract in synchronous mode.

- [Scope](#)
- [Prerequisites](#)
- [Integration Process of EAC and Customer Status](#)

1.8.1 Scope

The customer accounts are validated as part of EAC process during contract booking, VAMI, payment, rollover, and so on. The following are the list of operations supported.

Operation	Online/Batch	Customer Status	EAC Process
Contract Booking	Online	Yes	Yes
Contract Amendment	Online	Yes	Yes
Value Date Amendment	Online	Yes	Yes
Rollover	Online	Yes	Yes
Payment	Online	No	Yes
Manual Disbursement	Online	Yes	Yes
Linkage Amendment	Online	Yes	No
Fee Liquidation	Online	Yes	Yes
Split Reprice	Online	Yes	Yes
Consolidate Reprice	Online	Yes	Yes
Consolidate Rollover	Online	Yes	Yes
FWD INIT	Batch	Yes	Yes
FWD VAMI	Batch	Yes	Yes
Auto Disbursement	Batch	Yes	Yes
Auto Rollover	Batch	Yes	Yes
Auto LIQD	Batch	No	Yes

1.8.2 Prerequisites

1. For EAC, OBCL uses **CreateEACAccVal** service available in UBS. This service validates the customer and customer account provided in the request.
2. To validate the customer status of the counterparty, OBCL uses the **QueryCustomer** service in UBS and validate the frozen/deceased/where about unknown status.
3. A parameter **OBCL_EXTERNAL_ACC_CHK_REQ** is introduced in CSTB_PARAM table. By default this flag is set to **Y**. If this flag is enabled, then the system verifies EAC check and customer status during transaction online/batch.
4. Static INC to support EAC in OLTM_SERVICE_PARAMS and OLTM_SERVICE_REQ_FORMAT tables.
5. Integration maintenance for EAC in OLDINPRM.

1.8.3 Integration Process of EAC and Customer Status

EAC process

- This integration is to verify the settlement account and account CIF in a contract. This service validates the customer and customer account and returns success or fail.
- The synchronous call request is inserted into OLTB_REQ_MASTER with process status as **U**.
- New stage table contains the tag values required to build the request for each contract
 - OLTB_EAC_ACC_MASTER
 - OLTB_EAC_ACC_DETAIL
- The system validates account CIF or account based on few parameters (frozen/dormant/no debit/no credit, and so on) and an appropriate error message appears.

Customer Status

- This integration is to verify the frozen, deceased and where about unknown status for the counterparty and Borrower CIF of a contract.
- The synchronous call request is inserted into OLTB_REQ_MASTER with process status as **U**.
- New stage table contains the tag value required to build the request for each contract
 - OLTB_CUST_STATUS
- The system validates the counterparty and borrower based on few parameters (frozen/deceased/where about unknown/invalid customer) and an appropriate error message appears.

Inactive Customer Status

If a customer does not have any single contract active, then an update is sent to FCUBS using **QueryCustSts** service is consumed by OBCL to handoff the customer status (Active/Inactive) to FCUBS system.

- System sends an update if customer does not have any single contract active. Here customer in respective PPs considered as Inactive
- System sends an update if customer does have at least one contract active. Here customer in respective PPs considered as Active

Annexure

This topic contains following sub-topics:

- [Gateway Web Service](#)
- [Limitations](#)
- [SWIFT Messages Generated in Corporate Lending module](#)
- [External Source Maintenances](#)

A

Gateway Web Service

Enterprise Java Beans (EJB) deployment pattern is used for integration scenarios. For details about gateway web services, refer to the respective Gateway Webservice documents.

B

Limitations

The following are the limitations for ECA handling of Corporate Loan liquidation.

- Provision to pass minimum amount for auto liquidation is available in OL module, however, it is not supported in ECA request.
- Mapping and transformation of external overrides to OL module is not supported.

C

SWIFT Messages Generated in Corporate Lending module

MT103 (Customer Transfer) SWIFT message

```
{1:F01CITIUS33XXXX1111111111}
{2:I103NISIJPJTXXXXU1003}
{4:
:20:HELBLAD170913009
:23B:
:32A:170401EUR10000,
:33B:EUR10000,
:50K:CUST/FI/RABO BANK/CITIUS33XXX
1/BIODATA GMBH
2/HOCHSTRASSE, 27
3/FI/8022-ZURICH
:57D:NISIJPJTXXX
/ABC BANK
:59:/DE80500700100953425610
1/777NOCR/ADAM PAUL
2/HOOGSTRAAT 6, APT 6C
3/BE/BRUSSELS
:71A:SHA
:72:/INS/NISIJPJTXXX
/OBCL/DISBURSTMENT
-}
```

MT202 (Bank Transfer) SWIFT message

```
{1:F01CITIUS33XXXX1111111111}
{2:I202NISIJPJTXXXXU1003}
{4:
:20:HELBLAD170915002
:21:HELBLAD170915002
:32A:170401EUR10000,
:52A:CITIUS33XXX
:57D:NISIJPJTXXX
/ABC BANK
:58A:NISIJPJTXXX
:72:/INS/NISIJPJTXXX
/OBCL/CONFIRMATION
-}
```

MT103 with 202 COVER: Customer Transfer with Cover

```
MT103:
{1:F01PTSAINFFAXXX1111111111}
{2:I103PTSAINFFAXXXN2}
{3:{108:1725817349690000}{119:STP}}
{4:
:20:1725813349670000
:23B:CRED
:32A:170915EUR12000,
:33B:EUR12000,
```

```
:50F:/JIOFIE
RABO BANK
1/HOCHSTRASSE, 27
2/FI/8022-ZURICH
3/8022
:53A:SLSBGB53XXX
:57A:NISIJPJTXXX
:59:/DE80500700100953425610
1/12121212/ADAM PAUL
2/HOOGSTRAAT 6, APT 6C
3/BE/BRUSSELS
4/876001
:71A:SHA
:72:/INT/AIBKGB9XXXX
-}
```

```
MT 202 COVER:
{1:F01PTSAINFFAXXX1111111111}
{2:I202PTSAINFFXXXXN2}
{3:{119:COV}}
{4:
:20:1725817349750000
:21:1725813349670000
:32A:170915EUR12000,
:58A:AIBKGB9XXXX
:50F:/JIOFIE
RABO BANK
1/HOCHSTRASSE, 27
2/FI/8022-ZURICH
3/8022
:57A:NISIJPJTXXX
:59:/DE80500700100953425610
1/12121212/ADAM PAUL
2/HOOGSTRAAT 6, APT 6C
3/BE/BRUSSELS
4/876001
:72:/INT/AIBKGB9XXXX
:33B:EUR12000,
-}
```

D

External Source Maintenances

The following are the external source maintenance that needs to be completed for FCUBS, Payments, and ELCM systems integration.

External sources supported by Kernel

External System	System Code
Accounting System Code	OLINTSYS
Payment System	INTBANKING
ELCM System	OLELCM
OBCL Integration System	OLINTSYS

External system maintenance for OLINTSYS

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL
OLINTSYS	FCUBSCA-Service	CUSTOM	A	APP	FCUBSCA-Service	WSDL of FCUBSCA-Service
OLINTSYS	FCUBSCA-Service	CUSTOM	A	APP	FCUBSIF-Service	WSDL of FCUBSIF-Service

External system maintenance for INTBANKING

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL
INTBANKING	PMSingle-Payment-Service	Custom	S	APP	PMSingle-Payment-Service	WSDL of PMSingle-Payment-Service

External system maintenance for OLELCM

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WSService	WSEndpoint URL	REST IP	REST Port	REST Pattern	REST Context
OLELCM	ExtLov-LBTR-Service	REST	S	APP			REST Service IP Address	REST Service Port	Low-Service	FCJ-NeoWeb
OLELCM	ExtLov-LBDD-Service	REST	S	APP			REST Service IP Address	REST Service Port	Low-Service	FCJ-NeoWeb
OLELCM	ExtLov-Service	REST	S	APP			REST Service IP Address	REST Service Port	Low-Service	FCJ-NeoWeb
OLELCM	ELUtilization-Service	CUSTOM	S	APP	ELUtilization-Service	WSDL of ELUtilization-Service				

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