Release Notes
Oracle Financial Services Lending and Leasing
Release 14.11.0.0.0
May 2021
Part No. F40454-01

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ORACLE
Financial Services

1. Release Notes

1.1 Background / Environment

Oracle Financial Services Software Limited has developed Oracle Financial Services Lending and Leasing solution. The suite is a comprehensive, end-to-end solution that supports full lifecycle of direct and indirect consumer lending business with Origination, Servicing and Collections modules. This enables financial institutions to make faster lending decisions, provide better customer service and minimize delinquency rates through a single integrated platform. It addresses each of the lending processes from design through execution. Its robust architecture and use of leading-edge industry standard products ensure almost limitless scalability.

1.2 Purpose

The purpose of this Release notes is to highlight the enhancements and bug fixes included in the Oracle Financial Services Lending and Leasing Release.

1.3 Abbreviations

Abbreviation	Detailed Description
OFSLL	Oracle Financial Services Lending and Leasing
XML	Extensible Mark-up Language
XSD	XML Schema Definition
GL	General Ledger
XLF	Extended Log Format
JSF	Java Server Faces
EAR	Enterprise Application Archive
UI	User Interface
WSDL	Web Services Description Language
ACH	Automated Clearing House
MDB	Message Driven Bean
JMS	Java Messaging Service
IoT	Internet of Things

1.4 Product Summary

Oracle Financial Services Lending and Leasing Release built to meet various challenges faced by financial institutions. It addresses each of the lending processes from design through execution. Its unique value lies in its ability to provide the business with predefined processes and an excellent framework that takes care of business risk and compliance needs.

1.5 Release Highlights

The key highlight of this patch release is to fix the critical bugs and to enhance the industry specific requirements.

1.6 Revision History

Date	Name	Version	Change Reference
March 2023	OFSLL Team	1.1	Section 2.1 Pending Account Creation Included a note above 2.1.3 section indicated the non-supported accounts with Balance Type FCBC and FCBL.

ORACLE Financial Services

2. Enhancements

Enhancement	Description
Functional Enhancements	
Async Account Creation	OFSLL Account on-boarding service is enhanced to create Accounts Asynchronously. This features allows to create bulk accounts in single payload like for example 1000 device finance for a corporate.
Pending Account Creation	OFSLL Account on-boarding service and conversion process is enhanced to create Accounts in Pending Status. This gives ability to activate account later and is typically used in e-commerce scenario where an equipment Ship-to customer and received and accepted.
Upload/download of files per company.	OFSLL supports the upload / download of files filtered based on company selection.
Table Columns as Event Action Parameters	OFSLL supports to access table column values as Event Actions Parameters.
Scoring Parameters Enhancements	Selection criteria LOV properties are changed to allow ‘Varchar’ / static information. Example: Producer Grade as input/constant value.
Jet Enhancements	
Implementation of concurrency	Concurrency implemented in JET framework to support record EDIT sequencing; in case of edits by multiple users simultaneously.
App Shell Menu	Implemented App Shell Menu
JET Graddle File Segregation	JET Graddle file segregation based on the Module
JET service logging	JET Web Service Logging

Enhancement	Description
JET based Screens	Introduced following screens based on JET: • Introduced Customer Service Screen Header: Current, Associated Radio buttons, Group Follow up options • Customer Service → Maintenance screen • Customer Service → Call Activity • Account Details → Insurance Subtab • Account Details → Account Details • Customer Details and subtabs including Seller Details • Collateral and subtabs • Transaction History → Due Date • Transaction History → Repayment Schedule • Transaction History → Work Orders
Web Services Enhancements	
Incoming File Service Outgoing File Service	Added a non-mandatory field 'Company' LOV to the following existing web services Requests: • "Incoming File Service" • "Outgoing File List service".
Innovations	
Chat bot (Enhancements to existing facility)	Following New quick links added to menu: • Release Highlights • Title label customization for BOT interface • Customized theme based on time • Floating Chabot icon

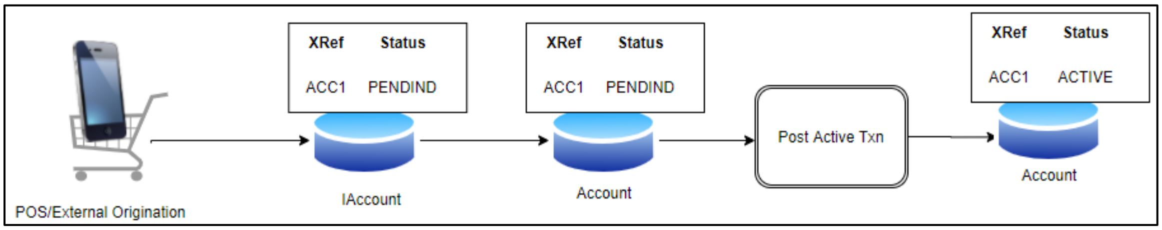
2.1 Pending Account Creation

2.1.1 Overview

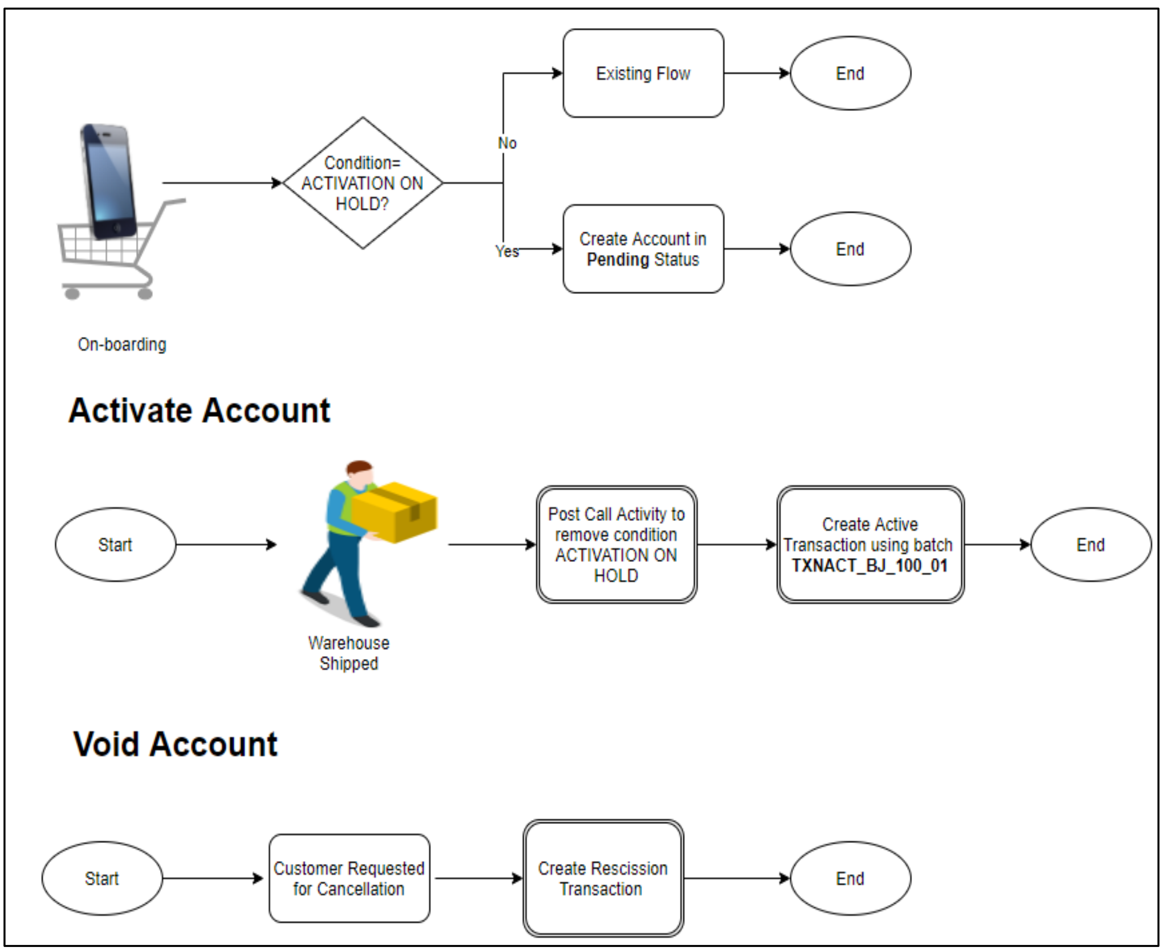
In device financing, OFSLL receives account creation as part of origination process and activation of account happens when the actual device delivered to the customer. To support this, OFSLL enhanced to create Accounts in PENDING status.

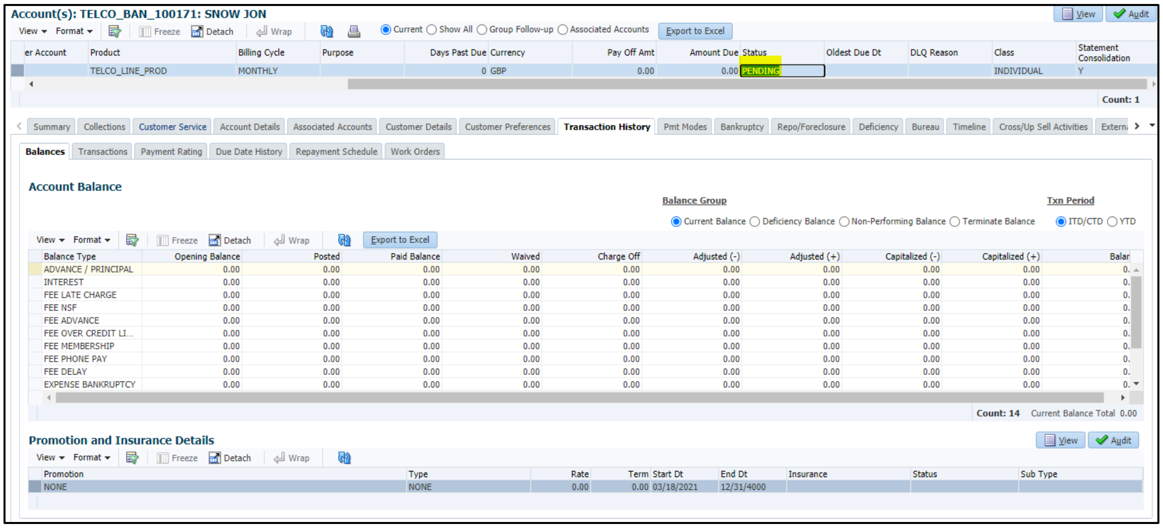
2.1.2 Description

Existing Flow of Account Creation



New Flow of Account Creation





- A new condition ACCOUNT ACTIVATION ON HOLD [ACC_ACTIVATION_ON_HOLD] created.
- API and Account on-boarding process is enhanced to stop posting **ACTIVE** Transaction if ACCOUNT ACTIVATION ON HOLD [ACC_ACTIVATION_ON_HOLD] condition is already available on that account.
- Existing batch job **SET-AAI → TXNACT_BJ_100_01** can be used to activate this account once condition is removed.
  - This batch job is also enhanced to stop activation of Account if ACCOUNT ACTIVATION ON HOLD [ACC_ACTIVATION_ON_HOLD] condition is available on PENDING account.
  - This batch job posts ACTIVE transaction with Contract Date. This enables to achieve OFSLL system consistency of having ACTIVE transaction as the first transaction.
- OFSLL Supports posting below transaction on Pending Accounts

Monetary Transaction
DDCHANGE (DUE DATE CHANGE)
DDCHANGE_OVERRIDE (DUE DATE CHANGE OVERRIDE)
PAYOFF (PAYOFF QUOTE)
PAYOFF_LEASE (PAYOFF QUOTE LEASE)
EXTENSION_OVERRIDE (EXTENSION OVERRIDE)
EXTENSION (EXTENSION)
FEE_CONSOLIDATION_MAINT (FEE CONSOLIDATION MAINTENANCE)
LS_EXTENSION (LEASES_EXTENSION)
RESCHEDULE_BILL_CYCLE (RESCHEDULE BILL CYCLE)
Non-Monetary Transaction
Customer Maintenance

All Transaction with Group code (CUSTOMER NON MONETARY) except below: PAYOFF_CONSOLIDATE (CONSOLIDATED PAYOFF QUOTE) TERMINATE_MULTI (TERMINATE MULTI ACCOUNT)
Asset Maintenance:
ADD_NEW_ASSET (ADD NEW ASSET)
SUBSTITUTION_OF_ASSET (SUBSTITUTION OF ASSET)
ASSET_CHANGE_USAGE (ASSET CHANGE USAGE/CHARGE DETAILS)
ASSET_MAINTENANCE (ASSET MAINTENANCE)
Account Maintenance:
ACC_CONT_MAINT (ACCOUNT CONTRACT MAINTENANCE)
SALES_TAX_EXEMPTION_MAINT (SALES TAX EXEMPTION DETAILS MAINTENANCE)
PMT_HIERARCHY_MAINT (MASTER ACCOUNT PAYMENT HIERARCHY MAINTENANCE)
ACC_SWP_CST_RLTN (SWAP RELATIONSHIP)
ACC_STOP_CORR_MAINT (ACCOUNT STOP CORRESPONDENCE)
ACC_STOP_ALL_ACH (ACH STOP ALL ACCOUNT ACH)
ACC_STOP_ACH_MAINT (ACH ACCOUNT STOP)
ACC_STMT_PREFERENCE_MODE (STATEMENT PREFERENCE MODE)
ACC_STMT_CONSOLIDATE_MAINT (STATEMENT CONSOLIDATION INDICATOR MAINTENANCE)
ACC_RESCISSION (RESCISSION ACCOUNT)
ACC_ACH_MAINT (ACH MAINTENANCE)
ACC_ACH_NEW (NEW ACH MAINTENANCE)
ACC_PHP_MAINT (ACH ONE TIME PHONE PAY)

Note the following:

- These changes are applicable for both Account On-boarding and API conversion process.
- List of transactions supported for posting on PENDING account can be added/removed based on the feedback from different customers.
- When Account created in PENDING status, Account fields are not populated as they are populated as part of "ACTIVE" transaction posting.

- This changed some transaction behaviour like DDCHANGE [DUE DATE CHANGE] and RESCHEDULE_BILL_CYCLE [RESCHEDULE BILL CYCLE].
- Some validation like maximum allowed days of these transactions happens only when PENDING account ACTIVATED.
- Above changes are not supported for accounts with Balance Type FCBC (Cycle Based Collection Late Fee) and FCBL (Cycle Based Late Fee).

2.1.3 Seed Data

Refer 'Appendix: Seed Data' chapter.

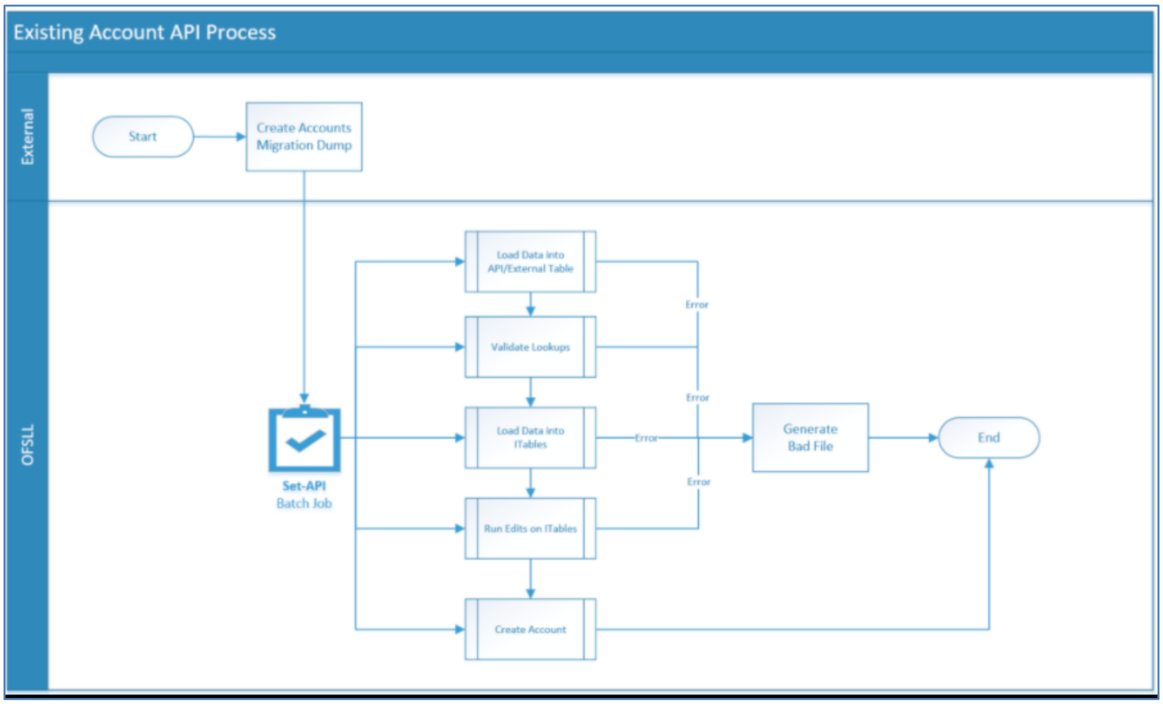
2.2 Asynchronous Account Creation

2.2.1 Overview

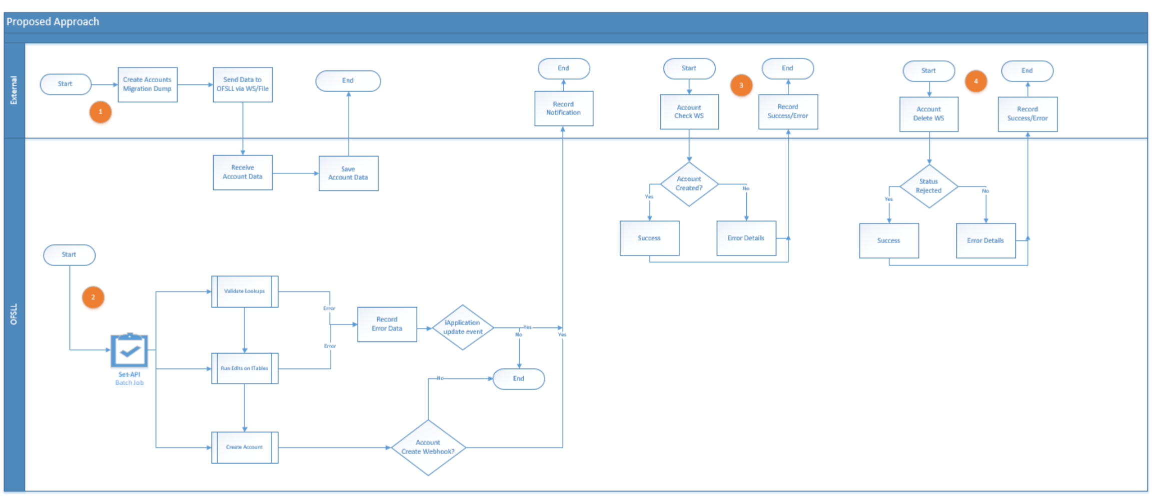
- OFSLL is enhanced to create multiple accounts to on-board a business/SME customer.
- On getting the request to create these accounts, OFSLL has the option to create it synchronously or asynchronously.

2.2.2 Description

Existing flow



Enhanced Approach



The asynchronous account creation is achieved by converting the above process into the below 4 sub flows as depicted in the flow diagram

- In the flow 1, external system sends account creation request and the details are saved in the 'itable'.
- In the flow 2, OFSLL batch jobs validates the data and create the accounts.
- In the flow 3, a new webservice checks if the accounts are created or has errors.
- In the flow 4, a new webservice deletes the records with error status.

2.2.3 Setup

- A new system parameter "ACCOUNT ON-BOARDING SYNCHRONOUS TO ASYNCHRONOUS PROCESSING THRESHOLD" is introduced to switch between synchronous and asynchronous account creation using the new Account on-boarding WS.
  - This parameter value is defaulted to 50.If the parameter is disabled, system defaults the value to 50.
- A new batch job Set-API2 batch job process is created with 2 new job codes.
  - The first one, ACXVAL_BJ_100_01- VALIDATE IAPP TABS batch job validates the data from the request by executing EDITs and Lookup Validations. This batch job picks records that are in New Blank Status.
  - The second job, ACXAAI_BJ_100_01 - ASYNCHRONOUS ACCOUNT CREATION creates the accounts once the accounts are successfully validated and there are no error exists.
- A new record is to be maintained by the user in the Cycle Setup for the below From-To Status-Sub Status
  - Rejected-Blank to New-Blank

NOTE: Any edits configured as part of the status change is not executed during status change done in conversion screen.

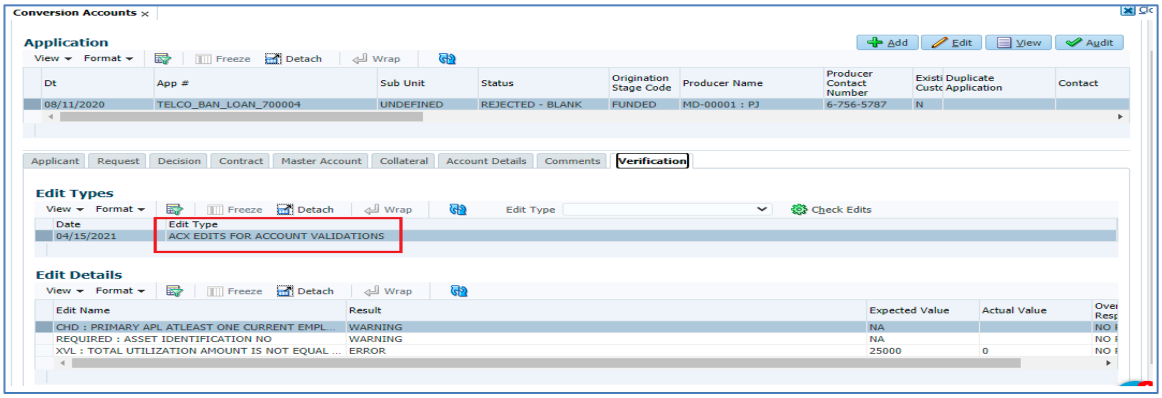
- A new Edit type- LOOKUP EDITS FOR ASYNCHRONOUS ACCOUNT CREATION is introduced which gets executed as part of the validation batch run along with the account on boarding Edits and not configured as part of SETUP and user cannot update the edit setup nor manually runs the edit.
- A new Account on-boarding Web Service is created with below:
  - A new content type application/gzip format added to support compression on json/xml payload.
  - This webservice supports creation of accounts synchronously and asynchronously based on value of the above system parameter.
    - If the parameter value is 50 and user sends 50 or less accounts using the new account boarding rest service, system creates that many synchronous accounts.
    - If user sends 51 or more accounts, then system creates that many asynchronous accounts.
  - In Asynchronous modes, the webservice sends response as "The Request has been accepted".

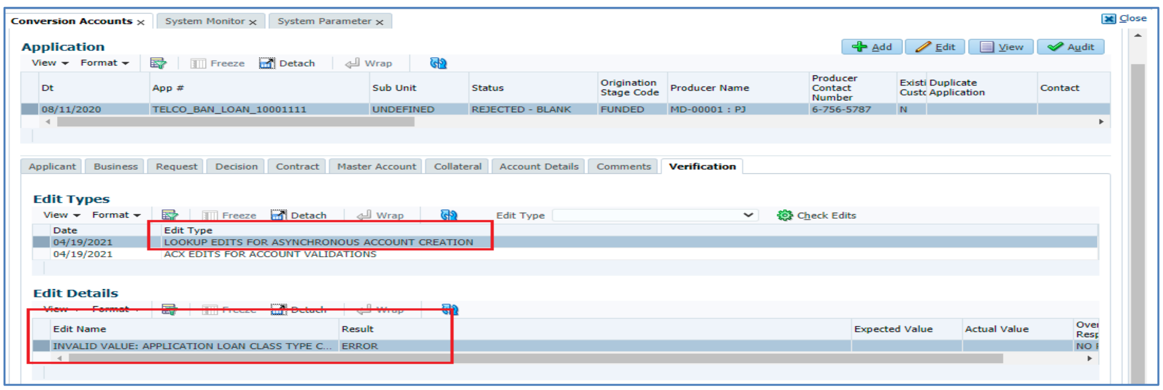
<u>EXECUTION</u>

In Asynchronous mode,

- If there are no XSD validations, once the request is sent with multiple account request, all the records are available in Iapplication table with status as New and sub status as Blank (Whatever status - sub status sent in the request is overridden) and the response says "The Request is accepted". In case of any XSD errors, it is shown as part of the response.

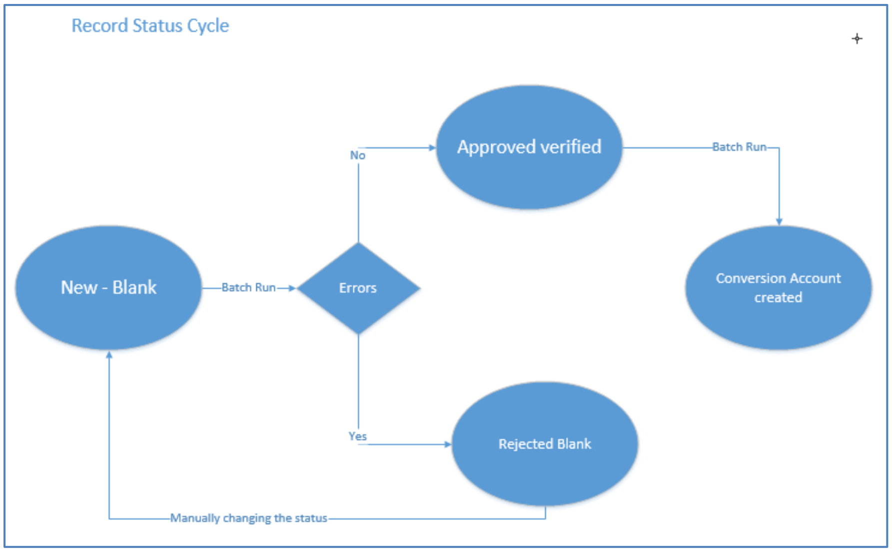
- In case of any business validation in any of the request in the payload, system shows the same in the response and does not get a success message.
- Once the validation batch is run, all the records with no errors are updated with status as Approved and sub status as Verified and the one with errors(EDITs or Lookup Validations) are updated with status as Rejected and sub status as Blank.
- The lookup and account boarding edits can be viewed in the Conversion Screen>Verification tab





- For the records that are in Rejected Blank Status, user need to manually correct the data in conversion screen and once all the errors are removed, user can change the status to New Blank. Then user re runs the validation batch to validate the data and the status of the record changes to Approved Verified if there are no errors.
- Then the account creation batch is run and system picks all the accounts that are in Approved Verified status and change the status to Conversion and sub status to Accounts Created in Iapplication table and create the actual accounts.

- Below is how the status cycle looks like for a record in itable.



Validations in case of Asynchronous mode, while submitting the request:

- System validates all the business validations that are part of existing account boarding service.
- System validates the XSD validations

A new WS Staged account Get Service provided to check if Account is created based on ITables.

- If account is created, this service returns Success message.
- If account is not created, this service returns Edit Result.
- Response contains the lookup validations as well as the Account on boarding edits if there are any.
- For wrong xref number passed, system shows error as “invalid application/ reference number”.

A new web service - Staged Account Delete is provided to delete accounts from ITables.

- Only those records can be deleted which are in Rejected Blank status.
- For records with New Blank or Approved Verified status, system throws error as “The Record cannot be deleted as the application status is Either New/Validated”.
- For records with Conversion Account created status, system shows message like "The record cannot be deleted as the account is already created successfully"
- For wrong xref number passed, system shows error as “invalid application/reference number”

NOTE: The existing account boarding service shall be de-scoped in upcoming releases.

2.2.4 Seed Data

Refer ‘Appendix: Seed Data’ chapter.

2.3 Table Columns as Event Action Parameters

2.3.1 Overview

OFSLL enhanced to support capturing Event Action Parameter values from OFSLL Table columns using User Defined Tables.

2.3.2 Description

This feature currently added for two Event Types and one Event Action. It shall be extended to others in next release/patch.

Event Types

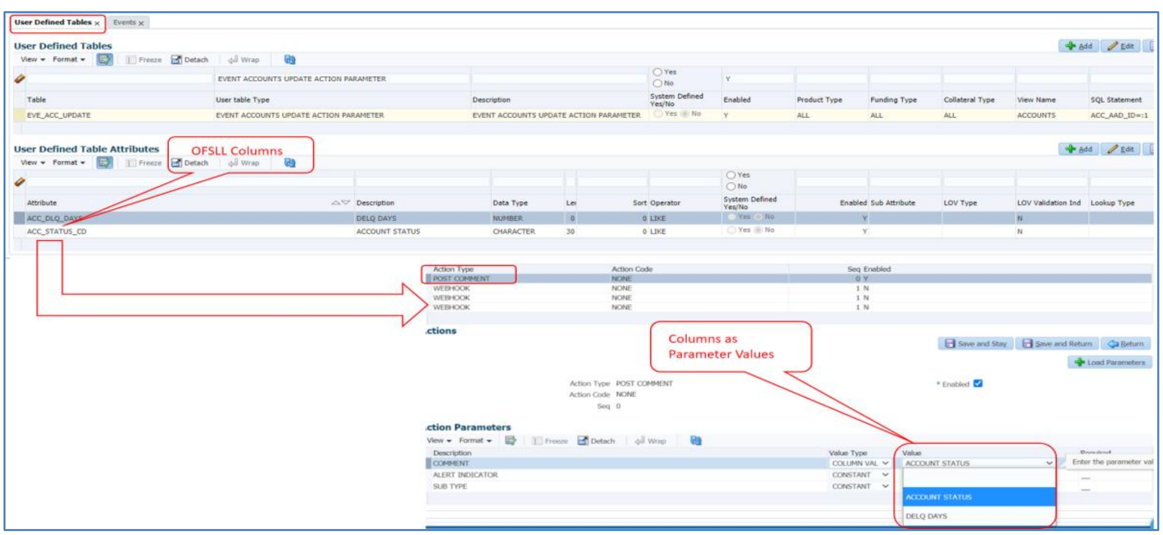
- EVENT TO PROCESS ACTIONS WHEN NEW ACCOUNT IS CREATED
- EVENT TO PROCESS ACTIONS WHEN ACCOUNT DATA IS UPDATED

Event Action

- POST COMMENT

To support OFSLL Table Column Value as Event Action parameters, below changes taken up:

- A new User Defined Table Type to define columns values to be displayed for Event Action Parameter Values
  - EVENT ACCOUNTS CREATE ACTION PARAMETER – for Account Create Event Type
  - EVENT ACCOUNTS UPDATE ACTION PARAMETER – for Account Update Event Type
- A new EVENT VALUE TYPE CODES [EVENT_VALUE_TYPE_CODE] added COLUMN VALUE [COLUMN_VALUE]. On selecting this OFSLL displays Action Parameter values from User Defined Tables based on the Event Type.
- If the column value cannot be populated due to multiple records or no record found; system retains the parameter value as blank/null.



2.3.3 Seed Data

Refer 'Appendix: Seed Data' chapter.

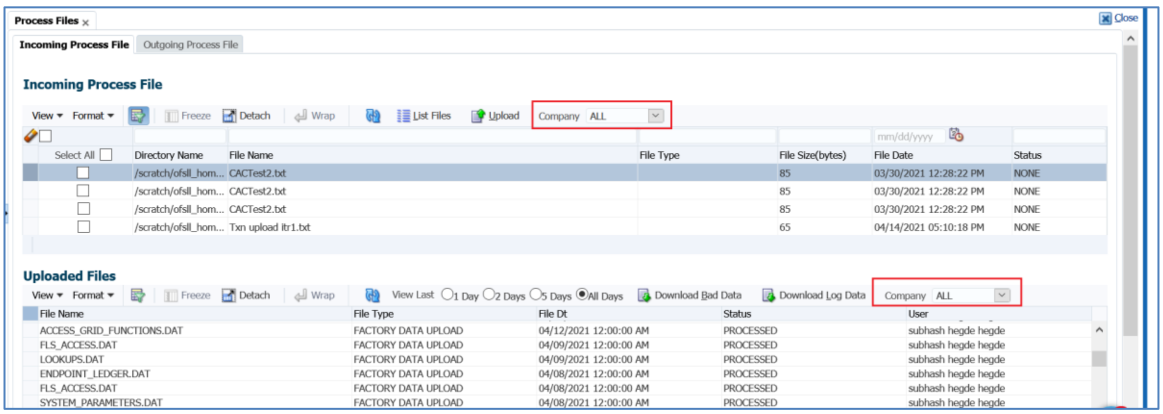
2.4 Filter Uploaded / Downloaded files based on company

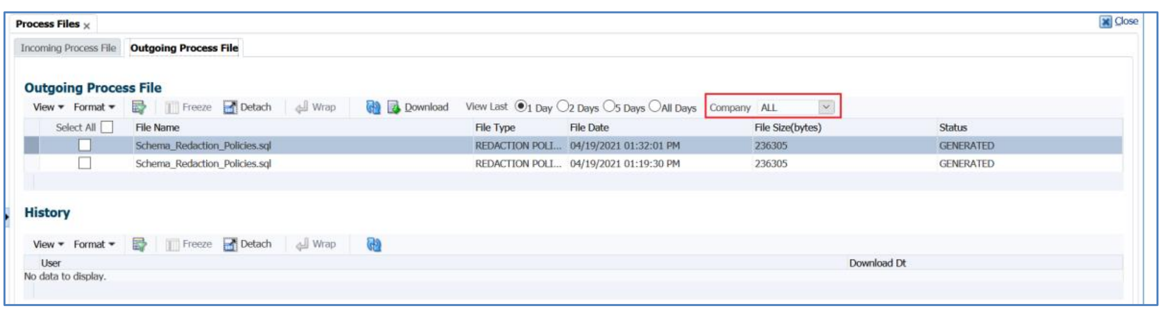
2.4.1 Overview

Process Files → Incoming process files and Outgoing process files screen shows the list of files uploaded or generated for outbound. Specific mechanism is provided to filter the records based on company.

2.4.2 Description

- New 'Company' filter provided at Incoming Process File and outgoing process file tabs to fetch the records based on selected company.
- Added a non-mandatory field 'Company' LOV to the following existing web services Requests:
  - "Incoming File Service"
  - "Outgoing File List service".
- User Access to Company is validated before sending the Response to the web service based on the user code sent as part of the web service Request.





2.4.3 Seed Data

Refer 'Appendix: Seed Data' chapter.

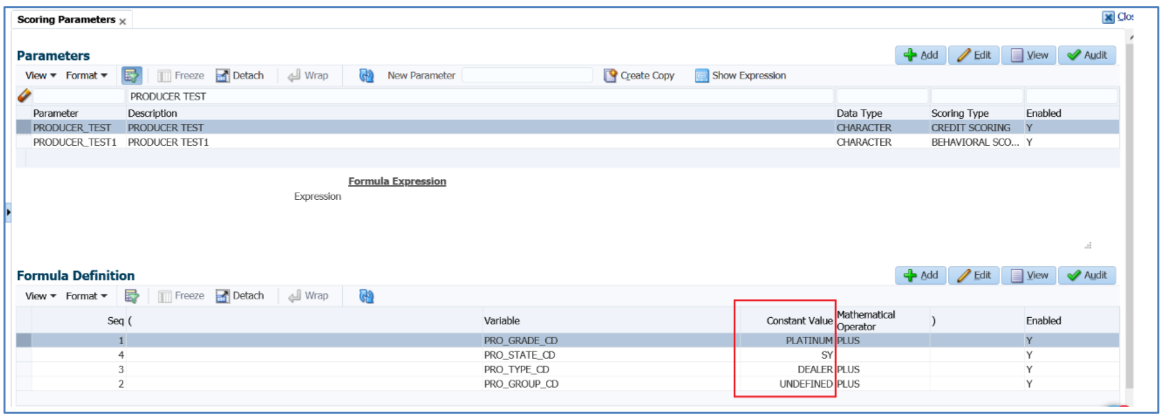
2.5 Scoring Parameters & Scoring Model → Allows Varchar

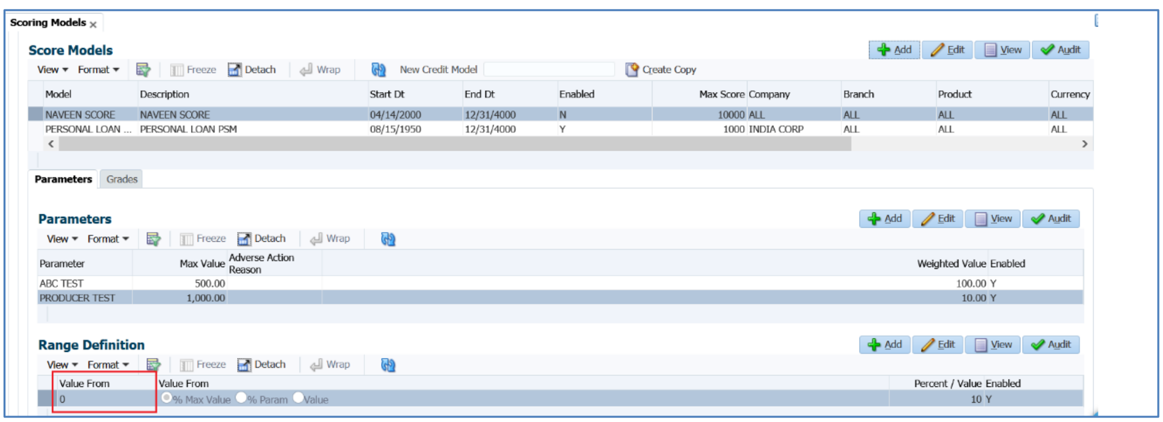
2.5.1 Overview

Currently, scoring parameters and scoring model screens → 'Constant Value' or 'Value From' fields accepts only numeric values and hence any other parameters cannot be considered for scoring parameters.

2.5.2 Description

Data type for the below mentioned fields changed to Varchar and now system allows to input text value. This allows user to configure any user defined table values from different tables like producer (Producer grade etc.).





2.5.3 Seed Data

Refer 'Appendix: Seed Data' chapter.

2.6 JET Enhancements

2.6.1 Overview

JET based screens designed and separate access provided with hyperlink called ‘NextGenUI’. On click of ‘NextGenUI’ link, system opens new window to show the list of JET screens available in OFSLL.

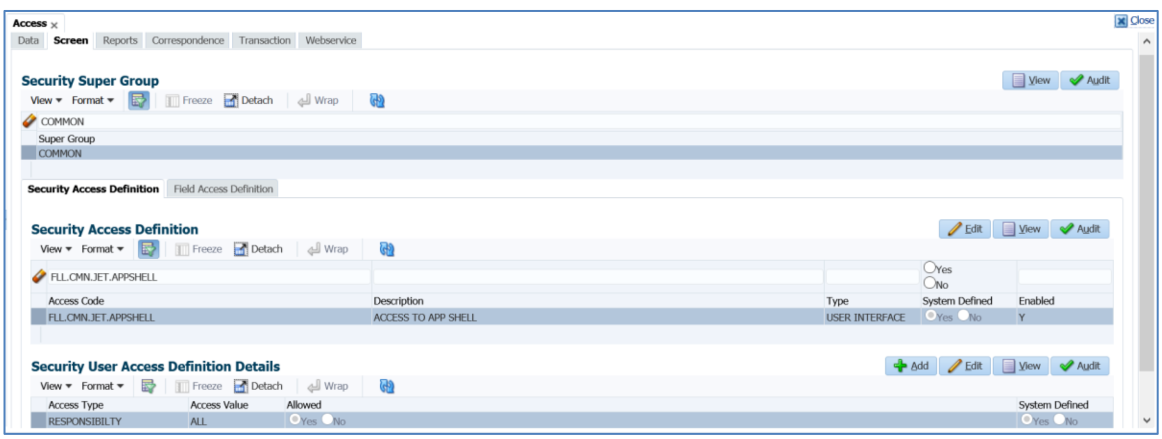
All other existing menu links related to JET based screens removed.

2.6.2 Description

‘NextGenUI’ hyperlink provided as shown in the fig below.

This functionality is driven by the following system parameter → FLL.CMN.JET.APPSHELL; which controls the enable or disable functionality of menu.

Access key to enable the menus → FLL.CMN.JET.APPSHELL



2.6.3 Static Quick Search

Static Quick Search provided with following options. System fetches the first 50 records for one or more search criteria combination.

- Account #
- Customer Id
- SSN
- National ID
- Identification #

2.6.4 Queue / Condition Search

Account can be browsed using Queue / condition search Lookup. System takes the user to account landing page, if record is available for selection and on click of 'Next Account'.

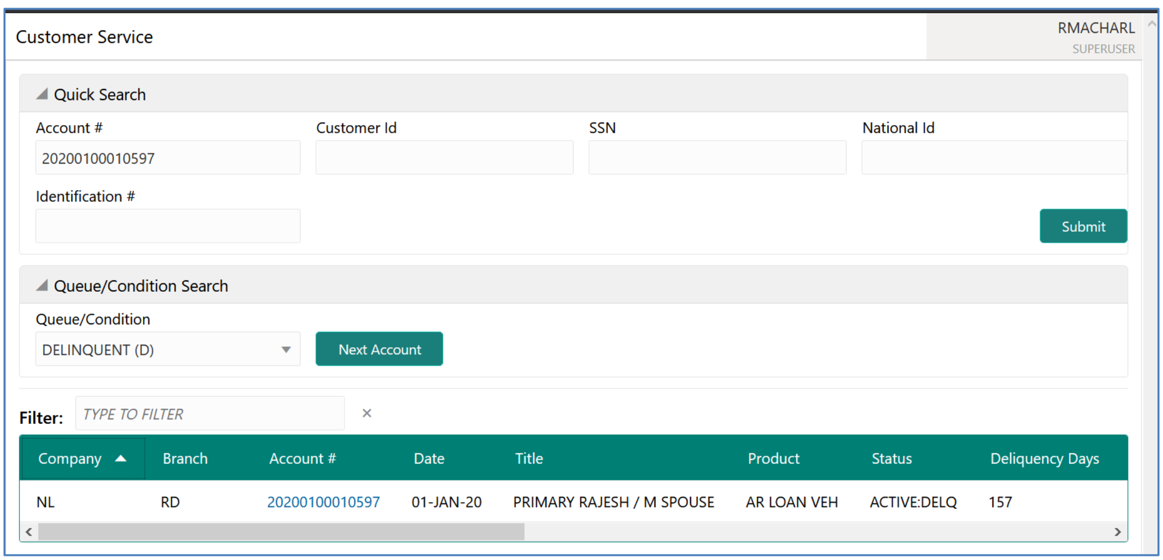
Limitation:

In a single logged-in session, if user switches between the Queues/Conditions search, system always begin with first account instead of opening the account from last opened account. But if user is working on same queue/condition, then system opens next account from that list.

Out of scope: Auto Run and Filtered Account is not available.

2.6.5 Global Filter

- Global Filter used to narrow down the search results.
- Once system fetches the list of accounts based on quick search criteria, user can input value in filter to narrow down the search result based on the input string.



Limitation:

- In Search Result, system does not mask the key information for the user who doesn't have access to secured accounts but it restricts users not to open the account.
- Search result, shows only first 50 records only.

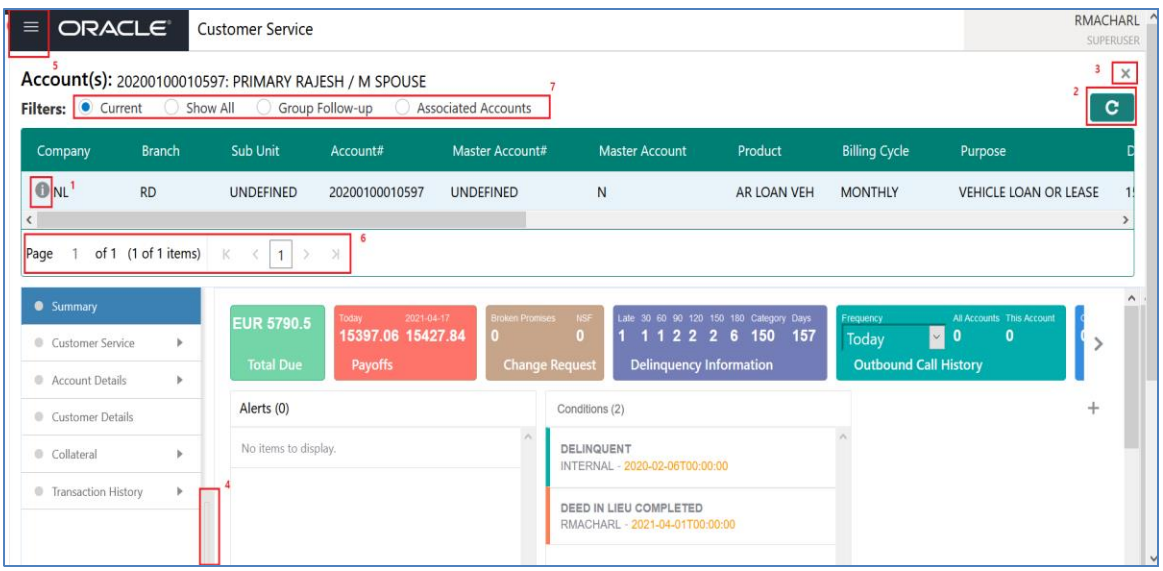
2.6.6 Customer Service Landing Page and Header

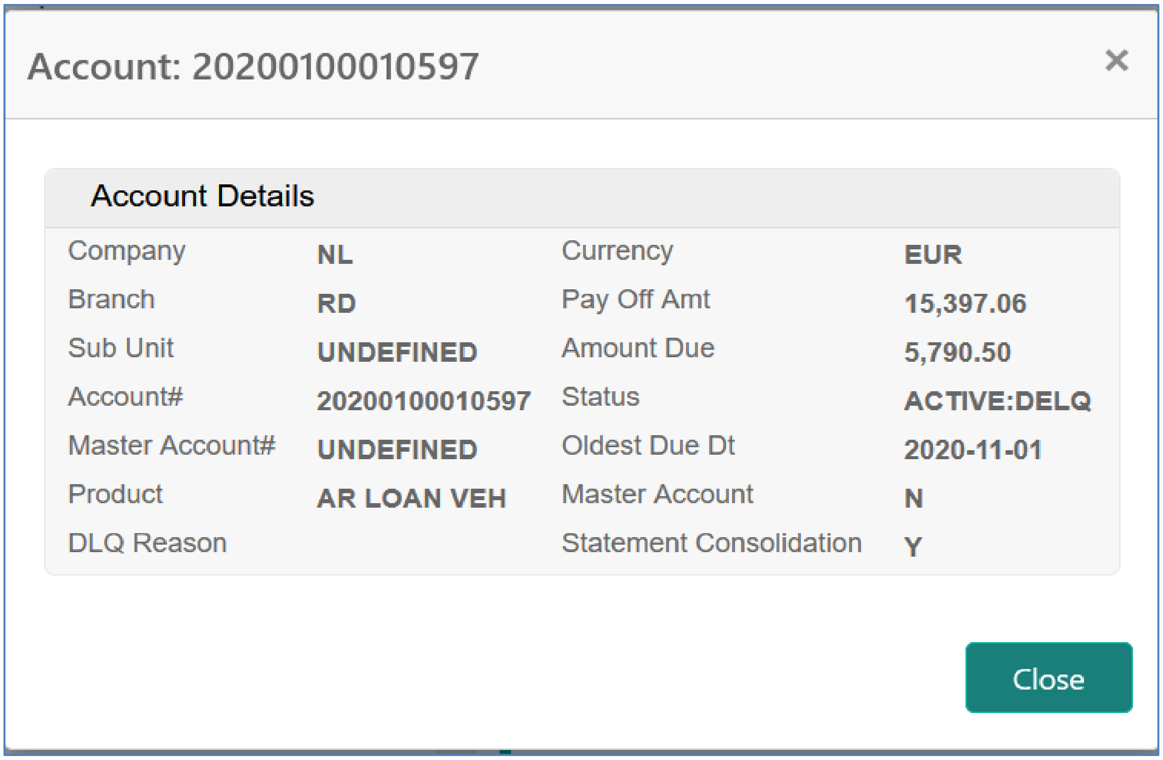
On selection of account hyperlink in search page, system navigates user to account specific page. For 'Account landing page' refer fig 1.

Header Information can be sorted ascending / descending, by click of any of the field like Company, branch etc.

1. **Account Information Icon (Modal Dialog)**: On Selection of Account Information icon, Modal Dialog opens up and display the account information. Refer fig 2.
2. **Global Refresh**: On click of this button, system does the account level refresh, which fetches the latest saved details of account on screen.

3. **Account Close Button**: On click of this button, system closes the account and navigates to search page.
4. **Navigation List (Vertical Collapsible)**: On click of 'Navigation List' menu bar, system expands to show the menu items or collapse the menu items. In the expand mode, system shows the full menu names and in collapse mode, system shows the dots to indicate the menu items.
5. **Navigation List (Vertical Text)**: On click of Navigation List, system shows the main menu list of JET screens.
6. **Paging Control**: This feature is available at multiple levels/screen in servicing. The header paging control used to browse the information in pages.
7. **Filters**: Following filters are available and on selection, system shows first 3 records by default:
   - Current
   - Show All
   - Group Follow-up
   - Associated Accounts





2.6.7 ‘Call Activities’ Screen

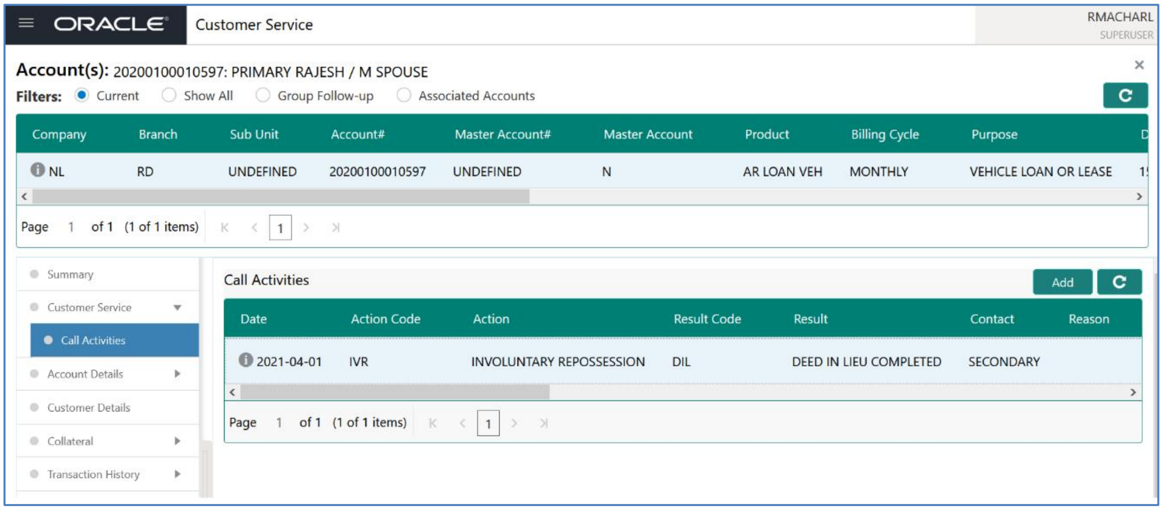
User can browse to ‘Call Activities’ menu to post call activity / promise on the account.

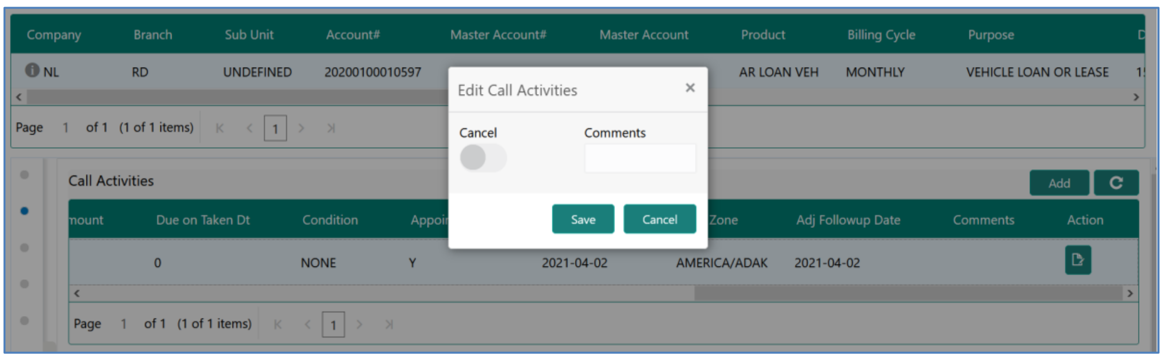
By default 5 records are shown and user can navigate through pagination option to browse through list of records.

Information can be sorted ascending / descending, by click of any of the field like Date, Action Code etc.

- Call Activity Information Icon (Modal Dialog):
  - On Selection of Call Activity Icon, Modal Dialog opens up and shows the VIEW of call activity information. (Refer Fig 1)
  - Add Button used for addition of new call activity.
  - Refresh button used to refresh the information in the block.
- Table Action menu (Refer Fig 2):

➢ On click of ‘Table Action Menu’, system shows the Modal Dialog and user can input comments or cancel the call activity, using switch.





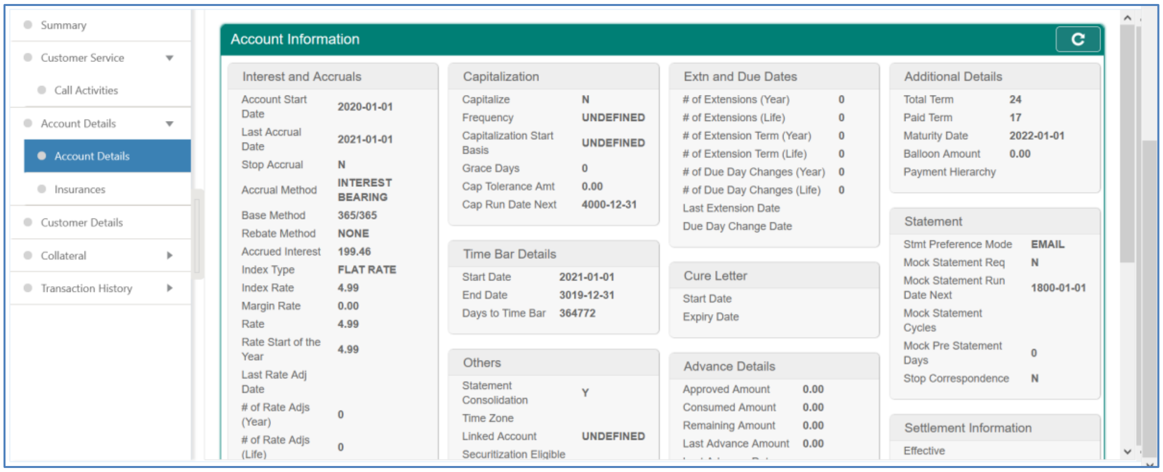
Limitations:

- Call activity > Action LOV does not check for responsibility access from Setup > Queues > Call Activity > Responsibilities
- Adjusted follow-up date shows the same date as 'Follow up date' i.e., it does not convert the date as per the user time zone

2.6.8 ‘Account Details’ Screen

User can browse Account Information on click of ‘Account Details’ Screen and system shows up the information in tiles.

Refresh button is provided to fetch the latest records.



2.6.9 **‘Insurances’ Screen**

In this screen,

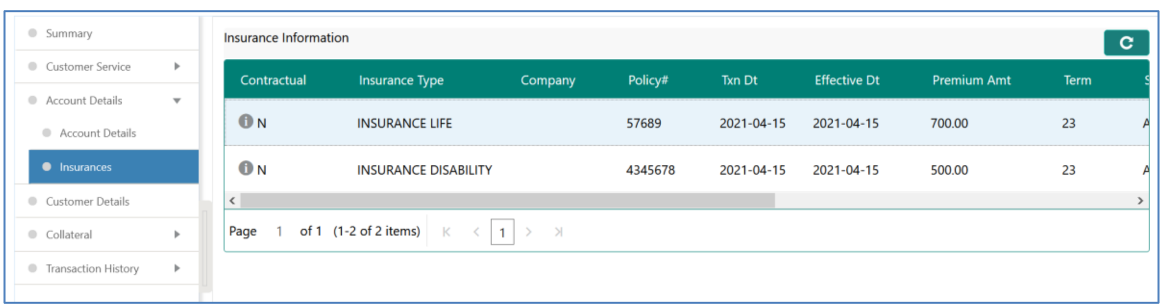
- User can browse the ‘Insurance’ details and default 5 records shown.
- User can navigate through pagination option to browse through list of records.
- Refresh button is available to fetch latest records.
- Information can be sorted ascending / descending, by click of any of the field.

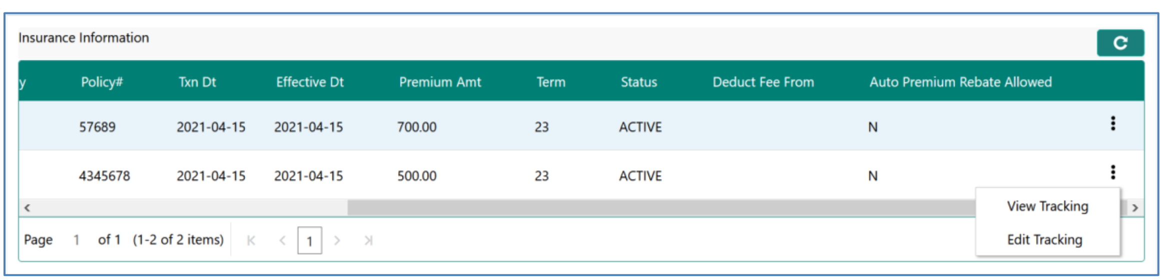
Insurance Information Icon (Modal Dialog):

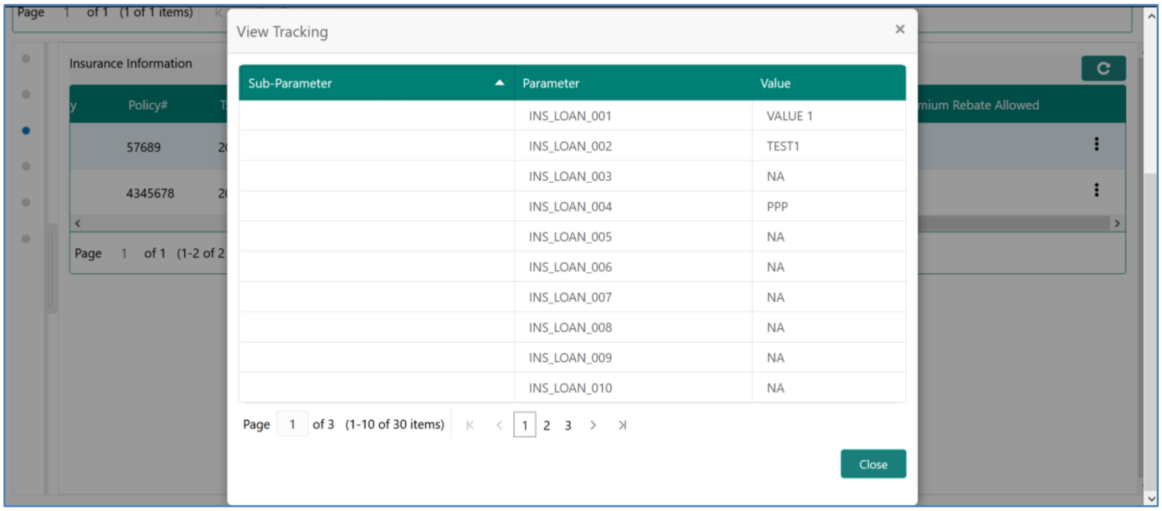
On Selection of Insurance Information icon, Modal Dialog opens up and shows the insurance information.

Table (action menu):

- Click of Table action menu, system shows two options → View and Edit records. (Refer fig 2)
- On selection of specific option, system shows modal dialog either to view or edit records. (Refer fig 3)







2.6.10 ‘Customer Details’ Screen

User can browse customer information on click of ‘Customer Details’ Screen and system shows up the information in tiles with Customer Header information shown by default. (Ref fig 1).

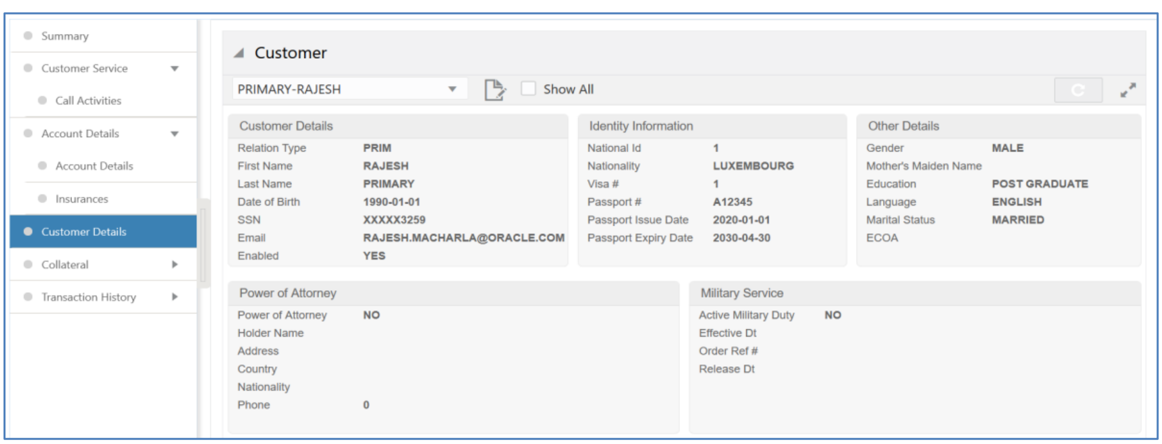
User can click on ‘Edit Icon’ to edit the customer header information. (Ref fig 2)

Other information in Accordion:

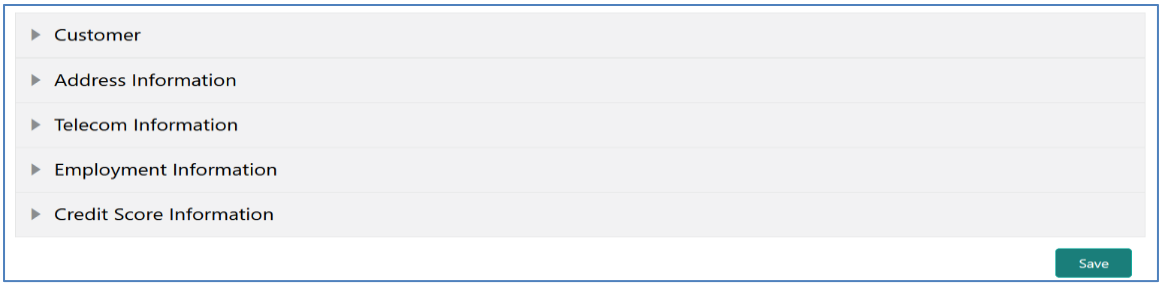
- Other Information like Address Information, Telecom, Employment, credit Score shown in Accordion (set of collapsible child elements - Ref Fig 3).
- SAVE button is available at block level and at Customer Information block level. User expected to click SAVE at independent block as well as at master level to save the data.
- Refresh button helps to refresh Customer Information shown on screen.
- Click of ‘Panel expand’ shows the information in modal window.

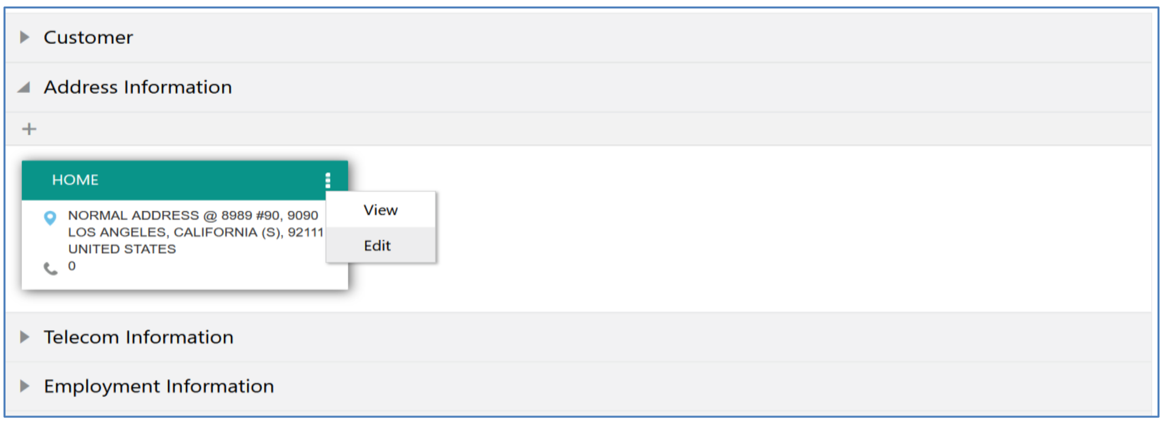
Add/ Edit Information:

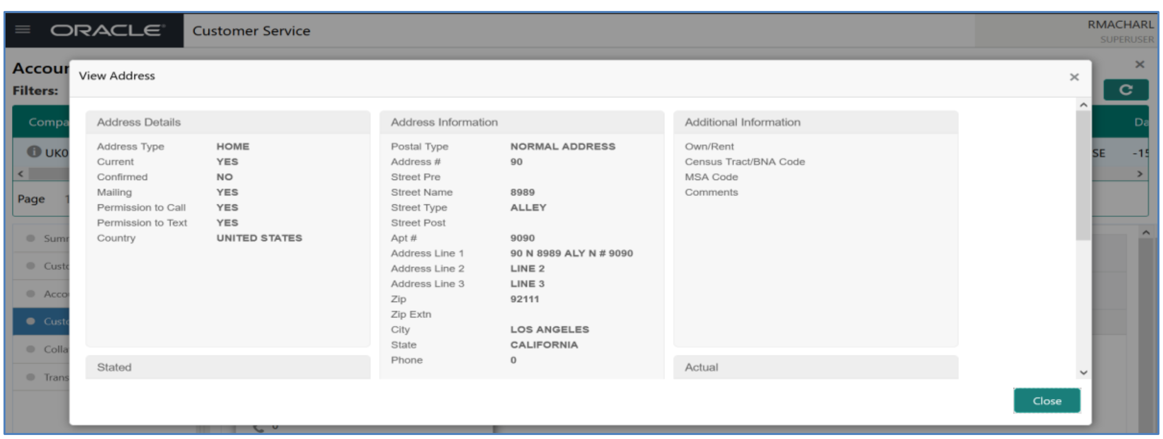
- User can Add/ Edit Address, Telecom, Employment Information by browsing the specific block and information shown in dialogs.
- New record can be added using ‘+’ button.
- To view/ edit record, user can click on ‘Table (Action Menu) to select either View or edit options; which opens up the record in modal dialog for action. (Ref fig 4 & 5).




Edit Customer
Customer Details
Identity Information
Other Details
Power of Attorney
Military Service
Save
Cancel


Customer
Address Information
Telecom Information
Employment Information
Credit Score Information
Save


Customer
Address Information
HOME
NORMAL ADDRESS @ 8989 #90, 9090
LOS ANGELES, CALIFORNIA (S), 92111
UNITED STATES
0
View
Edit
Telecom Information
Employment Information

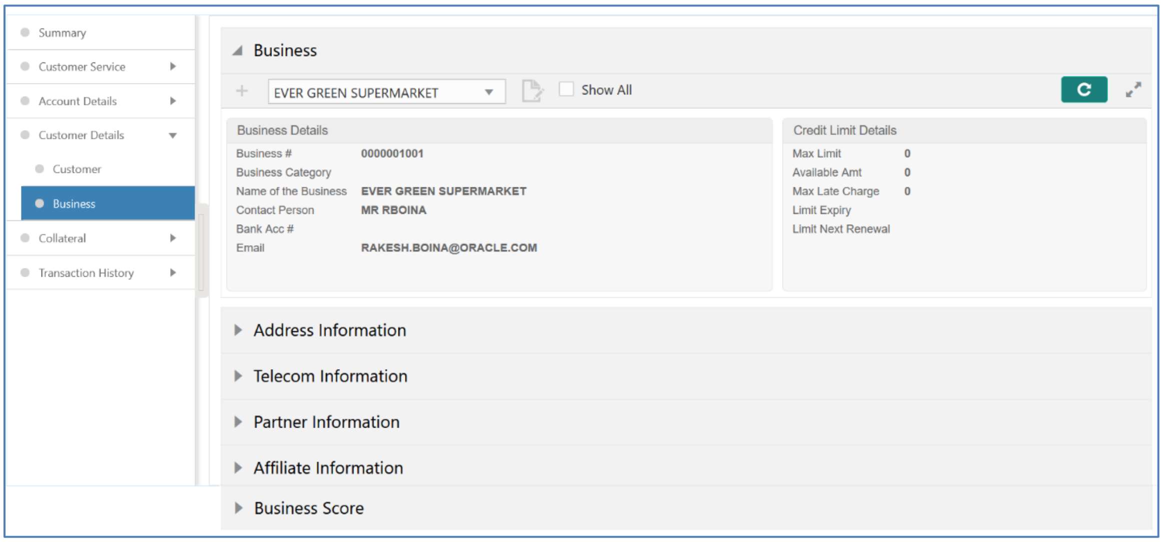

ORACLE
Customer Service
RMACHARL
View Address
Address Details
Address Type HOME
Current YES
Confirmed NO
Mailing YES
Permission to Call YES
Permission to Text YES
Country UNITED STATES
Stated
Address Information
Postal Type NORMAL ADDRESS
Address # 90
Street Pre
Street Name 8989
Street Type ALLEY
Street Post
Apt # 9090
Address Line 1 90 N 8989 ALY N # 9090
Address Line 2 LINE 2
Address Line 3 LINE 3
Zip 92111
Zip Extn
City LOS ANGELES
State CALIFORNIA
Phone 0
Additional Information
Own/Rent
Census Tract/BNA Code
MSA Code
Comments
Actual
Close

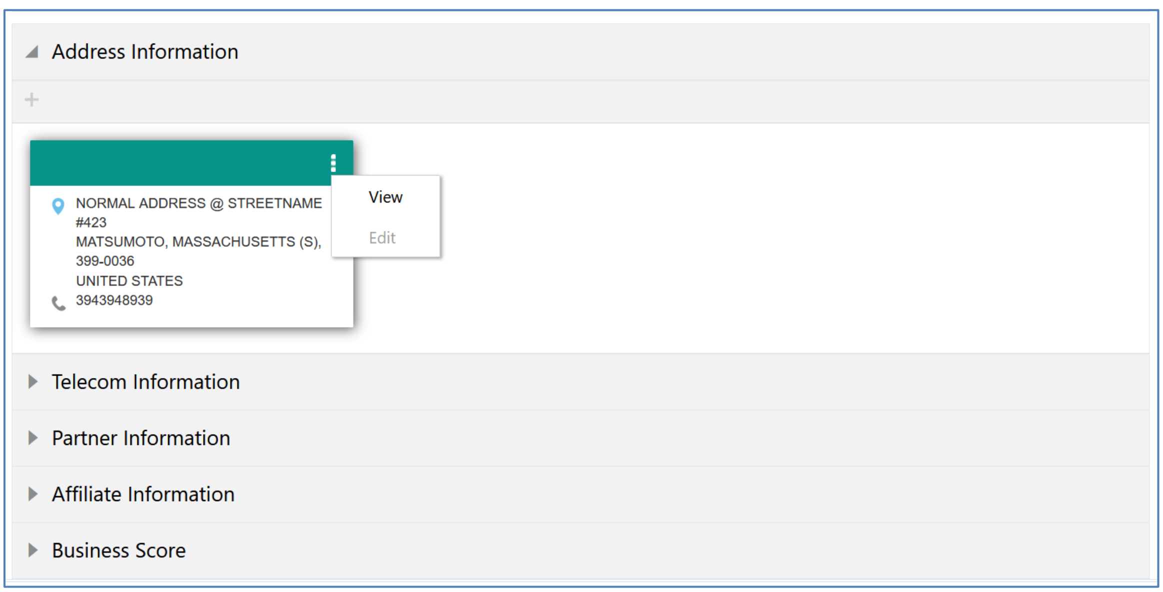
2.6.11 'Business Details' Screen

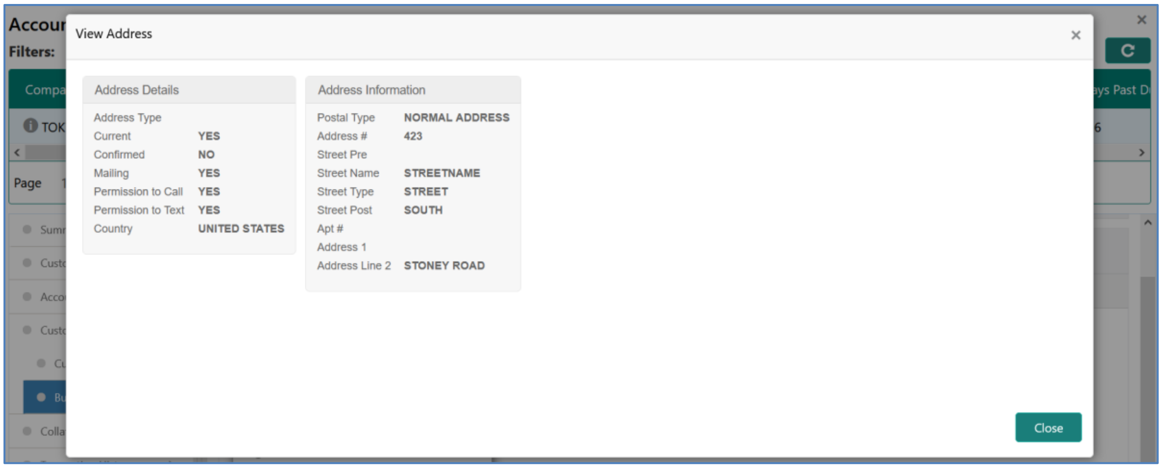
User can browse Business Information on click of 'Customer Details → Business' Screen and system shows up the information in tiles with Business Header information shown by default. (Ref fig 1).

Other information in Accordion:

- Only VIEW of business header and other tabs available for the current release.
- Other Information like Address Information, Telecom Information, Partner Information, Affiliate Information and Business Score shown in Accordion (set of collapsible child elements - Ref Fig 1).
- Refresh button helps to refresh Business Information shown on screen.
- Click of 'Panel expand' shows the information in modal window.







2.6.12 ‘Collateral’ Screen → Home/ Vehicle

User can browse Collateral Information on click of ‘Home/ Vehicle Details’ Screen and system shows up the information in tiles with collateral header information shown by default. (Ref fig 1).

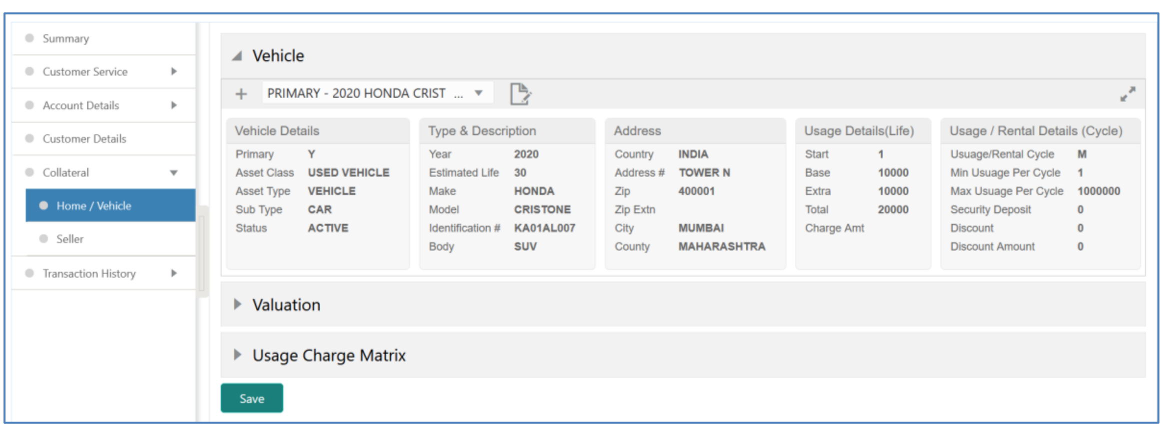
User can click on ‘Edit Icon’ to edit the collateral header information. (Ref fig 2).

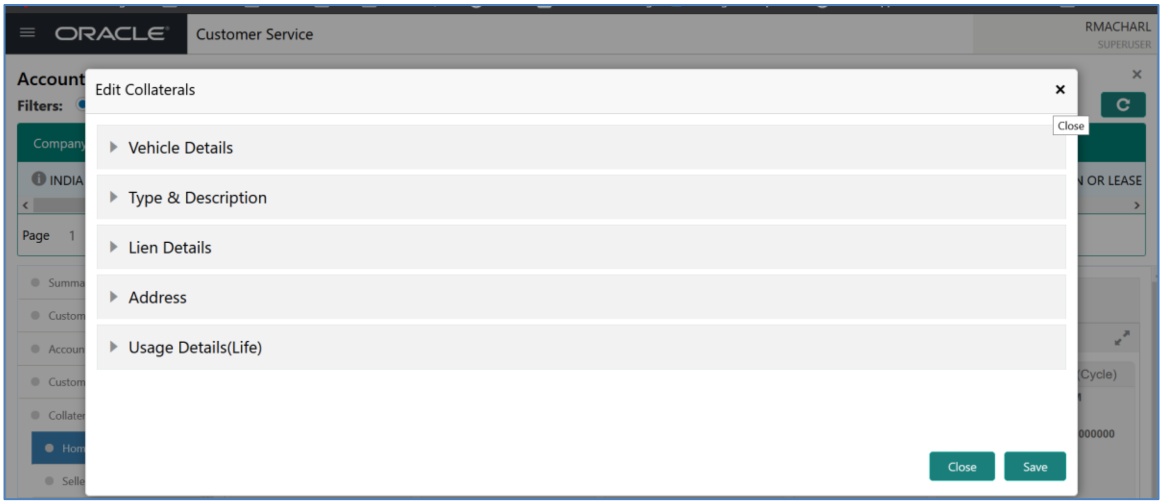
Valuation & Usage Charge Matrix in Accordion:

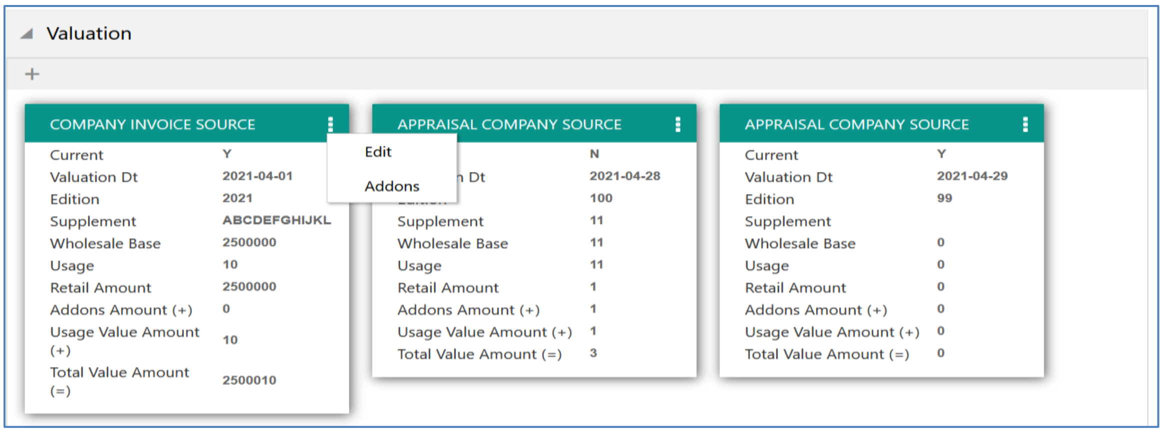
- Valuation, Add-on and Usage Charge Matrix information shown in dialogs (Ref fig 3).
- SAVE button is available at block level and at Customer Information block level. User expected to click SAVE at independent block as well as at master level to save the data.
- Refresh button helps to refresh Customer Information shown on screen.
- Click of ‘Panel expand’ shows the information in modal window.

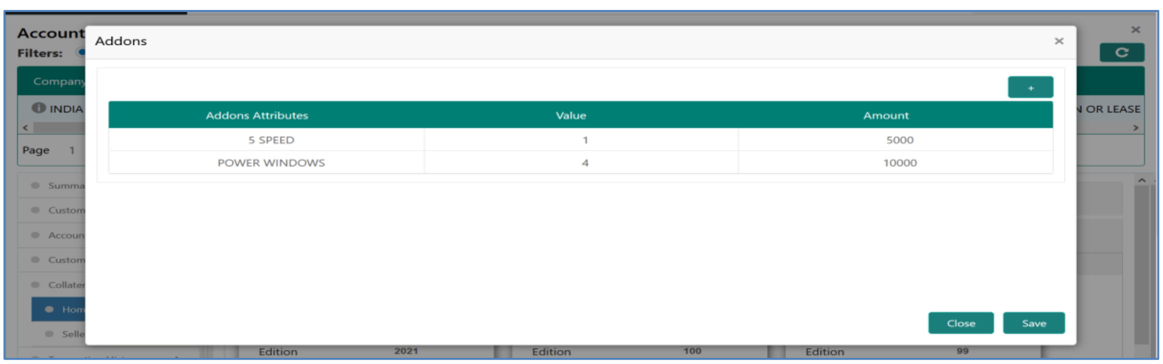
Add/ Edit Information:

- User can Add/ Edit Valuation and Add-Ons by browsing the specific block and information shown in tiles.
- New record can be added using ‘+’ button.
- To view/ edit record, user can click on ‘Table (Action Menu) to select either edit or input (Add/edit) ‘Add on’ options; which opens up the record in modal dialog for action. (Ref fig 3 & 4).





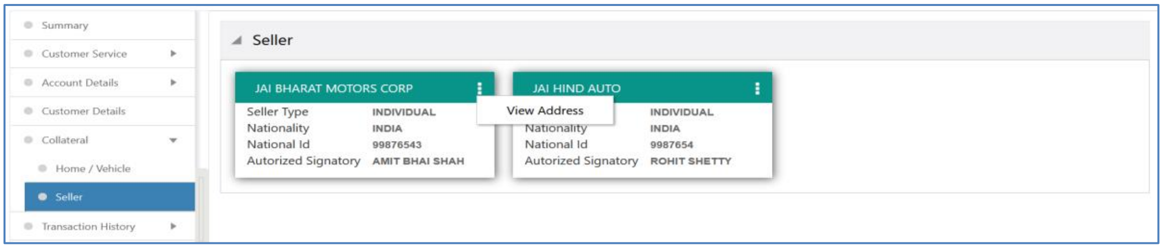




2.6.13 ‘Collateral’ Screen → Seller

User can browse seller Information on click of ‘Seller’ Screen and system shows up the information in dialogs.

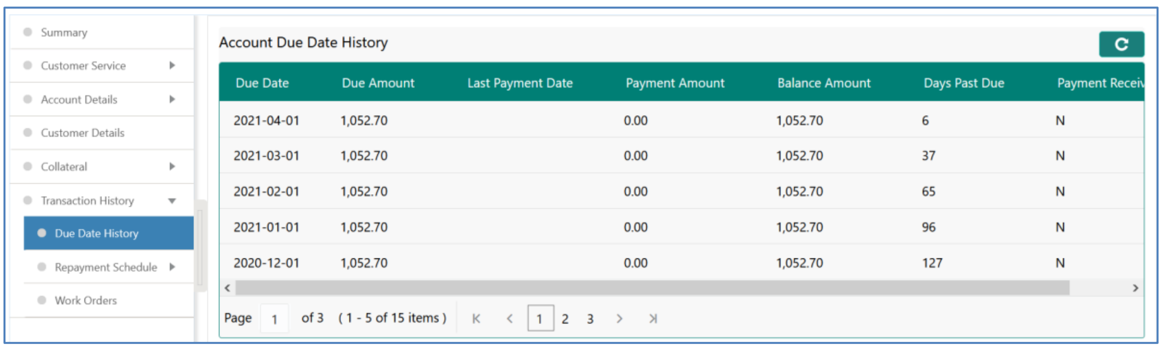
User can View seller information in dialog modal on select of ‘View Address’.



2.6.14 'Transaction History → Due Date History

In this screen,

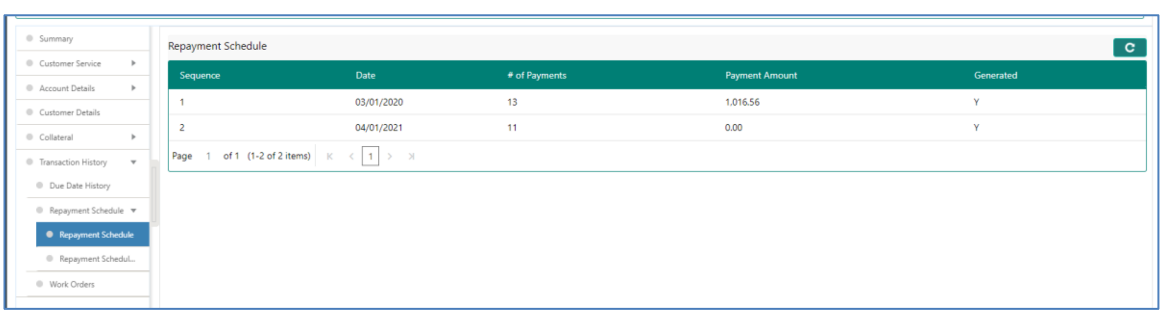
- User can browse Account Due Date History Information on click of 'Due Date History' Screen and system shows up the information on table.
- Refresh button provided to fetch the latest records.
- Default 5 records shown and user can navigate through pagination option to browse through list of records.
- Information can be sorted ascending / descending, by click of any of the field.

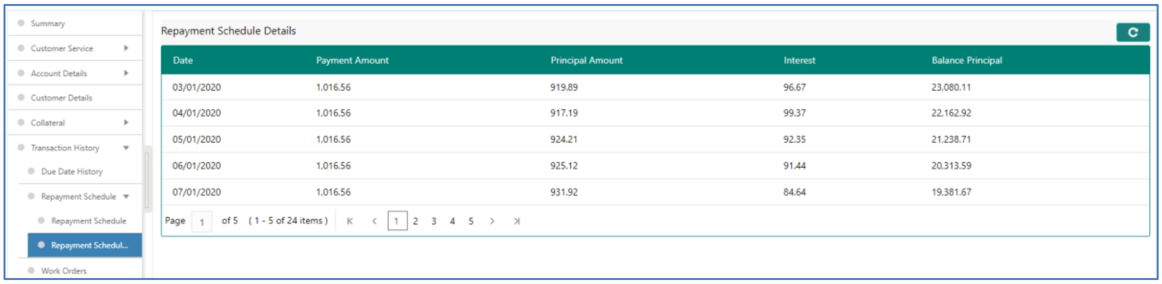


2.6.15 'Transaction History → Repayment Schedule

In this screen,

- User can browse repayment schedule and details information on click of 'Repayment Schedule' menu and system shows up the information on table.
- Refresh button provided to fetch the latest records.
- Default 5 records shown and user can navigate through pagination option to browse through list of records.
- Information can be sorted ascending / descending, by click of any of the field.

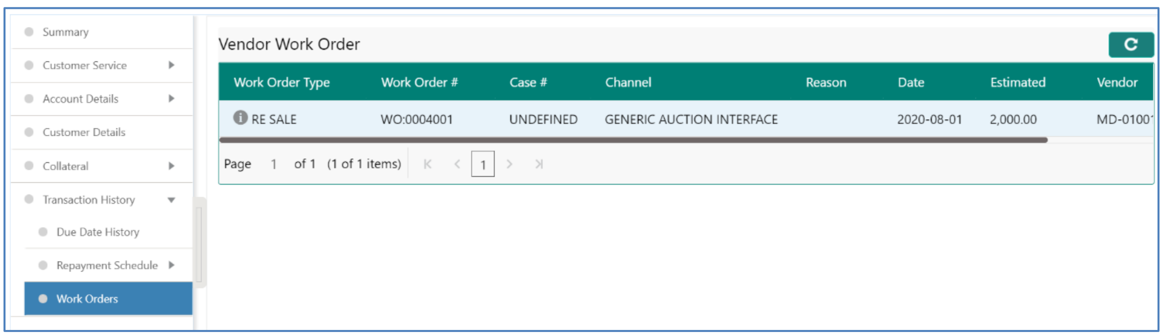


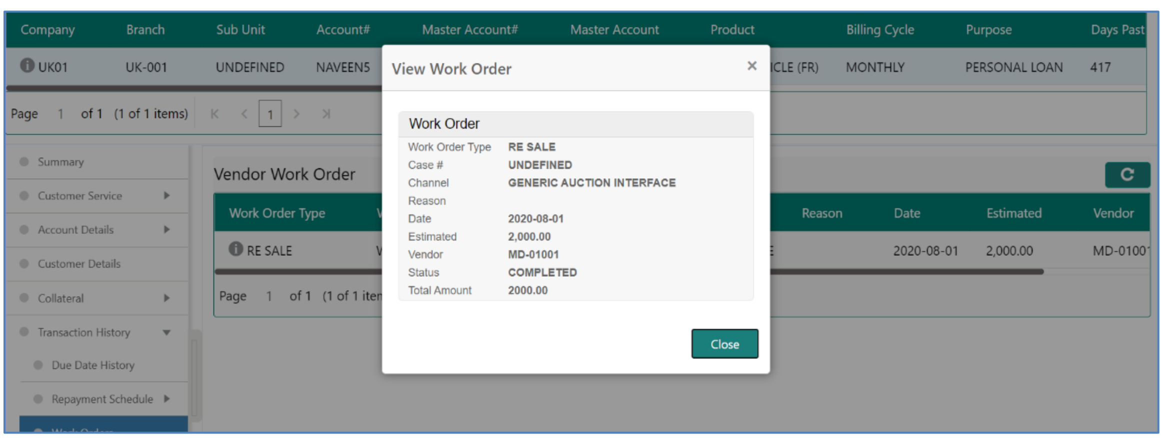


2.6.16 ‘Transaction History → Work Orders

In this screen,

- User can browse Vendor work order details on click of ‘Work Orders’ menu and system shows up the information on table.
- Refresh button provided to fetch the latest records.
- Default 5 records shown and user can navigate through pagination option to browse through list of records.
- Information can be sorted ascending / descending, by click of any of the field.





2.6.17 Seed Data

Refer ‘Appendix: Seed Data’ chapter.

2.7 Chat bot Enhancements

2.7.1 Overview

- OFSLL has 'Chat bot' facility to help user to view/update OFSLL account information and/or view documentation resources along with documentation search capability.
- Chat Bot can be used with or without logging in to OFSLL application.
  - Without login, user can seek the documentation related information
  - With login, user can seek help related to account information or documentation or both.

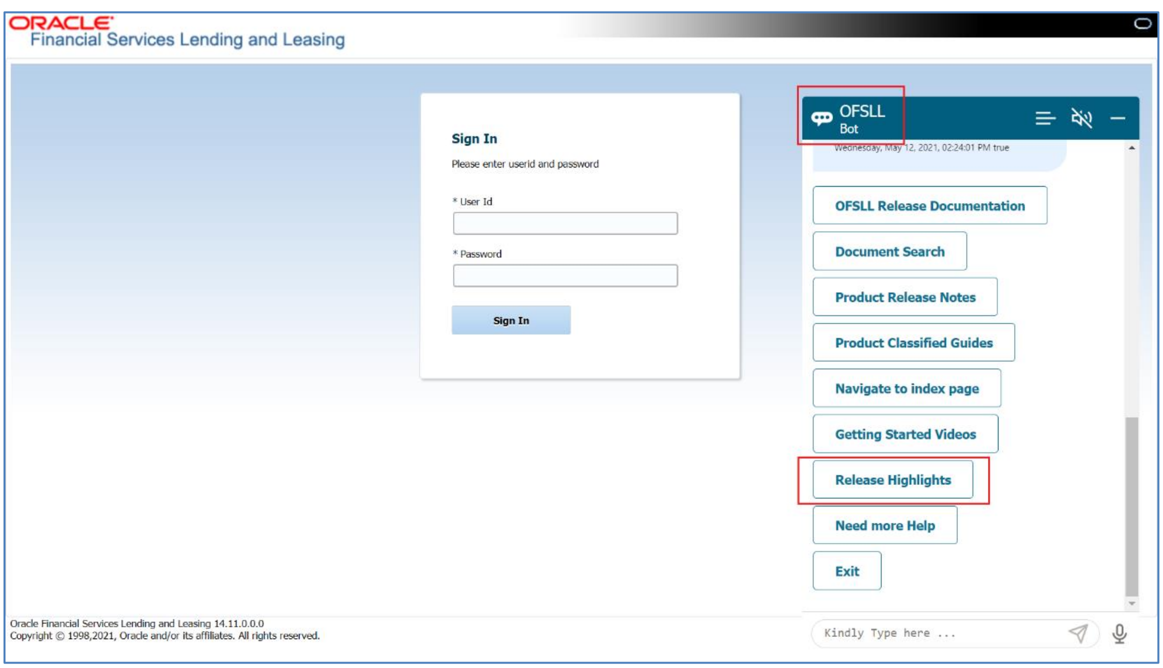
Note:

- Oracle Digital Assistant (ODA) service need to subscribe to leverage this feature.
- Chat bot feature is available from OFSLL release 14.9.0.0.0 onwards along with certain enhancements taken in subsequent releases.

2.7.2 Description

Current release consists of the following enhancements:

- Additional menu item provided as 'Quick links' for Chabot:
  - **Release Highlights**: Based on the release environment BOT provides the link to check the release highlights.
- **Floating chat bot icon**: User can change the chat bot icon position to anywhere on screen. However on click, the chat bot window opens on the right lower corner of the screen.
- **Chat bot based theme for Day light**: Based user system's time, user can configure to change the background and icon colour of chat bot.
- **Title Configuration**: Title of the chat bot is allowed to customize and show the user company name.



2.7.3 Seed Data

Refer 'Appendix: Seed Data' chapter.

3. Appendix: Seed Data

Seed data for all the impacted modules against specific enhancement is available in the below attached document.

Seed Data_14.11.xlsx

To view, you can either click on the icon or open from attached documents in left menu.

4. Patches and Bugs

Bug Id	Bug Description	Fix Description
NA	NA	NA

5. Security Fixes

-NA-

6. Limitations and Open issues

-NA-

7. Components of the Software

7.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Patch Release Notes
- Patch Installation Guide
- Installer Kit
- User Manuals and Installation manuals - These can be accessed from the link https://docs.oracle.com/cd/F40454_01/index.htm

7.2 Software Components

Software Components of this patch release are as follows:

- Core
  - UI Components Ear file (JSF, XML, XLF, JSFF)
  - Stored Procedures (Packages, Views, Java Stored procedures)
  - Reporting Components(Data models(xdm), Reports(xdo, rtf))
  - BIP / canned reports
- Interface
  - Stored Procedures (Packages, Views, Types)
  - The WSDL files for the service supported
  - XSD Structure (dictionary) for the web service
  - Configuration files for the web service
  - Java classes for the web service
  - The service documents – describing the services
  - Extensibility Document – Describes customization for the services.
- Installation utilities
  - Script based installation for Database components
  - Installation documents for Database, UI, Web services

8. Annexure – A: Environment Details

Component	Deployment option	Machine	Operating System	Software	Version
Oracle Financial Services Lending and Leasing	Centralized	Application server	Oracle Enterprise Linux 6.7+ & 7.0 (64 Bit) and Sun SPARC with Oracle Solaris 11 (64 Bit)	Oracle WebLogic Enterprise Edition(Fusion Middleware Infrastructure installer – includes ADF and RCU)	12.2.1.4.0
				Oracle JDK	1.8.0_281
				Application Development Framework	12.2.1.4.0
		Database Server		Oracle Database Enterprise Edition	19.3.0.0.0
		Reporting Server		Oracle Analytics Publisher	5.9.0
		Client Machines	Windows 10 (Patch Version 1703)	Microsoft Edge (64 Bit)	90.0.818.56 (Official Build)
				Mozilla Firefox (32 Bit)	78.10.1esr
				Google Chrome (64 Bit)	90.0.4430.93 (Official Build)
			Mac OS X	Apple Safari (64 Bit)	13.1

9. Annexure – B: Third Party Software Details

For information on Third Party Software Details, refer to Licensing guide available in OTN library – https://docs.oracle.com/cd/F40454_01/pdf/refdocs/Licensing_Guide.pdf

Patch Release Notes
Oracle Financial Services Lending and Leasing Release 14.11.0.0.0
May 2021

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