

Lease Origination Setup Guide

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Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

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

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Oracle Financial Services Lending and Leasing User Documentation

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1. Navigation

This document provides an overview of the basic template, navigation, common operations that can be performed, and keyboard short cuts available in Oracle Financial Services Lending and Leasing. Since this section details the general options available in the User Interface, some or all the parts of this section are applicable to you as per access provisions & licensing.

The document is organized into below topics:

- Logging In
- Template and Navigation
- Common Operations
- Hot Keys

Note

The application can be best viewed in 1280 x 1024 screen resolution.

1.1 Audience

This document is intended to all Prospective Users who would be working on the application.

1.2 Conventions Used

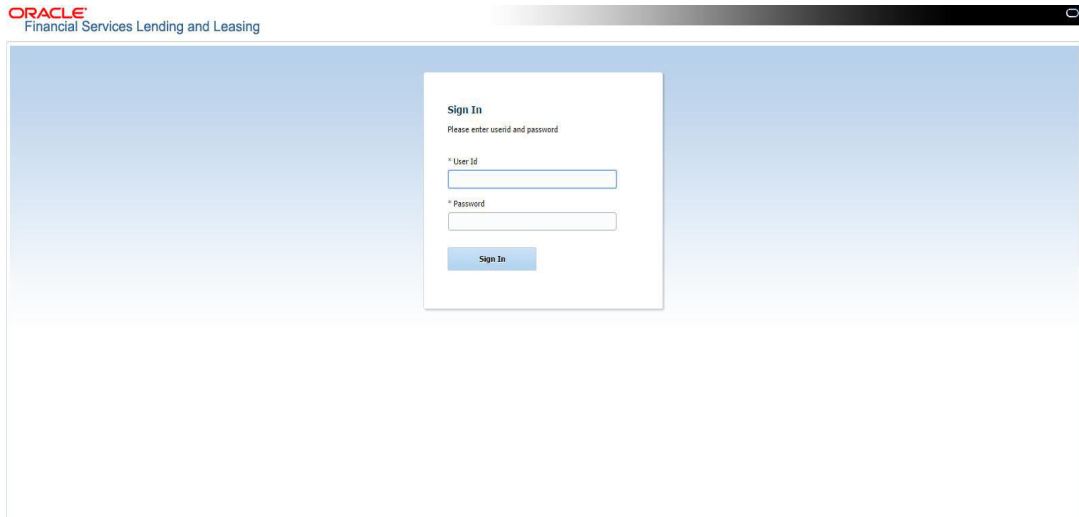
Term	Refers to
The system/application	Oracle Financial Services Lending and Leasing
Mnemonic	The underlined character of the tab or button

1.3 Logging In

The pre-requisites to log into the system are a valid user ID and a password, defined by the system administrator in Administration > User screen.

You can login to the system using a valid user ID and a password defined by the system administrator, in Administration > User screen. A User ID is disabled automatically by the system if it is inactive for a specified number of days.

When you invoke the application, the **Sign In** screen is displayed.



- **User ID** – Specify a valid User ID.
- **Password** – Specify a valid password for the specified User ID.

The system accepts the User ID and password in upper case only. After specifying valid credentials, click **Sign In** to sign into the application.

1.4 Template and Navigation

This section provides a brief input on the template and navigation of the system. Details are grouped into two categories to enable easy understanding. These include:

- Home screen
- Screens

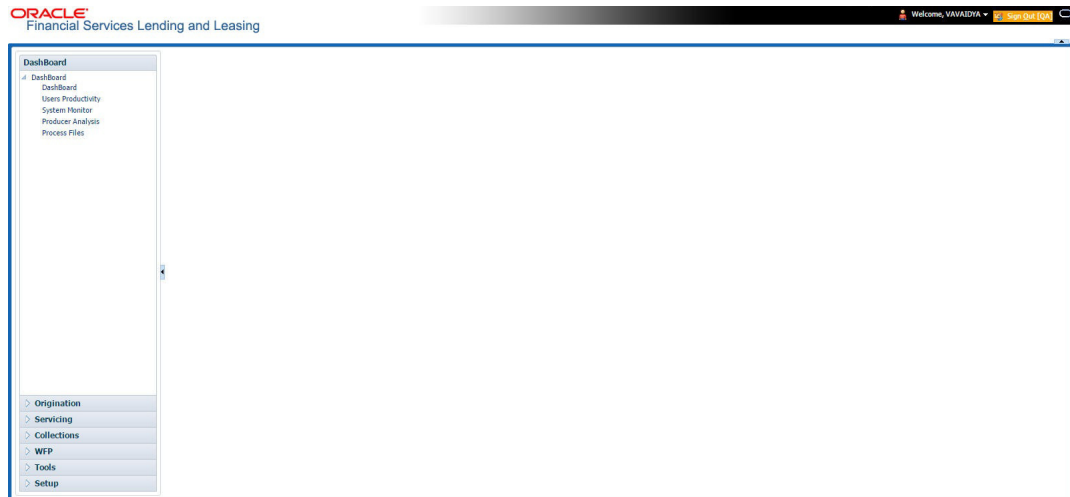
1.4.1 Home Screen

Once you login to the application with valid credentials, the system authenticates the details and displays the Home screen.

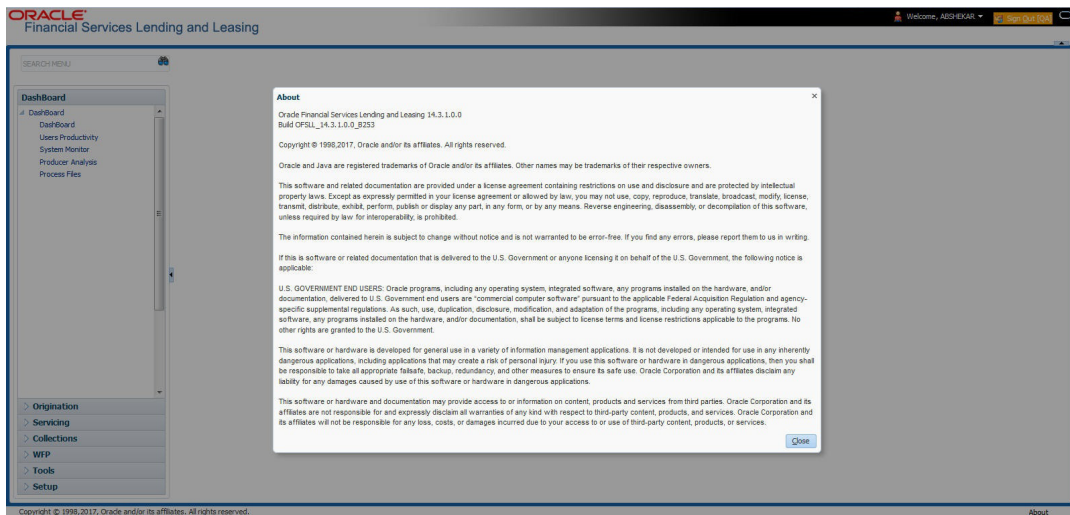
The Home screen consists of the following components:

- Header
- Left Pane

- Right Pane/Work Area



You can view the application version details and copyright information by clicking **About** link at the right corner of the screen.



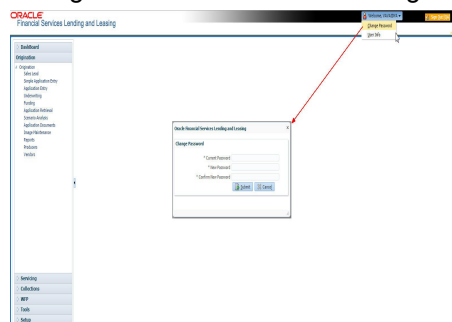
Header

In the Header, system displays the following:

- **User ID** that you have currently logged/Signed in. Click the adjoining drop-down arrow, the system displays the following options:

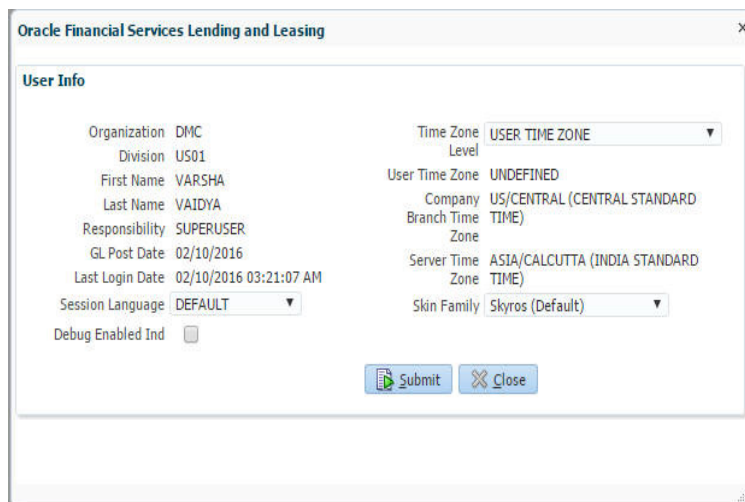


- **Change Password** – Click to change the current password.



Specify the current password in the **Current Password** field and a valid password, you wish to maintain as a new password, in the **New Password** field. Re-enter the password in **Confirm Password** field and click **Submit** to change the password.

- User Info – Click to view the current user info.



In this screen, apart from viewing the user info, you can also set Session Language, enable error log, and specify the time zone preference.


Session Language – Select a language that you need to set for the session, from the drop-down list.

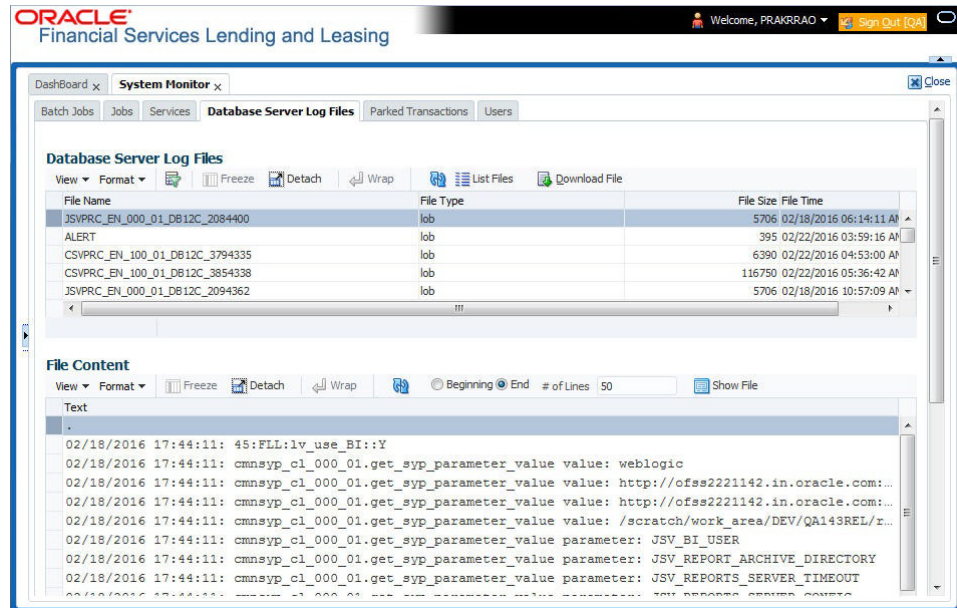
Debug Enabled Ind – Check this box to enable the debug indicator.



On selection, system records all the debugs into logs files depending on the following two types of system parameters:

System Parameter	Condition to record debug data
CMN_DEBUG_METHOD	If parameter value is 1, then debug data is recorded into a file in Database Server. If parameter value is 4, then debug data is recorded into the table LOG_FILES_HEADER.
CMN_DEBUG_LEVEL	If parameter value is greater than 0, only then the debug data is recorded.

The debug data can be viewed from Dashboard > System Monitor > Database Server Log Files.

You can click on  **List Files** button to view the list of logged files.




Click on  **Show File** button to view the selected file contents in the 'File Content' section. You can also click  **Download File** button to extract a copy of debug details.



Time Zone Level - Select the time zone preference as User/Company Branch/ Application Server Time Zone from the adjoining options list.

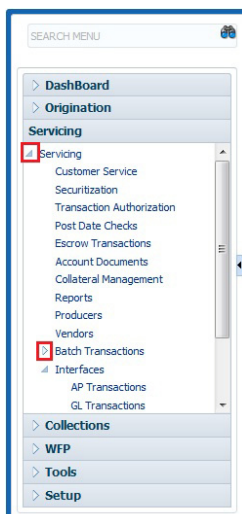
For more details on time zone selection, refer to Time Zone Preference section of this user manual.

Click **Submit** to save the changes or **Close** to close the screen without changes.

- **Accessibility** – Click the link to view accessibility features of the system.
Refer accessibility document for further details.
- **Sign Out** – Click the link to sign off from the application. You can also click on  icon to sign off from the application.

Left Window

In the left pane, system lists and provides drop-down links for various modules available in the product. Click  to expand the Module Master Tabs and  to collapse them.

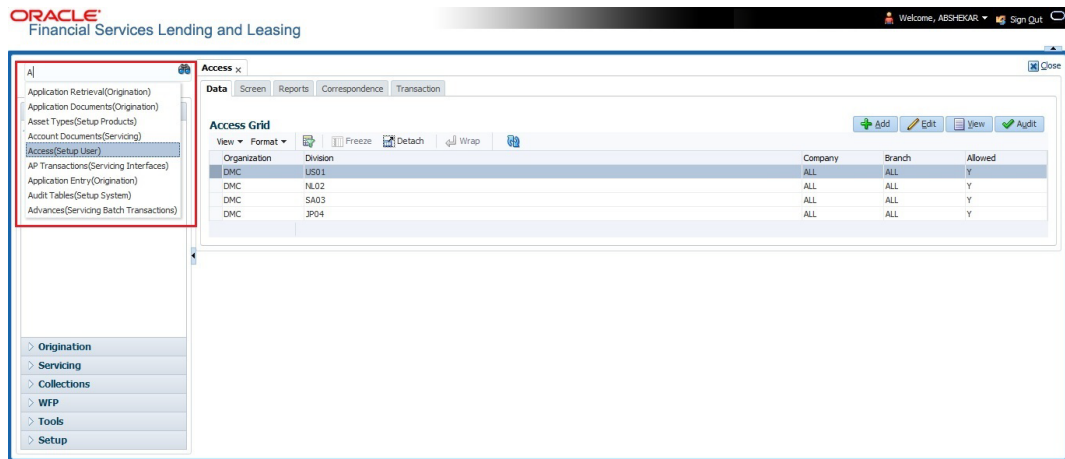


To open a screen, navigate to Module Master Tab to which the screen belongs, expand the tabs, and click the screen link you wish to open.

Menu Search in Left Window

In the left window you can make use of the search option to directly search and open the screen that you are familiar with, and avoid multiple steps of navigation from the LHS menu.

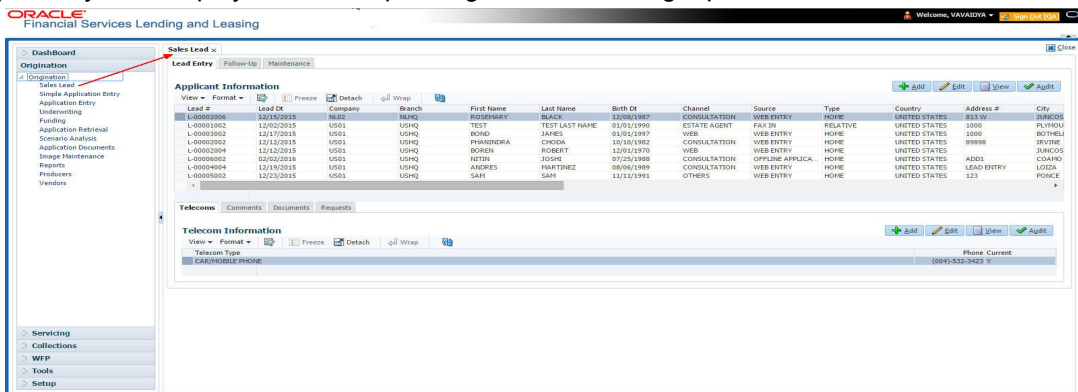
The Search box in the LHS facilitates for an intuitive search of required screens in Oracle Financial Services Lending and Leasing. For example, on typing the first letter of the screen, the search box displays a list of all available screens starting with the letter entered in alphabetical order. You can click on the required screen and press 'Enter'. The screen is displayed in the main window/work area.



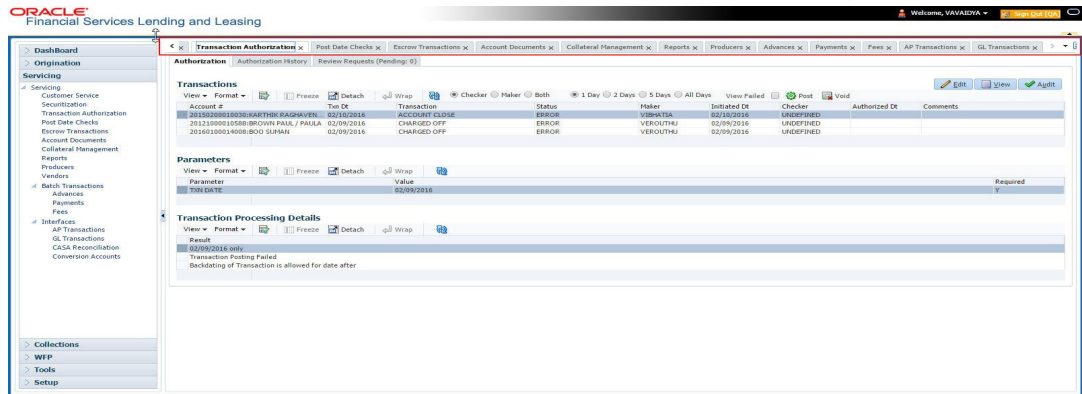
When there are multiple matches with same screen name, you can filter the results through the module from which the screen is accessed which is indicated in angular brackets. For example typing 'VEN' displays the following options for selection - Vendors(Collections), Vendors(Origination), Vendors(Servicing), Vendors(Setup System). For subsequent search, you need to clear the data in the search field.

Right Window

The Right Window can also be termed as work area. When you click the screen link on left pane, system displays the corresponding screen in the right pane.



You can open a maximum of 15 screens at a go. Once the maximum limit is reached, the system displays an error message.





Each active screen is displayed as a tab at the top of right pane, across its width. To view a screen, click the screen tab. You can identify the active screen with its white background. Also, operation on any of the screen will not affect the data in other screens.

Few screens in are identical and are linked. Hence, when multi tab option is not enabled, you can open only one screen at a time from the group. A sample of the grouping structure is given below, based on stages of the screens:

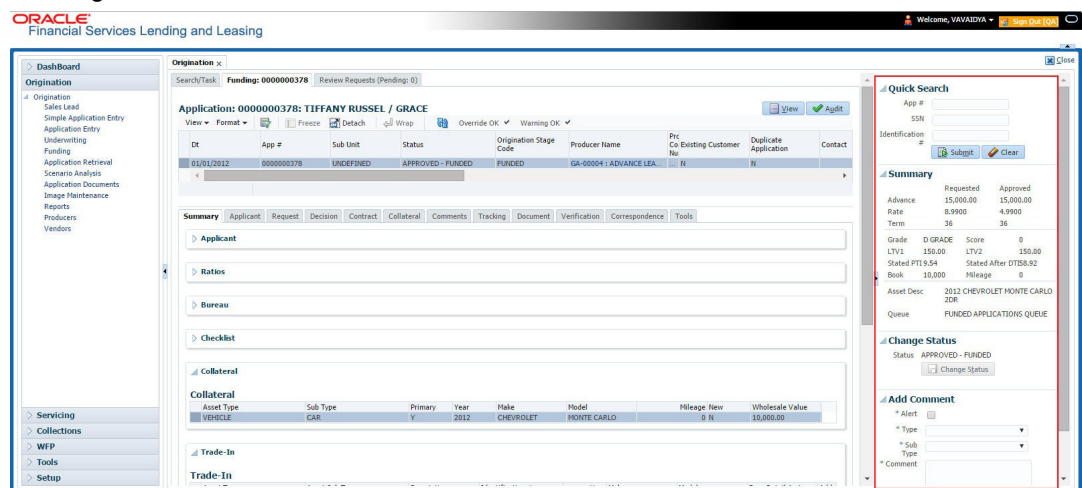
As per the above listing, you will be able to open only one screen in the corresponding list and need to close the same to open any other screen.

Right Splitter/Action Window

The Right Splitter/Action Window has quick access to search and other options to avoid switching between tabs or navigating into sub tabs periodically. You can access the Right Splitter/Action Window while working on an Application or Customer Service screens. You can click  and  to toggle the view of Right Splitter/Action Window.

Origination Screens

In Origination > Application screens, you can use the Right Splitter/Action Window to do the following:



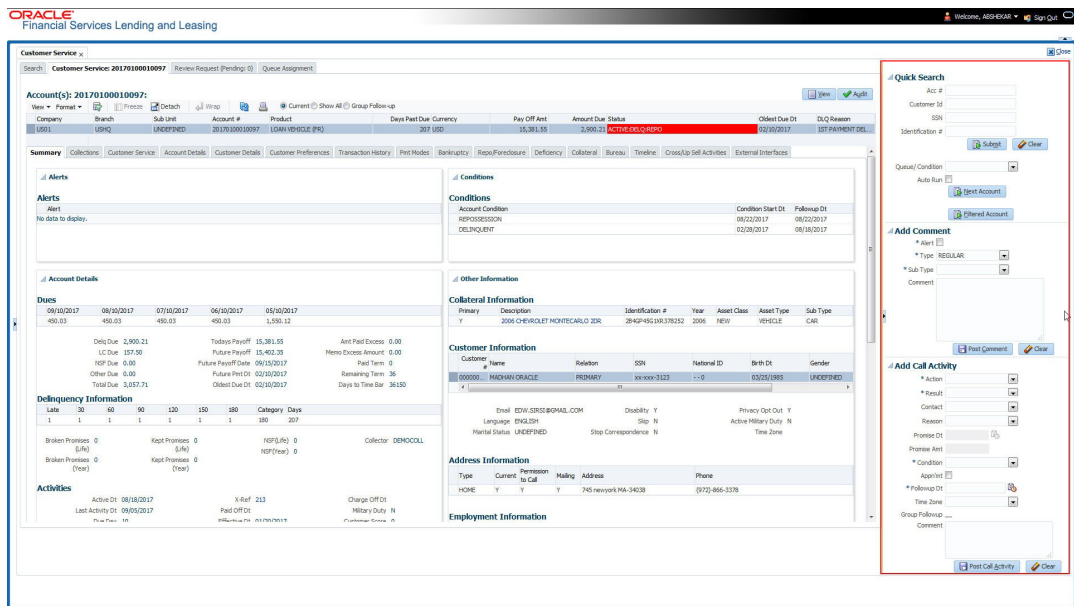
- Use **Quick Search** to search for an application based on application number, last 4 digits of SSN (SSN of the primary applicant) or identification number. If multiple applications or accounts are found during 'Identification #' search, the system displays an error message as "Multiple Matches found for the Identification #, Please use normal Search".

- **Summary** section displays critical information that has to be referred repeatedly during origination like – DTI, PTI, Book Value, Grade, FICO Score, Approved Advance, Rate and Term.
- Use **Change Status** section to change the application status to next level. If the application edit status is restricted, then the ‘Change Status’ will be read-only.
- Use **Add Comment** section to post an alert or comment during Underwriting and Funding stages.

For detailed information on the above options, refer to respective sections in the document.

Servicing and Collection Screens

In Servicing and Collection > Customer Service screens, you can use the Right Splitter/Action Window to do the following:



- Use **Quick Search** to search for an account based on account number, or customer Id, or last 4 digits of SSN (SSN of the primary applicant) or identification number. If multiple applications or accounts are found during ‘Identification #’ search, the system displays an error message as “Multiple Matches found for the Identification #, Please use normal Search”. You can also select the Queue Condition and Auto Run options during search. Clicking ‘Next Account’ button opens the subsequent account listed in search and clicking ‘Filtered Account’ opens the subsequent account fetched during a queue search and listed in Queue Assignment section.
 - Use **Add Comment** section to post an alert or comment based on Type and Sub Type.
 - Use **Add Call Activity** section to post all types of call activities including promise to pay, account conditions and so on, irrespective of the screen you are working on. This is similar to the option available in ‘Call Activities sub tab’ under Customer Service tab.
- For detailed information on the above options, refer to respective sections in the document.

The height of Header and width of the Left and Right Panes do not change, with resizing of application screen.

The system facilitates toggling Header and Left and Right Panes of the home screen to increase the visible area of the screens. Click  to toggle upper pane and  to toggle left pane. To un-toggle click  and  respectively.

1.4.1.1 Time Zone Preference

User Info	
Organization	DMC
Division	US01
First Name	VARSHA
Last Name	VAIDYA
Responsibility	SUPERUSER
GL Post Date	02/10/2016
Last Login Date	02/10/2016 03:21:07 AM
Session Language	DEFAULT
Debug Enabled Ind	<input type="checkbox"/>
Time Zone	USER TIME ZONE
Level	
User Time Zone	UNDEFINED
Company	US/CENTRAL (CENTRAL STANDARD TIME)
Branch Time Zone	
Server Time Zone	ASIA/CALCUTTA (INDIA STANDARD TIME)
Skin Family	Skyros (Default)

You can select any of the following three time zones from the User Info screen:

- Application Server Time Zone
- Company Branch Time Zone
- User Time Zone

The time zones set up at each of these levels are displayed in the user info screen. However, data is always stored in the application server time zone and based on the user preference of time zone, the display time would be User or Company or Application Server time zone. Any time zone related changes done at UI does not impact the other time bound activities which are dependant on database time.

Application Server Time Zone (Server Time Zone)

The Application Server Time Zone by default is the Production Server Time Zone. Selecting this time zone will have all date and time fields defined as per the time stored in application server. There is no offset in time if both storage (database server) and display (application server) are in the same time zone.

Company Branch Time Zone (Organization - Division Time Zone)

This is the Company time zone and is setup at the organization - division definition level. The various divisions defined under an organization can be set up with different time zones depending on geographical locations. This time can be modified as per requirement.

To modify the Company Branch Time Zone:

- Navigate to Setup > Administration > User > Organization and select the company or division listed under 'Division Definition'.
- In the Display Formats tab, select **Time Zone** and click 'Edit'.
- In the Format field, select the required time zone from the adjoining options list and click 'Save'.

If 'Company Branch Time Zone' is selected as the time zone in User Info screen, then on save, all the time and date fields are automatically updated with the time zone of the company branch.

User Time Zone

User Time Zone or User Preference Time Zone can be set up at the User Level in the User Definition screen. Various Users under same divisions defined under an organization can be set up with different time zones depending on geographical locations.

To modify the User Time Zone:

- Navigate to Setup > Administration > User > Users.
- Select the required User record listed in “User Definition” section and click **Edit**.
- In the Time Zone field, select the required time zone from the adjoining options list and click **Save**.

If 'User Time Zone' is selected as the time zone in User Info screen, then on save, all the time and date fields are automatically updated with the current updated time.

1.4.2 Screens

Details in few main screens are grouped into different sections. These sections are displayed as tabs, horizontally within the screen. In turn, details in few of these tabs are again grouped horizontally. The details are displayed when you click the tab under which they are grouped. As similar to the main screen tabs, you can identify the active tab with its white background.

For example, Customer Service main screen has four main tabs. When you click on ‘Customer Service’ tab, the corresponding tabs are displayed.

The screenshot displays the Oracle Customer Service interface for account 20120200010231, YUTAKA OZAKA / AKANE. The account details table shows a LEASE VEHICLE product with a status of ACTIVE. The Call Activities section shows a list of activities, including one with a result of PH and a reason of ANSWERING MACHINE.

Company	Branch	Sub Unit	Account #	Product	Days Past Due	Currency	Pay Off Amt	Amount Due	Status	Oldest Due Dt
US01	USR1	UNDEFINED	20120200010231	LEASE VEHICLE	0	USD	0.00	0.00	ACTIVE	02/10/2015

Action	Result	Contact	Reason	Cancel	Promise Dt	Promise Amt	Condition	Appointr Followup Dt	Time Zone	Adj Followup Dt	Corr
AT	PH	ANSWERING MACHINE		N	12/30/2015	1,000.00	NONE	N	12/30/2015	12/29/2015 12:30:00 PM	
AT	PH	ANSWERING MACHINE		N	12/30/2015	1,000.00	NONE	N	12/30/2015	12/29/2015 12:30:00 PM	

You can click to view the hidden tabs, if any.

1.5 Common Operations

Some of the operations are common to most of the screens. These are grouped into three categories, based on their features.

- Basic Operations
- Basic Actions
- Personalization Options
- De-supported Special characters
- Skip Zip Code Validation
- Export data to Excel

1.5.1 Basic Operations

All the screens contain buttons to perform all or few of the basic operations. The four basic operations available are:

- Add
- Edit
- View

- Audit



When you click any of the operation tabs, system displays the corresponding records inline, below the respective setup tables.

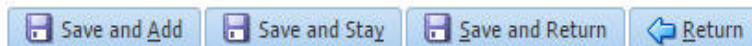
The table below gives a snapshot of them:

Basic Operation	Description
Add	Click to add a new record. When you click Add , the system displays a new record enabling you to specify the required data. It is mandatory to specify details for the fields marked with '*' symbol.
Edit	Click to edit an existing record. Select the record you want to edit and click 'Edit'. The system displays an existing record in editable mode. Edit the required details.
View	Click to view an existing record. Select the record you want to view and click 'View'. The system displays the record details in display mode.
Audit	Click to view audit info. If an audit is set for a field, then the system tracks the changes for that field. Select the record for which you want to view the audit info and click 'Audit'. The system displays the details tracked for that field.
Close	Click to close a screen or a record. When you try to close an unsaved, modified record, then the system alerts you with an error message. You can click 'Yes' to continue and 'No' to save the record.

1.5.2 Basic Actions

Most of the screens contain buttons to perform all or few of the basic actions.





All or few of these actions are enabled when you select any of the Basic Operations.






The table below gives a snapshot of them:

Basic Actions	Description
Save And Add	Click to save and add a new record. This button is displayed when you click 'Add' button.
Save and Stay	Click to save and remain in the same page. This button is displayed when you click 'Add/Edit' button.
Save And Return	Click to save and return to main screen. This button is displayed when you click 'Add' or 'Edit' buttons.
Return	Click to return to main screen without modifications. This button is displayed when you click 'Add', 'Edit' or 'View' buttons.

The summary screens consist of the following navigations. The table below gives a snapshot of them:

Basic Actions	Description
	Click to navigate to the first record.
	Click to navigate to the previous record.
	Click to navigate to the next record.
	Click to navigate the last record.

Along with the basic actions, the following buttons are available for specific actions. The table below gives a snapshot of them:

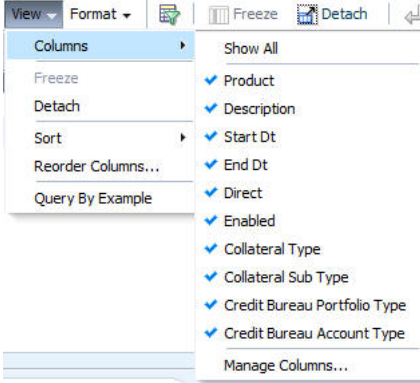
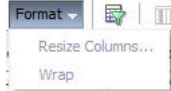
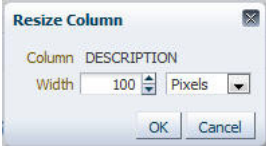
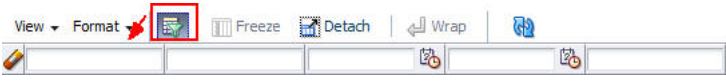
Basic Actions	Description
	Show File - Click to view the details of selected file.
	List Files - Click to generate and view the list of files maintained in the system.
	Download File - Click to download the details of selected data.

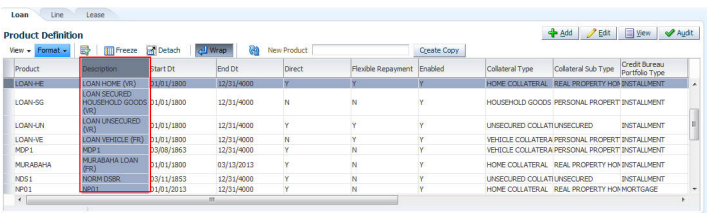

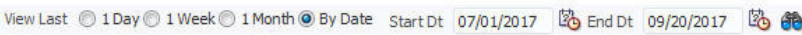
1.5.3 Personalization Options

You can personalize the data displayed in setup tables. Once personalized, system saves the settings for that User ID until next personalization.




The table below gives a snapshot of them:

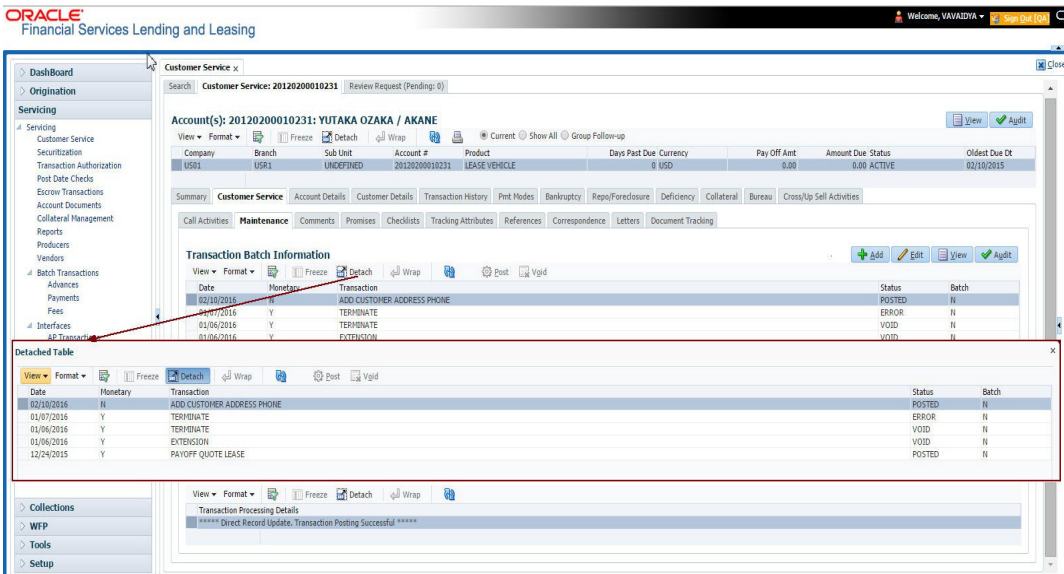
Options	Description
View	<p>Click to personalize your view. The drop-down list provides the following options of customization:</p> <ul style="list-style-type: none"> • Customize columns you wish to view • Sort the order of displayed data • Reorder columns <p>Additionally, the drop-down list provides selection of options adjoining 'View'.</p> 
Format	<p>Click to resize columns or wrap a data in the table cells.</p>  <p>Select the column you need to resize and select Resize Columns option from the Format drop-down list.</p>  <p>Specify the Width and unit for the selected column. Click OK to apply changes and Cancel to revert.</p>
Query by Example	<p>Click to query for the data by an example. When this option is selected, the system displays an empty row above column heads. You can specify all or any of the details of the record you wish to query.</p> 
Freeze	<p>Select the column at which you need to freeze the table and click Freeze. Function is similar to the freeze option in MS excel.</p>
Detach	<p>Click to detach the setup table from the screen. An example of the detached table is provided below.</p>

Options	Description
Wrap	Select the column in which the data needs to be wrapped and click Wrap . 
	Click to refresh the data in the table.
View Last	For usability and performance, some of the data intensive screens have 'View Last' option to sort the volume of data being displayed on screen based on elapsed days.  You can select the 'View Last' option as 1 Day / 1 Week / 1 Month / By Date. When 'By Date' is selected you can specify a date range (within 3 months) in 'Start Dt' and 'End Dt' fields using the adjoining calendar and clicking 'Search'.

Print option in Customer Service screen

The Print button  option in Customer Service/Collection screen facilitates you to print the contents on the screen as is without scroll bars. This button is available along with other options in the Action block. Clicking on this provides a browser print functionality and a new tab is opened where the print content is displayed.

Detach



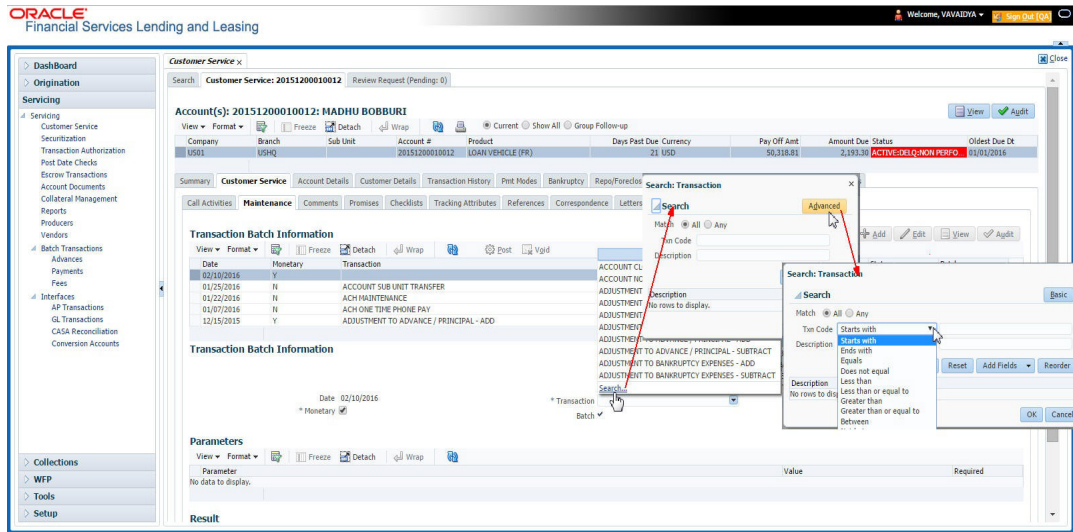
The screenshot shows the Oracle Financial Services Lending and Leasing interface. The main window displays 'Customer Service' for account 20120200010231, belonging to YUTAKA OZAKA / AKANE. A table titled 'Transaction Batch Information' is visible, with columns for Date, Monetary, Transaction, Status, and Batch. A 'Detached Table' window is open below, showing the same data in a larger format. The 'View' button in the detached table is highlighted with a red box.

Click 'Add', 'Edit' or 'View' button to open a new screen in expanded mode with details.

Drop-down List

The system provides an option to select the required data from LOV, for few fields. You can either select the record from list or enter first alphabet of the value you want. When you provide the alphabet, system limits the selection to the values starting with the specified alphabet. These lists are grouped into two types:

- Drop-down list – Provides the selection option. You can either select a record from the list or enter first alphabet of the required value.
- Combo drop-down list – The LOV contains huge data and provides both selection and search option. These drop-down arrows are smaller in size, when compared to normal drop-down arrows, thus enabling easy identification.

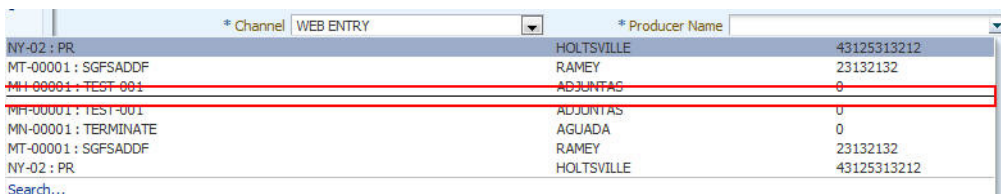


Click the arrow button available before 'Search' to toggle the search options.

Buttons/Menus	Do this
Basic	Click 'Basic' for normal search.
Advanced	Click 'Advanced' for advanced search. In this mode, you can select the search option from drop-down list adjoining the search criteria. Selected record will be highlighted (Hover to select).
Match	Select 'All' to display results exactly matching the specified characters. Select 'Any' to display results matching any of the specified characters.
Search	Click to search for values based on the specified search criteria. The search results are displayed below with the details in respective columns.
Reset	Click to reset the search criteria.
Add Fields	Click to add additional fields to search criteria.

The search criteria are provided below the 'Match' field. These criteria vary based on the Field for which the search is executed.

Also, the system remembers your recent search options and demarcates them from the actual ones.



Comments

In all the user input screens wherever comments are accepted, the system allows an input of 4000 characters of information in the comment(s) field.

1.5.4 De-supported Special characters

OFSLL 'does not' support the following special characters while accepting data through UI, web service and file upload process.

<>{}|\^>[]`

Hence, ensure that the same is not used while processing any input data in the system.

1.5.5 Skip Zip Code Validation

While accepting data for interdependent fields through User Interface, OFSLL validates and auto-populates the values for subsequent fields based on previous selection.

Accordingly, when a specific 'Country' is selected from drop-down list which is populated based on COUNTRY_CD (COUNTRY CODE) lookup code, OFSLL validates and populates the list of corresponding zip codes maintained in Zip Code setup.

However, in case the zip code validation is to be skipped for a specific Country, then define the Sub Code as NO_ZIP_VAL against the COUNTRY_CD in lookups screen as indicated below:

The screenshot shows the 'Lookups' window with two sections: 'Lookup Type' and 'Lookup Code'. In the 'Lookup Code' section, there is a table with columns: Lookup Code, Description, Sort, Sub Code, System Defined Yes/No, and Enabled. The following table represents the data shown in the screenshot:

Lookup Code	Description	Sort	Sub Code	System Defined Yes/No	Enabled
UK	UNITED KINGDOM	1	NO_ZIP_VAL	Yes	Y
SG	SINGAPORE	1	NO_ZIP_VAL	Yes	Y

On Selecting that particular Country from drop-down in any of the UI screen, only the default value '0000000000' is available for Zip field drop-down list. On selecting the same, the City and State fields are set as UNDEFINED.

The screenshot shows the 'Producer Details' form. The 'Country' field is set to 'UNITED KINGDOM'. The 'Zip' field is set to '0000000000'. The 'City' and 'State' fields are set to 'UNDEFINED'. The 'Subvention Participation' section is also visible.

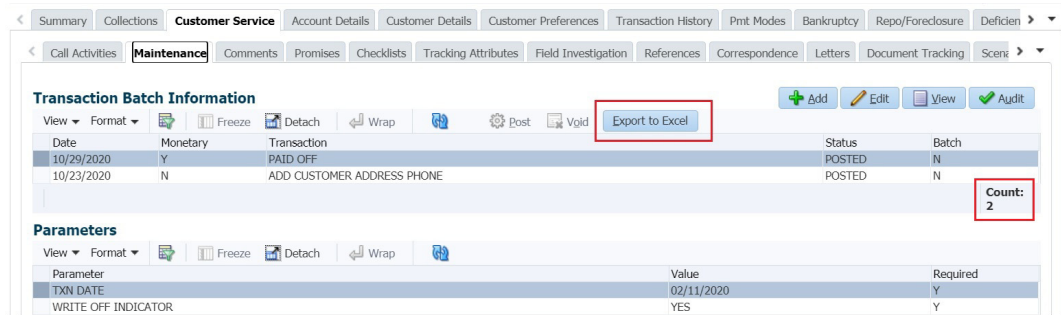
Note

Skipping zip code validation has significant impact in the system since the change impacts all the UI screens - Setup screens, Origination, Servicing and Collection module screens, Interface, Customer Credit Limit, Collateral Management, and so on. Hence it is recommended to be done with careful consideration and OFSLL is not responsible for any impact/mismatch resulting out of this change.

1.5.6 Export data to Excel

While working on any of the screens in User Interface, OFSLL provides a flexibility to Export the data that is displayed on screen to an Excel file. This helps to download and view the data offline especially with data intensive screens.

Clicking 'Export to Excel' option provides option to save the data to .xls file.



The screenshot shows the 'Customer Service' interface with the 'Maintenance' tab selected. The 'Transaction Batch Information' table is displayed with the following data:

Date	Monetary	Transaction	Status	Batch
10/29/2020	Y	PAID OFF	POSTED	N
10/23/2020	N	ADD CUSTOMER ADDRESS PHONE	POSTED	N

The 'Export to Excel' button is highlighted with a red box. A 'Count: 2' label is also highlighted with a red box in the bottom right corner of the table.

Below the table, the 'Parameters' section is visible with the following data:

Parameter	Value	Required
TXN DATE	02/11/2020	Y
WRITE OFF INDICATOR	YES	Y

However, 'Export to Excel' option is currently available only to following screens and is also access controlled depending on configuration defined in setup.

- Queues/Search Results - Origination, Servicing, and Collections
- Account Information
- Balances
- Call Activities
- Maintenance
- Promises
- Due Date History
- Collateral
- Tracking Attributes
- Condition Details / Condition / Queue History

In addition, OFSLL displays the total count of records fetched from database. The count is displayed in the right bottom corner of records table. However, note that this is not the total count of all the records in the database but only the records which are fetched based on specific selection. For example, if there are 50,000 records in database and UI is fetching 1,000 records, then the count is displayed as 1,000.

1.6 Keyboard Compatibility

The system facilitates keyboard compatibility. You can perform most of your tasks using keyboard short cuts also termed as 'Hot Keys'. These hot keys are single keyboards or a combination of keyboards. The available options are listed below:

1. **Shift + Alt** + mnemonic to activate buttons in the screen. For example, to open 'Accessibility' screen, press '**Shift + Alt + y**'.

2. **Tab** for forward navigation in the application. **Shift + Tab** for backward navigation in the application. When the required link/tab/button/field is highlighted, press enter on the keyboard to edit.
3. **Space bar** to check or uncheck 'Check Box'.
4. **Arrow Keys** to hover within the drop-down list.

1.6.1 Keyboard Compatibility

The application is made compatible with keyboard only-operations. However, there is a change in key combination based on the browser on which the application is running.

Browser	Operating System	Key Combination	Action
Google Chrome	Linux	Alt + mnemonic	Click
Google Chrome	Mac OS X	Control + Option + mnemonic	Click
Google Chrome	Windows	Alt + mnemonic	Click
Mozilla Firefox	Linux	Alt + Shift + mnemonic	Click
Mozilla Firefox	Mac OS X	Control + mnemonic	Click
Mozilla Firefox	Windows	Alt + Shift + mnemonic	Click
Microsoft Internet Explorer 7	Windows	Alt + mnemonic	Set focus
Microsoft Internet Explorer 8	Windows	Alt + mnemonic	Click or set focus
Apple Safari	Windows	Alt + mnemonic	Click
Apple Safari	Mac OS X	Control + Option + mnemonic	Click

Also, one can use the following keyboard shortcuts in order to increase or decrease the zoom level.

Shortcut	Action
Ctrl++	To increase zoom level.
Ctrl+-	To decrease zoom level.
Ctrl+0	To set zoom level to default level.

1.7 Tool Tips

The system is facilitated with tool tip option. When the cursor is moved to any of the field in the screen, a popup is displayed with a tip on the action to be performed.

1.8 Accessibility

1.8.1 Understanding Accessibility

Accessibility is making the application usable for multiple user groups, which includes users with physical challenges. One of the most important reasons to make the application accessible is to provide them the opportunity to work. The four main categories of disabilities are visual, hearing, mobility and cognitive.

A person with disability might encounter one or more barriers that can be eliminated or minimized by making the electronic information user-friendly and approachable.

1.8.2 Application Accessibility Preferences

Oracle Financial Services Lending and Leasing is facilitated with the feature of Accessibility to make the application more usable for the people who are differently abled.

By default, the following accessibility options are provided and there is no need to define special accessibility preference in the application:

- The application user interface contents are readily accessible for all types of users without the need to select special accessibility modes.
- The components within the user interface are optimized for use with a screen reader by default.
- The contents are zoomable by default, eliminating the need for an application large fonts mode.
- The user interface components auto-detect if operating system (OS) is set to high contrast mode and automatically render content that is compatible with OS high contrast, eliminating the need for an application high contrast mode.

Note that, Oracle Financial Services Lending and Leasing application user interface is built on Oracle Application Development Framework (ADF) and the default accessibility feature supported by ADF are made available. For additional information, refer to ADF documentation on accessibility preferences.

1.8.3 Documentation Accessibility Preferences

Apart from assigning the logical sequence and organizing topics, the following techniques are used to enhance the accessibility of documentation.

- Addition of text equivalent to all graphics
- Usage of standard fonts and avoiding shadow or reversed text
- Usage of strong foreground and background color contrast
- Color usages as per Oracle Accessibility guidelines have been ensured
- Usage of styles and formatting elements
- Documentation in simple language to ensure easy understanding
- Including accurate and effective navigational features, such as cross-reference, tables of content and bookmarks as appropriate

2. Administration System

In **Administration > System**, you can record setup data related to the application's overall functionality and performance. This data affects;

- The mechanics of the system
- The processes of the system
- The search for Location of files to complete the tasks.

Navigating to Administration System

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Administration > System**

The System drop-down link records the following data:

- System Parameters
- Lookups
- User Defined Tables
- Audit Tables
- User Defined Parameters
- Transaction Codes
- Data Files
- Events
- Batch Jobs
- Reports
- Error Messages
- Translations
- Label Configuration
- Seed Data
- Data Masking
- Webhook

Using these parameters, you can control the behavior of the system from a technical perspective. For example, determine parameter values, define what information is audited, and record default values. The product provides default values for all these screens.

2.1 System Parameters

System parameters define information or values used throughout the system. They act as switches that control the manner in which a function is implemented, or whether or not the system performs a particular task. Parameters are used throughout the system to control everything from user access to what information is stored on any given form. Parameters also define configuration data, such as the location of the system files, the URLs for the report and image servers, and other administration controlled data. Some of the system parameters are setup when the system is installed, but the values associated with the parameters need to be reviewed and maintained.

There are three types of parameters in the system, grouped by what part of the system they affect:

Parameter Type:	Parameter Range:
System parameters	These parameters apply to the entire system. Examples: batch processes, archiving, aging.
Organization parameters	These parameters apply to the organization, division, and user responsibility. Examples: User login control, password expiration.
Company parameters	These parameters apply to the company and branch. Examples: decision fax control, scoring model.

Hence, the System Parameters screen contains the following three tabs:

- System Parameters
- Organization Parameters
- Company Parameters

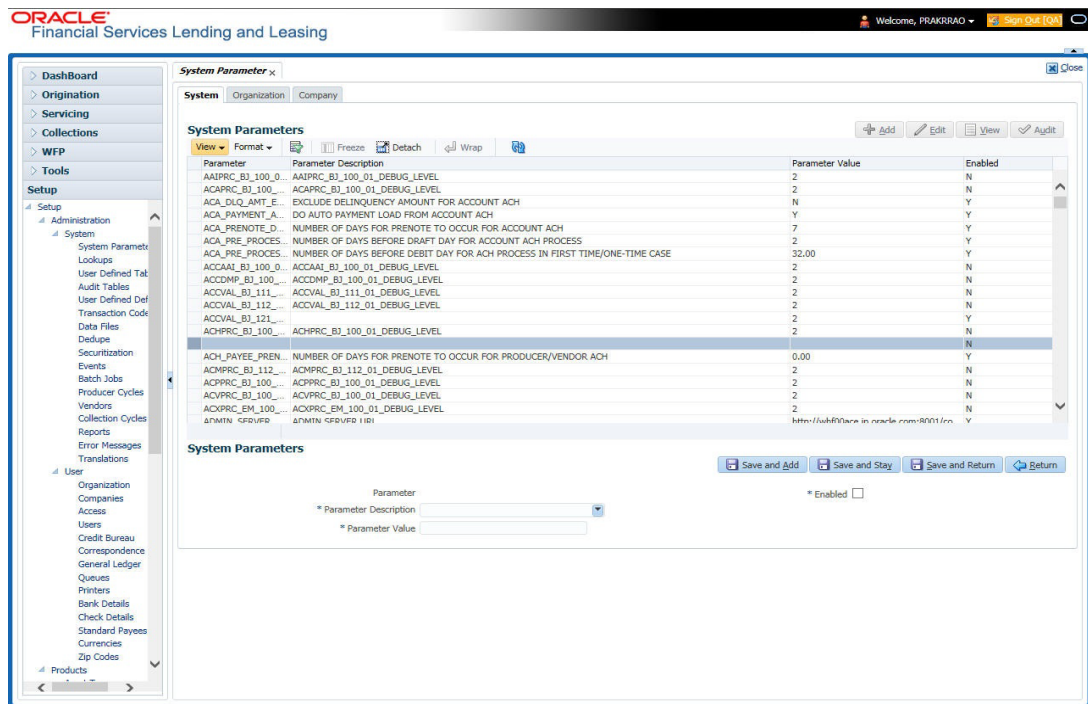
2.1.1 System Parameters Setup

The System Parameters Setup screen displays and records each system wide parameter, along with its current value and whether or not it is enabled. These parameters relate to the overall processing of the system, such as application server file locations and data purging configuration.

To set up the System Parameters

1. Click **Setup > Setup > Administration > System > System Parameters > System**. The system displays the **System Parameter** screen

- In the **System Parameters** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this
Parameter	System parameter of the specified parameter description is displayed here.
Parameter Description	Select the description of system parameter from the drop-down list.
Parameter Value	Specify the value for the system parameter (required).
Enabled	Check this box to enable the parameter.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

For a detailed list of available parameters, refer to Appendix [“System Parameters”](#) chapter.

2.1.1.1 FCUBS Integration

Oracle Financial Services Lending and Leasing (OFSLL) is integrated with Oracle FLEXCUBE Universal Banking System (FCUBS) with the capability to integrate the centralized CIF (Customer Information Files), ELCM (Enterprise Limits and Collateral Management) and CASA (Current Account and Savings Account) modules.

To work with the integrated environment functionalities, you need to enable the following core banking indicator.

Parameter	Parameter Description
CMN_CORE_BANK	CORE BANKING INTERFACE INDICATOR

Note

Re-qualification is pending for Core and Direct Banking Integration.

For detailed information about integration changes, you can refer to 'FCUBS Integration Documents' section at OTN library (http://docs.oracle.com/cd/E59770_01/homepage.htm).

2.1.2 **Organization Parameters**

The Organization parameters control the system functions related to user log in, such as passwords and expiration dates, responsibility levels and the ability to access the system features. Individual parameters can be created with different values for uniquely defined organizations, divisions, and responsibility combinations.

When determining which parameter to use, the system selects the best match based on a hierarchical sort by the Organization, Division, and Responsibility fields, with values of ALL being a lower order match than an exact match.

For example:

Assume the organization parameter `UIX_APP_VIEW_ALL_APPS` (VIEW ALL APPLICATIONS) is as follows:

- If a user belongs to an organization as 'DMC' with a responsibility of SUPERUSER and is using the Underwriting screen of Lending menu, the system will return with a value N, and the system will not allow the user to view all applications.
- If the user belongs to any organization with a responsibility of SUPERUSER, and is using the Underwriting screen of Lending menu, the system will return with a value Y, and the system will allow the user to view all applications.

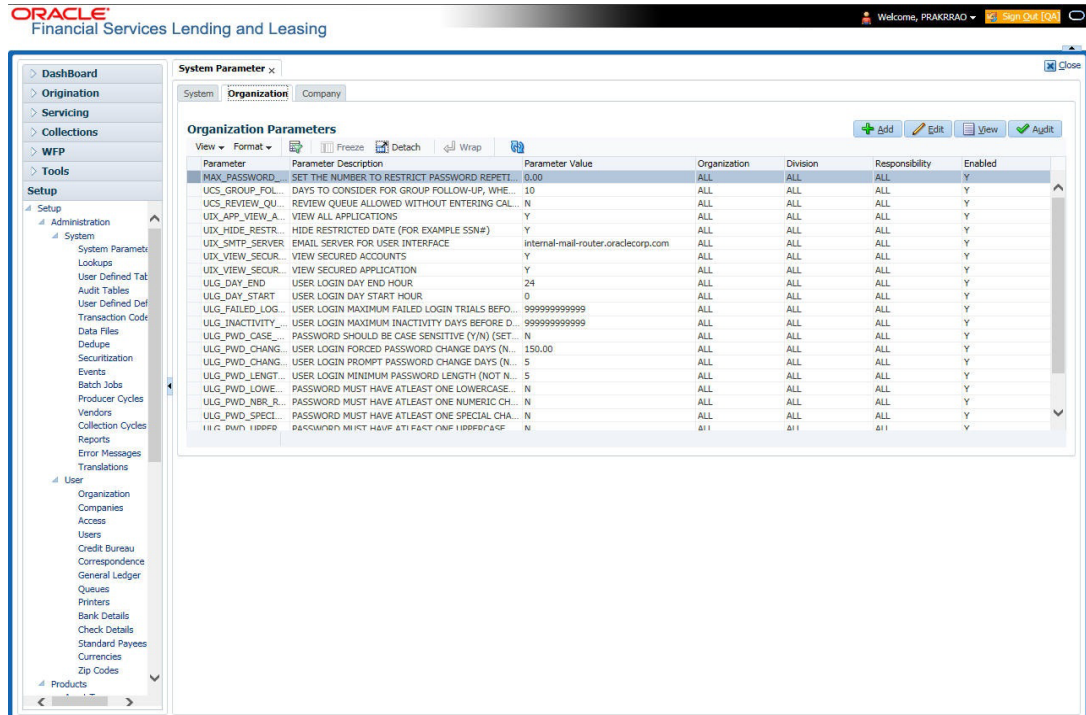
Note

Be aware that while the system allows for Organization parameters to be defined at all three hierarchical (organization, division, and responsibility) levels, not all will be applicable to each parameter. For example, while you can define the `UIX_SMTP_SERVER` (EMAIL SERVER FOR USER) for a responsibility, you would normally want only to define this parameter based on organization or division.

To set up the Organization Parameters

1. Click **Setup > Setup > Administration > System > System Parameters > Organization** tab.

2. In the **Organization Parameters** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Parameter	Parameter of the specified parameter description is displayed here.
Parameter Description	Select the description of system parameter from the drop-down list.
Parameter Value	Specify the value for the system parameter.
Organization	Select the organization for which the parameter will be valid from the drop-down list.
Division	Select the department for which the parameter will be valid from the drop-down list.
Responsibility	Select the responsibility for which the parameter will be valid from the drop-down list. IMPORTANT: In selecting which organization parameter to use, the system searches for a best match using the following attributes: <ol style="list-style-type: none"> 1. Organization 2. Division 3. Responsibility Hence, Oracle Financial Services Software recommends creating a version of each organization parameter, where ALL is these fields.
Enabled	Check this box to enable the parameter.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

For a detailed list of available parameters, refer to Appendix “[System Parameters](#)” chapter.

2.1.3 Company Parameters

The Company parameters control the system processes associated with functions that may vary for different companies or branches. These parameters address credit scoring, credit bureau interfaces, fax services, and fax generation. Individual parameters may be set up with different values for uniquely defined company and branch combinations.

When these parameters values are requested by the system, the system responds with the “best” match based on a hierarchical sort ordered on company and branch fields, with values of ALL being a lower order match than an exact match. For example, assume the company parameter `UIX_RUN_AAI_ACT` (ONLINE ACCOUNT CREATION AND ACTIVATION) has been defined as:

The system uses these two parameters to determine whether to create and activate an account online.

- When processing items for the company US01, the system will return a value N and not create and activate an account online.
- When processing items for the company other than US01 and within the value ALL, the system will return with a value Y and create and activate an account online.

To set up the Company Parameters

1. Click **Setup > Setup > Administration > System > System Parameters > Company** tab.
2. On the **Company Parameters** screen, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

The screenshot displays the Oracle Financial Services Lending and Leasing interface. The main window is titled 'System Parameter' and is set to the 'Company' tab. A table of 'Company Parameters' is visible, listing various parameters such as 'AUD_ADV_REASO...', 'AUD_SCORING_M...', 'AUD_SCORING_M...', 'CBU_DATA_SET_S...', 'CBU_DATA_SET_S...', 'CBI_FILE_FORMAT', 'CMN_ASE_VALIDA...', 'CMN_CMB_DEFAL...', 'CMN_WEEKLY_NO...', 'COR_STORAGE_D...', 'DBR_JOINT_INC...', 'DBR_JOINT_INC...', 'DDP_CRB_EXPIRA...', 'DDP_DEDUP_DEB...', 'DDP_DEDUP_DEB...', 'DOT_STORAGE_D...', 'ECB_EDIT_FAIL_A...', 'ECB_USE_APL_CU...', and 'FBI_IMAGE_STAT...'. Each row includes a parameter name, a description, a value, the company (e.g., ALL, US01), the division (e.g., ALL, USHQ), and an 'Enabled' checkbox.

Below the table, there are input fields for 'Parameter', 'Parameter Description', and 'Parameter Value'. To the right, there are dropdown menus for 'Company' (set to ALL), 'Branch' (set to ALL), and an 'Enabled' checkbox.

A brief description of the fields is given below:

Field	Do this:
Parameter	The system displays the parameter, when you select parameter description.
Parameter Description	Select the description of system parameter from the drop-down list.
Parameter Value	Specify the value for the system parameter.
Company	Select the portfolio company for which the parameter will be valid from drop-down list.
Branch	Select the portfolio branch for which the parameter will be valid from the drop-down list (required). IMPORTANT: In selecting which company parameter to use, the system searches for a best match using the following attributes: 1. Company 2. Branch For this reason, the Software recommends creating a version of each company parameter where ALL is the value in these fields.
Enabled	Check this box to enable the parameter.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

For a detailed list of available parameters, refer to Appendix “[System Parameters](#)” chapter.

2.2 Lookups

The Lookups setup screen defines the contents in many drop-down fields used throughout the system. Fields that make use of drop-down field will accept only entries that are stored on this screen.

The Lookups screen contains two sections: **Lookup Types** and **Lookup Codes**. Lookup types and codes can be system-defined or user-defined. The lookup types describe the function of the related lookup codes.

For system-defined lookup types, only the Description field may be changed.

A *system-defined lookup type* (**Lookup Types** block, **System Defined** is selected) is one that is critical to the system and cannot be changed. However, you can still modify the lookup type description and Record indicator (Enabled/Disabled).

A *user-defined lookup type* (**Lookup Types** block, **System Defined** is not selected) is one that can be modified, depending on a user's business needs. You can modify the description, system indicator and record indicator. If a lookup type is user-defined, the lookup code belonging to that lookup type can either be system-defined or user-defined.

A *system-defined lookup code* (**Lookups** screen, **System Defined** is selected) is one on which the system processing is dependent. Without this lookup code, the process produces incorrect results or fails.

A user-defined lookup code (**Lookups** screen, **System Defined** is not selected) is one that can be defined or altered by a user.

WARNING: System-defined lookup types are those that are required by the system. Their related lookup codes will also be system defined. If you update and save a user-defined lookup type as a system-defined-lookup type (that is, change the System Defined button from **No** to **Yes** in the Lookup Type sub screen), the system will not allow you to change the lookup type back to user-defined in the future.

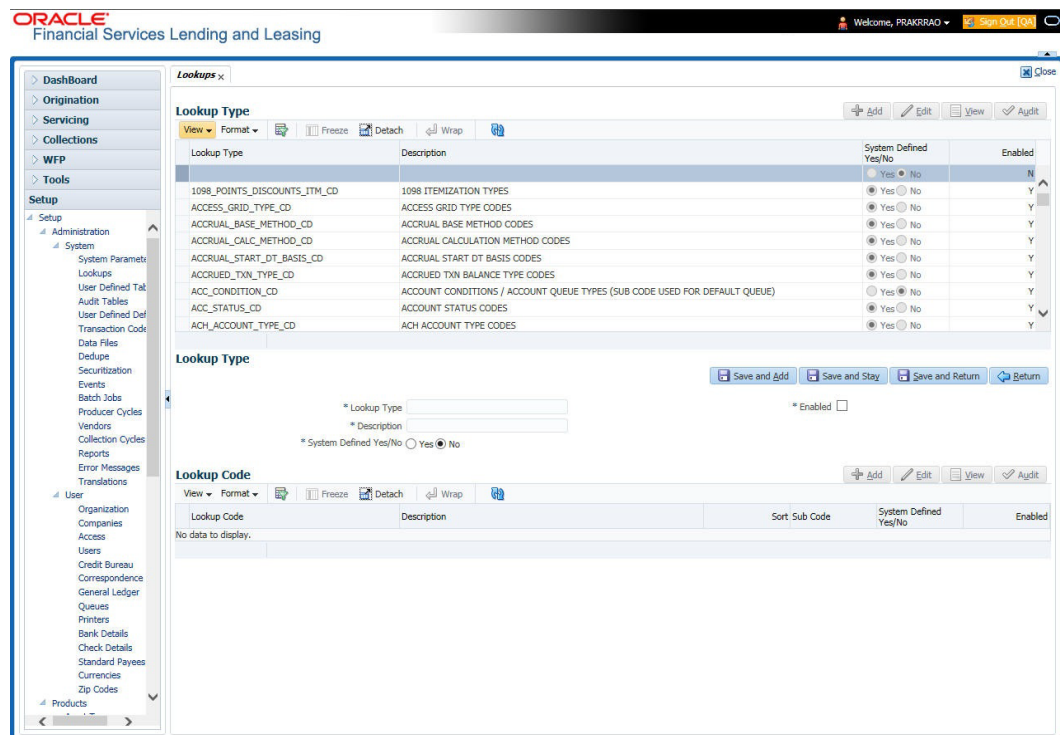
Note

Lookup codes cannot be deleted, as they may have been used in the past, and the display and processing of that data is still dependent on the existing setup.

Typically, the system Administrator would modify the descriptions of lookup codes and add new lookup codes to the existing lookup types as needed.

To set up the Lookups

1. Click **Setup > Setup > Administration > System > Lookups**. The system displays the **Lookups** screen. The details are grouped into two:
 - Lookup Types
 - Lookup Codes
2. In the **Lookup Types** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Lookup Type	Specify the lookup type.

Field	Do this:
Description	Specify the description for the lookup type .
System Defined Yes/No	Select 'Yes', if you wish to maintain the lookup type as system defined and 'No', if you wish to maintain lookup type as User defined.
Enabled	Check this box to enable the lookup type.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. In the **Lookup Codes** section, you can setup individual codes that a field or process using the related lookup type can have. Perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Lookup Code	Specify the lookup code. These are solely dependent on the function of the Lookup Type.
Description	Specify the lookup code description. This may be changed as per your business requirement.
Sort	Specify the sort order for the lookup code. This determines the order these lookup codes are displayed or processed.
Sub Code	Specify the sub code for the lookup code.
System Defined Yes/No	Select 'Yes', if you wish to maintain the lookup code as system defined and 'No', if you do not want to maintain it as system defined. System defined lookup codes cannot be modified, except for changing the Description or Sorting fields. If the lookup type is not system defined, then the code can be modified.
Enabled	Check this box to enable the lookup code.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.3 User Defined Tables

In User Defined Tables you can maintain user-defined tables, such as the data attributes the system uses on its Search screens.

In the following example, the list of attributes in the Criteria column are computed from the User Defined Tables screen.

To set up a user-defined table, you must:

1. Define the fields on the table.
2. Join the related tables.
3. Assign the table a lookup type.

You can create tables for different products, funding, and collateral types.

After creating the user-defined tables, the system sorts the attributes to make the system usage more efficient. These details are used with different functions of the system, including:

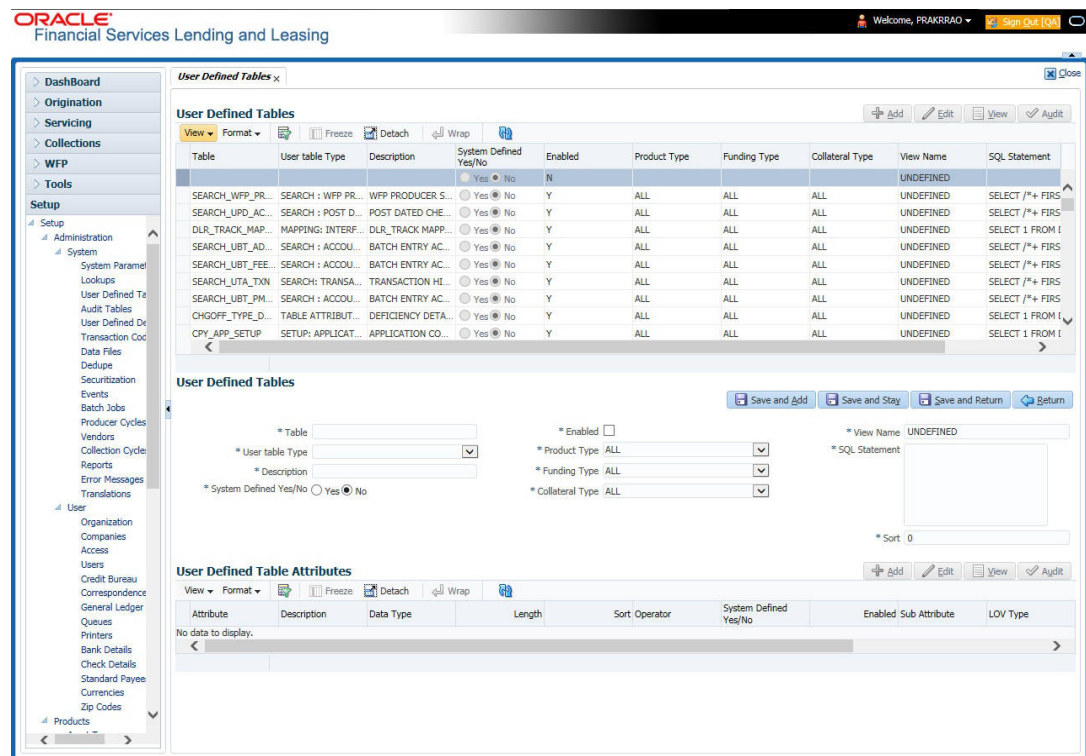
- Tracking follow-up items
- Creating details in bankruptcy, foreclosure/repossession, and deficiency

Note

Many of these tables, (ASSET TRACKING ATTRIBUTES for example) may be configured during the initial setup of the application to provide for your specific business needs. Others, such as APPLICATION SEARCH, may be changed whenever your business needs change. Still others should not be changed without consulting Oracle Financial Services Software, as changing them would require changes to existing code for the expected results to be implemented. As a thumb rule, it is better to add or disable information on the User Defined Tables screen than to edit existing entries.

To set up the User Defined Tables

1. Click **Setup > Setup > Administration > System > User Defined Tables**. The system displays the User Defined Tables screen. The details are grouped into two:
 - User Defined Tables
 - User Defined Table Attributes
2. In the **User Defined Tables** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Table	Specify the user-defined table name.
User Table Type	Select the user-defined table type from the drop-down list. This determines where and how the related data is being used.

Field	Do this:
Description	Specify the description for user-defined table.
System Defined Yes/NO	Select 'Yes', if you wish to maintain the User table type as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If the entry is not system defined, then it can be modified.
Enabled	Check this box to enable the user-defined table (optional).
Product Type	Select the product type from the drop-down list.
Funding Type	Select the funding type associated with the user-defined table from the drop-down list.
Collateral Type	Select the collateral type associated with the user-defined table from the drop-down list.
View Name	Specify the view name.
SQL Statement	Specify the SQL version of the statement. For Example: For SEARCH_ACC_ACCOUNTS table, the SQL is as follows: <pre>SELECT /*+ FIRST_ROWS */ ACC_AAD_ID FROM ACCOUNTS WHERE</pre> Note: For the above SQL, the where criteria is part of the User Defined Table Attributes
Sort	Specify the sort order for the user-defined table relative to other tables of the same type.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4. In the **User Defined Table Attributes** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

The screenshot displays the Oracle Financial Services Lending and Leasing interface. The top navigation bar includes 'Dashboard', 'Origination', 'Servicing', 'Collections', 'WFP', and 'Tools'. The left sidebar shows a tree view with 'Setup' expanded to 'System', and 'User Defined Table Attributes' selected. The main window is divided into two sections: 'User Defined Tables' and 'User Defined Table Attributes'.

User Defined Tables Table:

Table	User table Type	Description	System Defined Yes/No	Enabled	Product Type	Funding Type	Collateral Type	View Name	SQL Statement
SEARCH_WFP_PR...	SEARCH : WFP PR...	WFP PRODUCER S...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
SEARCH_UPD_AC...	SEARCH : POST D...	POST DATED CHE...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
DLR_TRACK_MAP...	MAPPING: INTERF...	DLR_TRACK MAPP...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
SEARCH_UBT_AD...	SEARCH : ACCOU...	BATCH ENTRY AC...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
SEARCH_UBT_FEE...	SEARCH : ACCOU...	BATCH ENTRY AC...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
SEARCH_UBT_TXN...	SEARCH: TRANSA...	TRANSACTION HI...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
SEARCH_UBT_PM...	SEARCH : ACCOU...	BATCH ENTRY AC...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR
CHGOFF_TYPE_D...	TABLE ATTRIBUT...	DEFICIENCY DETA...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT 1 FROM
CPY_APP_SETUP...	SETUP: APPLICAT...	APPLICATION CO...	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT 1 FROM
SEARCH_ACC_AC...	SEARCH : ACCOUN...	ACCOUNT SEARCH	<input type="radio"/> Yes <input checked="" type="radio"/> No	Y	ALL	ALL	ALL	UNDEFINED	SELECT /*+ FIR

User Defined Table Attributes Table:

Attribute	Description	Data Type	Length	Sort	Operator	System Defined Yes/No	Enabled	Sub Attribute	LOV Type
PRO_NAME	PRODUCER NAME	CHARACTER	80	0	1 LIKE	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="checkbox"/>	Y	NO LOV
WFR_STATUS_CD	PRODUCER STATUS	CHARACTER	30	2	2 LIKE	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="checkbox"/>	Y	NO LOV
WFR_TOT_CREDIT_L...	TOTAL CREDIT LIMIT	NUMBER	30	3	3 EQUAL	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="checkbox"/>	Y	NO LOV

Below the table is a form for adding or editing attributes, including fields for Attribute, Description, Data Type, Length, Sort, Operator, System Defined Yes/No, Enabled, Sub Attribute, and LOV Type.

A brief description of the fields is given below:

Field	Do this:
Attribute	Specify the user-defined table attribute.
Description	Specify the description for the user-defined table attribute.
Data Type	Select the data type for the attribute (CHARACTER, NUMBER, or DATE) from drop-down list.
Length	Specify the maximum length of the user-defined table attribute.
Sort	Specify the sort order of the user-defined table attribute. If the sort order is changed it will only affect new instances of the User Defined Table, and will not affect existing data.
Operator	Select the operator for the user-defined table attribute from the drop-down list.
System Defined Yes/No	Select 'Yes', if you wish to maintain the User table attribute as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If the entry is not system defined, then it can be modified.
Enabled	Check this box to enable the user-defined table attribute so that the attribute will be considered when creating new instances of the User Defined Table.
Sub Attribute	Specify the sub-attribute for the attribute (sub attributes are used to associate related attributes).

Field	Do this:
LOV Type	Select the list of value (LOV) type for the user-defined table attribute from the drop-down list.
LOV Validation Ind	Check this box to enable LOV validation of the user-defined table attribute. This indicates whether the data must come from the LOV.
Lookup Types	Specify the lookup type of the LOV associated with the user-defined table attribute.
Default Value	Specify the default value for the user-defined table attribute.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.4 Audit Tables

The system allows you to track changes in the database during origination. This includes the tracking of:

- Audit history of specified fields

The Audit Tables Setup screen records the tables and columns requiring an audit. the system stores the following details for the fields you want to audit for changes:

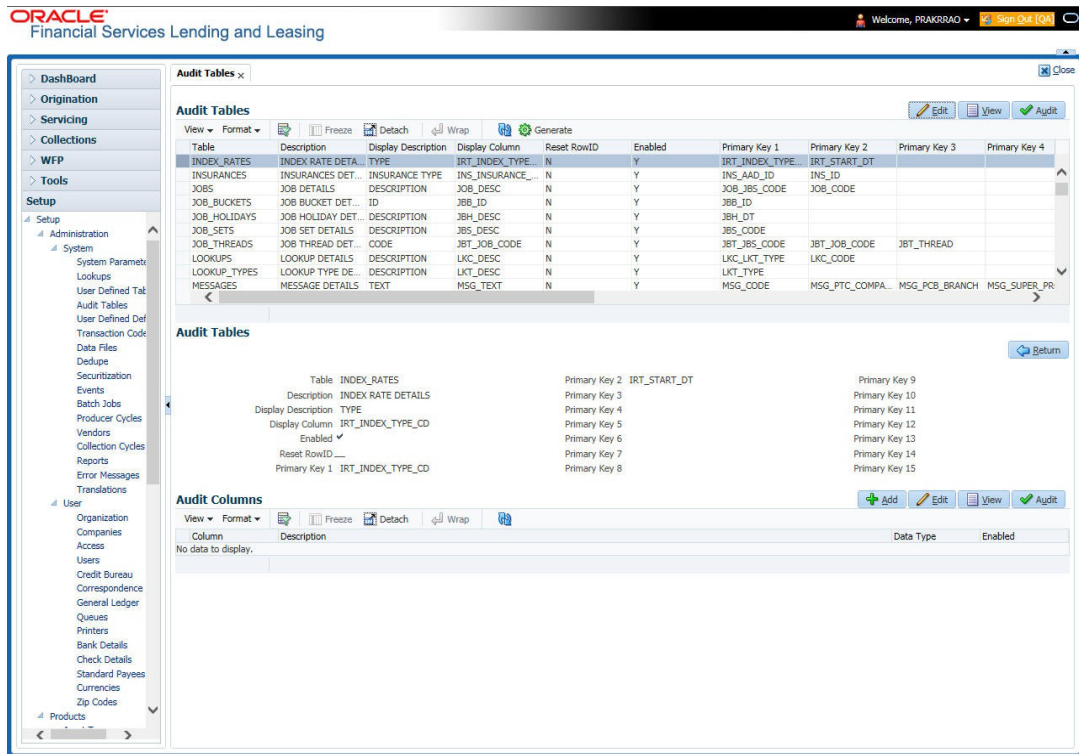
- Current value in field
- New value field
- User who changed the field's content
- Date and time when the value was changed

IMPORTANT: The system recommends that only a database administrator perform the following steps.

To set up the Audit Tables

1. Click **Setup > Setup > Administration > System > Audit Tables**. The system displays the Audit Tables screen. The details are grouped into two:
 - Audit Tables
 - Audit Columns

2. In the **Audit Tables** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Table	The table name on which audit trigger needs to be created is displayed here (the system table being audited).
Description	Specify the table description.
Display Description	Specify the column description to be displayed on audit screen.
Display Column	Select the table column to be displayed on audit screen from the drop-down list.
Enabled	Check this box to enable the audit table so that it will be considered while generating the database triggers.
Reset Row ID	Check this box to allow resetting the row identifier.
Primary Key 1 (unlabeled)	The table primary key column 1 is displayed here. (These columns define how to access the data in the table.)
Primary Key 2 (unlabeled)	The table primary key column 2 is displayed here.
Primary Key 3 (unlabeled)	The table primary key column 3 is displayed here.
Primary Key 4 (unlabeled)	The table primary key column 4 is displayed here.
Primary Key 5 (unlabeled)	Table primary key column 5 is displayed here .

Field	Do this:
Primary Key 6 (unlabeled)	Table primary key column 6 is displayed here.
Primary Key 7 (unlabeled)	The table primary key column 7 is displayed here.
Primary Key 8 (unlabeled)	The table primary key column 8 is displayed here.
Primary Key 9 (unlabeled)	The table primary key column 9 is displayed here.
Primary Key 10 (unlabeled)	The table primary key column 10 is displayed here.
Primary Key 11 (unlabeled)	The table primary key column 11 is displayed here.
Primary Key 12 (unlabeled)	The table primary key column 12 is displayed here.
Primary Key 13 (unlabeled)	The table primary key column 13 is displayed here.
Primary Key 14 (unlabeled)	The table primary key column 14 is displayed here.
Primary Key 15 (unlabeled)	The table primary key column 15 is displayed here.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. In the **Audit Tables Columns** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Column	Specify the column name on which the audit needs to be created from drop-down list (column in the table that is being audited)
Description	Specify the column description (description of the data contained in the column).
Data Type	The data type for the attribute is displayed here.
Enabled	Check this box to enable the audit column.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.5 User Defined Parameters

The User Defined Parameters setup screen facilitates to define field-level configurations which helps to perform various day to day business specific calculations. In this screen you can define parameters and logic for each field to compute and populate data.

For example, you can setup User Defined Parameters in the system to calculate Trade Equity, Collateral Coverage Ratio, Net Rental Yield and so on.

Note

Currently system supports defining user defined parameters for entities like Account and Collateral. The computed values are populated into Customer Service > Account Details > Account Information section and Servicing > Collateral Management > Collateral Details screen respectively on clicking Calculate Parameters button.

Defining user defined parameters basically involves identifying a scenario and creating/configuring the required parameters. Here, a scenario can refer to what category of accounts are to be considered for computation.

User defined parameters consists of the following two types of configurable parameters:

Parameter	Description
Target Parameters	<p>These parameters store values for the customizable user defined fields in user defined tables and is used for calculation based on Selection Criteria.</p> <p>These parameters are available as per the 'View Name' defined in user defined tables for each Account and Collateral Entity and persist the calculation values into the table columns of database after its first execution.</p>
Formula Parameters	<p>These parameters are used for computation of the target parameters. These contain the generic formula/logic that can be used for any computation based on System Defined Functions and Table Columns. These parameters does not persist the calculation values into the table columns of database.</p>

Since system supports Account and Collateral entity types, the configurable user defined Target/Formula parameters along with selection criteria can be defined using specific table type as indicated below:

Entity Type	Parameter Type	Description
Accounts	Formula Parameters	<p>Formula parameters are used for computation of the target parameters for Account Entity.</p> <p>OFSLL supports predefined set of calculation based Formula Parameters. These parameter definitions start with '\$' in User Defined Tables.</p> <p>These parameters does not have any selection criteria.</p> <p>Existing factory shipped seed data provided by OFSLL product like GL date, System Date, ACC_DLQ_DAYS and so on is based on below User Defined Table Type:</p> <p>USER DEFINED: ACCOUNTS FORMULA PARAMETERS USER DEFINED: COMMON FORMULA PARAMETERS USER DEFINED: COMMON CUSTOMER SERVICE FORMULA PARAMETERS</p>
	Target Parameters	<p>These calculations are based on formula parameters and other target parameters.</p> <p>A selection criteria is available for each calculation.</p> <p>These are based on User Defined Table Type: USER DEFINED: ACCOUNT TARGET PARAMETERS</p>
	Selection Criteria	<p>These parameters define the criteria on which accounts are picked for calculation of defined target parameters.</p> <p>These are available only for Target parameters and are based on User Defined Table Type: USER DEFINED: ACCOUNT CRITERIA PARAMETERS</p>

Entity Type	Parameter Type	Description
Collateral	Formula Parameters	These Formula parameters are used for computation of the target parameters for Collateral Entity. They are based on below User Defined Table Type: USER DEFINED: COLLATERAL FORMULA PARAMETERS USER DEFINED: COMMON FORMULA PARAMETERS USER DEFINED: COMMON CUSTOMER SERVICE FORMULA PARAMETERS
	Target Parameters	These are based on User Defined Table Type: USER DEFINED: COLLATERAL TARGET PARAMETERS
	Selection Criteria	These are available only for Target parameters and are based on User Defined Table Type: USER DEFINED: COLLATERAL CRITERIA PARAMETERS

Note

The execution of User Defined Parameters require additional processing at the server level and can have significant performance impact delaying the EOD processing. Hence it is recommended to have careful consideration while defining the Target and Formula parameter configurations.

In this framework, you can either create new parameters and/or use the available pre-defined formula parameters to populate computed values to custom user defined fields.

For example - a formula parameter can be defined with an expression as $*\$TOTAL_ITM_GRP_IEQ + \$PAID_BAL_ADV$ which is total equity in itemizations on account added with total advance amount paid. An expression can have a stored function (represented with \$ sign) and Account Columns (fields).

There are some formula parameters in the system with basic pre-defined calculation which can readily be used for configuration along with account fields. Pre-defined formula parameters are associated with specific acronyms appended with parameter name for identification. The table below lists the available per-defined formula parameters. However, you can also define custom formula parameters with acronyms.

User Defined Column Description	Description
\$GL_DATE	Value of GL Date System Parameter
\$SYSTEM_DATE	Current System Date
\$COLLATERAL_VALUE	Sum of all collateral current valuation
\$PRIMARY_COLLATERAL_VALUE	Sum of all primary collateral current valuation
\$ASE_GRAND_FATHER_POINTS	Sum of all grandfather points
\$ASE_TIER_POINTS	Total Tier Points
\$INTEREST_ACCRUED	Interest Accrued on Account for a specific date. This is used to calculate Trade Equity Calculation.

User Defined Column Description	Description
\$OUTSTANDING_AMOUNT	Current Account Outstanding Amount
\$OUTSTANDING_BAL_(BALANCE TYPE *)	This is a dynamic balance value calculation based on type variable. For example: - \$OUTSTANDING_BAL_ADV - Will calculate outstanding Advance/Principal amount - \$OUTSTANDING_BAL_LSR - Will calculate outstanding Lease Receivable amount
\$PAID_BAL_(BALANCE TYPE *)	This is a dynamic balance value calculation based on type variable. For example: - \$PAID_BAL_ADV - Will calculate paid Advance/Principal amount - \$PAID_BAL_LSR - Will calculate paid Lease Receivable amount
\$SUM_PRIN_ESC_MAX_EXPIRY_DT	This is used to calculate sum of total principal amount till Extended Service Warranty Max Expiry Date.
\$TOTAL_ITM_GRP_(ITM GROUP*)	This is a dynamic itemization group value calculation based on type variable. For example: - \$TOTAL_ITM_GRP_IDC - Will calculate total ITM LOAN AMOUNT DOWN PAYMENT CASH group amount - \$TOTAL_ITM_GRP_IPF - Will calculate total ITM PREPAID FEE group amount
\$TOTAL_ITM_(ITM*)	This is a dynamic itemization value calculation based on type variable. For example: - \$TOTAL_ITM_IDC_1 - Will calculate total ITM DOWN PAYMENT amount - \$TOTAL_ITM_IUN_4 - Will calculate total ITM CASH DOWN amount

Both the parameters (formula and target) supports the following data types:

- Number / Integer (both are considered as floating numbers)
- Date
- Character

While defining specific parameter, system auto-filters the variable list based on the supported data type.

To enable any target parameters, ensure that there is at the least one enabled formula parameter and selection criteria defined. Also while defining target parameters, ensure that there is no circular dependency where two or more parameters are either directly or indirectly

dependent on each other. For example, If formula parameter A is defined as ACC_FIELD1 + formula parameter B, and formula parameter B is defined as ACC_FIELD2 + formula parameter A. In such a case, system displays an error indicating 'CIRCULAR DEPENDENCY DETECTED FOR PARAMETER:<<PARAMETER NAME>>'.

The user defined parameters calculation can be triggered in any of the following ways:

Option	Trigger	Action Type
User Interface	<p>Clicking 'Calculate Parameters' button in Account Details screen, Account Information section.</p> <p>Target parameters of Frequency = None and Daily are computed and updated for an account and all collaterals associated to the account.</p>	<p>System calculates and updates target parameter through background job process which is created to update UDP values asynchronously.</p> <p>Error/Validation messages received during calculation of user defined fields are displayed under Background job and not displayed in UI.</p>
	<p>Clicking 'Calculate Parameters' button in Collateral Management, Collateral Details screen.</p> <p>Target parameters of Frequency = None and Daily are computed and updated only for the selected collateral.</p>	
Batch Job for Account Target Parameters update	On executing batch jobs - USER DEFINED ROOT BATCH JOB and USER DEFINED ACCOUNT TARGET PARAMETER CALCULATOR in SET-CUP batch job-set	<p>On execution, this batch job calculates all target parameters defined for Account that satisfy the selection criteria.</p> <p>Root batch job is parent batch job and is executed first to pick all accounts eligible for calculation for the child batch job i.e. Account Target Parameter Calculator. This helps to enhance system performance.</p> <p>The batch job periodically calculates for target parameters of frequency other than None and updates the Next Run Date for parameter as per frequency defined.</p> <p>Note that, batch job picks-up accounts only once per day and refers to company specific GL date.</p> <p>Accounts in OFSLL are associated to specific company - branch combination. Hence this batch set and job should be configured at every company branch level.</p>

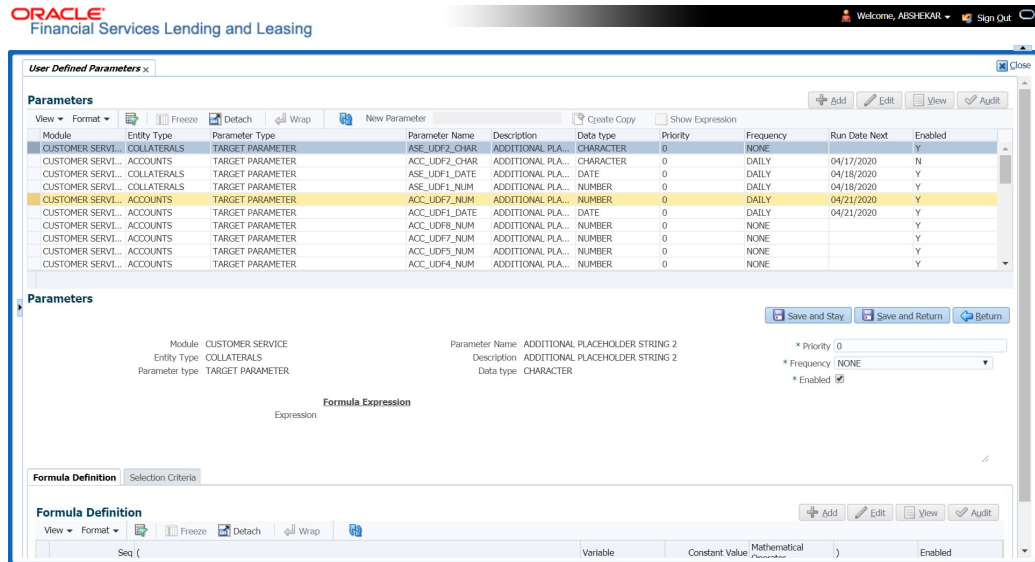
Option	Trigger	Action Type
Batch Job for Collateral Target Parameters update	On executing batch jobs - USER DEFINED ROOT BATCH JOB and USER DEFINED COLLATERAL TARGET PARAMETER CALCULATOR in SET-CUP1 batch job-set	<p>On execution, this batch job calculates all target parameters defined for collateral entity that satisfy the selection criteria.</p> <p>Root batch job is parent batch job and is executed first to pick all accounts eligible for calculation for the child batch job i.e. Collateral Target Parameter Calculator. This helps to enhance system performance.</p> <p>The batch job periodically calculates for target parameters of frequency other than None and updates the Next Run Date for parameter as per frequency defined.</p> <p>Note that, batch job picks-up accounts only once per day and refers to company = ALL GL date.</p> <p>Collateral in OFSLL are not associated to any specific company hence this batch set and job should be configured for company = All.</p>
Event	<p>Configured Event Action Type -</p> <ol style="list-style-type: none"> 1. UPDATE ACCOUNT USER DEFINED PARAMETERS 2. UPDATE COLLATERAL USER DEFINED PARAMETERS <p>For more details on defining event action type, refer to ‘Events (New Framework)’ section.</p>	Update Account/Collateral Target Parameters of frequency = None and Daily when specific type of changes occurs in OFSLL for Account/Collateral event entity.
Restful Web Service	Calculate Parameter Update Service (available in common Swagger module)	<p>When third-party system post a request to update specific or all Target Parameters for a single Account, single Collateral or all collateral associated to an account based on 'Entity Type' parameter updated in web service request.</p> <p>This parameter accepts only ACC for accounts and ASE for Collateral target parameters. Target parameter of frequency None and Daily are updated through this web service.</p> <p>Refer swagger documentation for more details.</p>

During executing, system looks into the enabled user defined parameters, and considering only those accounts matching the selection criteria, values are computed into the user defined fields.

During computation of target parameters, system displays an error if there are more than one definition defined for a target parameter.

To set up the User Defined Parameters

1. Click **Setup > Setup > Administration > System > User Defined Parameters**.



2. In the **Parameters** section, do one of the following:

- Use the 'Create Copy' feature to quickly create new parameter with the existing parameter details. For Target Parameters, select required record and click 'Create Copy'. For Formula Parameters, select required record, specify 'New Parameter' name and click 'Create Copy'. The new parameter created this way will be in disabled state by default.
- Add/Edit user defined parameter by performing any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Module	Select the module from the drop-down list. The list is displayed based on the modules that support User Defined Parameters calculation. Currently only Customer Serving (accounts) is supported.
Entity Type	Select the required entity for which calculation is to be defined from the drop-down list. The list is populated based on entity type maintained in CUP_ENTITY_CD lookup code. Currently, system supports ACCOUNTS and COLLATERALS entity types. Note that, entity can be selected only while creating User Defined Parameter and the same cannot be modified in Edit mode.
Parameter Type	Select the type of parameter to be defined as either Target Parameter or Formula Parameter from the drop-down list.

Field	Do this:
Parameter Name	<p>For Target Parameter, system displays the list of custom fields available in user defined table for selection. Select the required Parameter from the drop-down list. By default the first field in the user defined table is selected.</p> <p>For Formula Parameter, this is a text field to record the new parameter name. Specify the name of the formula parameter.</p>
Description	<p>For Target Parameter, the description is auto-populated from user defined table and is Read-Only.</p> <p>For Formula Parameter, specify the description of the formula parameter.</p>
Data Type	<p>For Target Parameter, the data type associated for the parameter is auto-populated from user defined table and is Read-Only.</p> <p>For Formula Parameter, select the data type as one of the following from the drop-down list - INTEGER, DATE, NUMBER, or CHARACTER</p>
Priority	<p>Specify the order in which system should evaluate the parameter definitions while executing the batch job or on clicking 'Calculate Parameters' button.</p> <p>For example, if a formula parameter A has dependency on parameter B, then B has to be calculated first in the order and priority is set as '0'.</p>
Frequency	<p>Select the required frequency at which the target parameters are to be calculated from the drop-down list.</p> <p>Frequency field is applicable only for Target Parameters and the list of frequency supported is populated based on values maintained in CUP_FREQUENCY_TYPE_CD lookup code.</p> <p>Note the following:</p> <ul style="list-style-type: none"> - Frequency can be defined only in Edit mode. - Frequency is not applicable for Formula Parameters. - Frequency 'None' can be selected for target parameters that are required to be calculated on adhoc basis.

Field	Do this:
Run Date Next	<p>View the date on which the Target parameter is calculated. The Run Date Next is auto calculated based on frequency defined.</p> <p>This field is applicable only for Target parameters and for frequency other than 'None'.</p> <p>Note the following:</p> <ul style="list-style-type: none"> - For multi-company implementation, it is recommended to add same User Defined Parameter definition multiple times for each company. This in-turn updates 'Run Date Next' for each company and supports updating values at different zone based on batch job setup. - Currently the 'Run Date Next' is updated even if not all the records are computed based on selection criteria. Since this impacts to restart failed records, the same shall be addressed in subsequent patch releases.
Enabled	Check this box to enable the parameter definition.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.5.1 Formula Definition

The **Formula Definition** section allows you to define a mathematical expression of the formula to evaluate the parameter definition. The expression may consist of one or more sequenced entries. All arithmetic rules apply to the formula definition. If errors exist in the formula definition, the system displays an error message in this section when you choose Show Expression.

4. In the **Formula Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Seq	Specify the sequence number (the order in which the formula definition variable will be assembled and evaluated).
(Specify a left bracket, if you need to group part of your formula definition.

Field:	Do this:
Variable	<p>Select the variable from the drop-down list which consists of a validated list derived from user defined table type as indicated below:</p> <ul style="list-style-type: none"> - For Number, system displays only numeric fields - For Date, system displays numeric + date fields - For String, system displays numeric + character fields <p>Parameters for 'Account' entity type in Customer Service is derived from: USER DEFINED: ACCOUNTS FORMULA PARAMETERS USER DEFINED: COMMON FORMULA PARAMETERS USER DEFINED: COMMON CUSTOMER SERVICE FORMULA PARAMETERS</p> <p>Parameters for 'Collateral' entity type in Customer Service is derived from: USER DEFINED: COLLATERAL FORMULA PARAMETERS USER DEFINED: COMMON FORMULA PARAMETERS USER DEFINED: COMMON CUSTOMER SERVICE FORMULA PARAMETERS</p>
Constant Value	<p>Specify the constant value (optional).</p> <ul style="list-style-type: none"> - For Number, system supports only numeric constants - For Date, system supports only numeric constants - For String, system supports both numeric and character constants <p>Note: System displays an error indicating 'VARIABLE OR CONSTANT VALUE IS REQUIRED' if both Variable and Constant Value or None is provided.</p>
Mathematical Operator	<p>Select the math operator to be used on the adjacent formula definition rows, from the drop-down list. The list is derived and displayed based on data type / variable as indicated below:</p> <ul style="list-style-type: none"> - For Number, system allows all numeric operators (+, -, x, and %). - For Date, system supports (+ and -) operators. - For String, system supports concatenation (i.e. +) operator.
)	Specify a right bracket, if you are grouping part of your formula definition.
Enabled	Check this box to enable the formula and indicate that it is included when building a parameter definition.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
6. In the Parameters section, click 'Show Expression'. The mathematical expression appears in the Formula Expression section (in sequential order) in the Expression field.

2.5.2 Selection Criteria

The sub tab is enabled only for Target Parameters and facilitates to define the selection criteria indicating the type of accounts to be picked for computation. The parameters are derived from user defined table - USER DEFINED: ACCOUNT CRITERIA TYPE CODE and USER DEFINED: COLLATERAL TYPE CODE as per Account and Collateral Entity type.

1. In the Selection Criteria section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields is given below:

Field:	Do this:
Seq	Specify sequence numbers.
(Specify left bracket.
Parameter	Select the parameter from the drop-down list. The list is populated based on the values maintained in user defined table - Customer Service: USER DEFINED: CUSTOMER SERVICE CRITERIA PARAMETERS.
Comparison Operator	Select comparison operator from the drop-down list.
Criteria Value	Specify criteria value.
)	Specify right bracket.
Logical Expression	Select logical operator from the drop-down list.
Enabled	Check this box to enable the selection criteria.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
3. Click 'Check Criteria' for system to validate the query and display the results.

If the formula expression is mathematically incorrect when parameters are calculated, system displays error indicating 'INVALID FORMULA EXPRESSION: <<FORMULA PARAMETER>>'.

2.6 Transaction Codes

The system uses transaction codes to define the actions and tasks it can perform; for example, activating an account, changing a due date, applying a late fee, and charging off an account.

The Transaction Codes Setup screen catalogs and defines these core system actions.

Three sub screens, Parameters, Access Grid, and Products, record any additional information required to perform a transaction, the user types that can perform the transaction, and the product type to which the transaction codes apply.

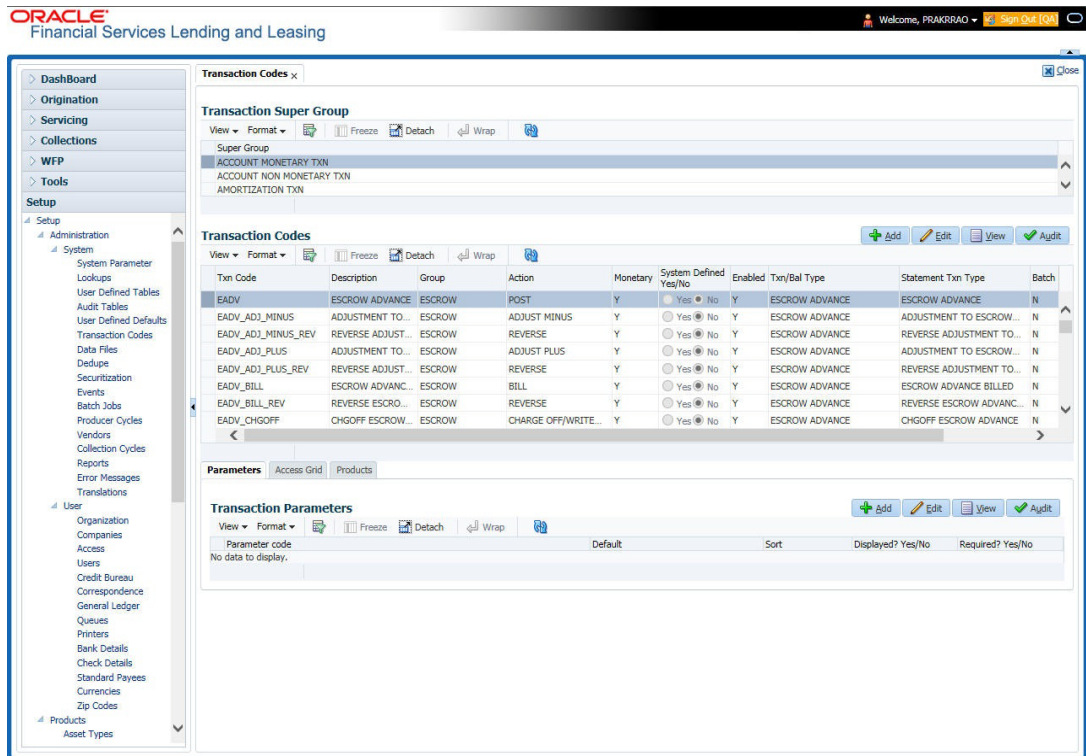
Note

The Software recommends that you restrict the access to the seed data once you are in production.

To set up the Transaction Codes

1. Click **Setup > Setup > Administration > System > Transaction Codes**. The system displays the Transaction Codes screen.

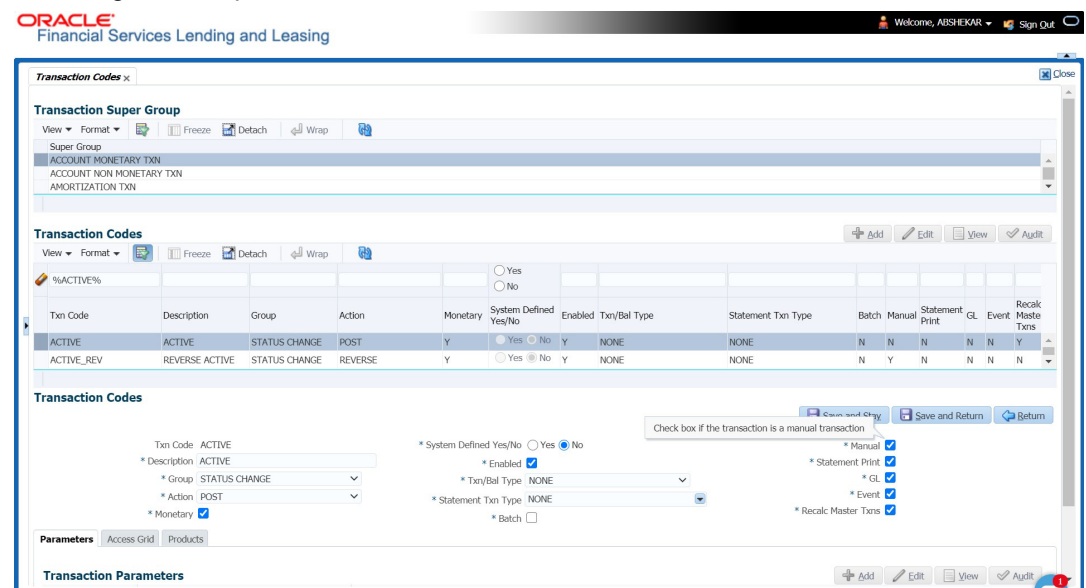
2. In **Transaction Super Group** section, you can view the following information



A brief description of the fields is given below:

Field	Do this:
Super Group	Select the Super Group you want to work with in the Transaction Codes screen.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. In the **Transaction Codes** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter



A brief description of the fields is given below:

Field	Do this:
Txn Code	Specify the transaction code (required).
Description	Specify the description for the transaction.
Group	Select the transaction group (the group within the Transaction Super Group that the transaction code belongs to) from the drop-down list.
Action	Select the action type code for the transaction (what action will take place when the transaction occurs) from the drop-down list.
Monetary	Check this box to maintain the transaction as a monetary transaction. If unchecked, then the transaction is nonmonetary.
System Defined Yes/ No	Select 'Yes', if you wish to maintain the transaction code as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If entry is not system defined, then it can be modified.
Enabled	Check this box to enable the transaction.
Txn/Bal Type	Select the transaction / balance type affected by the Transaction from the drop-down list.
Statement Txn Type	Select the statement transaction type (how the transaction should appear on the customer statement) from the drop-down list.
Batch	Check this box to perform the transaction in a batch process.
Manual	Check this box, if the transaction is a manual transaction. If you define a transaction as manual, the system recommends that the transaction that reverses it also be defined as manual.
Stmt Print	Check this box to print the transaction on customer statements.
GL	Check this box, if the transaction is a general ledger transaction.
Event	On selecting this check box, the particular Monetary/Non-Monetary transaction is considered for triggering of respective Monetary and Non-monetary transaction posting Event type. The particular Monetary/Non-Monetary transaction is available while defining Event Actions. For more information, refer to Events (New Framework) section.
Recalc Master Txns	Check this box for system to recalculate and repost consolidated fee at Master Account level. This is done automatically by identifying those monetary transactions which should trigger recalculation of Late Charge, Cycle Based Late Fee and Cycle Based Collection Late Fee at Master Account level when backdated transaction is posted on any Associated Account that is marked for fee consolidation. For more information, refer to 'Cycle Based Fees' and 'Fee Consolidation' sections in 'Contract' setup screen.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.6.1 Transaction Codes sub screens

The Transaction Codes screen contains three sub screens:

- Parameters
- Access Grid
- Products

Note

Please contact your System Administrator / Implementation Manager before making any changes in these sub screens.

2.6.1.1 Parameters

Here, you can define the parameter information for the associated transaction.

- AMORTIZATION TXN
- PRODUCER MONETARY TXN
- FUNDING TXN
- ACCOUNT CONDITION TXN
- CORRESPONDENCES
- FEE ASSESSMENTS

Note

Treat the Transaction Parameters sub screen as containing view-only information. This is very sensitive data and you should not change it without consulting Oracle Financial Services Lending and Leasing.

To set up the Parameters

1. Click **Setup > Setup > Administration > System > Transaction Codes > Parameters**.
2. In the **Transaction Parameters** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Parameter Code	Select the parameter code associated with the transaction code, from the drop-down list.
Default	Specify the default value for the transaction parameter (value to initially populate, or used if no value is supplied).
Sort	Specify the sort order for the transaction parameter.
Displayed? Yes/No	Select 'Yes' to display the parameter and 'No' if you do not want to display in current use.
Required? Yes/No	Select 'Yes' if the parameter is required and 'No' if you do not require the parameter. (You must select Required as empty values are not allowed.)

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.6.1.2 Access Grid

The Access Grid sub screen allows you to control access to each transaction according to user responsibility, account status, and account condition. It allows the administrator to control when these transactions may be conducted. Normally, you would create or modify the access based on either the user responsibility or account condition. Account status access is left unchanged.

To set up the Access Grid sub screen

1. Click **Setup > Setup > Administration > System > Transaction Codes > Access Grid**.
2. In the **Transaction User Access Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Access Type	Select the access grid function type (ACCOUNT CONDITION AND ACCOUNT STATUS) that is being used to control the creation of the associated transaction, from the drop-down list.
Access Value	Select the access function grid value from the drop-down list (based on a lookup associated with the Access Type. Multiple entries for each access type may be created as long as each has a different access value).
Allowed? Yes/No	Select 'Yes' if the access is allowed and 'No' if the access is not allowed (indicates whether the current Access Type / Access Value may create the associated transaction).
System Defined Yes/No	Select 'Yes', if you wish to maintain access type as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If entry is not system defined, then it can be modified.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.6.1.3 Products

The Products sub screen allows you to define the products to which the transaction codes apply. It allows the administrator to control if the associated transaction code will be available for use for specific product types and or funding types.

Normally, an Access Value of ALL is defined for one or more Access Types with a given Allowed value. Additional Access Values are then defined for the same Access Types with the opposite Allowed value. This controls access to the associated transaction.

To set up the Products sub screen

1. Click **Setup > Setup > Administration > System > Transaction Codes > Products**.
2. In the **Transaction Product Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Product Type	Select the product type associated with the transaction code from the drop-down list.
Funding Type	Select the funding type associated with the transaction code from the drop-down list.
Allowed? Yes/No	Select 'Yes' if the transaction is allowed and 'No' if the transaction is not allowed (indicates whether the current Access Type / Access Value may create the associated transaction).

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7 Data Files

The Data Files Setup screen organizes information pertaining to the various input/output data files that the system can generate. The system uses the Data Files Setup screen to outline the file layouts of each data file produced/received within the system, including the length and data type of each column name.

These files are typically produced during the nightly process.

One major advantage for the system-defined data files is the format mask of each column name within each data file. A format mask is like a stencil that forces data input to be of the same format before accepting the data.

You can change the order in which the fields are displayed in the file.

Note

Any addition or removal of a field or change in the data type length requires the Software involvement.

Data Files screen consists of the following two tabs:

- Output
- Input

2.7.1 Output tab

The Output tab in the Data Files screen allows you to define the structure of output data file through the following sections:

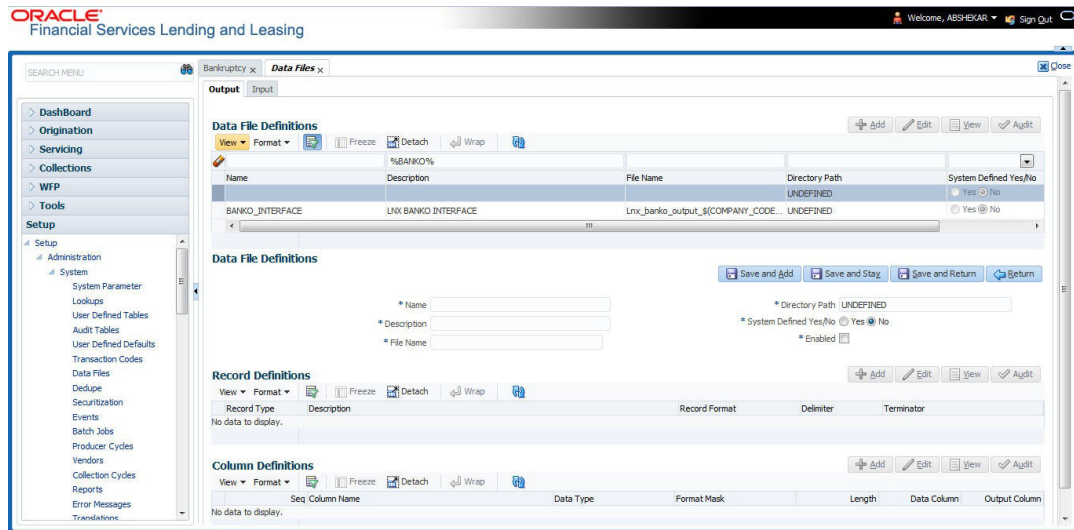
- Data File Definitions
- Record Definitions
- Column Definitions

2.7.1.1 Data File Definitions

The Data File Definitions section defines specific data files. Each is associated with a specific Output Data Definition (ODD) batch job that gathers the data that the file will contain. While new data file definitions may be created they will have no use unless a batch job is also created to populate the data.

To set up Data File Definitions

1. Click **Setup > Setup > Administration > System > Data Files > Output** tab.
2. In the **Data Files Definitions** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Name	Specify data file type (name of data file definition).
Description	Specify data file description.
File Name	Specify data file name. Prefix used for files generated for this Data File. This is the only field on the Data File Definitions screen that can or should be modified by your Administrator. The generated file name will be in the form of <FILE NAME>_<COMPANY ID>_<BRANCH ID>_<MMDDYYYY>_<PROCESS ID>.DAT. The inclusion of _<COMPANY ID> and _<BRANCH ID> depends entirely on the associated batch process.
Directory Path	Specify the directory path.
System Defined Yes/No	Select 'Yes', if you wish to maintain the data file definition as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If the entry is not system defined, then it can be modified.
Enabled	Check this box to enable the data file definition.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7.1.2 Record Definitions

Each data file definition is made up of one or more record definitions. These define organization of the data. The associated batch file determines how these records are used. The order in which the data is populated determines the order in which those records will appear in the output file. This is generally related to the order the records appear in the Data File Definition section.

1. In the **Record Definitions** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Record Type	Specify the type of record being defined.
Description	Specify record description.
Record Format	Select the format of output data (FIXED, VARIABLE) from the drop-down list.
Delimiter	Specify the delimiter (column separator used with VARIABLE format).
Terminator	Select the record terminator code (how the end of each record is indicated within the file -- CARRIAGE RETURN, LINE FEED, or CARRIAGE RETURN AND LINE FEED) from the drop-down list.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7.1.3 **Column Definitions**

Each record definition is made up of one or more column definitions. These define the output of the data. Much of this data is informational; it indicates what data is being provided by the associated batch job. Unless otherwise noted, the data should not be changed without changing the associated batch job.

1. In the **Column Definitions** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Seq	Specify the order in which the output data dump will process the column information.
Column Name	Specify name/description of the column (informational only).
Data Type	Specify the data type. This describes the type of data the column is expected to contain (CHARACTER, DATE, or NUMBER). This effects how the ODD process handles the data, and should not be changed .
Format Mask	Select the format mask for the column from the drop-down list. For DATE or NUMBER columns, this field defines the output format of the data. For example; Date fields may be entered using the MM/DD/YYYY format, Number fields may be entered as decimal numbers with varying degrees of precision. Other formats for each data type are available.

Field	Do this:
Length	Specify the column length (the maximum number of characters of the output data to be included in the output file). Each output data details column may contain up to 240 characters of data. If the output data details column contains more data than the length value the data will be truncated. For VARIABLE records the length should be set to "-1" or a Delimited file will be created with FIXED LENGTH columns.
Data Column	Specify the data column sequence. This is the column that will be used to select the data that is being output. This should not be changed.
Output Column	Specify the output column sequence. This is the column that will appear in Output File. The Output Data Dump process allows for the output of 250 columns of data per record. No output column should be repeated in the setup for a record.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7.2 Input tab

Oracle Financial Services Lending and Leasing facilitates processing of a input data file received from external interface into the system through an automated batch job (IDDPRC_BJ_000_01) triggered on regular intervals.

The Input tab in the Data Files screen allows you to define the input data file through the following sections:

- Input Data File Definitions
- Column Definitions

2.7.2.1 Input Data File Definitions

In the Input Data File Definitions section, you can define and maintain the structure of input data file to populate data from external system.

Oracle Financial Services Lending and Leasing also supports bulk upload of data into the system through input file processing for a set of process listed in Setup > Administration > System > Lookups > Lookup Code section.

Lookup Type: INCOMING_FILE_TYPE_CD

Description: INCOMING LOG FILE TYPE CODE

In addition, there is also an option for configurable bulk upload of data in which the input file delimiter is configurable to required value. For more information, refer to [Configurable Bulk Upload](#) section.

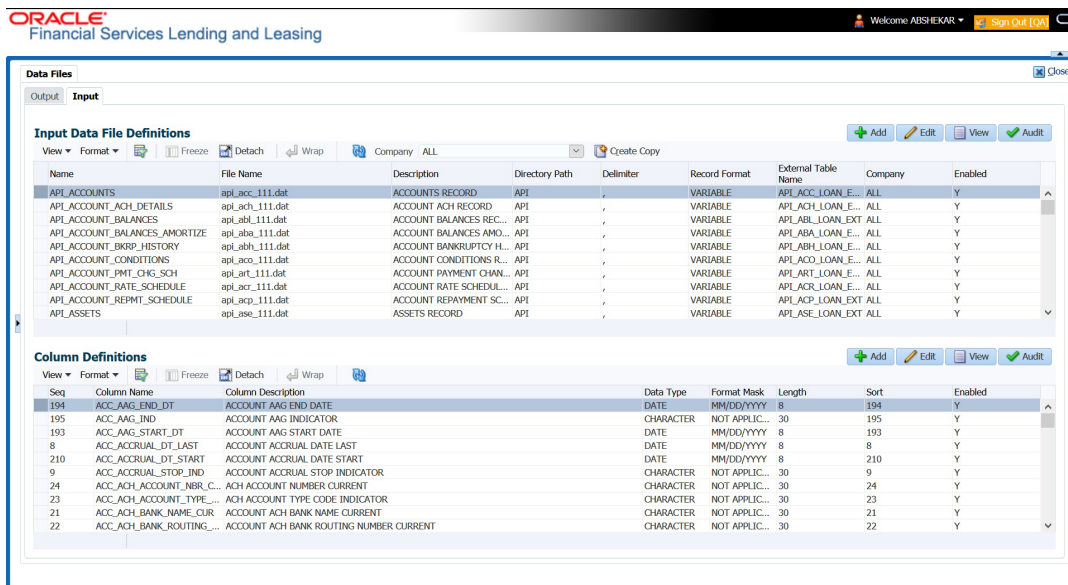
To set up Input Data File Definitions

1. Click **Setup > Setup > Administration > System > Data Files > Input tab**.
2. In the **Input Data Files Definitions** section, you can make use of the copy option to copy the Input file definition and corresponding column definitions. To do so, click on the required record in the list, select the target company for which records needs to be created from 'Company' drop-down list and click 'Create Copy'. The following records are copied:
 - ITU_TXN_UPLOAD

- ASSET_ASE_UPLOAD
- ASSET_ATA_UPLOAD
- ASSET_ATR_UPLOAD
- ASSET_AVL_UPLOAD
- CURE_LTR
- BKRP_NEW
- BKRP_UPDATE

Records for above files are created with 'External Table Name' as 'External Table Name_Company code'.

3. Perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Name	Specify a unique name for the input data file.
File Name	Specify the data file name with the correct prefix.
Description	Specify data file description.
Directory Path	Specify the directory path configured within OFSLL Database server to process the input data file.
Delimiter	Specify the delimiter used to separate column data. (Ex: Comma).
Record Format	System defaults the record format as 'VARIABLE'.
External Table Name	View the name of external table from which input data is populated.
Company	View the company name selected in external table.
Enabled	Check this box to enable the input data file definition.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7.2.2 Column Definitions

Each input data file definition is made up of one or more column definitions. These define the structure of data to be loaded from external system.

1. In the **Column Definitions** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Seq	Specify the order in which the input data dump will process the column information.
Column Name	Specify name of the column.
Column Description	Specify description of the column.
Data Type	Select the data type from the drop-down list. The selected data type describes the type of data the column is expected to contain such as INTEGER/DATE/NUMBER/CHARACTER. This effects how the input data file processing handles the data, and should not be changed.
Format Mask	Select the format mask for the column from the drop-down list. The list displays the format depending on the Data Type selected. For example; Date fields may be entered using the MM/DD/YYYY format, Number fields may be entered as decimal numbers with varying degrees of precision. Other formats for each data type are available.
Length	Specify the column length (the maximum number of characters of the data to be included in the input file). Each input data details column may contain up to 240 characters of data. If the output data details column contains more data than the length value the data will be truncated. For VARIABLE records the length should be set to "-1" or a Delimited file will be created with FIXED LENGTH columns.
Sort	Specify the order in which the column definitions are to be sorted for display in the external interface screen (Customer Service > External Interfaces). There can be a maximum of 61 column definitions.
Enabled	Default selected. If not, you can check this box to enable the column definition.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.7.2.3 Configurable Bulk Upload

In the process of configurable bulk upload of data, the input file delimiter is configurable to required value and data is processed based on the column definitions defined. This option is supported for Transactions and Collateral uploads to create new transactions and asset records in bulk.

For bulk upload of data, the input CSV (comma separated values) file is to be constructed in specific format as defined in Setup > Data Files > Input screen's 'Input Data File Definitions' and 'Column Definitions' sections.

For example, consider the following Column Definition details:

Seq	Column Name	Column Description	Data Type	Length	Sort
1	ASE_OPERATION_IND	OPERATION IND	CHARACTER	30	1
2	ASE_NBR	ASSET NUMBER	NUMERIC	30	2
3	ASE_REGN_DT	REGISTRATION DATE	DATE	30	3

If the delimiter in Input Data file definitions is set as ',' (comma), then the csv can be constructed in same format and sequence of column definition as indicated below with each row as one record:

```
ASE_OPERATION_IND,ASE_NBR,ASE_REGN_DT
NEW,20151200010476,12/08/2015
EXISTING,20111300010468,13/10/2011
NEW,20101400010812,14/11/2016
```

The CSV file is to be placed in the directory path/work area which is the base path defined in system parameter - `UIX_INCOMING_FILE_PATH` (INCOMING FILE PATH OF APP SERVER) by the system administrator and further appended by the configurable sub folder name such as ITU or ICC. For example: `/scratch/work_area/<domain name>/input/itu`.

Following are the Lookup code maintained in Setup > Administration > System > Lookups > Lookup Code section for respective process type:

Process Type	Lookup Code	Description
Transaction File Upload	ITU	TRANSACTION UPLOAD
Asset File Upload	ICC	INPUT CREATE COLLATERAL

- For Transaction File Upload, only one csv file can be created with multiple records and on processing, the data is populated into Servicing > Customer Service > Transaction > History > Transactions tab.
- For Asset File Upload, separate csv files are to be created to upload the data into Collateral Management screen's Collateral details, Valuation, Addons/Attributes, and Tracking sections respectively.

On executing the scheduled batch job in SET-IFP, `IDDP RC_BJ_000_02` (BULK INPUT DATA INSERTION), the data in csv file is processed and is displayed in Servicing Customer Service > External Interfaces tab. Such data does not need authorization and is directly uploaded on validating the sequence, position, and format.

The status of batch job can be viewed in Dashboard > System Monitor > Batch Jobs screen. The records which resulted in error are listed in the bad file.

2.8 Events

In the current version of Oracle Financial Service Lending and Leasing, the Events framework has undergone changes in the processing type from earlier Engine based framework to Entity

based framework and OFSLL is enabled to support both old and new type of events processing.

If you have upgraded from an older version of OFSLL, the existing events listed in 'Event Types' tab and action types listed in 'Event Action Types' tab will still be functional as intended but cannot be added or modified. Along with these two tabs, the data in 'Online' and 'Batch' tab are also displayed in read-only mode. However, new events and action types can only be created in 'Events' tab.

- For existing events defined in the system, refer to [Events \(Existing Framework\)](#).
- To work with new events framework, refer to [Events \(New Framework\)](#).

2.8.1 **Events (Existing Framework)**

During , when an moves from one status/sub status to another, or changes condition, the system can trigger an event and perform the associated event actions. This can occur either online or in batch mode.

Note

Only predefined events and actions can be set up on the Events Setup screen. You cannot create new event types or action types.

As processing events and associated actions require additional processing at the server level, the performance of the transactions, for which the events are setup, may be adversely affected dependent upon your specific configuration.

In the Events screen you can view "trigger events" with associated actions which the system performs during . The fields on this screen are both system and user defined. There are four sub screens on the Events screen to set up and maintain these events:

- Events Types
- Event Action Types
- Online
- Batch

Event Types and Action Types sections of this screen provide a master table for setting up the online and batch events. This setup triggers the event, which in turn triggers the actions associated with the events, during .

Navigating to Events

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Events**.

2.8.1.1 **Event Types**

Click **Setup > Setup > Administration > System > Events > > Events Types**.

2. In the Event Types tab, you can view the existing events and its details maintained in the system.

A brief description of the fields is given below:

Field:	Do this:
Event Type Code	View the event type code.

Field:	Do this:
Description	View the event description.
Process Type	View the event action processing type (BATCH or ONLINE).
Entity Type	View the entity type (ACCOUNTS or APPLICATIONS).
Engine Type	View the engine type (MONETARY TRANSACTIONS PROCESSING, NON-MONETARY TRANSACTION PROCESSING, CONDITION/ASSIGNMENT PROCESSING, APPLICATION STATUS CHANGE, CREDIT BUREAU PROCESSING, LETTERS PROCESSING or CORRESPONDENCE).
Enabled	'Y' indicates event type is enabled and 'N' indicates disabled.
System Defined	If 'Yes' indicates that the event type is system defined. If 'No' indicates that the event type is user defined.

2.8.1.2 Event Action Types

The **Event Action Types** section is system defined and lists the action codes supported in the system.

1. Click **Setup > Setup > Administration > System > Events > > Event Action Types**.

A brief description of the fields is given below:

Field:	Do this:
Action Code	View the action code.
Description	View the action description.
Process Type	View the event action processing type (BATCH or ONLINE).
Entity Type	View the entity type.
Engine Type	View the engine type.
Enabled	'Y' indicates event action type is enabled and 'N' indicates disabled.
System Defined	If 'Yes' indicates that the event action type is system defined. If 'No' indicates that the event action type is user defined.

2.8.1.3 Online

The Online tab allows you to view the online events defined in the system along with the event criteria actions. The system supports the following online events:

- CHG OFF Reversal
- Paid Off Reversal
- BKRP is closed
- BKRP Is Opened
- When Queue is Closed
- When status/ Sub status changed to 'Approved- Rehashed'

- Account condition SCHG is closed
- Account condition SCHG is Opened

To view Online Event

Click **Setup > Setup > Administration > System > Events > > Online**.

A brief description of the fields is given below:

Field:	Do this:
Event Code	View the event code.
Event Type	View the event type.
Synchronous	'S' indicates that the event is synchronous (i.e. any failure in triggering the event will fail to trigger the entire transaction). If 'A' indicates that the event is asynchronous (i.e. any failure in the event will not affect the transaction, which will be successfully completed).
Enabled	'Y' indicates event type is enabled and 'N' indicates disabled.

The **Event Criteria** section allows you to view the query defined for an event.

A brief description of the fields is given below:

Field:	Do this:
Query Name	View the query name.
Description	View the query description.
Enabled	'Y' indicates event criteria is enabled and 'N' indicates disabled.

Criteria Details

The Criteria Details sub tab allows you to view the defined selection criteria for the event. System uses these criteria to determine which to include in the event action.

A brief description of the fields is given below:

Field:	Do this:
Seq	View sequence number.
(Indicates opening bracket.
Parameter	View the parameter selected for the criteria.
Comparison Operator	View the comparison operator selected for the criteria.
Criteria Value	View the criteria value.
)	Indicates closing bracket.
Logical Expression	View the logical operator selected for the criteria.
Enabled	'Y' indicates event selection criteria is enabled and 'N' indicates disabled.

Actions

In the Actions sub tab, you can view the actions that the system performs when event is triggered. There can be more than one event action for a particular event and the Seq field defines the order in which the event action should occur.

A brief description of the fields is given below:

Field:	Do this:
Description	View the event action description.
Seq	View sequence number defined for the action.
Enabled	'Y' indicates event action is enabled and 'N' indicates disabled.

For each event action, view the **Action Parameters** defined. A brief description of the fields is given below:

Field:	Do this:
Description	View the parameter description.
Value	View the parameter value.
Required	'Y' indicates action parameter is required and 'N' indicates not-required

2.8.1.4 Batch

The Batch screen allows you to view the events performed as a batch transaction by the system. The system supports the following predefined batch events for processing. (These batch events are listed in the Events Types tab):

To view the Batch Event

Click **Setup > Setup > Administration > System > Events > > Batch**.

A brief description of the fields is given below:

Field:	Do this:
Event Code	View the event code.
Event Type	View the event type.
Frequency	View the event frequency.
Enabled	'Y' indicates event type is enabled and 'N' indicates disabled.

The **Events Criteria** section allows you to view the query name and event description defined for an event.

A brief description of the fields is given below:

Field:	Do this:
Query Name	View the query name.
Description	View the event description.

Field:	Do this:
Enabled	'Y' indicates event criteria is enabled and 'N' indicates disabled.

Criteria Details

The Criteria Details sub tab allows you to view the defined selection criteria for the event. System uses these criteria to determine which to include in the event action.

A brief description of the fields is given below:

Field:	Do this:
Seq	View sequence number.
(Indicates opening bracket.
Parameter	View the parameter selected for the criteria.
Comparison Operator	View the comparison operator selected for the criteria.
Criteria Value	View the criteria value.
)	Indicates closing bracket.
Logical Expression	View the logical operator selected for the criteria.
Enabled	'Y' indicates event selection criteria is enabled and 'N' indicates disabled.

Action

In the Actions sub tab, view the actions that the system performs after the event is triggered. There can be more than one event action for a particular event. The Seq field defines the order in which the event action should occur. System supports the following batch event actions:

- Send letter for an
- Generate correspondence for an

A brief description of the fields is given below:

Field:	Do this:
Description	View the event action description.
Seq	View sequence number defined for the action.
Enabled	'Y' indicates event action is enabled and 'N' indicates disabled.

For each event action, view the **Action Parameters** defined. A brief description of the fields is given below:

Field:	Do this:
Description	View the parameter description.
Value	View the parameter value.
Required	'Y' indicates action parameter is required and 'N' indicates not-required

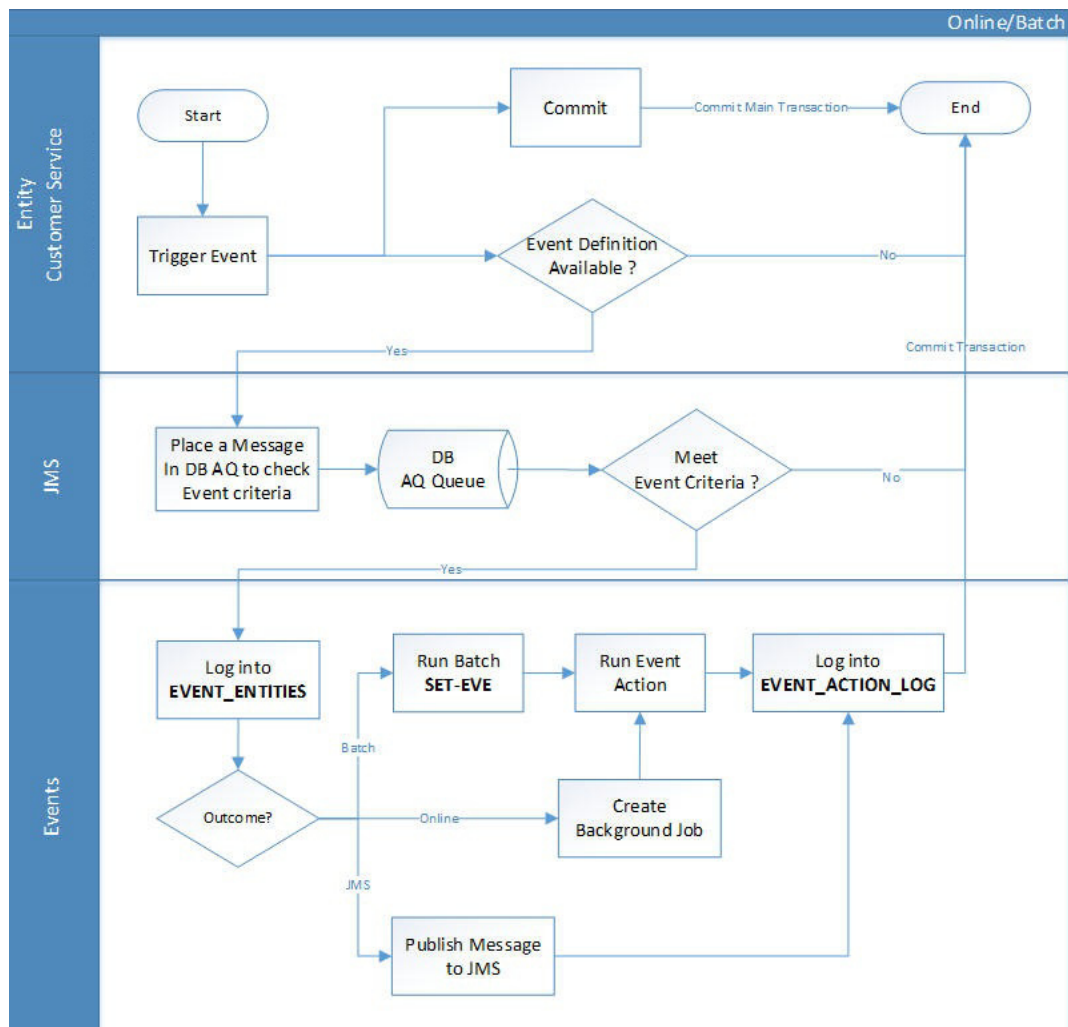
2.8.2 Events (New Framework)

Events in OFSLL refers to user/system generated actions on the system such as updating an account condition as delinquent or moving the status of a collateral from 'INACTIVE' to 'ACTIVE' and so on. Whenever such a type of event occurs some defined action can be performed by the system.

When there is change in entities like Account, Customer and so on by performing an insert/update operation on the base table, system can trigger a defined event with an associated event action to expose the same for third-party applications through JMS message or perform OFSLL actions like posting Comment/Call Activity and so on.

The Events tab serves as a common framework for Loan, Line and Lease modules. In a single flow you can define 'events' with associated actions for entities like Account, Customer and so on with the type of processing mode as either Online or Batch mode. Further, you can define one or more event criteria as a trigger when the corresponding event occurs. For each defined criteria you can define the available event action and associated action parameter(s) to initiate corresponding action in external / internal system.

Events Workflow



As per the above workflow:

- During Servicing stage, when an event is triggered, the main transaction is committed and a new parallel transaction is created to check if there is an event definition available.

- If there is an event definition available, system places an AQ (Advanced Queueing) message in database to check for any matching event criteria. There can be one or more criteria for an event in database which is further evaluated to get the matching criteria. On identifying a matching criteria, the defined event with criteria is logged into event entities.
- Based on the Event Type, system executes the associated Event Actions.
 - If the event is configured to Batch mode, the event action is performed when the following batch jobs - EVEPRC_BJ_100_01 (BATCH EVENTS PROCESSING for the Entities Account/Application/Assets) and/or EVEPRC_BJ_100_03 (BATCH EVENTS PROCESSING for the Entities Customer/Business/Vendors/Producers) is executed.
 - If the event is configured to Online mode, system performs the corresponding actions immediately.
- If the Event Action is defined as JMS, a json message is generated with the below format. You can configure additional details into the message by using response User Defined Tables. The data added in this table will be represented in Custom Block as illustrated in the example below.

```
{
  "EventDetail": {
    "EventID": 8535,
    "EventType": "ACC_CREATE",
    "EventMessage": "ACO CREATE ACCOUNT LINE",
    "EntityNbr": "201XXXXXX9",
    "EventStartDt": "2019-04-05T02:48:35",
    "EventProcessedDt": "2019-04-05T02:48:35",
    "Custom": [
      {
        "CustomTabName": "User Defined Table 1",
        "DateData": [{
          "KeyName": "CreationDate",
          "KeyValue": "2017-12-18T00:00:00"
        }],
        "NumberData": [{
          "KeyName": "BusinessPhoneNumber",
          "KeyValue": 1234567890
        }],
        "StringData": [{
          "KeyName": "OrgName",
          "KeyValue": "Oracle"
        }]
      },
      {
        "CustomTabName": "User Defined Table 2",
        "DateData": [{
          "KeyName": "CreationDate",
          "KeyValue": "2017-12-18T00:00:00"
        }],
        "NumberData": [{
          "KeyName": "BusinessPhoneNumber",
          "KeyValue": 1234567890
        }],
        "StringData": [{
          "KeyName": "OrgName",
          "KeyValue": "Oracle"
        }]
      }
    ]
  }
}
```

- The following table indicates parameters available for JMS action type definition.

Parameter	Description	Display
EVENTID	System Generated Sequence	N
EVENTTYPE	Lookup Code of Event Type Code	N
EVENTMESSAGE	User entered event action message.	Y
ENTITYNBR	Entity Number. For example, Account / Customer Number	N
EVENTSTARTDATE	Event Generation Date and Time	N
EVENTPROCESSDATE	Event Process Date and Time	N

Note

The parameter marked as 'Y' in Display column are only available in event action screen for user configuration. Other parameters are system defined and will be part of every event.

- For each Event Action, there is a User Defined Table maintained in the system and the same is configurable. There is also User Defined Table maintained based on Response Parameters and the response fields can be used to configure Entity Key, Non-Key and Data columns for custom block of json message. Following combination of Event to UDT mapping are maintained in the system:
 - Entity Type | Event | Criteria UDT Type
 - Entity | Event Action | UDT Type | UDT Response Type

For complete list of the Events and Actions mapping maintained in the table 'event_action_type_mapping', refer to the reference below:

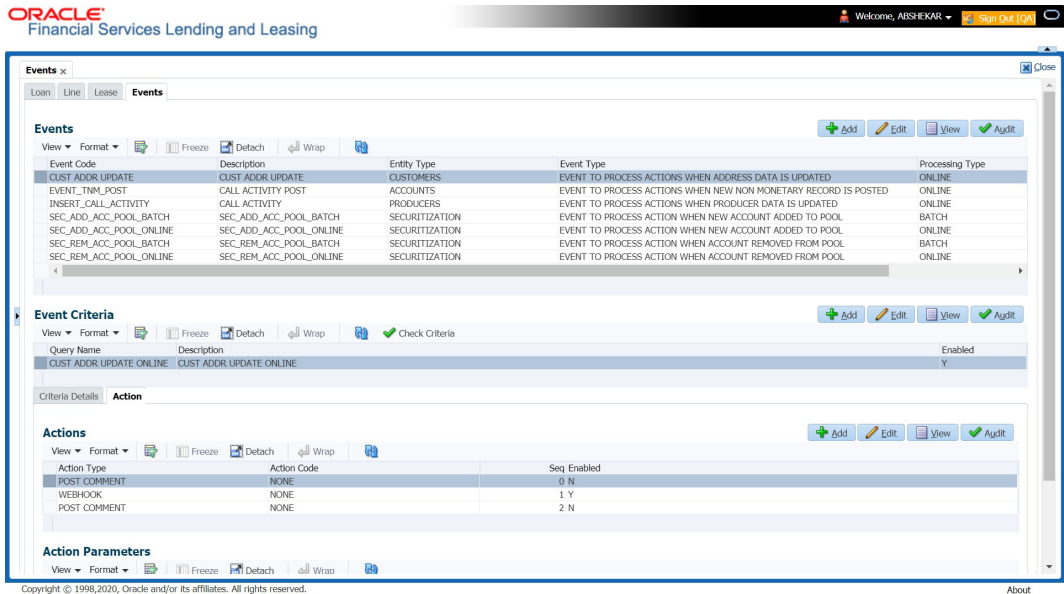
https://docs.oracle.com/cd/F35490_01/pdf/refdocs/Events_UDT_Mapping.pdf

Navigating to Events

On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Administration > System > Events > Events** tab.

To define an Event

- Click **Setup > Setup > Administration > System > Events > > Events** tab.



A brief description of the fields is given below:

Field:	Do this:
Event Code	Specify the unique event code.
Description	Specify the event description.
Entity Type	Select the entity type as either ACCOUNTS or CUSTOMERS from the drop-down list. The list is populated based on EVENT_ENTITY_TYPE_CD lookup code.

Field:	Do this:
Event Type	Select the event identification type for the entity from the drop-down list. The list is populated based on EVENT_TYPE_CD lookup code.
Processing Type	Specify the processing type as either ONLINE or BATCH from the drop-down list. The list is populated based on EVENT_PROCESS_TYPE_CD lookup code. - For Online events, when the event is triggered corresponding actions are processed immediately. Here all the event action executions are asynchronous and does not impact main transaction. - For Batch events, the event is triggered when the following batch jobs - EVEPRC_BJ_100_01 (BATCH EVENTS PROCESSING for the Entities Account/Application/Assets) and/or EVEPRC_BJ_100_03 (BATCH EVENTS PROCESSING for the Entities Customer/Business/Vendors/Producers) is executed and actions are processed.
Enabled	Check this box to activate the event type.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

In the **Event Criteria** sub tab, you can create a query to an event.

3. In the **Event Criteria** sub tab, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Query Name	Specify the unique query name.
Description	Specify the event criteria description.
Enabled	Check this box to enable the event criteria.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Criteria Details

The Criteria Details sub tab allows you to define the selection criteria for the event. System uses these criteria to determine which to include in the event action.

5. In the **Criteria Details sub tab**, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Seq	Specify sequence number.
(Specify the opening bracket.
Parameter	Select the parameter from the drop-down list.

Field:	Do this:
Comparison Operator	Select comparison operator from the drop-down list.
Criteria Value	Specify the criteria value.
)	Specify the closing bracket.
Logical Expression	Select the logical operator from the drop-down list.
Enabled	Check this box to enable the criteria details.

6. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Actions

In the Actions sub tab, you can define the event action that the system need to perform when the event is triggered. You can define more than one event action for a particular event and use the Seq field to define the order in which the event action should occur.

7. In the **Action** sub tab, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Action Type	Select the action type from the drop-down list. The list is populated based on EVENT_ACTION_TYPE_CD lookup code.
Action Code	The action code is displayed as 'None' by default.
Seq	Specify the sequence number of executing the event action.
Enabled	Check this box to enable the event action.

8. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Action Parameters

In the **Action Parameters** sub tab, you can define the action parameters with corresponding values for each event action.

9. To define the Action Parameters, in the **Action** sub tab, click Add or Edit. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter.

10. Click 'Load Parameters'. The applicable Action Parameters are loaded for update.

A brief description of the fields is given below:

Field:	Do this:
Description	System auto populate the description from user defined table based on Action code selected.

Field:	Do this:
Value Type	<p>Select the value type as either CONSTANT or SYSTEM DRIVEN or USER INPUT to be included during event action execution from the drop-down list. The list is populated based on EVENT_VALUE_TYPE_CODE lookup code.</p> <p>For SEND CORRESPONDENCE Action Type, there are additional parameters - USER DEFINED ELEMENT and USER DEFINED CONSTANT available in Setup > Correspondence screen to provide input during execution of Event Action. The same is available in Events screen and can be modified before triggering the event action.</p>
Value	<p>If the Value Type is selected as CONSTANT, specify the required action parameter value.</p> <p>If the Value Type is selected as SYSTEM DRIVEN, you can add the following values for system to derive the parameter values during the execution of the Event.</p> <p>\$GLDATE - GL DATE System Parameter Value</p> <p>\$PAYMENTAMOUNT - Account Monthly Payment Amount</p> <p>\$OUTSTANDINGAMOUNT - Account Total Outstanding Amount</p> <p>\$RATE - Account Rate</p> <p>\$TOTALTERM - Account Total Term</p> <p>\$AVAILABLETERM - Account Available Term</p>
Required	'Y' indicates the action parameter is required, else No.

11. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.8.3 **Monitoring JMS Event Actions**

You can verify the status of events and event actions on the Monitor Jobs screen of the System Monitor screen.

To monitor events

1. On the Oracle Financial Services Lending and Leasing home screen, click **Dashboard > Dashboard > System Monitor > JMS Queues**.

The JMS Queues screen displays the 'Status' for all asynchronous events processed in the system.

For more details, refer to Dashboard > System Monitor section in any of the User Guides.

2.9 **Batch Jobs**

"Batch jobs" refer to the back-end processes that automatically run at a certain time. There are two types of batch jobs:

- Business processes (such as billing and delinquency processing)
- Housekeeping tasks (such as application aging and application purging)

2.9.1 **Batch Jobs**

The Batch Job screen allows you to set up, monitor, and maintain batch jobs in the system.

Batch jobs can be set up to be performed on a daily, weekly, monthly, and ad-hoc basis. Batch jobs can also be configured to trigger an e-mail or phone message if a batch job fails.

Critical batch jobs control job flow and system date rollover to allow recovery during errors. Errors are instances where a process did not successfully complete. Failures indicate that a particular job encountered errors that require remedial action. The number of errors allowed before failure is defined for each job. Some errors automatically result in a failure.

Navigating to Batch Jobs:

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Administration > System > Batch Jobs**. The Batch Jobs details are further grouped into two tabs:
 - Batch Jobs tab
 - Job Holidays tab

2.9.1.1 Batch Jobs

In the Batch Job Setup screen, you can track and maintain all batch processes within the system. Using this form, the system administrator can configure the frequency and start time of each batch process, as well as set the number of threads to improve performance.

“Threading” allows a specific job to be separated into smaller units that are processed at the same time. This allows Oracle Financial Services Lending and Leasing to complete the job in less time.

You can set up multiple batch jobs within a batch set. In the Batch Job Sets section, each process is listed with the last run date (Last Run Dt field) and the next scheduled process date (Next Run Dt field). In the Freq Code and Freq Value fields, you can determine the frequency of each batch set, such as daily, weekly and monthly. You can also set up batch sets to incorporate a dependency on another batch set. This way, if the initial batch fails, the dependent set will not be processed.

In the Batch Jobs section, you can configure the process to run on weekends and holidays using the respective option boxes.

CAUTION: As the batch job setup widely affects the Oracle Financial Services Lending and Leasing system, Oracle Financial Services Software suggests that the system administrator has a clear understanding of the various functionalities within Oracle Financial Services Lending and Leasing before creating and updating the batch processes.

For the standard job set please review the Visio document, **dbk_std_detail_design_job_sets.vsd**

Configure Batch Jobs at Company Level

OFSLL is enabled to process the configured batch jobs at each Company level giving a flexibility to schedule and run batch job or EOD processing at desired time zone. Irrespective of Company or Branch, the batch jobs can be run independently on specific time in scheduler. For more details on configuring the batch job at each company definition level, refer to Appendix - Configuration at Company Level chapter.

To setup a Batch job

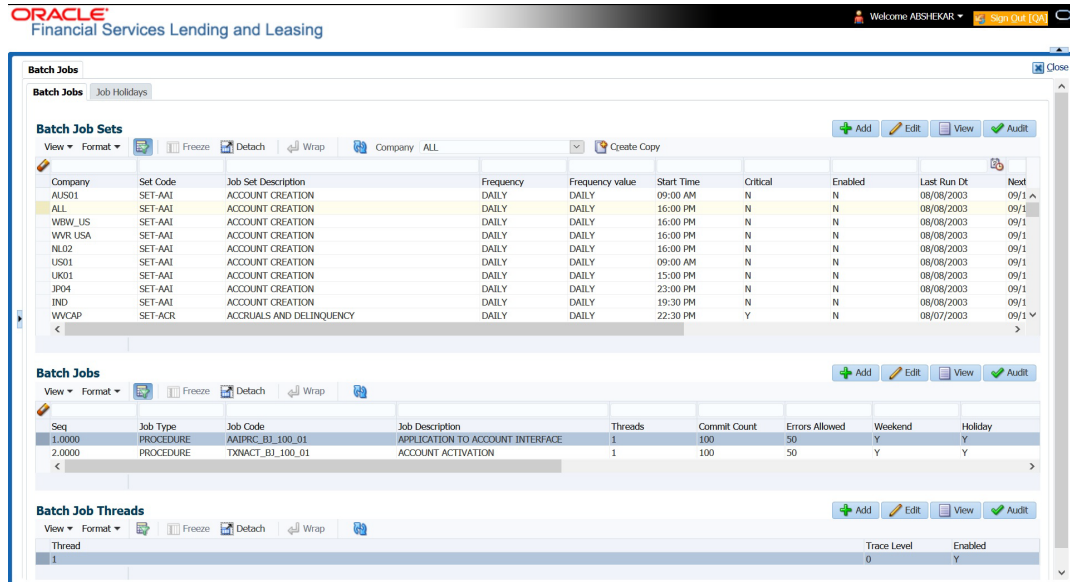
1. Click **Setup > Setup > Administration > System > Batch Jobs**.
2. In the **Batch Job Sets** section, you can make use of the copy option to copy the whole batch job set at one go with header and detailed records for each company definition. To do so, select the Company from drop-down list and click 'Create Copy'. System copies the batch job sets from the selected Company record to the Company selected from drop-

down list. All those batch job set which are not already available in the selected Company are copied.

Note that:

- The ‘Create Copy’ option can be used multiple times.
- The Company drop-down list is displayed based on the User Access defined for the logged-in user.

3. Perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Company	Select the company from the drop-down list. The list is populated only with those Company Definitions to which you have been provisioned access. This company is considered if system is setup to process batch jobs at Company level. For more information, refer to 'Appendix - Company Level GL Date Configuration' section.
Set Code	Specify the code for the batch job set.
Job Set Description	Specify the description for the batch job set.
Frequency	Select the frequency at which the job set is to be executed from the drop-down list.
Frequency Value	Select the frequency value from the drop-down list. The frequency value will be displayed based on the frequency code selected.
Start Time	Specify the start time for the job set.
Critical	Check this box to set job as critical. A "critical" job is one that prevents the General Ledger (GL) post date from rolling forward, should the job fail.
Enabled	Check this box to enable the job set.

Field:	Do this:
Last Run Dt	The system displays the last run date of the job set.
Next Run Dt	Specify the next run date for job set. You can select the data from adjoining calendar icon.
Parent	Select the parent job set from drop-down list.
Dependency	Select the type of dependency on the parent from drop-down list.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
5. In the **Batch Job** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Seq	Specify the batch job sequence number. Note: Within a job set, jobs are executed sequentially based on the sequence number assigned.
Job Type	Select the batch job request type from the drop-down list.
Job Code	Specify the batch job request code.
Job Description	Specify the batch job description.
Threads	The system displays the number of threads used by the job.
Commit Count	Specify the number of rows after which auto-commit is triggered.
Errors Allowed	Specify the number of errors allowed.
Weekend	Check this box to perform batch jobs on weekend.
Holiday	Check this box to perform batch jobs on a holiday. (Holidays are defined on the Job Holidays screen.)
Enabled	Check this box to enable the batch job.
Parent	Select the parent batch job from the drop-down list.
Dependency	Select the dependency clause of the batch job from the drop-down list.
Command	Specify the command line for the job (required).
RollbackSegment	If you choose, use this field to specify the rollback segment for job.

6. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
7. In the **Batch Job Thread** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Thread	Specify the name of thread.
Trace	Specify the SQL trace level (0, 1, 4, 8, 12). The higher the number, the more activities the system can trace.
Enabled	Check this box to enable the thread.

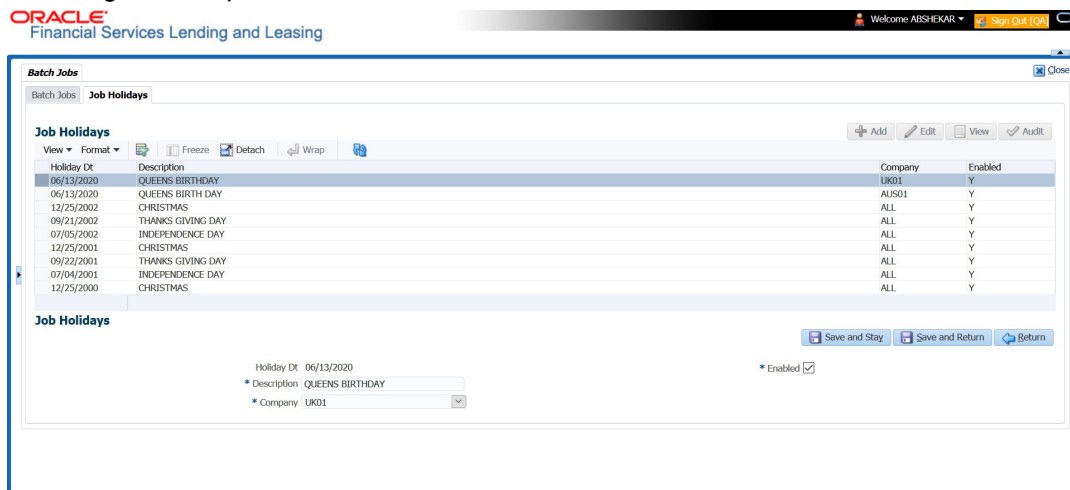
8. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.9.1.2 Job Holidays

The system allows you to define holidays within the company on Job Holidays screen. You can then use the Batch jobs screen to set up whether you want the system to perform batch jobs on these days or not, using the Holiday box of Batch Jobs section .

To define job holidays

1. Click **Setup > Setup > Administration > System > Batch Jobs > Job Holidays**.
2. In the **Job Holidays** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Holiday Dt	Specify the date of the job holiday. You can select the date from the adjoining calendar icon.
Description	Specify the job holiday description (required).
Company	Select the company from the drop-down list. The list is populated only with those Company Definitions to which you have been provisioned access. This company is considered if system is setup to process holiday at Company level. For more information, refer to 'Appendix - Company Level GL Date Configuration' section.
Enabled	Check this box to enable the holiday.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.9.2 Batch Jobs Available

The below table provides a list of Batch Jobs maintained in the system and a brief description to each:

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
AAE	Application Account Interface	aaiprc_bj_100_01	APPLICATION TO ACCOUNT INTERFACE	No	Yes	No	Common	This process periodically picks up applications in 'Approved-Verified' status and creates accounts.
ACH	ACH Accounts	acaprc_bj_100_01	ACCOUNT ACH PROCESSING	No	Yes	No	Common	This process produces the ACH file for the eligible customer payments.
ACH	ACH Producers	acpprc_bj_100_01	PRODUCER ACH PROCESSING	Yes	Yes	No	Common	This process produces the ACH file for the eligible producer payments.
ACH	ACH Vendors	acvprc_bj_100_01	VENDOR ACH PROCESSING	No	Yes	No	Common	This process produces the ACH file for the eligible vendor payments.
ACH	ACH Producer/Vendors/ Customer/ Third Party	acxprc_bj_100_01	ACH Producer/Vendors/ Customer/ Third Party	Yes	Yes	No	Common	This process produces the ACH file for the eligible Producer/Vendors/ Customer/Third Party
AGE	Aging Applications	agaapp_bj_100_01	APPLICATION AGING PROCESS	Yes	No	No	Common	This process puts applications into 'Aged-Application' substatus.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
AGE	Aging Contracts	agcco-n_b-j_100_01	CONTRACT AGING PROCESS	Yes	No	No	Common	This process puts contracts into 'Aged-Contract' substatus.
ALT-PFS	ALLOTMENT EXTRACT FILE DUMP	PFSEFT-PRC_B-J_111_01	BACKUP EFT	No	Yes	No	Common	This process creates the Backup EFT file
ALT-PFS	ALLOTMENT EXTRACT FILE DUMP	PFSL-BAPRC_BJ_100_01	POSTING ALLOTMENT PAYMENTS	No	Yes	No	Common	This process posts the payments from the allotment file received from the bank
ALT-PFS	ALLOTMENT EXTRACT FILE DUMP	PFSOD-DALT_B-J_100_01	ALLOTMENT EXTRACT FILE DUMP	No	Yes	No	Common	This process sends the allotment draft notice to the bank
ALT-PFS	ALLOTMENT EXTRACT FILE DUMP	PFSNS-FPRC_BJ_100_01	NSF BATCH	No	Yes	No	Common	This process posts the NSF file received from the bank
API	API Accounts	accaa-i_b-j_100_01	API AAI	No	Yes	No	Common	This process creates accounts from validated conversion applications/contracts
API	API Accounts	accd-mp_b-j_100_01	MOVE API_XX TO ITABS	No	Yes	No	Common	This process copies data from conversion API tables to conversion applications table

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
API	API Accounts	accval_bj_111_01	VALIDATE ITABS (LOAN)	No	Yes	No	Loan	This process validate all conversion applications loan accounts by running the edits
API	API Accounts	accval_bj_112_01	VALIDATE ITABS (LINE)	No	Yes	No	Line	This process validate all conversion applications line of credit accounts by running the edits
API	API Accounts	acm-prc_bj_100_01	LOAD API_COMMENTS	No	Yes	No	Com	This process creates account comments from conversion applications/contracts
API	API Accounts	APID-MP_B-J_100_01	LOAD API RECORDS	No	Yes	Yes	Com	<p>This process directly reads data from database folder and using the external tables loads it into API tables for creating accounts.</p> <p>This eliminates the need/dependency of SQL loader and Control files.</p> <p>Ensure that account data in Input file has same structure as defined in Setup > Data Files > Input definition specifically for Loan, Line & Lease accounts.</p>
COL	Appointment Cancellation	cap-prc_bj_100_01	APPOINTMENT CANCEL PROCESSING	No	Yes	Yes	Com	This process cancels all the expired appointments.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
COL	Payment Promise Processing	cppprc_bj_100_01	BROKEN PROMISE PROCESSING	No	Yes	No	Common	This process updates any broken promises as of the run time.
CRB	Credit Bureau Reporting	cbuutl_bj_100_01	CREATE METRO2 FILE	No	Yes	No	Common	This process creates the METRO2 file for Credit Bureau reporting for the specified date.
DOT	Document Tracking Load	dolprc_bj_000_01	ACCOUNT DOCUMENT LOAD	No	Yes	Yes	Common	This process reads acct_doc_load directory. Attach the documents to specified accounts and move documents to appropriate directory
DLX	Accounts Dialer Exclusion	ODX-PRC_B-J_100_01	ACCOUNTS DIALER EXCLUSION	No	Yes	Yes	Common	This process generates a dialer exclusion file with account details and checks if the maintained call action result entry is made on any account during the specified time interval.
GLP	GL Interface	gliprc_bj_100_01	GL SUMMARIZATION	No	Yes	No	Common	This process summarizes GL transactions for the day.
GOV	Debt Reporting IRS 1099A / 1099C	gdraap_bj_100_01	IRS 1099-A PROCESSING	No	Yes	No	Common	This process generates the 1099-A flat file for government reporting.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
GOV	Debt Reporting IRS 1099A / 1099C	gdrCAD_bj_100_01	IRS 1099-C PROCESSING	N	Y	N	C	This process generates the 1099-C flat file for government reporting.
GOV	HMDA Reporting	ghr-prc_bj_100_01	IRS HMDA PROCESSING	Y	N	N	C	This process generates the HMDA flat file for government reporting.
GOV	Interest Reporting IRS 1098	girprc_bj_100_01	IRS 1098 PROCESSING	N	Y	N	C	This process generates the 1098 flat file for government reporting.
JOB	Scheduler	jsctst_bj_000_01	Scheduler	Y	Y	Y	C	This process test the job scheduler
LBP	Lockbox	lbxprc_bj_100_01	LOAD LOCKBOX PROCESSING	N	Y	N	C	This process loads any lockbox files available. This process can be set to run periodically throughout the day.
LNT	Lien Tracking	OFD-PRC_B-J_111_03	OUTPUT LIEN TRACKING FOR DATA CHANGE	N	Y	N	C	This process generates output file with changes in customer information such as Address/Phone no./Borrower/Co-borrower name.
LNT	Lien Tracking	OFD-PRC_B-J_111_04	OUTPUT LIEN TRACKING FOR VOID ACCOUNT	N	Y	N	C	This process generates output file for 'Void Accounts' to be sent to dealer track.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
LTR	Collections Letter	lcolt1_b-j_100_01	GENERATE FIRST COLLECTION LETTER	N o	N o	Y e s	C o m m o n	This process generates the first collection letter for eligible accounts.
LTR	Collections Letter	lcolt2_b-j_100_01	GENERATE SECOND COLLECTION LETTER	N o	N o	Y e s	C o m m o n	This process generates the second collection letter for eligible accounts.
LTR	Collections Letter	lcolt3_b-j_100_01	GENERATE THIRD COLLECTION LETTER	N o	N o	Y e s	C o m m o n	This process generates the third collection letter for eligible accounts.
LTR	Customer Service Letter	lcspdf_b-j_111_01	PAID IN FULL LETTER	N o	Y e s	N o	L o o a n	This process generates the paid-in-full letter for the relevant accounts.
LTR	Customer Service Letter	lcsपो-q_b-j_111_01	PAYOFF QUOTE LETTER	N o	Y e s	N o	C o m m o n	This process generates the payoff quote letter for the requested accounts.
LTR	Customer Service Letter	lcsst-m_b-j_100_01	CUSTOMER STATEMENT LETTER	N o	Y e s	N o	C o m m o n	This process generates the customer/business statement letter for requested accounts.
LTR	Customer Service Letter	lcswel_b-j_111_01	WELCOME LETTER	N o	Y e s	N o	L o o a n	This process generates the welcome letter for the newly funded accounts.
LTR	Origination Letter	loraco_b-j_111_01	Origination Adverse Action Letter(Conditional) (Loan)	Y e s	N o	N o	L o o a n	This process generates the adverse action letter for relevant applications.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
LTR	Origination Letter	loradv_b-j_111_01	Origination Adverse Action Letter (Loan)	Y e s	N o	N o	L o a n	This process generates the adverse action letter for relevant applications.
ODD	Coupon Book Dump File	ocn-prc_b-j_100_01	CUSTOMER COUPON BOOK GENERATION	N o	Y e s	N o	C o m m o n	This process generates coupon books, if appropriate.
ODD	Output Data Dump File	odd-prc_b-j_000_01	CREATE OUTPUT DATADUMP FILES	Y e s	Y e s	Y e s	C o m m o n	This process creates any defined output data dump files set in the system.
ODD	Collections Letter	olclt1_b-j_100_01	COLLECTION LETTER 1 FILE CREATION	N o	N o	Y e s	C o m m o n	This process generates the first collection letter for eligible accounts.
ODD	Collections Letter	olclt2_b-j_100_01	COLLECTION LETTER 2 FILE CREATION	N o	N o	Y e s	C o m m o n	This process generates the second collection letter for eligible accounts.
ODD	Collections Letter	olclt3_b-j_100_01	COLLECTION LETTER 3 FILE CREATION	N o	N o	Y e s	C o m m o n	This process generates the third collection letter for eligible accounts.
ODD	Origination Letter	olo-aco_b-j_100_01	ADVERSE ACTION CONDITIONAL LETTER FILE CREATION	Y e s	N o	N o	C o m m o n	This process generates the adverse action letter for relevant applications.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
ODD	Origination Letter	oload-v_b-j_100_01	ADVERSE ACTION LETTER FILE CREATION	Y e s	N o	N o	C o m m o n	This process generates the adverse action letter for relevant applications.
ODD	Customer Service Letter	olspdf_b-j_100_01	PAID IN FULL FILE CREATION	N o	Y e s	N o	C o m m o n	This process generates the paid-in-full letter for the relevant accounts.
ODD	Customer Service Letter	olspo-q_b-j_100_01	PAY OFF QUOTE FILE CREATION	N o	Y e s	N o	C o m m o n	This process generates the payoff quote letter for the requested accounts.
ODD	Customer Service Letter	ols-wel_b-j_100_01	WELCOME LETTER FILE CREATION	N o	Y e s	N o	C o m m o n	This process generates the welcome letter for the newly funded accounts.
ODD	Producer Statement Dump File	opsprc_b-j_100_01	DEALER STATEMENTS GENERATION	N o	Y e s	N o	C o m m o n	This process generates the dealer/producer statements at the specified frequency.
ODD	Customer Statement Dump File	ostprc_b-j_100_01	CUSTOMER STATEMENTS GENERATION	N o	Y e s	N o	C o m m o n	This process generates the customer/business statement for eligible accounts.
PRQ	Payable Requisition Customer	pcu-prc_b-j_100_01	CUSTOMER REFUND PAYMENT REQUISITIONS	N o	Y e s	N o	C o m m o n	This process creates requisitions for customer/business overpayment refunds.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PRQ	Payable Requisition Producer	ppores_bj_100_01	MONTH END DEALER RESERVE PAYMENT REQUISITIONS	N o	Y e s	N o	C o m m o n	This process creates requisitions for dealer compensation payments on month-end.
PRQ	Payable Requisition Vendor	pvn-prc_bj_100_01	VENDOR INVOICE PAYMENT REQUISITIONS	N o	Y e s	N o	C o m m o n	This process creates requisitions for vendor invoice payments
PUR	Archive Accounts	pacarc_bj_100_01	ARCHIVE ACCOUNT DATA TO OTABLES	N o	Y e s	Y e s	C o m m o n	This process archives account data from ACCOUNTS table to OACCOUNTS table.
PUR	Archive Accounts	pacarc_bj_100_02	ARCHIVE ACCOUNT DATA TO OOTABLES	N o	Y e s	Y e s	C o m m o n	This process archives account data from OACCOUNTS table to OOACCOUNTS table.
PUR	Archive Applications	paparc_bj_100_01	ARCHIVE APPLICATION DATA TO OTABLES	Y e s	N o	N o	C o m m o n	This process archives application-related data from APPLICATIONS to OAPPLICATIONS table.
PUR	Archive Applications	paparc_bj_100_02	ARCHIVE APPLICATION DATA TO OOTABLES	Y e s	N o	N o	C o m m o n	This process archives application-related data from OAPPLICATIONS to OOAPPLICATIONS table.
PUR	Archive GL	pglarc_bj_100_01	ARCHIVE GL DATA TO OTABLES	N o	Y e s	Y e s	C o m m o n	This process archives General Ledger data from GL tables to OGL tables.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	Archive GL	pglarc_bj_100_02	ARCHIVE GL DATA TO OOTABLES	No	Yes	Yes	Common	This process archives General Ledger data from OGL tables to OOGGL tables.
PUR	Purge Job Requests	pjrjrj_bj_100_01	Purge Job Requests	Yes	Yes	Yes	Common	This process purges job requests from the system.
PUR	Purge Output Data Dump	pododh_bj_100_01	PURGE OUTPUT DATA HEADERS	No	Yes	Yes	Common	This process purges Output Data Headers from the system.
PUR	Archive Securitization	ppaarc_bj_100_01	ARCHIVE POOL DATA TO OTABLES	No	Yes	No	Common	This process archives securitization data from TABLE to corresponding OTABLE.
PUR	Archive Securitization	ppaarc_bj_100_02	ARCHIVE POOL DATA TO OOTABLES	No	Yes	No	Common	This process archives securitization data from OTABLE to corresponding OOTABLE.
PUR	Archive Producers	pprarc_bj_100_01	ARCHIVE PRODUCER DATA TO OTABLES	Yes	Yes	Yes	Common	This process archives producer data from PRODUCERS table to OPRODUCERS table.
PUR	Archive Producers	pprarc_bj_100_02	ARCHIVE PRODUCER DATA TO OOTABLES	Yes	Yes	Yes	Common	This process archives producer data from OPRODUCERS table to OOPRODUCERS table.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	Archive Producers Txns	ppx-arc_b-j_100_01	ARCHIVE PRODUCER TXNS DATA TO OTABLES	No	Yes	No	Common	This process archives producer transaction data from PRODUCERS table to OPRODUCERS table.
PUR	Archive Producers Txns	ppx-arc_b-j_100_02	ARCHIVE PRODUCER TXNS DATA TO OOTABLES	No	Yes	No	Common	This process archives producer transaction data from OPRODUCERS table to OOPRODUCERS table.
PUR	Archive Statements	pstarc_b-j_100_01	ARCHIVE ACCOUNT STATEMENT AND TXNS DATA TO OTABLES	No	Yes	No	Common	This process archives account statement and transaction data from TABLE to corresponding OTABLE.
PUR	Archive Statements	pstarc_b-j_100_02	ARCHIVE ACCOUNT STATEMENT AND TXNS DATA TO OOTABLES	No	Yes	No	Common	This process archives account statement and transaction data from OTABLE to OOTABLE.
PUR	Terminate User	ptuus-r_b-j_100_01	Terminate User	Yes	Yes	Yes	Common	This process terminates user satisfying the selection criteria.
PUR	Archive Txns (To O tables)	ptxarc_b-j_100_01	ARCHIVE TXNS DATA TO OTABLES	No	Yes	No	Common	This process archives data from TXNS table to OTXNS table.
PUR	Archive Txns (To OO tables)	ptxarc_b-j_100_02	ARCHIVE TXNS DATA TO OOTABLES	No	Yes	No	Common	This process archives data from OTXNS table to OOTXNS table.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	Purge User Logins	pululg_bj_100_01	Purge User Logins	Yes	Yes	Yes	Common	This process purges user login data from the system.
PUR	Archive Vendor Assignments	pvaarc_bj_100_01	ARCHIVE VENDOR ASSIGNMENTS DATA TO OTABLES	No	Yes	Yes	Common	This process archives vendor assignment data from TABLE to OTABLE. The criteria for archival is based on following validation - Work Order Status = Closed / Completed / Repossessed + Days mentioned in system parameter 'PVA_ARCHIVE_DAYS'.
PUR	Archive Vendor Assignments	pvaarc_bj_100_02	ARCHIVE VENDOR ASSIGNMENTS DATA TO OOTABLES	No	Yes	Yes	Common	This process archives vendor assignment data from OTABLE to OOTABLE based on the days mentioned in system parameter 'PVA_OARCHIVE_DAYS'.
PUR	Archive Vendor Invoices	pviarc_bj_100_01	ARCHIVE VENDOR INVOICES DATA TO OTABLES	No	Yes	Yes	Common	This process archives vendor invoice data from TABLEs to OTABLEs. The criteria for archival is based on following validation - Invoice Status = 'Close' + Days mentioned in system parameter 'PVI_ARCHIVE_DAYS'.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	Archive Vendor Invoices	pviarc_bj_100_02	ARCHIVE VENDOR INVOICES DATA TO OOTABLES	No	Yes	Yes	Common	This process archives vendor invoice data from OTABLEs to OOTABLEs based on the days mentioned in system parameter 'PVI_OARCHIVE_DAYS'.
PUR	Archive Vendors	pvearc_bj_100_01	ARCHIVE VENDORS DATA TO OTABLES	No	Yes	Yes	Common	This process archives vendor invoice data from TABLEs to OTABLEs. The criteria for archival is based on following validation - Vendor end date is less than system date - Days mentioned in system parameter 'PVE_ARCHIVE_DAYS'.
PUR	Archive Vendors	pvearc_bj_100_02	ARCHIVE VENDORS DATA TO OOTABLES	No	Yes	Yes	Common	This process archives vendor invoice data from OTABLEs to OOTABLEs based on the days mentioned in system parameter 'PVE_OARCHIVE_DAYS'.
QUE	Queue Customer Service	qcsprc_bj_100_01	CUSTOMER SERVICE QUEUE PROCESSING	No	Yes	Yes	Common	This process creates the customer service/collections queues
SET-QCS	QUEUES	QCCPRC_BJ_100_01	CRITERIA BASED CONDITION POSTING	No	Yes	Yes		This process facilitates to post criteria based conditions on Account.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
SET- QRT	REAL TIME QUEUES	QCCPR C_B- J_100_0 2	CRITERIA BASED CONDI- TION POST- ING REAL TIME PRO- CESSING		Y	Y		This batch job pro- cesses criteria based condition posting queues marked as real time based on refresh frequency setup in the job set.
RDB 1	RDB1 Accounts	racd- mp_b- j_100_01	Data Dump Accounts	N o	Y e s	Y e s	C o m m o n	This process trans- fers the account data from (OLTP) Regular tables to Temporary T tables
RDB 1	RDB1 Appli- cations	rapd- mp_b- j_100_01	LOAD APPLICA- TION RELATED DATA INTO T TABLES	Y e s	N o	N o	C o m m o n	This process trans- fers the applica- tion data from (OLTP) Regular tables to Tempo- rary T tables
RDB 1	RDB1 Asset Tracking	ratd- mp_b- j_100_01	LOAD ASSET RELATED DATA INTO T TABLES	N o	Y e s	N o	C o m m o n	This process trans- fers the account asset data from (OLTP) Regular tables to Tempo- rary T tables
RDB 1	RDB1 Bank- ruptcy	rbkd- mp_b- j_100_01	LOAD BANK- RUPTCY DATA TO T TABLES	N o	N o	Y e s	C o m m o n	This process trans- fers the account bankruptcy data from (OLTP) Regu- lar tables to Tem- porary T tables
RDB 1	RDB1 Call Activities	rcad- mp_b- j_100_01	LOAD CALL ACTIVITIES DATA INTO T TABLES	N o	N o	Y e s	C o m m o n	This process trans- fers the account call activity data from (OLTP) Regu- lar tables to Tem- porary T tables
RDB 1	RDB1 Defi- ciency	rchd- mp_b- j_100_01	LOAD DEFI- CIENCY DATA INTO T TABLES	N o	N o	Y e s	C o m m o n	This process trans- fers the account deficiency data from (OLTP) Regu- lar tables to Tem- porary T tables

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RDB 1	RDB1 Contracts	rcod-mp_b-j_100_01	LOAD CONTRACT DATA INTO T TABLES	Y e s	Y e s	N o	C o m m o n	This process transfers the account contracts data from (OLTP) Regular tables to Temporary T tables
RDB 1	RDB1 Repossessions	rfod-mp_b-j_100_01	LOAD REPO FORECLOSURE DATA INTO T TABLES	N o	N o	Y e s	C o m m o n	This process transfers the account bankruptcy data from (OLTP) Regular tables to Temporary T tables
RDB 1	RDB1 Producers	rprd-mp_b-j_100_01	LOAD PRODUCER AND ITS TXNS DATA INTO T TABLES	N o	Y e s	N o	C o m m o n	This process transfers the producer and producer transactions data from (OLTP) Regular tables to Temporary T tables
RDB 1	RDB1 Setup	rstd-mp_b-j_100_01	LOAD SETUP RELATED DATA INTO T TABLES	Y e s	Y e s	Y e s	C o m m o n	This process transfers the setup data from (OLTP) Regular tables to Temporary T tables
RDB 1	RDB1 Txns	rtxd-mp_b-j_100_01	LOAD TXN DATA INTO T TABLES	N o	Y e s	N o	C o m m o n	This process transfers the account transactions data from (OLTP) Regular tables to Temporary T tables
RDB 2	RDB2 Accounts	racac-c_b-j_100_01	Load Reporting Tables Accounts	N o	Y e s	Y e s	C o m m o n	This process transfers the account data from T tables to RDB tables
RDB 2	RDB2 Accounts (Derived Fields)	rac-drv_b-j_100_01	Update Reporting Tables Accounts	N o	Y e s	Y e s	C o m m o n	This process updates the codes with description for account RDB tables

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RDB 2	RDB2 Applications	rapap-p_b-j_100_01	Load Reporting Tables Applications	Y e s	N o	N o	C o m m o n	This process transfers the application data from T tables to RDB tables
RDB 2	RDB2 Applications (Derived Fields)	rapdrv_b-j_100_01	Update Reporting Tables Applications (Derived Fields)	Y e s	N o	N o	C o m m o n	This process updates the codes with description for application RDB tables
RDB 2	RDB2 Asset Tracking	ratase_bj_100_01	Load Reporting Tables Asset Tracking	N o	Y e s	N o	C o m m o n	This process transfers the account asset tracking data from T tables to RDB tables
RDB 2	RDB2 Asset Tracking (Derived Fields)	ratdrv_b-j_100_01	Update Reporting Tables Asset Tracking (Derived Fields)	N o	Y e s	N o	C o m m o n	This process updates the codes with description for account asset tracking RDB tables
RDB 2	RDB2 Bankruptcy	rbkab-d_b-j_100_01	Load Reporting Tables Bankruptcy	N o	N o	Y e s	C o m m o n	This process transfers the account bankruptcy data from T tables to RDB tables
RDB 2	RDB2 Call Activities	rca-cac_b-j_100_01	Load Reporting Tables Call Activities	N o	N o	Y e s	C o m m o n	This process transfers the account call activities data from T tables to RDB tables
RDB 2	RDB2 Deficiency	rchaof_bj_100_01	Load Reporting Tables Deficiency	N o	N o	Y e s	C o m m o n	This process transfers the account deficiency data from T tables to RDB tables

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RDB 2	RDB2 Contracts	rco-con_b-j_100_01	Load Reporting Tables Contracts	Y e s	Y e s	N o	C o m m o n	This process transfers the account contract data from T tables to RDB tables
RDB 2	RDB2 Contracts (Derived Fields)	rcodrv_bj_100_01	Update Reporting Tables Contracts (Derived Fields)	Y e s	Y e s	N o	C o m m o n	This process updates the codes with description for account contract RDB tables
RDB 2	RDB2 Repossessions	rfoafr_b-j_100_01	Load Reporting Tables Repossessions	N o	N o	Y e s	C o m m o n	This process transfers the account repossession data from T tables to RDB tables
RDB 2	RDB2 Producers (Derived Fields)	rprdrv_b-j_100_01	Update Reporting Tables Producers (Derived Fields)	N o	Y e s	N o	C o m m o n	This process updates the codes with description for producer and producer transactions RDB tables
RDB 2	RDB2 Producers	rprpro_b-j_100_01	Load Reporting Tables Producers	N o	Y e s	N o	C o m m o n	This process transfers the producer and producer transactions data from T tables to RDB tables
RDB 2	RDB2 Setup	rststp_b-j_100_01	Load Reporting Tables Setup	Y e s	Y e s	Y e s	C o m m o n	This process transfers the setup data from T tables to RDB tables
RDB 2	RDB2 Txns	rtxdrv_b-j_100_01	Load Reporting Tables Txns	N o	Y e s	Y e s	C o m m o n	This process transfers the account transaction data from T tables to RDB tables

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RDB 2	RDB2 Txns (Derived Fields)	rttxn_bj_100_01	Update Reporting Tables Txns (Derived Fields)	No	Yes	Yes	Common	This process updates the codes with description for account transactions RDB tables
SEC	Pool Summary	ssm-prc_bj_100_01	POOL SUMMARY TABLE POPULATION	No	Yes	No	Common	This process populates summary tables for all pools
SET-OVR	OVERPAYMENT REALLOCATIONS	PFSTX-NOVR_BJ_100_01	OVERPAYMENT REALLOCATIONS	No	Yes	No	Common	This process handles the overpayments/overages existing on an account
TPE	Earning/Amortization	tam-prc_bj_100_01	AMORTIZATION TRANSACTIONS PROCESSING	No	Yes	No	Common	This process creates the month-end interest accrual transactions on month-end.
TPE	Earning/Amortization	tam-prc_bj_111_01	MONTH END AMORTIZATION TRANSACTIONS	No	Yes	No	Loan	This process creates the month-end interest accrual transactions on month-end.
TPE	Escrow Non Monetary Transactions	tenbmt_bj_100_01	Escrow Non Monetary Batch Transactions	No	Yes	Yes	Common	This process posts escrow non monetary transactions in the background at the specified time interval.
TPE	Escrow Analysis & Disbursements	tesanl_bj_100_01	Escrow Analysis Posting	No	Yes	No	Common	This process posts all approved escrow analysis to the account

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	Escrow Analysis & Disbursements	tesanl_b-j_100_02	Create batches for Customer Refund Requests	N o	Y e s	N o	C o m m o n	This process creates company branch wise batches for customer refund requests.
TPE	Escrow Analysis & Disbursements	tesanl_b-j_100_03	Create Transaction of Customer Refund Requests	N o	Y e s	N o	C o m m o n	This process populate customer refund request in respective batch created above
TPE	Escrow Analysis & Disbursements	tesanl_b-j_100_04	Compute control totals for customer refund request batches	N o	Y e s	N o	C o m m o n	This process populates control totals for the bathes created for customer refund requests.
TPE	Escrow Analysis & Disbursements	tesanl_b-j_100_05	Escrow compliance checking	N o	Y e s	N o	C o m m o n	This process checks escrow-able account for compliance
TPE	Escrow Analysis & Disbursements	tesds-b_b-j_100_05	Escrow disbursement posting & requisition creation	N o	Y e s	N o	C o m m o n	This process posts processed escrow disbursement and creates requisitions.
TPE	Non Monetary Transactions	tnbmt_b-j_100_01	NON MONETARY TRANSACTIONS POSTING	N o	Y e s	Y e s	C o m m o n	This process posts non monetary transactions in the background at the specified time interval.
TPE	Compensation	tpr-com_b-j_111_01	Compensation	N o	Y e s	N o	L o o a n	This process creates transaction for month-end producer compensation

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	Statement	tprps-g_b-j_111_01	Producer Statement	N o	Y e s	N o	L o a n	This process creates the month-end interest accrual transactions on month-end.
TPE	Monetary Transactions	txnacr_b-j_100_01	INTEREST ACCRUAL AND DELINQUENCY PROCESSING	N o	Y e s	N o	C o m m o n	This process posts any payment batches open in the system. This process can be set to run periodically.
TPE	Monetary Transactions	txnact_b-j_100_01	ACCOUNT ACTIVATION	N o	Y e s	N o	C o m m o n	This job activates new accounts i.e. changes status from PENDING to ACTIVE.
TPE	Monetary Transactions	txnad-v_b-j_112_01	Advance Posting	N o	Y e s	N o	L i n e	This process posts any advance batches open in the system. This process can be set to run periodically.
TPE	Monetary Transactions	txnan-n_b-j_100_01	ANNIVERSARY PROCESSING	N o	Y e s	N o	C o m m o n	This process carries out the anniversary processing for eligible accounts
TPE	Monetary Transactions	txnbmt_b-j_100_01	MONETARY TRANSACTIONS POSTING	N o	Y e s	N o	C o m m o n	This process posts monetary transactions in the background at the specified time interval.
TPE	Monetary Transactions	txnch-g_b-j_100_01	Chargeoff Processing	N o	Y e s	N o	C o m m o n	This process charges off eligible or scheduled for chargeoff accounts.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	Monetary Transactions	txnchg_b-j_100_03	Chargeoff reversal	N o	Y e s	N o	C o m m o n	On posting charge off reversal transaction, this process moves the remaining expense and fee from charge off balance to active balance.
TPE	Monetary Transactions	txncls_b-j_100_01	VOID/PAID ACCOUNT CLOSE PROCESSING	N o	Y e s	N o	C o m m o n	This process closes void and paid off accounts.
TPE	Monetary Transactions	txnddt_b-j_100_01	BILLING/DUE DATES PROCESSING	N o	Y e s	N o	C o m m o n	This process creates/updates the due dates for the accounts in the system. In addition, this process can also do Asset Billing using asset parameters defined for 'Home' collateral. For more details, refer to Asset Billing Rate section.
TPE	Monetary Transactions	txnfpd_b-j_100_01	FIRST PMT DEDUCTION PROCESSING	N o	Y e s	N o	C o m m o n	This process posts the first payment deduction payment to the eligible accounts.
TPE	Monetary Transactions	txnfpr_b-j_111_01	FIRST PMT REFUND PROCESSING	N o	Y e s	N o	L o a n	This process posts the first payment deduction payment to the eligible accounts.
TPE	Monetary Transactions	txnltc_b-j_100_01	LATE CHARGE PROCESSING	N o	Y e s	N o	C o m m o n	This process assesses late charge depending on the rules, for all accounts in the system.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	Monetary Transactions	txnmt-d_b-j_100_01	MONTH END PROCESSING	No	Yes	No	Common	This process populates the month end balances and carries over the balances to next month.
TPE	Monetary Transactions	txnpmt_b-j_100_01	Payment Posting	No	Yes	No	Common	This process does the daily accrual and delinquency processing.
TPE	Monetary Transactions	txnprm_b-j_100_01	PROMOTION END PROCESSING	No	Yes	No	Common	This process 'ends' the promotion on the account.
TPE	Monetary Transactions	txnprm_b-j_100_03	TLP PROMOTION CANCEL PROCESSING	No	Yes	No	Common	This process 'cancels' the promotion on the account.
TPE	Monetary Transactions	txnrat_b-j_100_01	RATE CHANGE PROCESSING	No	Yes	No	Common	This process changes the prevalent rate on an account.
TPE	Monetary Transactions	txnsch_b-j_100_01	SCHEDULE FOR CHARGED OFF PROCESSING	No	Yes	No	Common	This process puts the 'Schedule for Charge Off' condition on eligible accounts.
TPE	Monetary Transactions	txntip_b-j_100_01	TERMINATION PROCESSING	No	Yes	No	Common	This process puts the "Paid" status on eligible accounts

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	Monetary Transactions	txnytd_bj_100_01	YEAR END PROCESSING	No	Yes	No	Common	This process populates the year end balances and carries over the balances to next year.
TPE	Usage Charge Processing	TXNUS-G_B-J_100_01	Billing Batch job to process and post lease usage/rental fees on account	No	Yes	Yes	Common	This process is used to derive the billing amount to be charged for Lease Usage/Rental based asset for consumed units calculated by the applicable charge matrix.
TPE	MOCK BILLING/DUE DATES PROCESSING	TXN-MDT_B-J_100_01	MOCK BILLING/DUE DATES PROCESSING	Yes	Yes	Yes	Common	This process generates the future dues/balances based on the parameters defined in the criteria. This batch job is a prerequisite run for the mock statements to get generated.
TPE	CAPITALIZATION PROCESSING	TXNCPT_BJ_100_01	CAPITALIZATION PROCESSING	Yes	Yes	Yes	Common	This process is used to capitalize the balance on all qualified accounts and is configured to run after running the billing batch job.
TPE	POST MATURITY EVER GREEN TRANSACTION PROCESSING	TXNEG-C_B-J_121_01	POST MATURITY EVER GREEN TRANSACTION PROCESSING		Yes			This process is used to pick-up accounts matching the criteria for evergreen renewal, waits for maturity date based on grace days and posts Evergreen Lease transaction.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	CYCLE BASED COLLECTION LATE FEE PROCESSING	TXNCB-C_B-J_100_01	CYCLE BASED COLLECTION LATE FEE PROCESSING	Y	Y	Y	Common	This process facilitates to calculate 'Cycle based Collection Late Fee' at account level and update the balances.
TPE	CYCLE BASED LATE FEE PROCESSING	TXNC-BL_B-J_100_01	CYCLE BASED LATE FEE PROCESSING	Y	Y	Y	Common	This process facilitates to calculate 'Cycle Based Late Fee' at account level and update the balances.
XPR	DEALER TRACK PRODUCER LOAD	XPRP-ST_EW_100_01	DEALER TRACK PRODUCER LOAD	N	Y	Y	Common	This process dumps producer details maintained in the system into Dealer Track. System can either use MDB flow by generating out-bound JMS message if system parameter 'OUTBOUND_DL-R_TRACK_Q' is set to 'Y' or use existing flow by making database synchronous out-bound calls to producer data dump web service.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
XPR 2	ROUTE ONE PRO- DUCER LOAD	XPRP- ST_EW_ 100_01	ROUTE ONE PRO- DUCER LOAD	N	Y	Y	C o m m o n	This process dumps producer details maintained in the system into ROUTEONE. System can either use MDB flow by generating out- bound JMS mes- sage if system parameter 'OUT- BOUND_ROU- TEONE_Q' is set to 'Y' or use exist- ing flow by making database synchron- ous outbound calls to producer data dump web service.
LTR	CONDI- TIONAL ADVERSE ACTION LETTER	LORAC O_B- J_100_0 1	CONDI- TIONAL ADVERSE ACTION LETTER GENERA- TION	Y e s	N o	N o	L o a n	This process gen- erates the adverse action letter for rel- evant applications.
LTR	ADVERSE ACTION LETTER	LORAD- V_B- J_100_0 1	ADVERSE ACTION LETTER GENERA- TION	Y e s	N o	N o	L o a n	This process gen- erates the adverse action letter for rel- evant applications.
RPT	ACCOUNT LIST	ROPAC- C_EM_1 00_01	ACCOUNT LIST	N o	Y e s	N o	C o m m o n	
RPT	ADVANCE POSTING LIST	ROPAD- V_EM_1 00_01	ADVANCE POSTING LIST	N o	Y e s	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	ASSET TRACKING DETAILS	ROPAT-K_EM_100_01	ASSET TRACKING DETAILS	No	Yes	No	Common	
RPT	BANK-RUPTCY ACCOUNT LIST	ROPBNK_EM_100_01	BANK-RUPTCY ACCOUNT LIST	No	Yes	No	Common	
RPT	COLLECTOR ACTIVITY DETAILS	ROP-COL_EM_100_01	COLLECTOR ACTIVITY DETAILS	No	Yes	No	Common	
RPT	DEFICIENCY ACCOUNT LIST	ROP-DEF_EM_100_01	DEFICIENCY ACCOUNT LIST	No	Yes	No	Common	
RPT	DELINQUENT ACCOUNT LIST	ROP-DLQ_EM_100_01	DELINQUENT ACCOUNT LIST	No	Yes	No	Common	
RPT	FUNDING CONTRACT LIST	ROP-FUN_EM_100_01	FUNDING CONTRACT LIST	No	Yes	No	Common	
RPT	GL TXN DETAILS LIST	ROP-GLI_EM_100_01	GL TXN DETAILS LIST	No	Yes	No	Common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	APPLICATIONS LIST	ROPORG_EM_100_01	APPLICATIONS LIST	No	Yes	No	Common	
RPT	PAYMENT ALLOCATION POSTING DETAILS	ROP-PAL_EM_100_01	PAYMENT ALLOCATION POSTING DETAILS	No	Yes	No	Common	
RPT	PAYMENT POSTING LIST	ROP-PMT_EM_100_01	PAYMENT POSTING LIST	No	Yes	No	Common	
RPT	PAYABLE REQUISITION LIST	ROP-PRQ_EM_100_01	PAYABLE REQUISITION LIST	No	Yes	No	Common	
RPT	REPOSSESSION/FORECLOSURE ACCOUNT LIST	ROPREP_EM_100_01	REPOSSESSION/FORECLOSURE ACCOUNT LIST	No	Yes	No	Common	
RPT	SCHEDULE TO CHARGE-OFF LIST	ROP-SCH_EM_100_01	SCHEDULE TO CHARGE-OFF LIST	No	Yes	No	Common	
RPT	TERMINATION IN PROGRESS LIST	ROP-TIP_EM_100_01	TERMINATION IN PROGRESS LIST	No	Yes	No	Common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	NON MON-TETARY TXN POST-ING LIST	ROPTN-M_EM_100_01	NON MON-TETARY TXN POST-ING LIST	No	Yes	No	Common	
RPT	MON-TETARY TXN POST-ING LIST	ROPTX-N_EM_100_01	MON-TETARY TXN POST-ING LIST	No	Yes	No	Common	
RPT	BATCH JOB SETUP	CMN-BJB_EM_100_01	BATCH JOB SETUP	No	Yes	No	Common	
RPT	BATCH JOB LOG	CMN-BJB_EM_100_02	BATCH JOB LOG	No	Yes	No	Common	
RPT	NUMBER OF CREDIT APPLICATIONS ENTERED BY USER	OUN-ADE_EM_100_01	NUMBER OF CREDIT APPLICATIONS ENTERED BY USER	No	Yes	No	Common	
RPT	CREDIT APPLICATIONS IMAGES BY STATUS	OUN-ADE_EM_100_02	CREDIT APPLICATIONS IMAGES BY STATUS	No	Yes	No	Common	
RPT	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LOAN)	OUNUN-D_EM_11_11	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LOAN)	No	Yes	No	Common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	UNDER-WRITING STATUS BY MONTH AND UNDER-WRITER (LOAN)	OUNUN D_EM_1 11_12	UNDER-WRITING STATUS BY MONTH AND UNDER-WRITER (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH (LOAN)	OUNUN D_EM_1 11_13	UNDER-WRITING STATUS BY MONTH (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY UNDER-WRITER (LOAN)	OUNUN D_EM_1 11_14	UNDER-WRITING STATUS BY UNDER-WRITER (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LINE)	OUNUN D_EM_1 12_11	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LINE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH AND UNDER-WRITER (LINE)	OUNUN D_EM_1 12_12	UNDER-WRITING STATUS BY MONTH AND UNDER-WRITER (LINE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH (LINE)	OUNUN D_EM_1 12_13	UNDER-WRITING STATUS BY MONTH (LINE)	N o	Y e s	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	UNDER-WRITING STATUS BY UNDERWRITER (LINE)	OUNUN D_EM_1 12_14	UNDER-WRITING STATUS BY UNDERWRITER (LINE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LEASE)	OUNUN D_EM_1 21_11	UNDER-WRITING STATUS BY MONTH AND PRODUCER (LEASE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH AND UNDERWRITER (LEASE)	OUNUN D_EM_1 21_12	UNDER-WRITING STATUS BY MONTH AND UNDERWRITER (LEASE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY MONTH (LEASE)	OUNUN D_EM_1 21_13	UNDER-WRITING STATUS BY MONTH (LEASE)	N o	Y e s	N o	C o m m o n	
RPT	UNDER-WRITING STATUS BY UNDERWRITER (LOAN)	OUNUN D_EM_1 21_14	UNDER-WRITING STATUS BY UNDERWRITER (LOAN)	Y e s	N o	N o	L e a s e	
RPT	ACCOUNT PAYABLE (ORIGINATION)	OFNAPY_EM_100_01	ACCOUNT PAYABLE (ORIGINATION)	Y e s	N o	N o	C o m m o n	
RPT	ACCOUNT PAYABLE (SERVICING)	OFNAPY_EM_100_02	ACCOUNT PAYABLE (SERVICING)	N o	Y e s	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	PRE-FUNDING CONTRACTS (LOAN)	OFNF-ND_EM_111_01	PRE-FUNDING CONTRACTS (LOAN)	Y e s	N o	N o	L o a n	
RPT	FUNDED CONTRACTS (LOAN)	OFNF-ND_EM_111_02	FUNDED CONTRACTS (LOAN)	Y e s	N o	N o	L o a n	
RPT	PRE-FUNDING CONTRACTS (LINE)	OFNF-ND_EM_112_01	PRE-FUNDING CONTRACTS (LINE)	Y e s	N o	N o	L o a n	
RPT	FUNDED CONTRACTS (LINE)	OFNF-ND_EM_112_02	FUNDED CONTRACTS (LINE)	Y e s	N o	N o	C o m m o n	
RPT	PRE-FUNDING CONTRACTS (LEASE)	OFNF-ND_EM_121_01	PRE-FUNDING CONTRACTS (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	FUNDED CONTRACTS (LEASE)	OFNF-ND_EM_121_02	FUNDED CONTRACTS (LEASE)	Y e s	N o	N o	L o a n	
RPT	ACCOUNT PAYABLE LOG BY PRODUCER	OCSAPP_EM_100_01	ACCOUNT PAYABLE LOG BY PRODUCER	Y e s	N o	N o	L o a n	
RPT	ACCOUNT PAYABLE LOG BY VENDOR	OCSAPV_EM_100_01	ACCOUNT PAYABLE LOG BY VENDOR	Y e s	N o	N o	L o a n	
RPT	COLLATERAL TRACKING LOG	OCSAST_EM_100_01	COLLATERAL TRACKING LOG	Y e s	N o	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	GL POST- ING LOG	OCS- GLI_EM_ _100_01	GL POST- ING LOG	Y e s	N o	N o	C o m m o n	
RPT	PAYMENT POSTING (DAILY CASH) LOG	OCSP- MT_EM_ 100_01	PAYMENT POSTING (DAILY CASH) LOG	Y e s	N o	N o	C o m m o n	
RPT	PAYMENT POSTING ERROR LOG	OCSP- MT_EM_ 100_02	PAYMENT POSTING ERROR LOG	Y e s	N o	N o	C o m m o n	
RPT	ACCOUNT LISTING (LOAN)	OCSAC- C_EM_1 11_01	ACCOUNT LISTING (LOAN)	Y e s	N o	N o	L o a n	
RPT	EXCESS PAYMENT (REFUND) LOG (LOAN)	OCSP- MT_EM_ 111_03	EXCESS PAYMENT (REFUND) LOG (LOAN)	Y e s	N o	N o	L o a n	
RPT	PAYMENT HISTORY (LOAN)	OCSP- MT_EM_ 111_04	PAYMENT HISTORY (LOAN)	Y e s	N o	N o	L o a n	
RPT	PAYMENT ALLOCA- TIONS LOG (LOAN)	OCSP- MT_EM_ 111_05	PAYMENT ALLOCA- TIONS LOG (LOAN)	Y e s	N o	N o	L o a n	
RPT	PAYMENT ALLOCA- TIONS LOG BY GL POST DT (LOAN)	OCSP- MT_EM_ 111_06	PAYMENT ALLOCA- TIONS LOG BY GL POST DT (LOAN)	Y e s	N o	N o	L o a n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	PRODUCER STATEMENT (LOAN)	OCSPS-M_EM_11_01	PRODUCER STATEMENT (LOAN)	Y e s	N o	N o	L o a n	
RPT	PRODUCER MONETARY TXNS LOG BY GL POST DT (LOAN)	OCSPTX_EM_111_01	PRODUCER MONETARY TXNS LOG BY GL POST DT (LOAN)	Y e s	N o	N o	L o a n	
RPT	SCHEDULED FOR CHARGE-OFF ACCOUNTS LOG (LOAN)	OCSS-CH_EM_111_01	SCHEDULED FOR CHARGE-OFF ACCOUNTS LOG (LOAN)	Y e s	N o	N o	L o a n	
RPT	AMORTIZED TXNS LOG BY GL POST DT (LOAN)	OCSTAM_EM_11_01	AMORTIZED TXNS LOG BY GL POST DT (LOAN)	Y e s	N o	N o	L o a n	
RPT	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LOAN)	OCSTER_EM_111_01	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LOAN)	Y e s	N o	N o	L o a n	
RPT	MONETARY TXNS LOG BY GL POST DT (LOAN)	OCSTX-N_EM_11_01	MONETARY TXNS LOG BY GL POST DT (LOAN)	Y e s	N o	N o	L o a n	
RPT	ACCOUNT LISTING (LINE)	OCSAC-C_EM_112_01	ACCOUNT LISTING (LINE)	Y e s	N o	N o	L o a n	
RPT	ADVANCE POSTING LOG (LINE)	OCSADV_EM_112_01	ADVANCE POSTING LOG (LINE)	Y e s	N o	N o	L o a n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	ADVANCE POSTING ERROR LOG (LINE)	OCSAD-V_EM_112_02	ADVANCE POSTING ERROR LOG (LINE)	Yes	No	No	Loan	
RPT	PAYMENT HISTORY (LINE)	OCSP-MT_EM_112_04	PAYMENT HISTORY (LINE)	Yes	No	No	Loan	
RPT	PAYMENT ALLOCATIONS LOG (LINE)	OCSP-MT_EM_112_05	PAYMENT ALLOCATIONS LOG (LINE)	Yes	No	No	Common	
RPT	PAYMENT ALLOCATIONS LOG BY GL POST DT (LINE)	OCSP-MT_EM_112_06	PAYMENT ALLOCATIONS LOG BY GL POST DT (LINE)	Yes	No	No	Common	
RPT	SCHEDULED FOR CHARGE OFF ACCOUNTS LOG (LINE)	OCSS-CH_EM_112_01	SCHEDULED FOR CHARGE OFF ACCOUNTS LOG (LINE)	Yes	No	No	Common	
RPT	AMORTIZED TXNS LOG BY GL POST DT (LINE)	OCSTAM_EM_112_01	AMORTIZED TXNS LOG BY GL POST DT (LINE)	Yes	No	No	Common	
RPT	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LINE)	OCSTER_EM_112_01	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LINE)	Yes	No	No	Common	
RPT	MONETARY TXNS LOG BY GL POST DT (LINE)	OCSTX-N_EM_112_01	MONETARY TXNS LOG BY GL POST DT (LINE)	Yes	No	No	Common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	ACCOUNT LISTING (LEASE)	OCSAC-C_EM_1 21_01	ACCOUNT LISTING (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	PAYMENT HISTORY (LEASE)	OCSP-MT_EM_ 121_04	PAYMENT HISTORY (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	PAYMENT ALLOCATIONS LOG (LEASE)	OCSP-MT_EM_ 121_05	PAYMENT ALLOCATIONS LOG (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	PAYMENT ALLOCATIONS LOG BY GL POST DT (LEASE)	OCSP-MT_EM_ 121_06	PAYMENT ALLOCATIONS LOG BY GL POST DT (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	SCHEDULED FOR CHARGE OFF ACCOUNTS LOG (LEASE)	OCSS-CH_EM_ 121_01	SCHEDULED FOR CHARGE OFF ACCOUNTS LOG (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	AMORTIZED TXNS LOG BY GL POST DT (LEASE)	OCSTAM_EM_1 21_01	AMORTIZED TXNS LOG BY GL POST DT (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LEASE)	OCSTER_EM_12 1_01	SCHEDULED FOR TERMINATION ACCOUNTS LOG (LEASE)	Y e s	N o	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	MONETARY TXNS LOG BY GL POST DT (LEASE)	OCSTX-N_EM_121_01	MONE-TARY TXNS LOG BY GL POST DT (LEASE)	Y e s	N o	N o	C o m m o n	
RPT	BANK-RUPTCY LOG	OCOBK_EM_100_01	BANK-RUPTCY LOG	Y e s	N o	N o	C o m m o n	
RPT	COLLEC-TOR ACTIV-ITY (DETAILED) LOG	OCO-COL_EM_100_01	COLLEC-TOR ACTIV-ITY (DETAILED) LOG	N o	N o	Y e s	C o m m o n	
RPT	COLLEC-TOR PRO-DUCTIVITY BY QUEUE	OCO-COL_EM_100_02	COLLEC-TOR PRO-DUCTIVITY BY QUEUE	N o	N o	Y e s	C o m m o n	
RPT	DELIN-QUENCY ANALYSIS BY PRO-DUCER	OCO-COL_EM_100_03	DELIN-QUENCY ANALYSIS BY PRO-DUCER	N o	N o	Y e s	C o m m o n	
RPT	DELIN-QUENCY ANALYSIS BY CREDIT GRADE	OCO-COL_EM_100_04	DELIN-QUENCY ANALYSIS BY CREDIT GRADE	N o	N o	Y e s	C o m m o n	
RPT	DELIN-QUENCY ANALYSIS BY STATE	OCO-COL_EM_100_05	DELIN-QUENCY ANALYSIS BY STATE	N o	N o	Y e s	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	PAYMENT PROMISE LOG	OCO-COL_EM_100_06	PAYMENT PROMISE LOG	N o	N o	Y e s	C o m m o n	
RPT	COLLECTOR ACTIVITY LOG	OCO-COL_EM_100_07	COLLECTOR ACTIVITY LOG	N o	N o	Y e s	C o m m o n	
RPT	DEFICIENCY LOG	OCODE-F_EM_100_01	DEFICIENCY LOG	N o	N o	Y e s	C o m m o n	
RPT	DELINQUENCY LOG	OCODLQ_EM_100_01	DELINQUENCY LOG	N o	N o	Y e s	C o m m o n	
RPT	REPOSSESSION/FORECLOSURE LOG	OCOREP_EM_100_01	REPOSSESSION/FORECLOSURE LOG	N o	N o	Y e s	C o m m o n	
RPT	NON MONETARY TXNS LOG	OCOTNM_EM_100_01	NON MONETARY TXNS LOG	N o	N o	Y e s	C o m m o n	
RPT	VENDOR INVOICE LOG	OCOVIN_EM_100_01	VENDOR INVOICE LOG	N o	N o	Y e s	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	VENDOR WORK ORDER LOG	OCOVN A_EM_100_01	VENDOR WORK ORDER LOG	N o	N o	Y e s	C o m m o n	
RPT	POOL DELINQUENCY SUMMARY (LOAN)	OCS-SEC_EM_111_01	POOL DELINQUENCY SUMMARY (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	POOL DEFAULTS (NON LIQUIDATED) (LOAN)	OCS-SEC_EM_111_02	POOL DEFAULTS (NON LIQUIDATED) (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	POOL PAY-OFFS (LOAN)	OCS-SEC_EM_111_03	POOL PAY-OFFS (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	POOL RECOVERY (LOAN)	OCS-SEC_EM_111_04	POOL RECOVERY (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	POOL DELINQUENCY (LOAN)	OCS-SEC_EM_111_05	POOL DELINQUENCY (LOAN)	N o	Y e s	N o	C o m m o n	
RPT	POOL REPURCHASED ACCOUNTS (LOAN)	OCS-SEC_EM_111_06	POOL REPURCHASED ACCOUNTS (LOAN)	N o	Y e s	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
RPT	POOL MONTHLY ACTIVITY (LOAN)	OCS-SEC_EM_111_07	POOL MONTHLY ACTIVITY (LOAN)	No	Yes	No	Common	
RPT	POOL LIQUIDATED CONTRACTS (LOAN)	OCS-SEC_EM_111_08	POOL LIQUIDATED CONTRACTS (LOAN)	No	Yes	No	Common	
RPT	POOL TXNS LOG BY GL POST DT (LOAN)	OCS-SEC_EM_111_09	POOL TXNS LOG BY GL POST DT (LOAN)	No	Yes	No	Common	
SET-QRT	Real time Queues processing	QCSPRC_B-J_100_02	Real time Queues processing	No	Yes	Yes	Common	This batch job processes queues marked as real time based on refresh frequency setup in the job set.
TAM	MONTH END COMPENSATION DISBURSEMENT PROCESSING	TPR-COM_B-J_100_01	MONTH END COMPENSATION DISBURSEMENT PROCESSING	No	Yes	No	Common	
TAM	PRODUCER STATEMENTS	TPRPS-G_B-J_100_01	PRODUCER STATEMENTS	No	Yes	No	Common	
TAM	PRODUCER STATUS CHANGE	TPRSTABJ_100_01	PRODUCER STATUS CHANGE	No	Yes	No	Common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TAM	Depreciation calculator batch job	TAMDE-P_B-J_121_01	DEPRECIATION RATE PROCESSING	Y e s	T e s	Y e s	L e a s e	This process is used to calculate the delta depreciation value of the asset from previous to current period (current indicator is set as 'Y' by default).
TAM	Amortization schedule batch job	TAMIMP_BJ_100_01	IMPUTED INTEREST AMORTIZATION TRANSACTIONS PROCESSING	Y e s	Y e s	Y e s	C o m m o n	This process is used to generate Amortization schedule based on imputed interest rate for loan contracts with Imputed Interest.
TPE	Escrow Analysis & Disbursements	TXNCH-G_B-J_100_02	CHARGE OFF PROCESSING FOR ACTIVE ACCOUNTS	N o	Y e s	N o	C o m m o n	This package contains procedures related to Batch Job for chargeoff processing
ESC	ESCROW ANALYSIS POSTING	TESAN-L_B-J_100_01	ESCROW ANALYSIS POSTING	N o	Y e s	N o	C o m m o n	This package contains procedures related to Batch Job for escrow analysis processing
ESC	CREATE BATCHES FOR CUSTOMER REFUND REQUESTS	TESAN-L_B-J_100_02	CREATE BATCHES FOR CUSTOMER REFUND REQUESTS	N o	Y e s	N o	C o m m o n	This package contains procedures related to Batch Job for escrow analysis processing
ESC	COMPUTE CONTROLS FOR CUSTOMER REFUND REQUEST BATCHES	TESAN-L_B-J_100_04	COMPUTE CONTROLS FOR CUSTOMER REFUND REQUEST BATCHES	N o	Y e s	N o	C o m m o n	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
ESC	ESCROW COMPLIANCE CHECKING	TESAN-L_B-J_100_05	ESCROW COMPLIANCE CHECKING	No	Yes	No	Common	
ESC	CREATE PAYABLE REQUISITIONS FROM APPROVED DISBURSEMENT REQUESTS	TESDS-B_B-J_100_01	CREATE PAYABLE REQUISITIONS FROM APPROVED DISBURSEMENT REQUESTS	No	Yes	No	Common	
PUR	ARCHIVE ACCOUNT DATA TO OTABLES	PACARC_BJ_100_01	ARCHIVE ACCOUNT DATA TO OTABLES	No	Yes	No	Common	
EVE	BATCH EVENTS FOR ACCOUNTS	EVBAC-C_B-J_100_01	BATCH EVENTS FOR ACCOUNTS		Yes			
EVE	BATCH EVENTS FOR APPLICATIONS	EVBAP-P_B-J_100_01	BATCH EVENTS FOR APPLICATIONS	Yes				
EVE	MAIN BATCH JOB FOR BATCH EVENTS PROCESSING	EVB-PRC_B-J_100_01	MAIN BATCH JOB FOR BATCH EVENTS PROCESSING		Yes			
ODD 2	BATCH JOB TO GENERATE METRO 2 DATA	CBUUT-L_B-J_100_02	BATCH JOB TO GENERATE METRO 2 DATA	Yes				
ODD 2	BATCH JOB FOR CREATING METRO 2 DATA FILE	CBUUT-L_B-J_100_03	BATCH JOB FOR CREATING METRO 2 DATA FILE	Yes				

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
ODD 2	THIRD PARTY ACH PROCESSING	ACT-PRC_B-J_100_01	THIRD PARTY ACH PROCESSING		Y e s			
ODD 2	THIRD PARTY OUTPUT DATA DUMP SERVICING	OBI-PRC_B-J_100_01	CREATE THIRD PARTY CUSTOMER FILE		Y e s			This process pulls the customer account details shared in input data files for processing.
ESC	JOB TO GENERATE ESCROW DISCLOSURE STATEMENT	OED-PRC_B-J_100_01	JOB TO GENERATE ESCROW DISCLOSURE STATEMENT		Y e s			
EDF	ADR FILE	EDFADR_BJ_100_01	ADR FILE		Y e s			
EDF	IVR FILE	EDFIVR_BJ_100_01	IVR FILE		Y e s			
TPE	CONTRACTUAL PROMOTION CANCEL PROCESSING	TXN-PRM_B-J_100_04	CONTRACTUAL PROMOTION CANCEL PROCESSING		Y e s - -			
TPE	RATE CHANGE PROCESSING FOR BACKDATED INDEXES	TXN-RAT_B-J_100_02	RATE CHANGE PROCESSING FOR BACKDATED INDEXES		Y e s			
RDB 1	LOAD ACCOUNT RELATED DATA INTO T TABLES	RACD-MP_B-J_100_01	LOAD ACCOUNT RELATED DATA INTO T TABLES		Y e s			

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	EXPIRED INSURANCE PROCESSING	TXNINS_BJ_100_01	EXPIRED INSURANCE PROCESSING		Yes			
ADT	UPDATE ROWID IN AUDIT TABLE (RUN THIS JOB AFTER EXPORT-IMPORT OF TABLES)	ADT-PRC_BJ_100_01	UPDATE ROWID IN AUDIT TABLE (RUN THIS JOB AFTER EXPORT-IMPORT OF TABLES)		Yes			
RDB1	LOAD INSURANCE DATA TO TABLES	RIND-MP_BJ_100_01	LOAD INSURANCE DATA TO TABLES		Yes			
AGS	SALE LEAD AGING	AGS-SAL_BJ_100_01	SALE LEAD AGING	Yes				
BOD	PROCESS PARKED TRANSACTIONS	JOB-BOD_BJ_000_02	PROCESS PARKED TRANSACTIONS		Yes			
BOD	MARK SYSTEM FOR BEGINING OF DAY	JOB-BOD_BJ_000_01	MARK SYSTEM FOR BEGINING OF DAY		Yes			
EOD	SET SYSTEM MODE TO END-OF-DAY	JOBEOD_BJ_000_01	SET SYSTEM MODE TO END-OF-DAY		Yes			
ACR	DAILY TRIAL BALANCE DATA	TABAC-C_BJ_100_01	DAILY TRIAL BALANCE DATA GENERATION		Yes			
LTR2	RATE CHANGE PRE-INTIMATION LETTER	LCS-RAT_BJ_100_01	RATE CHANGE PRE-INTIMATION LETTER		Yes			

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
BLK	BULK UPLOAD FOR PRICING SETUP	BLK-PRP_B-J_100_01	BULK UPLOAD FOR PRICING SETUP	Yes				
BLK	BULK UPLOAD FOR GL ATTRIBUTES	BLK-GLS_B-J_100_01	BULK UPLOAD FOR GL ATTRIBUTES				common	
BLK	BULK UPLOAD FOR GL TRANSLATION	BLK-GLS_B-J_100_02	BULK UPLOAD FOR GL TRANSLATION DEFINITION				common	
BLK	BULK UPLOAD FOR GL TRANSACTION TYPES	BLK-GLS_B-J_100_03	BULK UPLOAD FOR GL TRANSACTION TYPES DETAILS				common	
BLK	BULK UPLOAD FOR GL TRANSACTION LINKS	BLK-GLS_B-J_100_04	BULK UPLOAD FOR GL TRANSACTION LINKS				common	
ODD 2	RATE CHANGE LETTER FILE	OLSRAT_BJ_100_01	RATE CHANGE LETTER FILE CREATION		Yes			
TPE	EXPIRED DRAW PERIOD PROCESSING (STAGE FUNDED LOANS)	TXN-DRW_B-J_111_01	EXPIRED DRAW PERIOD PROCESSING (STAGE FUNDED LOANS)		Yes			

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
ODD 2	DEALER SUBVEN- TION STATE- MENTS	OPSSB- V_B- J_100_0 1	DEALER SUBVEN- TION STATE- MENTS GENERA- TION				c o m m o n	
TAM	SUBVEN- TION RECEIV- ABLE PRO- CESSING (PAY AS GO)	TPRSB- V_B- J_100_0 1	SUBVEN- TION RECEIV- ABLE PRO- CESSING (PAY AS GO)				c o m m o n	
ODD 2	PRO- DUCER CHECK PRINT	OPCPR C_B- J_100_0 1	PRO- DUCER CHECK PRINT GENERA- TION				c o m m o n	
BSR	BEHAV- IORAL SCORING	BSR- PRC_B- J_100_0 1	BEHAV- IORAL SCORING		y e s			
AGE	TRANSA- CTION IN WAITING FOR APPROVAL AGING	TXNAGE _BJ_100 _01	TRANSA- CTION IN WAITING FOR APPROVAL AGING PROCESS		y e s			
ACR	PREPARE BATCH DATA FOR INTEREST ACCRUAL AND DELIN- QUENCY	TXNA- CR_B- J_100_0 2	PREPARE BATCH DATA FOR INTEREST ACCRUAL AND DELIN- QUENCY PROCESS- ING		y e s			
PDC	POST DATED CHECKS	PDCPR C_B- J_100_0 1	POST DATED CHECKS		y e s			

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PDC	PENDING PDC	PDCPN D_B- J_100_0 1	PENDING PDC PROCESSING		y e s			
LTR2	PDC RENEWAL LETTER	LCSPD- C_B- J_100_0 1	PDC RENEWAL LETTER GENERATION		y e s			
DOT	APPLICATION DOCUMENT LOAD	DOL- PRC_B- J_000_0 2	APPLICATION DOCUMENT LOAD	Y e s				
ODD 2	ONE TIME ACH POST DATED PAYMENT LETTER	OLSPD- P_B- J_100_0 1	ONE TIME ACH POST DATED PAYMENT LETTER PROCESSING		Y e s			
ODD 2	OUTPUT DATA DUMP SERVICING	OST- PRC_B- J_100_0 2	MASTER CUSTOMER STATEMENT GENERATION		Y e s			This process is used to generate consolidated Account statements associated for each Master Account.
WFP	BILLING	WTX- BIL_B- J_132_0 1	BILLING PROCESSING		Y e s			
WFP	DELINQUENCY	WTX- DLQ_B- J_132_0 1	DELINQUENCY PROCESSING		Y e s			
WFP	LATE CHARGE	WTX- LTC_B- J_132_0 1	LATE CHARGE ASSESSMENT		Y e s			
WFP	STATEMENT	WTXPS- G_B- J_132_0 1	STATEMENT GENERATION		Y e s			

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
WFP	RATE CHANGE	WTX-RAT_B-J_132_01	RATE CHANGE PROCESSING		Yes			
WFP	TERMINATION	WTX-TIP_B-J_132_01	TERMINATION PROCESSING		Yes			
TPE	PERIODIC MAINTAINENCE FEE	TXNPM-F_B-J_100_01	PERIODIC MAINTAINENCE FEE PROCESSING					
WFP	UNIT UPLOAD	WUP-PRC_B-J_132_01	UNIT UPLOAD				common	
ODD 2	BATCH JOB FOR MONTHLY HANDSOFF FILE FOR SIMAH	CBUUT-L_B-J_100_04	BATCH JOB FOR MONTHLY HANDSOFF FILE FOR SIMAH					
PUR	PURGE ALL PTT TABLES	PTTPRC_BJ_100_01	PURGE ALL PTT TABLES				common	
TPE	BATCH JOB FOR SETTING MATURED ACCOUNT CONDITION	TXN-MAC_B-J_100_01	BATCH JOB FOR SETTING MATURED ACCOUNT CONDITION		Yes			
TPE	NON REFUND GL	TXNRF-D_B-J_100_01	NON REFUND GL PROCESSING				common	

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
TPE	PAYMENT ARRANGEMENT	TXNPA-P_B-J_100_01	PAYMENT ARRANGEMENT PROCESSING		y e s			
TPE	DELAY FEE	TXND-LY_B-J_100_01	DELAY FEE PROCESSING		y e s			
TPE	STATEMENT PAST MATURITY	TXNST-M_B-J_100_01	STATEMENT PAST MATURITY PROCESSING		y e s			
TPE	BLACK BOOK INTERFACE	VEVBB-K_B-J_100_01	BLACK BOOK INTERFACE				c o m m o n	
LBT	BULK NSF PAYMENT REVERSALS	TXNNS-F_B-J_100_01	BULK NSF PAYMENT REVERSALS					
ACR	STOP INTEREST ACCRUAL	TXNA-CR_B-J_100_03	STOP INTEREST ACCRUAL PROCESSING		y e s			
QRT	CUSTOMER SERVICE REAL TIME QUEUE	QCSPR C_B-J_100_02	CUSTOMER SERVICE REAL TIME QUEUE PROCESSING		y e s			
ODD 2	OUT-BOUND CUSTOMER EXTRACTS TO PAYMENT AGENCIES	OCP-PRC_B-J_100_01	OUT-BOUND CUSTOMER EXTRACTS TO PAYMENT AGENCIES		y e s			This process generates 'Customer Payment File Extract' file with individual account dues or consolidated dues at Master account level in column definitions.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
ODD 2	MASTER ACCOUNT CUSTOMER MOCK STATEMENT GENERATION	OMSPR C_B- J_100_0 1	MASTER ACCOUNT CUSTOMER MOCK STATEMENT GENERATION	Y e s	Y e s	Y e s	C o m m o n	This process generates Asset billing Mock Statements based on preferences defined in Contract.
IFP	OFFLINE CALL ACTIVITY POSTING	ICAPRC _BJ_100 _01	OFFLINE CALL ACTIVITY POSTING		y e s			
ACR	RE-START INTEREST ACCRUAL	TXNA- CR_B- J_100_0 4	RE-START INTEREST ACCRUAL		y e s			
IFP	UPLOAD TRANSACTIONS	ITUPRC _BJ_100 _01	UPLOAD TRANSACTIONS		y e s			
IFP	POST UPLOADED TRANSACTIONS	ITUPRC _BJ_100 _02	POST UPLOADED TRANSACTIONS		y e s			
IFP	INPUT FILE PROCESSING - CURRENCY EXCHANGE RATE FILE UPLOAD	ICE- PRC_B- J_100_0 1	CURRENCY EXCHANGE RATE FILE UPLOAD	Y e s	Y e s	Y e s	C o m m o n	This process extracts currency exchange rates from desired source at scheduled intervals.
IFP	INPUT FILE PROCESSING - INPUT DATA INSERTION	IDDP RC _BJ_000 _01	INPUT DATA INSERTION		Y e s			This process updates customer account information corresponding to the details received from external system. Ex: Bankruptcy details in External Interface screen or Cure Letter details in Account Information screen.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
IFP	INPUT FILE PROCESSING	IPIPRC_BJ_100_01	PI INFORMATION FILE UPLOAD PROCESSING	Y	Y	Y	Common	This process uploads input file with PII data into the data masking screen.
IFP	INPUT FILE PROCESSING	IUH-PRC_BJ_100_01	ASSET USAGE HISTORY FILE UPLOAD	Y	Y	Y	Common	This process uploads asset usage details into the system. Driven through Setup > Data File tab, when placed in corresponding folder and batch job is run, system processes the file and loads in 'External Interfaces' tab.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
IFP	INPUT FILE PROCESSING	ICP-PRC_BJ_100_01	CUSTOMER PAYMENT FILE UPLOAD	Y	Y	Y	C o m m o n	<p>This process uploads customer/business based payment details and are displayed in Payment Entry screen with Multi Account check box selected.</p> <p>The status of Payment batch is updated based on the value of system parameter PMT_BATCH_POSTING (PAYMENT BATCH POSTING PREFERENCE).</p> <p>If the value is set to 'P' (POSTED), payment job request is submitted and payment is posted. On successful posting, the payment record is available in Payment Maintenance screen.</p>
IFP	INPUT FILE PROCESSING	ISCPRC_BJ_100_01	SECURITIZATION POOL FILE UPLOAD		Y e s			This process reads the Securitization upload file and either attach or detach the accounts of the Pool.
IFP	INPUT FILE PROCESSING	IAD-PRC_BJ_100_01	ACCOUNT DUES FILE UPLOAD		Y			This process reads the input file to derive future prorated due on a particular account. For more information refer to 'Proration of Future Account Dues' section in Dashboard > Process Files.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	ARCHIVE PURGE JOB SET	PJR-PAC_B-J_100_01	PURGE ACCOUNTS DATA	Y	Y	Y	Common	This process purges accounts data in archival tables based on the days defined in system parameter PAC_PURGE_DAYS.
PUR	ARCHIVE PURGE JOB SET	PJRPA-P_B-J_100_01	PURGE APPLICATION DATA	Y	Y	Y	Common	This process purges application data in archival tables based on the days defined in system parameter PAC_PURGE_DAYS.
PUR	ARCHIVE PURGE JOB SET	PJRP-GL_B-J_100_01	PURGE GL TXNS DATA	Y	Y	Y	Common	This process purges general ledger transaction data in archival tables based on the days defined in system parameter PAC_PURGE_DAYS.
PUR	ARCHIVE PURGE JOB SET	PJRP-PA_B-J_100_01	PURGE POOLS DATA	Y	Y	Y	Common	This process purges pools and its transactions data in archival tables based on the days defined in system parameter PAC_PURGE_DAYS.
PUR	ARCHIVE PURGE JOB SET	PJRP-PX_B-J_100_01	PURGE PRODUCER TXNS DATA	Y	Y	Y	Common	This process purges producer transaction data in archival tables based on the days defined in system parameter PAC_PURGE_DAYS.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
PUR	ARCHIVE PURGE JOB SET	PJRPTX-_BJ_100_01	PURGE TXNS DATA	Y	Y	Y	C o m m o n	This process purges account transaction data in archival tables based on the days defined in system parameter PAC_PURGE_ - DAYS.
PUR	ARCHIVE PURGE JOB SET	PJRPVA-_BJ_100_01	PURGE VENDOR ASSIGNMENTS DATA	Y	Y	Y	C o m m o n	This process purges vendor assignment data in archival tables based on the days defined in system parameter PAC_PURGE_ - DAYS.
REV 1	Revenue Recognition job set	REVREC_ BJ_100_01	DAILY REVENUE RECOGNITION PROCESSING	Y e s	Y e s	Y e s	C o m m o n	This process is used to validate if Account Revenue Recognition Equity is 'greater than or equal to' Target Revenue Recognition Equity and update the Current Qualification Indicator.

Engine Type	Description	Batch Job	Description	Origination	Servicing	Collection	Product	Comment
REV2	Revenue Recognition job set	REVREC_BJ_100_02	MONTH END REVENUE RECOGNITION PROCESSING	Y e s	Y e s	Y e s	C o m m o n	This process is used to validate the status of 'Account Revenue Recognition Qualifier indicator' and update the following fields: - Account Revenue Recognition Qualifier Month End indicator (after month end processing) - Account Revenue Recognition Qualifier Date - Last Account Revenue Recognition Qualifier Date
SET-EVE	BATCH EVENTS PROCESSING	EVE-PRC_BJ_100_01	BATCH EVENTS PROCESSING	Y e s	Y e s	Y e s	C o m m o n	This process is used for BATCH EVENTS PROCESSING for the Entities Account/ Application/Assets.
SET-EVE2	EVENTS PROCESSING FOR CUSTOMER AND BUSINESS	EVE-PRC_BJ_100_03	BATCH EVENTS PROCESSING (CUSTOMER AND BUSINESS ENTITIES)	Y e s	Y e s	Y e s	C o m m o n	This process is used for BATCH EVENTS PROCESSING for the Entities Customer/ Business/Vendors/ Producers.

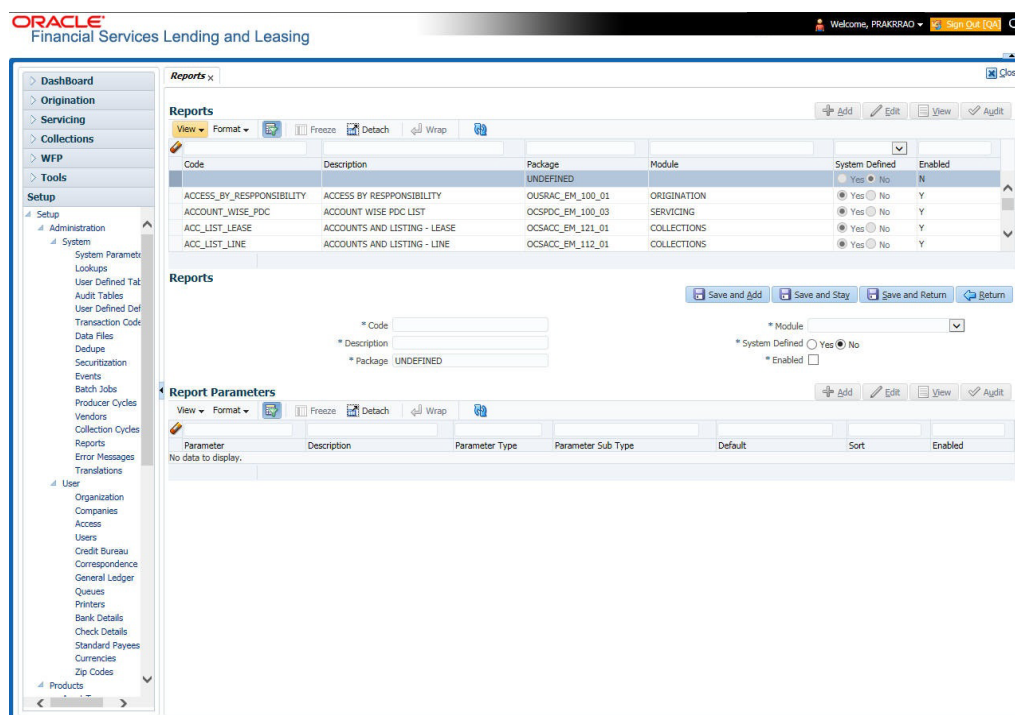
2.10 Reports

The Reports screen allows you to setup reports in the system.

To set up the Reports

1. Click **Setup > Setup > Administration > System > Reports** link. The system displays the Report screen. The details are grouped into two:
 - Reports
 - Report Parameters

- In the **Reports** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Code	Specify the code of the report.
Description	Specify the description of the report.
Package	Specify the package .
Module	Select the code of the report from the drop-down list.
System Defined Yes/ No	Select 'Yes', if you wish to maintain the Report as system defined and 'No', if you do not want to maintain it as system defined. System defined entries cannot be modified. If the entry is not system defined, then it can be modified.
Enabled	Check this box to enable the report definition.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
- In the **Report Parameters** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field	Do this:
Parameter	Specify the parameter code of the report.
Description	Specify the description of the parameter.
Parameter Type	Select the parameter type of the report from the drop-down list.

Field	Do this:
Parameter Sub Type	Select the parameter sub type of the report from the drop-down list.
Default	Specify the default value for the report parameter (value to initially populate, or used if no value is supplied) (optional).
Sort	Specify the sort order for the lookup code. This determines the order these report parameters are displayed or processed.
Enabled	Check this box to enable the report definition.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.11 Error Messages

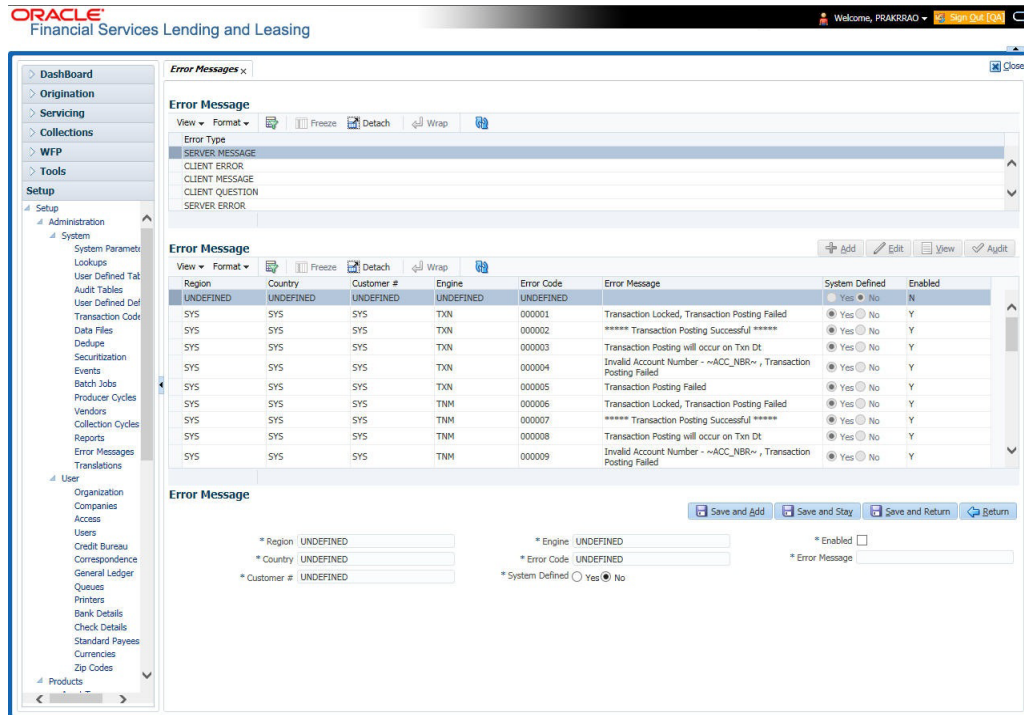
In the Error Messages Setup screen, you can translate or modify the text of error messages. the system displays all messages as they appear to the system users in the Error Message section's Message field.

New messages created with the Error Messages screen can then be translated with the **Setup > Setup > Administration > System > Translation > Message Translation** screen.

To set up the Error Messages Setup screen

1. Click **Setup > Setup > Administration > System > Error Messages**. The system displays the Error Message screen.
2. On the **Error Messages Setup** screen's **Error Type** section, use the **Error Type** field to select the error type. These are the categories of error messages available for creating or editing.
3. The error messages associated with the error type you selected appear in the Error Message section.

- In the **Error Messages** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field	Do this:
Region	Specify the region code.
Country	Specify the country code.
Customer	Specify the customer code.
Engine	Specify the engine code.
Error Code	Specify the error code.
System Defined	Displays whether the record is system defined or not.
Enabled	Check this box to enable the data error message.
Error Message	Specify the error message.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.12 Translation

You can setup translation properties.

Navigating to Translation

- Click **Setup > Setup > Administration > System > Translation**. The system displays the Translation screen. On this screen you can,
 - Setup Translation
 - Translate Error Messages

2.12.1 Setup Translation

In the Setup Translation tab, you can translate the contents of a predefined list of setup description fields into a different language.

After you translate an entry in the Translation Data section, the system adds the new data to the setup form.

To set up the Translation Setup

1. Click **Setup > Setup > Administration > System > Translation > Setup Translation**.
2. In the **Language** section, you can select the language for which you need to setup the translation.

The screenshot displays the Oracle Financial Services Lending and Leasing Setup Translation interface. The top navigation bar includes the Oracle logo and the text 'Financial Services Lending and Leasing'. The main interface is divided into several sections:

- Source Type:** A dropdown menu showing 'ASSIGNMENTS' as the selected source type. Other options include ASSET TYPES, AUDIT TABLES, AUDIT TABLE COLUMNS, and CALL ACTION TYPES.
- Translation Data:** A table with columns for Key 1 through Key 6, System Defined, Enabled, and Desc 1. The table lists various setup items, including '30-DAY DELQ', 'AGED_APP_QUEUE', 'AGED_CON_QUEUE', 'AJITHA_QUEUE', 'AJK', 'APPROVED_APP...', 'B-1', 'BKRP_CH_13', 'BKRP_CH_7', 'C1', 'CONTRACT_QUEUE', 'DATA_ENTRY_QU...', 'DEF', 'DELQ_DAYS_0_30', and 'DELQ_DAYS_30+'. Each row has radio buttons for 'System Defined' and 'Enabled'.
- Populate All:** A button in the top right corner of the table area.
- Translation Data (Bottom):** A section showing details for the selected item, including 'Key 1 30-DAY DELQ', 'System Defined Yes No', 'Enabled', and 'Desc 1 30 DAYS DELQ ACCOUNTS'.

Note

For more information, refer **Language setup** at the end of this chapter.

3. In the **Source Type** section, you can select the source (or location in the system) of the item you want to translate.
4. Click **Populate All** in the **Source Type** section and the system loads the setup data descriptions in the Translation section screen for the selected source type.

If you have new entries and are unsure as to which setup items have been updated since the last translation, click **Populate All**, the system loads the additional data for all items with no impact to the previously translated data for any of the entries.

5. In the **Translation Data** section, Select:
 - **All** – to view all the records (both translated and un-translated) in the Translation Data section.
 - **Translated** – to view all the translated records in the Translation Data section.
 - **Un Translated** – to view all the un-translated records in the Translation Data section.
6. In the **Translation Data** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

Note

You cannot add a new record.

A brief description of the fields is given below:

Field	Do this:
Key 1	Displays the first reference key value.
Key 2	Displays the second reference key value.
Key 3	Displays the third reference key value.
Key 4	Displays the fourth reference key value.
Key 5	Displays the fifth reference key value.
Key 6	Displays the sixth reference key value.
System Defined	Select 'Yes', if you wish to maintain the data as system defined and 'No', if you do not want to maintain it as system defined.
Enabled	Check this box to indicate that the record is active.
Desc 1 Translation 1	Specify the first translated description.
Desc 2 Translation 2	Specify the second translated description.
Desc 3 Translation 3	Specify the third translated description.
Desc 4 Translation 4	Specify the fourth translated description.

7. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

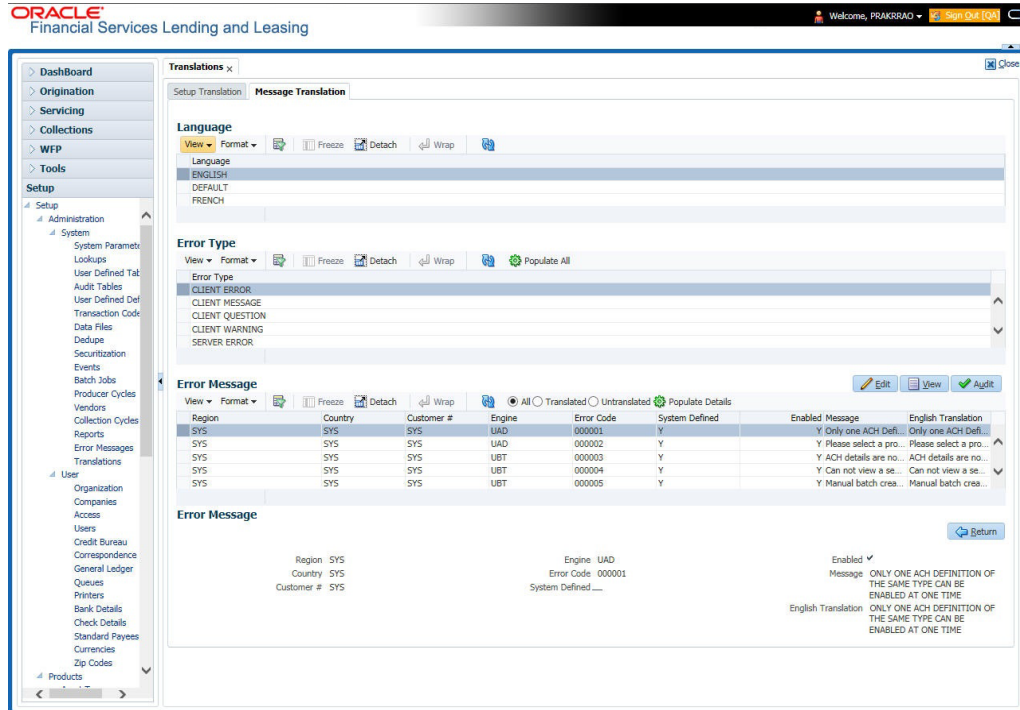
2.12.2 **Message Translation Setup**

In the Message Translation tab, you can translate the contents of a predefined list of error messages into a different language.

After you translate an entry in the Error Message section, the system adds the new data to the error message.

To set up the Message Translation Setup

1. Click **Setup > Setup > Administration > System > Translation > Message Translation**.
2. In the **Language** section, you can select the language for which the translation needs to be done.



Note

For more information, refer **Language setup** at the end of this chapter.

3. In the **Error Type**, you can select the type of error message you want to translate.
4. Click **Populate All** in the **Error Type** section and the system loads the error messages in the Error Message section for the selected error type.

If you have new entries and are unsure as to which error messages have been updated since the last translation, click **Populate All**, the system loads the additional data for all items with no impact to the previously translated data for any of the entries.
5. In the **Error Message** section, select:
 - **All** – to view all the records (both translated and un-translated) in the Error Message section.
 - **Translated** – to view all the translated records in the Error Message section.
 - **Untranslated** – to view all the un-translated records in the Error Message section.
6. In the **Error Message** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

Note

You cannot add a new record.

A brief description of the fields is given below:

Field	Do this:
Region	Displays the region code.
Country	Displays the country code.
Customer	Displays the customer code.
Engine	Displays the engine name.
Error Code	Displays the error code.
System Defined	Check this box to indicate that the record is system defined.
Enabled	Check this box to indicate that the record is active.
Message	Specify the error message.
English Translation	Specify the English translated description.

7. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Language setup

On the Lookup master tab's Lookup Types screen, you can add other languages to the TRD_LANGUAGE_CD lookup type and perform translations for those languages.

However, translated data only appears in one language, which is defined by the User Language parameter. This parameter can be defined in the system configuration file, typically named DBKWEB.CFG, which defines the parameter as:

Parameter: otherparams=ORA_USER=<schema_name> USR_LANG=<native language>

Note

<native language> should match lookup codes in the TRD_LANGUAGE_CD lookup type on the Administration form's Lookups screen.

The system supports the following pre-defined list of setup items for translation:

1. Asset Sub Types
2. Asset Types
3. Assignments
4. Audit Table Columns
5. Audit Tables
6. Call Action Result Types
7. Call Action Types
8. Checklist Action Types
9. Checklist Types
10. Commission Plans
11. Companies

12. Company Branch Departments
13. Company Branches
14. Compensation Plans
15. Credit Bureau Score Reasons
16. Credit Models
17. Credit Scoring Parameters
18. Edits
19. Escrow Disburse Rules
20. Escrow Sub Types
21. Flex Table Attributes
22. Flex Tables
23. GL Transaction Types
24. GL Translators
25. Job Sets
26. Jobs
27. Lookup Codes
28. Lookup Types
29. Portfolio Companies
30. Portfolio Company Branches
31. Producers
32. Product Instruments
33. Product Insurances
34. Product Pricings
35. Products
36. Promotions
37. Spreads
38. Standard Correspondences
39. Standard Document Definitions
40. Standard Element Definitions
41. Standard Function Definitions
42. Transaction Codes
43. Error Messages
44. Org. Fees

2.13 Label Configuration

The Label Configuration screen facilitates for field label customizations to modify the default field's label which are provided as part of seed data during product installation / upgrade.

Using this screen, you can modify the field's User Defined Label, update Tooltip, set Default Value (if required), set display (Y/N) option and enable / disable the field. The changes done here are populated to respective screen in the application.

Note

- Label configuration is controlled by the value defined for system parameter `UIX_CUSTOM_LABEL_ENABLED_IND` and indicates whether configurable option is enabled or not.
 - Also the 'Update' button in Label Configuration screen is enabled only if `UIX_CUSTOM_LABEL_ENABLED_IND` is set to Y.
-

Fields in the UI are categorized into two types:

- Base fields - these are default fields in the UI consisting of both mandatory and non-mandatory fields.
- User Defined Fields - these are additional fields provided in disabled status which can be enabled and customized as required.

Note the following:

- Configuring field details is only an optional functionality and has to be used sensitively.
- Field customizations are to be done cautiously and is recommended to be performed by someone who is well-versed with the product. For example, label change of a particular field is to be done at both 'Section' and 'Header' block to avoid inconsistency.
- Field customizations are to be performed at your sole discretion and OFSLL is not responsible for any impact/damage/mismatch in the data being represented or resulting out of this change.

The Label Configuration screen displays all the Base and User defined fields provided for the below listed screens and its sub tabs. Apart from base fields, there are additional 'User Defined Fields' provided with the below combination in disabled status.

- 10 free text fields - 'User Defined Field Char'
- 30 numeric fields - 'User Defined Field Num'
- 10 date fields - 'User Defined Field Date'

List of screens enabled with the above User Defined Fields for configuration:

- Producer Screen
- Customer Service > Checklists > Checklist Types, Action - Regular sub tab, and Action - Document sub tab.
- Customer Service > Correspondence > Correspondences sub tab, Documents sub tab, and Document Elements sub tab.
- Customer Service > Letters
- Customer Service > Collateral
- Customer Service > Account Details
- Servicing > Collateral Management > Collateral Details
- Conversion Accounts > Account Boarding > Collateral and Account Details sub tab.
- Origination > Underwriting > Bureau > Report Header sub tab and all 10 sub tabs

Note

The corresponding web services are also enhanced to include the User Defined Fields. Refer to swagger web service release documentation available in OTN library (https://docs.oracle.com/cd/F22291_01/webservice.htm).

Ensure that the field(s) for which label changes are to be done is enabled in the UI from Access setup screen. For more information, refer to Field Access Definition section.

You can update the field properties for all the user defined fields. For Base -non mandatory fields, you can set the display (Y/N) option, define as mandatory / non mandatory and enable or disable the same in UI.

The below table indicates the supported field update options based on field type.

Parameter	Base Field	User Defined Field	Comment
Label change	Allowed to modify	Allowed to modify	
Data Type	Not allowed to modify - Display only	Not allowed to modify - Display only	Default data type supported by the field
Default Value	Allowed to modify	Allowed to modify	No default value
Required	Not allowed to modify	Allowed to modify	
Display (Yes/No)	Allowed to modify for non-mandatory fields	Allowed to modify for non-mandatory fields	Cannot modify mandatory Base field

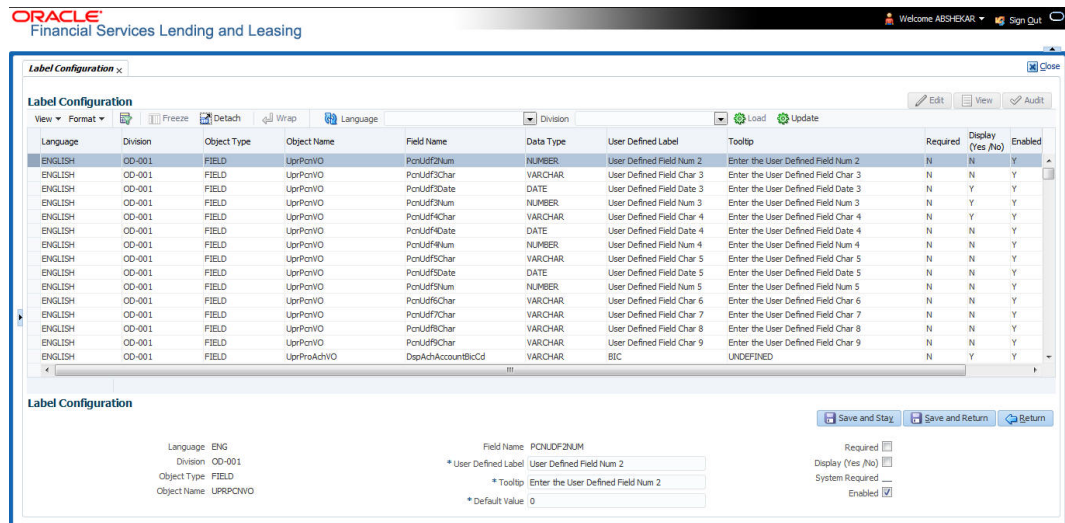
The Label Configuration screen displays the field records based on specific combination of 'Language' and 'Division'. By default the combination is set to 'ALL' and can further be filtered by selecting required combination from respective drop-down list.

Note that the Label Configuration done for a specific division (for example US01) is displayed to those users who are mapped to the same division (US01). Else, the default labels defined for 'ALL' division is displayed.

After updating the required changes in Label Configuration screen, you need to logout and re-login for changes to appear in respective UI. This is basically to refresh session cache and fetch the updated field information from database server. Though, there is 'Update' option, clicking on the same only refreshes the cache and reloads the record.

To customize Label Configuration

1. Click **Setup > Setup > Administration > System > Label Configuration**.



2. To filter the records in Label Configuration section, select the required combination of 'Language' and 'Division' from the drop-down list and click 'Load'.

3. Select the required record and click 'Edit'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter.

While looking for a specific field to customize, you might notice multiple records with similar data since one record is populated in section and other on header. Carefully differentiate and select the required record for update.

A brief description of the fields is given below:

Field	Do this:
Language	View the language category of the field.
Division	View the division category of the field.
Object Type	View the type of object category of the field such as Tab / Field / Button / Header / Sub header.
Object Name	View the object name maintained in database.
Field Name	View the field name maintained in database.
User Defined Label	Specify the field label name to be updated in the UI.
Tooltip	Enter the tooltip indicating the type of value to be populated for the field. The same is displayed on mouse over.
Default Value	Specify the default value to be populated in UI. Based on field type, the default value set to UNDEFINED for varchar, 0 for Number, and system date for Date.
Required	Check this box to mark the field as mandatory for input in UI.
Display (Yes /No)	Check this box to display the field in UI. By default, the same checked for Base - non mandatory fields. Note: Option defined here takes precedence with the display (Y/ N) option selected in Setup > Administration > Access > Screen > Field Access Configuration tab.
System Required	'Y' indicates the field is system required and other parameters such as Required, Display, and Enabled options are disabled. 'N' indicates the field is user configurable.
Enabled	Check this box to enable the field and apply the label configuration changes on save.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
5. Click 'Update'. System refreshes the cache automatically and fetches the updated field details from database server to display in header section.

2.14 Seed Data

Seed data in general is referred to as any data delivered with the standard product installation and is required to be present in the production environment for application to work properly. Seed data basically consists of Table with its associated data that are uploaded into the system through DAT files.

Seed Data screen in Oracle Financial Services Lending and Leasing displays the seed data details maintained in the system along with the updated seed data provided with the latest release or patch installation.

Note that, when you upgrade OFSLL from an existing version to higher version,

- New seed data provided as part of that release is automatically updated into the system.
- Seed data which are modified from previous release to current release needs to be manually accepted and updated into the system.

The modified seed data can have updates on base tables and/or its associated data and the changes can either be updated or skipped depending on the need.

Navigating to Seed Data screen

1. Click **Setup > Setup > Administration > System > Seed Data**. The system displays the Seed Data screen.
2. On this screen you can do the following:
 - View the factory shipped seed data and update/skip the seed data differences between existing and updated seed data in 'Factory Data' tab.
 - View the customized (i.e. changed or configured) seed data as part of implementation in 'Current Data' tab.
 - View the differences between Factory data and Current data in 'Comparison Data' tab.
 - Download all or only the required table specific seed data in "Download Data' tab.

2.14.1 Factory Data

The Factory Data tab displays the list of both existing and updated seed data which are provided through release/patch installation. In the Factory Data tab you can select and update only the required seed data changes into the respective seed data tables. During update, you can also skip the seed data changes for later updates (if required).

Accordingly, you can sort the view in Factory Data tab by selecting 'Skipped', 'Update' or 'All' options to display the list of corresponding seed data.

In the 'Patch #' drop-down list, you can further sort the list to display 'ALL' the seed data or only the additions or updates available as part of latest patch which has seed data changes.

To View Factory Data

Click **Setup > Setup > Administration > System > Seed Data > Factory Data** tab.


The screenshot shows the Oracle Financial Services Lending and Leasing Seed Data screen. The interface includes a navigation menu on the left with 'Seed Data' selected. The main area is titled 'Seed Data x' and has three tabs: 'Factory Data', 'Current Data', and 'Comparison Data'. The 'Factory Data' tab is active, displaying a table with columns: Table, Type, Key Column, Key Column Type, Other Columns, Other Column Types, and Count. The table lists three rows: FLEY_TABLE_ATTRIBUTES, JOBS, and JOB_SETS. Below the table is a 'Factory Data Details' section with a 'Select' dropdown set to 'All' and a list of key column data entries with checkboxes for selection.

The 'Factory Data' section displays the list of seed data with the following details:

Field	View this:
Table	Displays the seed data table name.
Type	Displays the category of seed data as either System or Combination Data.
Key Column	Displays the unique identifier columns.
Key Column Type	Displays the unique identifier column data types.
Other Columns	Displays the non unique identifier column names.
Other Column Types	Displays the non unique identifier column data types.
Count	Displays the total count of updated records in the seed data table.

The 'Factory Data Details' section displays the associated data of the selected seed data table along with the following details:

Field	View this:
Key Column Data	Displays the unique identifier column names.
Other Column Data	Displays the non unique identifier column names.
Patch #	Displays the patch number with which the seed data changes are identified.
Status	<p>Displays the current status of seed data as one of the following:</p> <p>INSERT: This status indicates new seed data.</p> <p>UPDATE: This status indicates if there are changes in the record when compared to the seed data released in previous patch.</p> <p>POSTED: This status indicates that the seed data changes are updated into the main tables and is subsequently updated from previous status - SKIPPED OR UPDATE OR INSERT.</p> <p>SKIPPED: This status indicates that the seed data is not updated into the main tables.</p> <p>DEPRECATED - This status indicates that the seed data is no longer used.</p>

In the 'Factory Data' tab, you can click  (refresh) to fetch the latest details and click 'View' to display the detailed information of the selected record.

2.14.1.1 Update/Skip Seed Data

The 'Update' option in the Factory Data tab allows you to replace the existing seed data with the current update. However, ensure to double check the details before performing 'Update' operation since the same can have significant impact on system behaviour.


To Update/Skip Data

1. In the 'Factory Data' tab, select 'Update'. System displays those records which can be updated to the existing seed data tables.
2. Inspect the required record in Factory Data section with the Factory Data Details in subsequent section.
3. Select the required record to be updated by clicking on the adjacent check box. You can also click 'Select All' to select all the records.
4. Do one of the following:
 - Click 'Update Data'. This action updates the existing seed data with the updated seed data provided as part of the current patch release.
 - Click 'Skip Data'. This action skips the seed data changes received as a part of the patch release. The skipped records can be viewed by selecting 'Skipped' option in Factory Data tab. However, the same can further be updated into the system, by selecting 'Update Data'.
5. Click 'Yes' in confirmation dialog to confirm the setup data changes.

On successful update, system does the following:

- When individual records are selected and updated, the same is removed from Factory Data Details section and the 'Count' column in Factory Data section is updated with the remaining number of records.
- In case of Bulk update, the record is removed from Factory Data tab.

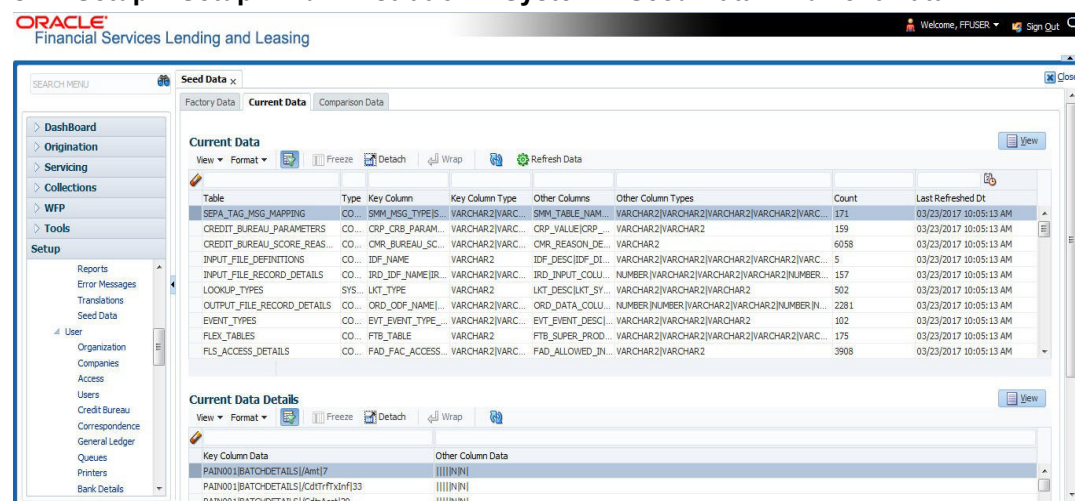
2.14.2 Current Data

The Current data tab displays the customized seed data which are changed or configured as part of implementation. In the 'Current Data' tab, you can click  (refresh) to fetch the latest details and click 'View' to display the detailed information of the selected record.

Additionally you can click "Refresh Data" to pull the seed data details from the production system and update the current seed data tables.

To View Current Data

Click **Setup > Setup > Administration > System > Seed Data > Current Data** tab.



The screenshot shows the Oracle Financial Services Lending and Leasing interface. The 'Seed Data' window is open, with the 'Current Data' tab selected. The table below shows the following data:

Table	Type	Key Column	Key Column Type	Other Columns	Other Column Types	Count	Last Refreshed Dt
SEPA_TAG_MSG_MAPPING	CO...	SMM_MSG_TYPEIS...	VARCHAR2 VARC...	SMM_TABLE_NAM...	VARCHAR2 VARCHAR2 VARCHAR2 VARCHAR2 VARC...	171	03/23/2017 10:05:13 AM
CREDIT_BUREAU_PARAMETERS	CO...	CRP_CRB_PARAM...	VARCHAR2 VARC...	CRP_VALUE CRP...	VARCHAR2 VARCHAR2	159	03/23/2017 10:05:13 AM
CREDIT_BUREAU_SCORE_REAS...	CO...	CMR_BUREAU_SC...	VARCHAR2 VARC...	CMR_REASON_DE...	VARCHAR2	6058	03/23/2017 10:05:13 AM
INPUT_FILE_DEFINITIONS	CO...	IDF_NAME	VARCHAR2	IDF_DESC IDF_DE...	VARCHAR2 VARCHAR2 VARCHAR2 VARCHAR2 VARC...	5	03/23/2017 10:05:13 AM
INPUT_FILE_RECORD_DETAILS	CO...	IRD_IDF_NAME IR...	VARCHAR2 VARC...	IRD_INPUT_COLL...	NUMBER VARCHAR2 VARCHAR2 VARCHAR2 NUMBER...	157	03/23/2017 10:05:13 AM
LOOKUP_TYPES	SYS...	LKT_TYPE	VARCHAR2	LKT_DESC LKT_SY...	VARCHAR2 VARCHAR2 VARCHAR2	502	03/23/2017 10:05:13 AM
OUTPUT_FILE_RECORD_DETAILS	CO...	ORD_OOF_NAME ...	VARCHAR2 VARC...	ORD_DATA_COLL...	NUMBER NUMBER VARCHAR2 VARCHAR2 NUMBER IN...	2281	03/23/2017 10:05:13 AM
EVENT_TYPES	CO...	EVT_EVENT_TYPE...	VARCHAR2 VARC...	EVT_EVENT_DESC ...	VARCHAR2 VARCHAR2 VARCHAR2	102	03/23/2017 10:05:13 AM
FLEX_TABLES	CO...	FTB_TABLE	VARCHAR2	FTB_SUPER_PROD...	VARCHAR2 VARCHAR2 VARCHAR2 VARCHAR2 VARC...	175	03/23/2017 10:05:13 AM
FLS_ACCESS_DETAILS	CO...	FAD_FAC_ACCESS...	VARCHAR2 VARC...	FAD_ALLOWED_IN...	VARCHAR2 VARCHAR2	3908	03/23/2017 10:05:13 AM

The 'Current Data Details' section shows a detailed view of a selected record, with columns for Key Column Data and Other Column Data.

The 'Current Data' section displays the following details:

Field	View this:
Table	Displays the current seed data table name.
Type	Displays the category of seed data as either System or Combination Data.
Key Column	Displays the unique identifier columns.
Key Column Type	Displays the unique identifier column data types.
Other Columns	Displays the non unique identifier column names.
Other Column Types	Displays the non unique identifier column data types.
Count	Displays the total count of records in the seed data table.
Last Refreshed Dt	Displays the date and time when seed data for the selected table was last updated in the system.

The subsequent 'Current Data Details' section displays the associated data of the selected seed data table along with the following details:

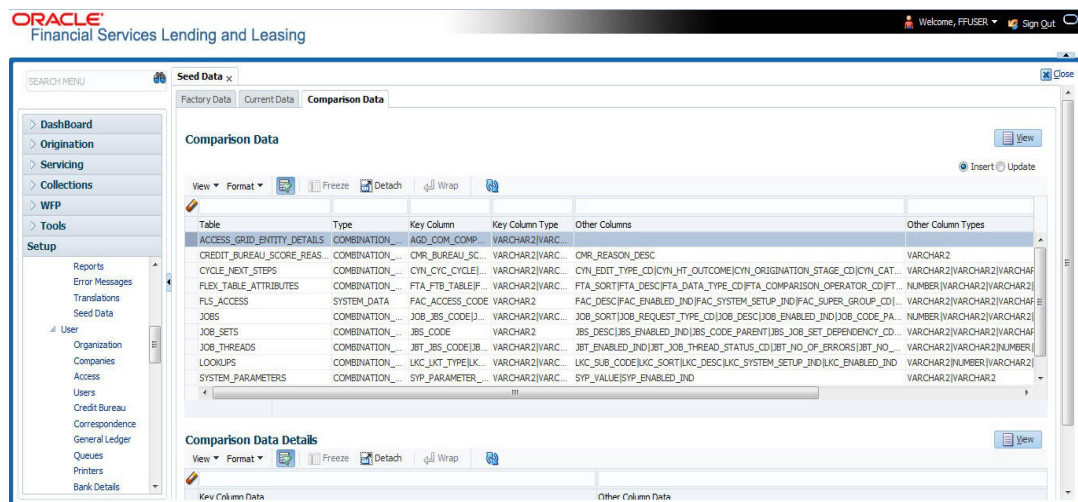
Field	View this:
Key Column Data	Displays the unique identifier column names.
Other Column Data	Displays the non unique identifier column names.

2.14.3 Comparison Data

The 'Comparison Data' tab displays the differences between factory shipped seed data and current customized seed data.

To View Comparison Data

Click **Setup > Setup > Administration > System > Seed Data > Comparison Data** tab.




The 'Comparison Data' section displays the list of seed data records with the following details:

Field	View this:
Table	Displays the seed data table name to be inserted or updated.
Type	Displays the category of seed data as either System or Combination Data.
Key Column	Displays the unique identifier columns.
Key Column Type	Displays the unique identifier column data types.
Other Columns	Displays the non unique identifier column names.
Other Column Types	Displays the non unique identifier column data types.
Count	Displays the total count of records in the seed data table.

The subsequent 'Comparison Data Details' section displays the associated data of the selected seed data table along with the following details:

Field	View this:
Key Column Data	Displays the unique identifier column names.
Other Column Data	Displays the non unique identifier column names.
Patch #	Displays the patch release version with which the seed data was inserted/updated.

In the 'Comparison Data' tab, you can click  (refresh) to fetch the latest details and click 'View' to display the detailed information of the selected record.

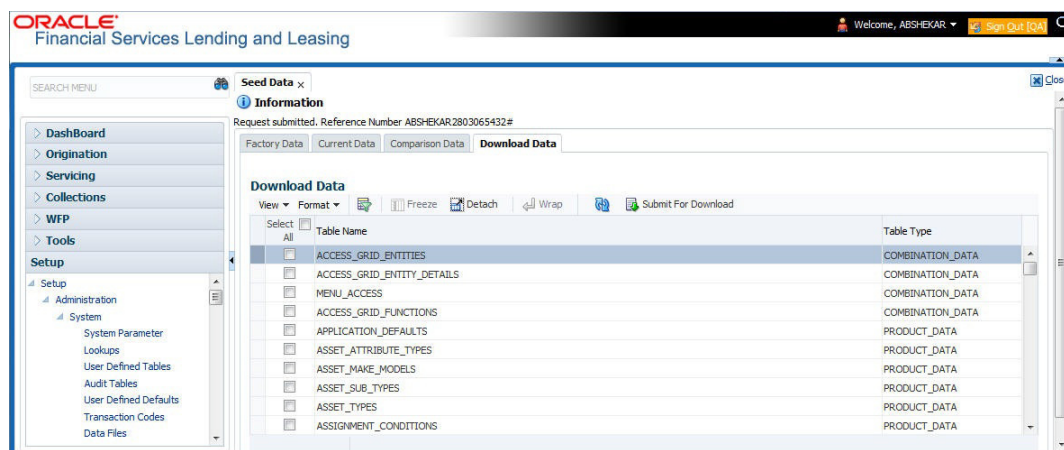
2.14.4 **Download Data**


The Download Data tab allows you to download table specific seed data available in the system in '.dat' format. While migrating from one environment to other, you can use the Download Data tab to download the existing seed data and perform a bulk upload of all/required files.

Similar to other file download process, based on the value defined for the system parameter 'CMN_FILE_PROCESS_TO_LOB', the seed data download file can be accessed from the Process Files interface (if value is 'Y') or Database Files system (if value is 'N'). For more information on handling Incoming/Outgoing process files, refer to 'Dashboard' section in User Guides.

To Download Data

1. Click **Setup > Setup > Administration > System > Seed Data > Download Data** tab.



The Download Data section displays the list of tables maintained in the system with 'Table Name' and 'Table Type'. Click  (refresh) to fetch the latest details.

2. Select the check box adjacent to the required table in the list. You can choose 'Select All' check box to select all the tables with seed data maintained in the system.
3. Click 'Submit For Download' button. System displays an information message in the header indicating that the request has been submitted along with a reference number. The reference number is generated in format - useridDDMMHHMISS# followed by table name with '.dat' extension. For example, (USER1230603121517#lookups.dat)
4. (Optional) If 'CMN_FILE_PROCESS_TO_LOB' is set to 'Y', navigate to Dashboard > Process Files screen > Outgoing Process File tab to download the selected seed data file which will be listed with the same reference number. The file can be downloaded to Application server.

2.15 Data Masking

Data masking screen in Oracle Financial Services Lending and Leasing facilitates to mask Personally Identifiable Information (PII) displayed in the application to safeguard the sensitive and confidential information while protecting them from offenders.

As part of the product installation, standard set of identified fields (seed data) which is likely to contain either organization / customer PI information are provided for data masking in disabled status. Based on need, the required fields can be enabled and masked for specific user responsibility in the Data Masking screen. Also if there are additional PII fields identified for masking, the same can be pooled into the system using input file processing method and masked using Data Masking screen.

The data masking process involves the following steps:

- Identify and enable field(s) (seed data) to be masked
- Select user responsibility for whom the data has to be masked
- Execute batch job to create data redaction policy
- Compile the data redaction policy
- (Optional) Process user identified PII data for masking

The following table indicates the standard pre-defined fields (seed data) identified in respective screens/tabs which can be readily masked using the Data Masking screen.

Tab Name	Field Names
Origination	
Applicant	First Name, MI, Last Name, Family Name, Birth Dt, Nationality, National ID, Visa #, Passport #, License #, Marital status, Mother's maiden name, Passport number, Gender, Language, Dependents, Ethnicity, Disability, Email, Race, and Education.
Applicant > FATCA	Birth Place, Birth Country, and Permanent US Resident Status.
Applicant > Power of Attorney	Holder Name, Address, Country, Nationality, and Telephone Number.
Applicant	Active Military Duty, Military Effective Date, Duty Order Number, and Active Military duty Release date.
Addresses	Country, Postal Address Type, Address #, Street Pre, Street Name, Street Type, Street Post, Apt #, Address 1, Address 2, Address 3, Zip, Zip Extn, City, State, and Phone.
Telecoms	Phone and Extn
Employments	Employer, Country, Address #, Address 1, Address 2, Zip, Zip Extn, City, State, Phone, Extn, Income Amt - Stated, Income Amt - Actual, Salary - Stated, Salary - Actual, and Title.
Applicant > Financials	Type, Source, Account #, and Currency.
Existing Accounts	Account # and Title.
Servicing	
Customer	Name, Birth Dt, Nationality, National ID, Visa #, Passport #, License #, Marital status, Mother's maiden name, Passport #, Language, Disability, Email, and Education.
Customer > FATCA	Birth Place, Birth Country, and Permanent US Resident Status.
Customer > Power of Attorney	Holder Name, Address, Country, Nationality, and Telephone Number.
Customer	Active Military Duty, Military Effective Date, Duty Order Number, and Active Military duty Release date.
Addresses	Country, Postal Address Type, Address #, Street Pre, Street Name, Street Type, Street Post, Apt #, Address 1, Address 2, Address 3, Zip, Zip Extn, City, State, Phone, and Address.
Employments	Employer, Country, Address #, Address 1, Address 2, Zip, Zip Extn, City, State, Phone, Extn, and Title.
Assets tab	
Assets	Identification #, Lien Status, Lien Event Date, Second Lien Holder, Comments, Lien Release Entity, and Entity Name.

Masking Format

Oracle Financial Services Lending and Leasing supports only complete masking (not partial) of both factory shipped and user identified PII data. On masking, the masked data is presented in same structural format to facilitate internal validations. The below table indicates the default values used for masking fields based on data type:

Data Type	Masking Value
NUMBER	9
VARCHAR	X
DATE	31/12/9999
Phone number	For UI represented format - 000-000-0009 (Masked with 0's and last digit as 9) and for generic, masked as 9999999999
Email	xxxxx.xxx@<domain>.com

Note

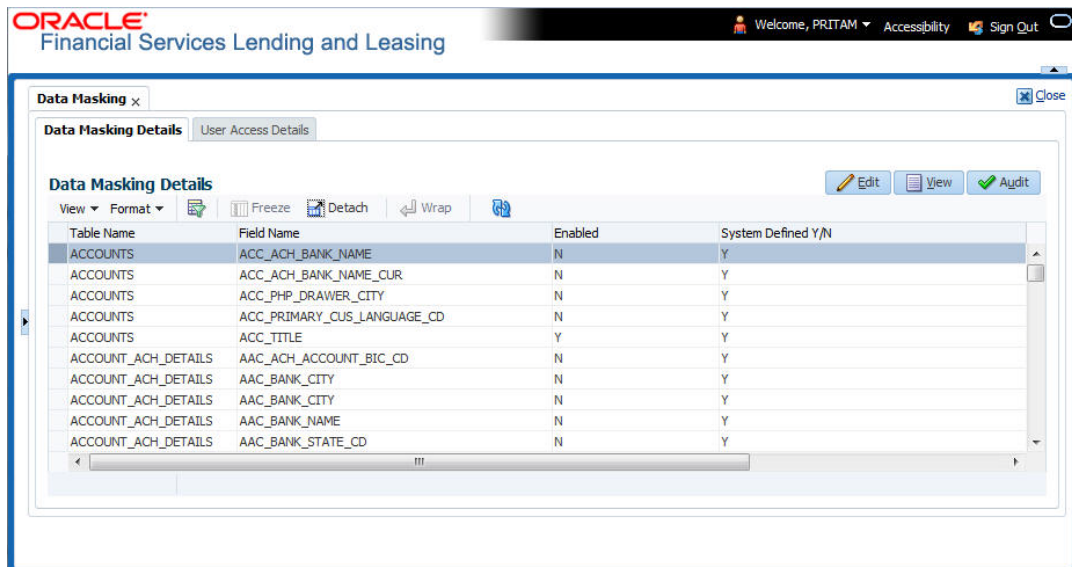
It is recommended to avoid modifying masked data for user(s) with masked responsibility. However, while editing masked data (if permitted) requires to input full data replacing the masked characters. For example, editing a masked SSN (xxx.xx.xxxx) requires to specify all nine digits of SSN and not just the last four digits.

2.15.1 Setup Data Masking

1. Click **Setup > Administration > System > Data Masking**.
2. Define the parameters available in 'Data Masking Details' and 'User Access Details' tabs.

2.15.1.1 Data Masking Details

On clicking Data Masking link, the Data Masking Details tab is displayed by default and allows you to enable the required fields for masking.



1. In the Data Masking Details section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

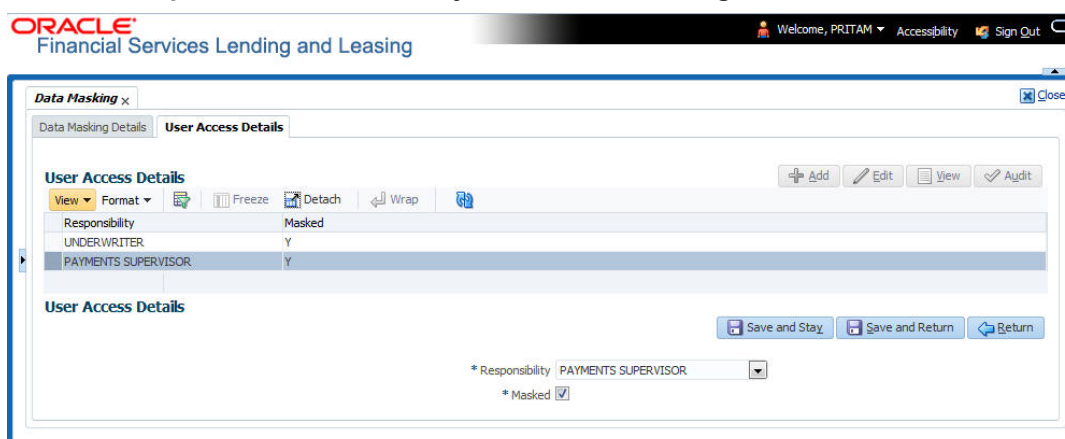
Field	Do this:
Table Name	View the table name which contains the selected field details.
Field Name	View the selected field name.
Enabled	Check this box to enable masking of the selected field.
System Defined	View the type of seed data maintained in the system. 'Y' indicates factory shipped seed data and 'N' indicates user defined seed data.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.15.1.2 User Access Details

The User Access Details tab facilitates to define the user responsibility to whom the PII data should be masked. By default, all the selected PII data in Data Masking Details tab appears as masked for one or more user(s) selected in this tab.

1. Click **Setup > Administration > System > Data Masking > User Access Details**.



2. In the User Access Details section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

Field	Do this:
Responsibility	Select the user responsibility from the drop-down list.
Masked	Check this box to enable masking for the selected user. Note: Defining a user and not selecting the masked check box will only create the record and masking rules are not applied.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.15.2 Create data redaction policy

Once the data masking details are defined and stored in the database, you need to create a data redaction policy which facilitates for field level masking while displaying the details to the respective user. A data redaction policy file contains the policies on the columns enabled in the Data Masking Details screen.

To create data redaction policy

Click **Setup > Administration > System > Batch Jobs** and execute the following batch job (in single thread mode only):

Set Code	Description	Job Code
SET-RED	POLICY CREATION FOR PERSONAL IDENTIFIABLE INFORMATION DATA	REDPRC_BJ_100_01

This batch job can either be scheduled for regular run or executed on-demand and facilitates to generate data redaction policy picking only the enabled data masking field information from database. On every run, the batch job drops and re-creates new set of policies in the file based on the details updated in Data Masking Details screen.

The generated policy is either written into CLOB or sql file depending on the following option:

- if the value of system parameter 'CMN_FILE_PROCESS_TO_LOB' is set to 'Y', the policy file is generated in CLOB and can be accessed by navigating to DashBoard > Process Files screen. For more information on handling Incoming/Outgoing process files, refer to 'Dashboard' section in User Guides.
- If the value of system parameter 'CMN_FILE_PROCESS_TO_LOB' is 'N', the policy is generated as an sql file and stored in the repository path as defined in the system parameter - CMN_SERVER_HOME. For example, /scratch/OFSLL/<release>/sql.

Further, the policy file needs to be manually compiled into database schema to apply the masking rules for respective fields for that particular user. Either a system administrator or any other user having administration privileges needs to compile the policies in the database.

Note

For every change in the data masking details such as masking additional fields or unmasking / disabling masked fields, a new policy is to be created by executing the batch job.

2.15.3 Masking User defined data

Apart from factory shipped seed data, additional user identified PII data can be masked by uploading an input file with field details and processing it in Data Masking screen using input file processing method.

1. On identifying the fields, create an input file (in text file format) with table name, column name, and enabled indicator (Y/N) for each field level record. If enabled indicator is 'N', the record is not processed for data masking.

For example, BUSINESS_APPL_DETAILS,BSD_LEGAL_NAME,N

2. Place the input file to the path as defined in system parameter IPI_DIRECTORY. For example, \$OFSLL_HOME/input/ipi

3. Navigate to **Setup > Administration > System > Batch Jobs** screen and execute the following batch job:

Set Code	Description	Job Code
SET-IFP	PI INFROMATION FILE UPLOAD PROCESSING	IPIPRC_BJ_100_01

On execution, the batch job picks the file from the location, processes it and loads the seed data into Data Masking screen. By default, all the user identified PII data from input file is categorized separately in Data Masking screen by assigning the value of 'System Defined' property as 'N'.

Once the data is available in Data Masking screen, enable the required fields, assign user responsibility and run the processing batch job - redprc_bj_100_01 to generate a redaction policy. For more details, refer [Create data redaction policy](#) section.

Note

In addition, an xml sample file with PII fields data is provided in the installation bundle (docs folder). The same is generated through Application Data Model (ADM) and can be imported to view the details of PII masked fields. However to do so, you need to have Oracle Cloud 13c installed.

2.16 Webhook

In the Webhook screen, you can register third-party applications to which you can notify the changes that are done in OFSLL by triggering Webhook request as an event action.

In this type of integration, the server which is OFSLL propagates the information to the dependant third-party applications (client) when a specific type of change has happened in OFSLL. For example, when customer details are updated in OFSLL. For detailed information, refer to Appendix - [Webhooks](#) chapter.

In the Webhook screen, you can maintain Webhook definition details and associate Event Details.

The screenshot displays the Oracle Financial Services Lending and Leasing Webhook configuration interface. At the top, the Oracle logo and 'Financial Services Lending and Leasing' are visible. The user is logged in as 'Welcome ABSHEKAR'.

The main section is titled 'Webhook' and contains a table with the following columns: Channel, Authentication Mode, Bureau, and Enabled. The table lists several webhooks, with 'webhook' selected and highlighted in yellow.

Channel	Authentication Mode	Bureau	Enabled
webhook1	OAuth2.0	Bureau	Y
cred bureau efx	BASIC	EFX	Y
external cred rep	BASIC	EXT	Y
webhook	OAuth2.0		Y
business webhook	BASIC		Y
ext	BASIC		Y
webhook_oauth	OAuth2.0		Y
test bureau	BASIC	CSC	Y
123	BASIC	EFX	N
cred bureau exp	BASIC	EXP	Y

Below the Webhook table is the 'Event Details' section, which contains a table with the following columns: Event, Event Criteria, Service End Point, Event Message, and Enabled.

Event	Event Criteria	Service End Point	Event Message	Enabled
EVENT_NEW_PRODUCER_UPDATE	EVENT_NEW_PRODUCER_UPDATE	basic	WEBHOOK	Y
EVENT_NEW_PRODUCER_STATEMENT_CREATE	EVENT_NEW_PRODUCER_STATEMENT...	basic	WEBHOOK	Y
EVENT_COLLATERAL_CREATION	EVENT_COLLATERAL_CREATION_HOME	basic	WEBHOOK	Y
EVENT_NEW_CUST_CREATION	EVENT_NEW_CUST_CREATION	basic	WEBHOOK	Y
EVENT_CUST_UPDATE	EVENT_CUST_UPDATE	basic	WEBHOOK	Y
EVENT_NEW_ADDRESS_CREATE	EVENT_NEW_ADDRESS_CREATE	basic	WEBHOOK	Y
EVENT_NEW_TEL_CREATE	EVENT_NEW_TEL_CREATE	basic	WEBHOOK	Y
EVENT_TEL_UPDATE	EVENT_TEL_UPDATE	basic	WEBHOOK	Y
TEST	TEST	basic	WEBHOOK	Y
TEST_ANK	TST_01	basic	WEBHOOK	Y

2.16.1 Webhook Definition

In a Webhook definition, you can create a Channel with authentication mode as BASIC and/or OAUTH2.0, provide test and service url and generate secret key.

To setup Webhook Definition

1. Select Setup > Administration > System > Webhook.
2. In the **Webhook** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

Field	Do this:
Channel	Specify the channel name of interfaced third-party application for identification. The same will be added into weblogic Key Store.
Client Secret Key	The client secret key is auto generated by the system on clicking 'Generate' button after defining the details. If already generated, the same can be used to regenerate.
Service URL	Specify the context path of third-party application's Webhook Service URL used for communication where POST request is to be provided. You can define multiple service end-point URLs for the same channel.
Test Service URL	Specify the GET web service Webhook URL of third-party application to check service availability. Click 'Test' button to generate sample test call. The status, either success or error of the test call is displayed on the screen as SERVICE URL TEST SUCCESFUL/FAILED. Refer step 4 below for more information.
Enabled	Check this box to enable the Webhook definition.
Authentication mode	Select the authentication mode of third-party application from the drop-down list. The list is displayed based on lookup code WHK_AUTH_MODE_CD. System supports the following modes: BASIC - On selecting this option, you need to define User Name and Password to authenticate. OAUTH2.0 - On selecting this option, you need to define additional enabled fields such as Grant Type, Client Id, Client Secret, Identity Domain, Token and Header Key.
User Name	If Authentication mode is selected as BASIC, specify the Basic Authentication User Name. If Authentication mode is selected as OAUTH2.0 and Grant Type as 'Resource Owner Password', specify the third-party OAUTH 2.0 Resource Owner User Name.
Password	If Authentication mode is selected as BASIC, specify the Basic Authentication User Password. If Authentication mode is selected as OAUTH2.0 and Grant Type as 'Resource Owner Password', specify the third-party OAUTH 2.0 Resource Owner User Password.

Field	Do this:
Bureau	<p>Select the Credit Bureau from the drop-down list. This is required if the Credit Bureau report format is to be processed externally as defined in Setup > Administration > User > Credit Bureau screen.</p> <p>The list is populated with credit bureau details maintained in CRB_SOURCE_CD lookup. This field is enabled only during ADD process and is Read-Only during EDIT.</p> <p>Ensure that the selected Bureau is not already selected for the enabled record. Else, system displays an error indicating 'Record already exist with same bureau' and need to disable the existing record and enable the new record with the new Bureau.</p> <p>Note: The 'Event Details' section is not displayed if the Credit Bureau report format is to be processed externally.</p>
Verified	This check box is auto selected on verifying the channel data by clicking 'TEST' button and if the test server connection is successful.
The following additional fields are enabled for OAUTH2.0 type of Authentication mode:	
Token URL	Specify the third-party OAUTH 2.0 token generation URL.
Grant Type	Select the OAUTH 2.0 grant type from the drop-down list. The list is populated based on lookup code WHK_GRANT_TYPE_CD.
Client Id	Specify the identification name of third-party OAUTH 2.0 client.
Client Secret	Specify the secret code of third-party OAUTH 2.0 client.
Identity Domain	Specify the domain name of the third-party OAUTH 2.0 client.
Token Header Key	Specify the token header key of third-party OAUTH 2.0 client.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. Click 'Test' button verifies the configuration details of third-party application.
 - Th external system generates base 64 X-Hmac header using HMAC SHA 256 and propagate this as part of response header to OFSLL.
 - Channel name is used in HMAC digest as given below. This will be passed to the external interface using HTTP Header Key 'ChannelName'. This value will be in base 64 encoded format.
 - System will validate this response and update the Verified indicator. Only HTTP status code 200 is considered as success.

Format: "OFSLL": Base64 Encoded [HMAC SHA 256 of ["Http Method Types":"Base64 Encoded Channel Name": "Service URL"] with Client Secret Key]

For example:

Client Secret Key

```
ZXIKMGVYQWIPaUpLVjFRaUxDSmhiR2NpT2IKSVV6VXhNaUo5LmV5SnpkV0lp
T2IKWFJVSKIUMDIMSWI3aVEwaEJUazVGVENJNkIrVIWRVZTVGtGTvNVNVVS
VkpHUVVORkxVOUJWVIJTWpBaUxDSnBjM01pT2IKUFJsTk1URjIYUIVKSVQw
OUxJaXdpWlhod0lqb3hOVFUxTmPnMU1qSXpMQ0pwWVhRaU9qRTFOVFUyT0
RRNU1qTjkuemxMb0lzdWduek1FRnhyblcxYXJleXNMSFliSmVQd0R5SUxvdDdU
aXZDMEFVUktEbm5WcDJPWmRiT1pJald5aHNfSWxNaG1IV1dWZUF0YmZRUnl
1X2c=
```

Cipher Text for HMAC SHA 256

```
GET:RVhURVJOQUxJTIRFUkZBQ0UtT0FVVEgyMA==:application/json:https://  
Hostname:Port/webhook_oauthqa/service/api/resources/webhook/test
```

Generated Sample 'X-Hmac' header

```
OFSLL:F/jj07qhgM3g5z91EHU/rdxYbaJ266SRnXsBRoUxgUc=
```

5. Clicking 'Generate' button OFSLL generates Client Secret Key. This key is used in generation of X-HMAC header that is sent to the third-party channel to validate origination of the request.

System generated 'X-HMAC' header uses base 64 encoded HMAC SHA 256 algorithm. This algorithm uses below logic:

Format: "OFSLL": Base64 Encoded [HMAC SHA 256 of ["Http Method Types":"Base64 Encoded Payload":" Http Content Types": "Service URL"] with Client Secret Key]

For example.

Client Secret Key

```
T0ZTTExfQjJCX1RFU1RfQ0xJRU5UOndlbGNvbWUx
```

Cipher Text for HMAC SHA 256

```
POST:ewogICAgIlJlcXVlc3RUeXBlljogIk9VVEJpVU5Elgp9:application/json:http://  
Hostname:Port/webhook/service/api/resources/webhook/basic
```

Generated Sample 'X-Hmac' header

```
OFSLL:q6xCpZrnudfB8owvYEi2+Aac4clM3b/XFVTVrChdQKA=
```

2.16.2 Event Details

The Event Details section acts as a single point of entry to define and update required Webhook Events in the system. In Event Details, you can define service end points of third-party application which accepts the communicated changes. Multiple end points can be defined to a single channel for each Event Criteria. These details are displayed as Webhook Event Action in Setup > Administration > System > Events screen.


To define Event Details

1. Select Setup > Administration > System > Webhook.
2. Select the required definition in **Webhook** section.
3. In the Event Details section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

Field	Do this:
Event	Select the event code from the drop-down list. The list is populated based on the enabled event codes maintained in Events setup screen.
Event Criteria	Select the event criteria from the drop-down list. The list is populated based on the enabled event criteria maintained for the selected event in Events setup screen.
Service End Point	Specify the third-party application end point URL which is propagated to Event Definition as an Event Action Parameter.
Event Message	Specify the event message which is propagated to Event Definition as an Event Action Parameter.

Field	Do this:
Enabled	Select this check box to enable the event details in the system.

4. Click  button and add the event details to the list.
5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

2.16.3 Monitoring Webhook Events

You can verify the status of all Webhook Event Actions on the JMS Queues screen of the System Monitor screen.

To monitor Webhook events

1. On the Oracle Financial Services Lending and Leasing home screen, click Dashboard > Dashboard > System Monitor > JMS Queues.
The Messages tab displays the 'Status' for all outbound Webhook events processed to third-party applications and their request in 'Response Message Details' section.

For more details, refer to Dashboard > System Monitor section in any of the User Guides.

3. Administration User

In the **Administration > User**, you can record setup data that define your organization structure and its users. Information in this link is more “data” related, whereas the information stored on the System drop-down link functions more like switches that control system behavior.

Navigating to Administration System

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Administration > User**.

The User drop-down link records the following data:

- Organization
- Companies
- Access
- Users
- Printers
- Intelligent Segmentation
- Currencies
- ZipCodes
- Payment Hierarchy

3.1 Organization

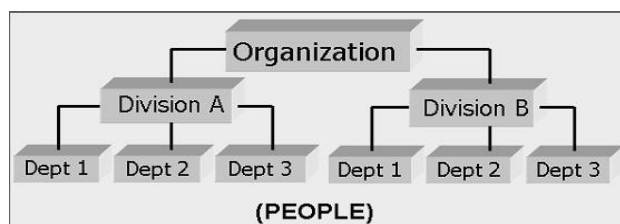
The Organization screen records the operational hierarchy of your business in terms of people. It groups the human resources of your business in three categories: organization, division, and department. The system uses this data to control access of users to (The Companies screen allows you to setup the location of these .)

Note

You can have only one active organization, so use the Organization field to define your organization at its highest level.

Divisions are groups within your organization that will have access to the same . Larger organizations often define their divisions by region. Smaller organizations may define division as branch offices or even departments, and might only have one division defined.

Departments are smaller units within a division. They expand on who is in the corresponding Division field. The system uses this sub screen, for example, when setting up the Services screen on the Utility form. At least one department must be defined for each division.



As an example of an organization setup, Oracle Corp. might be defined as:

Organization: O-0001Oracle Corp.ORA

Division: OD-001Central RegionC01

Department: ODD-01OriginationORG

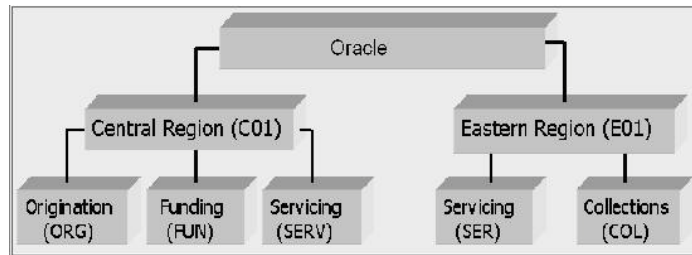
Department: ODD-02FundingFUN

Department: ODD-03ServicingSER

Division: OD-002Eastern RegionE01

Department: ODD-11ServicingSER

Department: ODD-12CollectionCOL



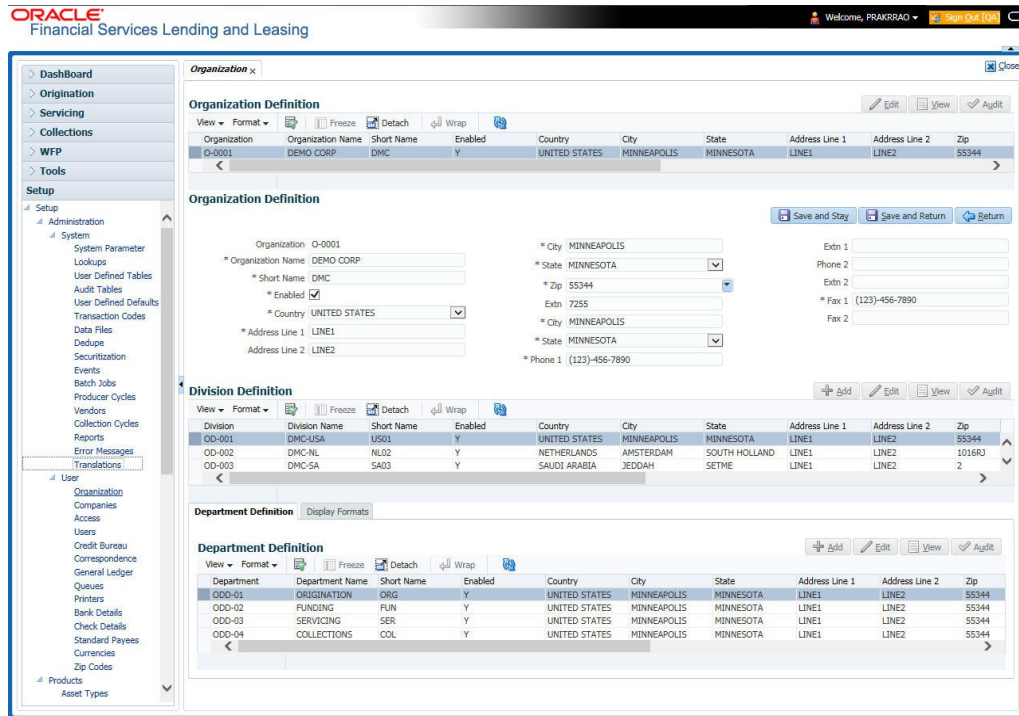
Note

The Short Name field on the Organization screen allows you to create the ID that Oracle Financial Services Lending and Leasing will use when referring to the organization, division, and department throughout the system.

To setup the Organization screen

1. Click **Setup > Setup > Administration > User > Organization**.

2. In the **Organization Definition** section, there can be only one active entry, so use this screen to define your organization at its highest level. Perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Organization	Specify the organization ID (the ID is the unique identifier used internally by Oracle Financial Services Lending and Leasing to represent your organization). Note: Do not edit this field.
Organization Name	Specify the organization name.
Short Name	Specify the short name for the organization. Note: This ID represents this organization throughout the system.
Enabled	Check this box to enable the organization. Note: Only one enabled organization is currently allowed by Oracle Financial Services Lending and Leasing.
Country	Select the country where the organization is located from the drop-down list.
City	Specify the city where the organization is located.
State	Select the state where the organization is located from the drop-down list.
Address Line 1	Specify the address line 1 for the organization.
Address Line 2	Specify the address line 2 for the organization.

Field:	Do this:
Zip	Select the zip code of the location where the organization is located from the drop-down list.
Extn	Specify the extension of the selected zip code.
Phone 1	Specify the primary phone number for the organization.
Extn 1	Specify the phone extension for the primary phone number.
Phone 2	Specify the alternate phone number for the organization .
Extn 2	Specify the phone extension for the alternate phone number, if specified.
Fax 1	Specify the primary fax number for the organization.
Fax 2	Specify the alternate fax number for the organization.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. In the **Division Definition** section, you can setup the information for the groups within your organization that will have access to the same Perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Division	Specify the division ID. The ID is the unique identifier used internally by the system to represent the division within the organization. Note: Once specified, do not edit this field.
Division Name	Specify the division name.
Short Name	Specify the short name for the division. Note: This ID represents this division throughout the system (required).
Enabled	Check this box to enable the division.
Country	Select the country where the division is located from the drop-down list.
City	Specify the city where the division is located.
State	Select the state where the division is located from the drop-down list.
Address Line 1	Specify the address line 1 for the division.
Address Line 2 (unlabeled)	Specify the address line 2 for the division.
Zip	Select the zip code of the location where the division is located from the drop-down list.

Field:	Do this:
Extn	Specify the extension of the selected zip code.
Phone 1	Specify the primary phone number for the division.
Extn 1	Specify the extension for the primary phone number.
Phone 2	Specify the alternate phone number for the division.
Extn 2	Specify the extension for the alternate phone number .
Fax 1	Specify the primary fax number for the division.
Fax 2	Specify the alternate fax number for the division.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
6. Click **Setup > Setup > Administration > User > Organization > Department Definition**.
7. On the **Department Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Department	Specify the department ID. Note: The ID is the unique identifier used internally by the system to represent the department within the division.
Department Name	Specify the department name.
Short Name	Specify the short name for the department. Note: This is the ID that appears throughout the system to represent this department.
Enabled	Check this box to enable the department.
Country	Select the country where the department is located from the drop-down list.
City	Specify the city where the department is located.
State	Select the state where the department is located from the drop-down list.
Address Line 1	Specify the address line 1 for the department.
Address Line 2	Specify the address line 2 for the department.
Zip	Select the zip code where the department is located from the drop-down list.
Extn	Specify the zip extension where the department is located.
Phone 1	Specify the primary phone number for the department.
Extn 1	Specify the phone extension for the primary phone number.

Field:	Do this:
Phone 2	Specify the alternate phone number for the department.
Extn 2	Specify the phone extension for the alternate phone number.
Fax 1	Specify the primary fax number for the department.
Fax 2	Specify the alternate fax number for the department.

8. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
9. Click **Setup > Setup > Administration > User > Organization > Display Format**.
10. On the **Display Format** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Format Type	Select the type of format from the drop-down list.
Format Sub Type	Select the sub type of the format from the drop-down list. The format sub type will be displayed based on the format type selected.
Format	Specify or select the format based on the format type and format sub type selected. For Date and Time Zone format, select the required option from the drop-down list.
Format Mask	Specify the format mask.
Format Filler	Specify the format filler.
Special Data	Specify the special data, if any.
Enabled	Check this box to enable the display format.

11. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.2 Companies

The Companies screen records the hierarchical structure of your portfolio companies and their branches. Just as Oracle Financial Services Lending and Leasing uses the Organization screen to determine the location of people, it uses the information on the Companies screen to determine the location of . In completing the Companies screen, there can be more than one company, and each company can have more than one branch.

Accounting is performed at the company level. can be sorted down to the branch level. For this reason, branches are set up to reflect different business practices. You would set up different branches if, for example:

- The General Ledger (GL) differs between branches
- The branches work with different accounts
- There is a difference between branches in terms of the tasks they perform

As an example of the companies setup, Oracle Corp. might have the following companies and branches defined as:

Company: C-0001TrustOne Financial CorpTOFC

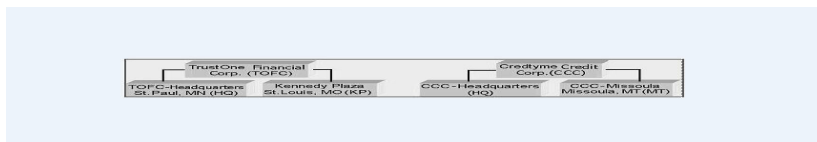
Branch: CB-01TOFC - HeadquartersHQ

Branch: CB-02Kennedy Plaza KP

Company: C-0002Credtyme Credit CorpCCC

Branch: CB-11CCC - HeadquartersHQ

Branch: CB-12CCC - MissoulaMT



Note

- The system does not limit the number of companies or associated branches with the company you can enter.
 - The Short Name field on the Companies screen allows you to create the ID that the system will use while referring to the company and branch.
-

KEY CONCEPT: Note the difference between the Company screen and the Organization screen:

- On the **Organization** screen, *Oracle Financial Services Lending and Leasing users* belong to an organization and division.
- On the **Companies** screen, *credit* belong to a company and branch.

As you can see in the following Access screen section, the information on the Organization and Companies screens define the operational hierarchy of your companies in terms of which Oracle Financial Services Lending and Leasing users will have access to which

To setup the Companies

1. Click **Setup > Setup > Administration > User > Companies**. The **Companies** screen defines entities within your organization that service .

2. In the **Company Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

Company	Name	Short Name	Currency	Enabled	Country	City	State	Company Time Zone	Address Line 1	Address Line 2	Zip
C-0001	DEMO BANK USA	USD1	US DOLLAR	Y	UNITED STATES	MINNEAPOLIS	MINNESOTA	WET	LINE1	LINE2 NW	55344
C-0002	DEMO BANK NL	NL02	NEW ZEALAND DO...	Y	NETHERLANDS	AMSTERDAM	SETME	US/CENTRAL	LINE1	LINE2	1016R
C-0003	DEMO BANK SA	SA03	RIAL OMANI	N	SAUDI ARABIA	JEDDAH	SETME	US/CENTRAL	LINE1	LINE2	2
C-0004	DEMO BANK JP	JP04	YEN	Y	JAPAN	TOKYO	SETME	ASIA/TOKYO	LINE1	LINE2	078-82
C-0005	DEMO BANK UK	UK01	POUND STERLING	Y	UNITED KINGDOM	LONDON	TEXAS	EUROPE/LONDON	UK1	UK2	WC2N

A brief description of the fields is given below:

Field:	Do this:
Company	Specify the portfolio company ID. (This ID is the unique identifier used internally by the system to represent the company).
Name	Specify the name of the portfolio company (required).
Short Name	Specify the short name for the portfolio company (ID displayed to represent the company).
Currency	Select the currency of the portfolio company from the drop-down list. The system displays the default value as 'US DOLLAR'.
Enabled	Check this box to enable the portfolio company.
Country	Select the country where the portfolio company is located from the drop-down list. The system displays the default value as 'UNITED STATES'.
Address Line 1	Specify the address line 1 for the portfolio company.
Address Line 2	Specify the address line 2 for the portfolio company.
Zip	Select the zip code of the location where the portfolio company is located from the drop-down list.
Extn	Specify the extension of the zip code where the portfolio company is located.
City	Specify the city where the portfolio company is located.
State	Select the state where the portfolio company is located from the drop-down list.

Field:	Do this:
Company Time Zone	Select the time zone in which the company operates using the drop-down list. This time zone is considered if system is setup to process GL at Company level. For more information, refer to 'Appendix - Configuration at Company Level' chapter.
Remittance Address section	
Country	Select the remittance address country from the drop-down list. The system displays the default value as 'UNITED STATES'.
Remittance Address 1	Specify the remittance address line 1, if it is different from the company address. This address is included as the remittance address on statements.
Remittance Address 2	Specify the remittance address line 2.
Zip	Select the zip code of the remittance address line 1 from the drop-down list.
Extn	Specify the extension of the remittance address zip code.
City	Specify the remittance address city.
State	Select the remittance address state from the drop-down list.
Phone 1	Specify the primary phone number for the portfolio company.
Extn 1	Specify the phone extension for the primary phone number.
Phone 2	Specify the alternate phone number for the portfolio company.
Extn 2	Specify the phone extension for the alternate phone number.
Fax 1	Specify the primary fax number for the portfolio company.
Fax 2	Specify the alternate fax number for the portfolio company.
Tax ID #	Specify the tax identification number for the portfolio company.
TCC	Specify the transmitter control code for the portfolio company (1098 Electronic Filing).
Contact	Specify the contact information about the portfolio company.
Coupon Order Code	If you are using coupons, Specify the coupon order code to be used by a third party printing the coupons for billing statements.
HMDA	Select the HMDA agency (Home Mortgage Disclosure Act reporting agency for the company).

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. On the **Branch Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

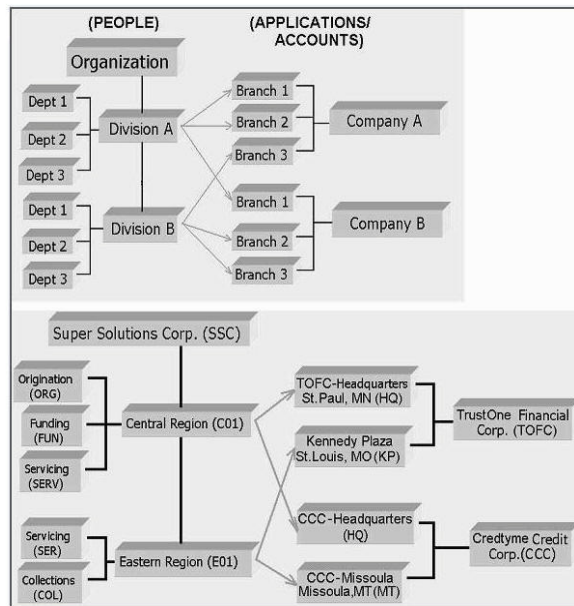
Field:	Do this:
Branch	Specify the portfolio branch ID. (This ID is the unique identifier used internally by the system to represent the branch within your company).
Name	Specify the name of the portfolio branch (required).
Short Name	Specify the short name for the portfolio branch (ID displayed to represent the branch) (required).
Enabled	Check this box to enable the portfolio branch.
Sub Unit	Select the Sub Unit from the drop-down list. Sub Unit refers the entity which is the source of funds for the credit application/Account. System associates the selected sub unit with the particular company/branch combination and displays by default when the same is selected during an application/Account creation.
Country	Select the country from the drop-down list. The system displays the default value as 'UNITED STATES'.
City	Specify the city where the portfolio branch is located.
State	Select the state from the drop-down list.
Address Line 1	Specify the address line 1 for the portfolio branch.
Address Line 2	Specify the address line 2 for the portfolio branch.
Zip	Select the zip code of the location where the portfolio branch is located.
Zip Extn	Specify the extension of the zip code, where the portfolio branch is located.
Phone 1	Specify the primary phone number for the portfolio branch.
Extn 1	Specify the phone extension for the primary phone number.
Phone 2	Specify the alternate phone number for the portfolio branch.
Extn 2	Specify the phone extension for the alternate phone number.
Fax 1	Specify the primary fax number for the portfolio branch.
Fax 2	Specify the alternate fax number for the portfolio branch.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3 Access

Using the organizations, divisions, companies, and branches created on the Organization and Companies screens, you can control the access privileges of . On the Access screen, you define which organization/division (users) can gain access to which company/branch () locations.

Normally, for each division within an organization, you would define a record with Company value of ALL and a Branch value of ALL, then select the Allowed box. You then define other records for the same Organization and Division for other Company and Branch combinations with the Allowed box cleared to restrict access.



To setup the Access

1. Click **Setup > Setup > Administration > User > Access**. The system displays the Access screen. In this screen, you can control the access privileges of the user for the following categories:

- Data
- Screen
- Reports
- Correspondence
- Webservice

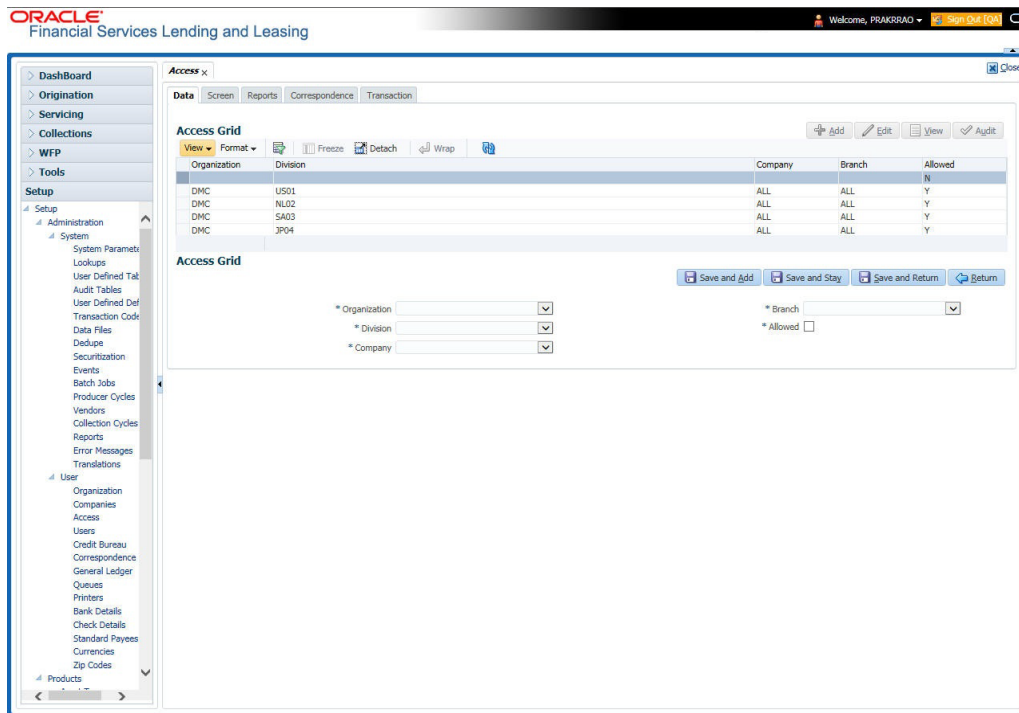
3.3.1 Data

The Data screen allows you to restrict access to different data.

To setup the Data

1. Click **Setup > Setup > Administration > User > Access > Data**.

2. In the **Access Grid** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Organization	Select the organization for which you are defining access privileges from the drop-down list.
Division	Select the division within the organization for which you are defining Access privileges from the drop-down list.
Company	Select the portfolio company to which you are defining access privileges for the organization and division specified from the drop-down list.
Branch	Select the portfolio branch of the company to which you are defining access privileges for the organization and division specified from the drop-down list.
Allowed	Check this box to provide access to the data pertaining to the company and branch, for the organization and division specified.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3.2 Screen

In the screen, you can control the access to the following:

1. Menu – Control access at the application menu level. For example, for **Setup** menu you can provide access only to an Administrator.
2. Screens – Control access to the screens available in the application.
3. Buttons – Control access based on the stage.

For example, Add and Edit buttons can be disabled once an application is funded.

If you want to restrict updating the Applicant details, then edit button has to be disabled for the stage.

4. Fields - Control access to base and user defined fields.

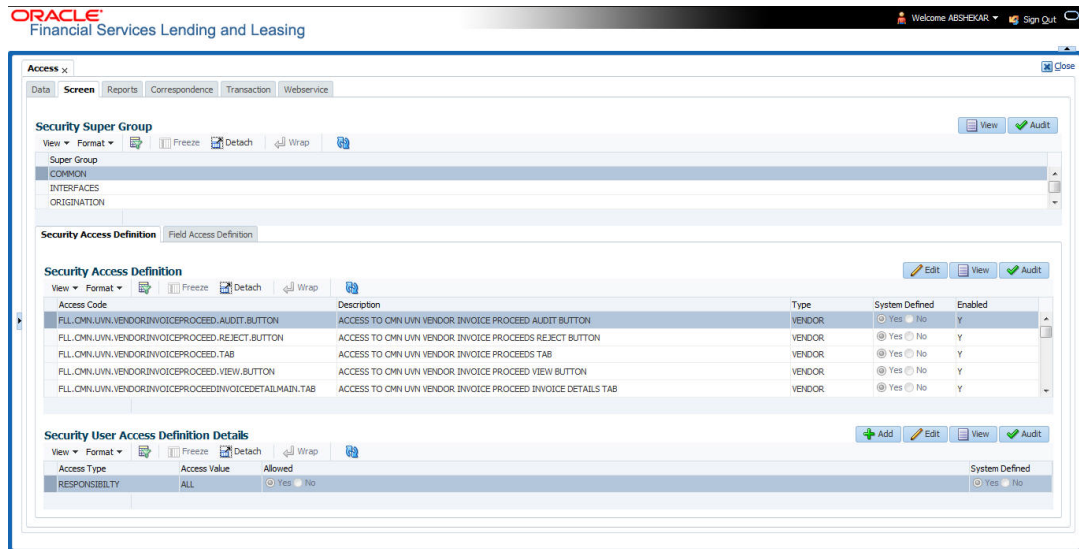
The screen allows you to restrict access to different screens and fields using the following tabs:

- Security Access Definition
- Field Access Definition

3.3.2.1 Security Access Definition

To set the Screen Security

1. Click **Setup > Setup > Administration > User > Access > Screen**.
2. In the **Security Super Group** section, you can view the details of the super group you want to work with.



3. In the **Security Access Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

Note

You can not add a new record

A brief description of the fields is given below:

Field:	Do this:
Access Code	The system displays the selected access code.
Description	Modify the description of the access code.
Type	The system displays the type of security access definition.
System Defined	If 'Yes' is selected, the security access definition entry is system defined. If 'No' is selected, the security access definition entry is manually defined.

Field:	Do this:
Enabled	Check this box to enable the security access definition entry is enabled.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
5. In the **Security User Access Details** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Access Type	Select the access type of the user who will have access to this screen from the drop-down list.
Active Value	Select the active value of the user who will have access to this screen from the drop-down list.
Allowed	Select 'Yes' to allow access to this screen or 'No' to deny access to this screen.
System Defined	Select 'Yes', if the screen user access definition entry is system defined. Select 'No', if the screen user access definition entry is manually defined.

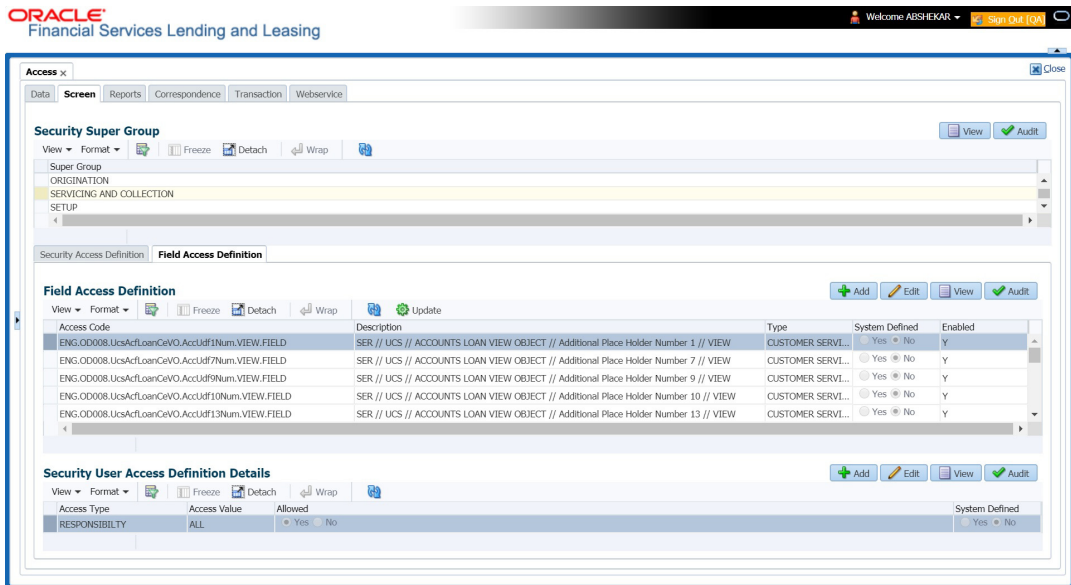
6. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3.2.2 **Field Access Definition**

The Field Access Definition tab facilitates for field customization in the User Interface (UI) screen. In this tab, you can do the following:

- Enable User Defined Fields (UDFs) to be displayed in respective UI which are provided as part of product installation/upgrade
- Allow or restrict user access to base non-mandatory fields and UDFs maintained in the system

- Regroup base fields to another section in UI



Note the following:

- The Field Access Definition tab displays User defined Fields maintained in the system for which you can specifically define access permissions based on user responsibility.
- The base mandatory fields are loaded automatically and Access Responsibility is set to ALL by default during product installation/upgrade. The same cannot be modified and hence are not displayed in this tab.
- Field access and customizations are to be performed at your sole discretion and OFSLL is not responsible for any impact/damage/mismatch in the data being represented or resulting out of this change.
- Field labels can further be customized in Administration > System > [Label Configuration](#) screen.

Before defining field access, refer to the table below which indicates the possible combinations of a particular field being displayed and allowed to edit in UI.

View Type	Access	Result
VIEW	NO	NON VIEWABLE
VIEW	YES	VIEWABLE AND EDITABLE
LOCK	NO	READONLY
LOCK	YES	VIEWABLE AND EDITABLE

To add/enable new User Defined Fields

1. In the 'Field Access Definition' section, click 'Add' and populate the following details:

Field:	Do this:
Language	Select the language of the user(s) who will have access to this field from the drop-down list.
Division	Select the division or group within the organization to which the user belongs from the drop-down list.

Field:	Do this:
Object Name	Select the Object Name from the drop-down list. You can use the search option to query based on specific name. The list is populated based on the combination of Language and Division selected above.
Field Name	Select the field to be updated from the drop-down list. The list is displayed based on the object selected.
Access Type	Select the access type as one of the following from the drop-down list. View - to display and make the field editable. Lock - to only display the field. Note: Option defined here takes precedence with the display (Y/N) option selected in Setup > Administration > System > Label Configuration tab.
System Defined	Select 'Yes', if the field access definition is system defined. Select 'No', if the field access definition is manually defined.
Enabled	Check this box to enable the field access definition.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
3. Click 'Update'. System refreshes the cache and automatically updates the Field Access Details from database to display in header section.

After updating the required changes in screen, you need to logout and re-login for changes to be effective. This is basically to refresh session cache and update Field Access information from database server. Though, there is 'Update' option, clicking on the same only refreshes the cache and reloads the record.

To enable/disable Base fields

1. In the 'Field Access Definition' section, click 'Edit' and populate the following details::

Field:	Do this:
Access Code	View the access code defined for the field.
Description	View the access code description. You can modify the details if required.
Type	By default, system displays the name of the group inside which the field is displayed in UI. To move the field to a different group, select the required type from the drop-down list.
System Defined	Select 'Yes', if the screen field access definition is system defined. Select 'No', if the screen field access definition is manually defined.
Enabled	Check this box to enable the field access definition.

3.3.2.3 Security User Access Definition Details

The 'Security User Access Definition Details' sub tab is available only for base - non mandatory fields and user defined fields. In the 'Security User Access Definition Details' sub tab you can defined field access and set restrictions to specific user responsibility.

1. In the 'Security User Access Definition Details' section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Access Type	Select RESPONSIBILITY as the access type from the drop-down list since access to field is based on responsibility by default. This field is disabled during edit.
Active Value	Select the user role who needs to have access to this field from the drop-down list.
Allowed	Select 'Yes' to allow access to this field or 'No' to deny access to this field.
System Defined	Select 'Yes', if the field user access definition is system defined. Select 'No', if the field user access definition is manually defined.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3.3 Reports

In the Reports screen you can control access to generate certain reports.

To set up Reports

1. Click **Setup > Setup > Administration > User > Access > Reports.**
2. In the **Reports** section, you can view the following information:

The screenshot displays the Oracle Financial Services Lending and Leasing interface. The main window is titled 'Access x' and shows the 'Reports' section. The 'Reports' table lists various reports with their codes, modules, descriptions, and enabled status. Below the table, the 'Reports User Access Definition' section allows users to configure access for a specific report. The configuration includes fields for 'Access Type', 'Access Value', 'Allowed' (Yes/No), and 'System Defined' (Yes/No). The 'Allowed' field is currently set to 'Yes', and the 'System Defined' field is set to 'No'. The interface also includes a navigation pane on the left and a top menu bar with options like 'Data', 'Screen', 'Reports', 'Correspondence', and 'Transaction'.

A brief description of the fields is given below:

Field	View this:
Code	Displays the code of the report.
Module	Displays the code of the report from the drop-down list.
Description	Displays the description of the report.
Enabled	Displays whether the report definition is enabled or not.

3. In the **Reports User Access Definition** section, you can set the access rights for the report selected in the Reports section. Perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Access Type	Select the access grid function type from the drop-down list.
Access Value	Select the access function grid value from the drop-down list.
Allowed	Select 'Yes' to allow access or 'No' to restrict access to the entry based on the access type and value.
System Defined Yes/No	Select 'Yes', if the report user access definition entry is system defined. Select 'No', If the report user access definition entry is manually defined.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3.4 **Correspondence**

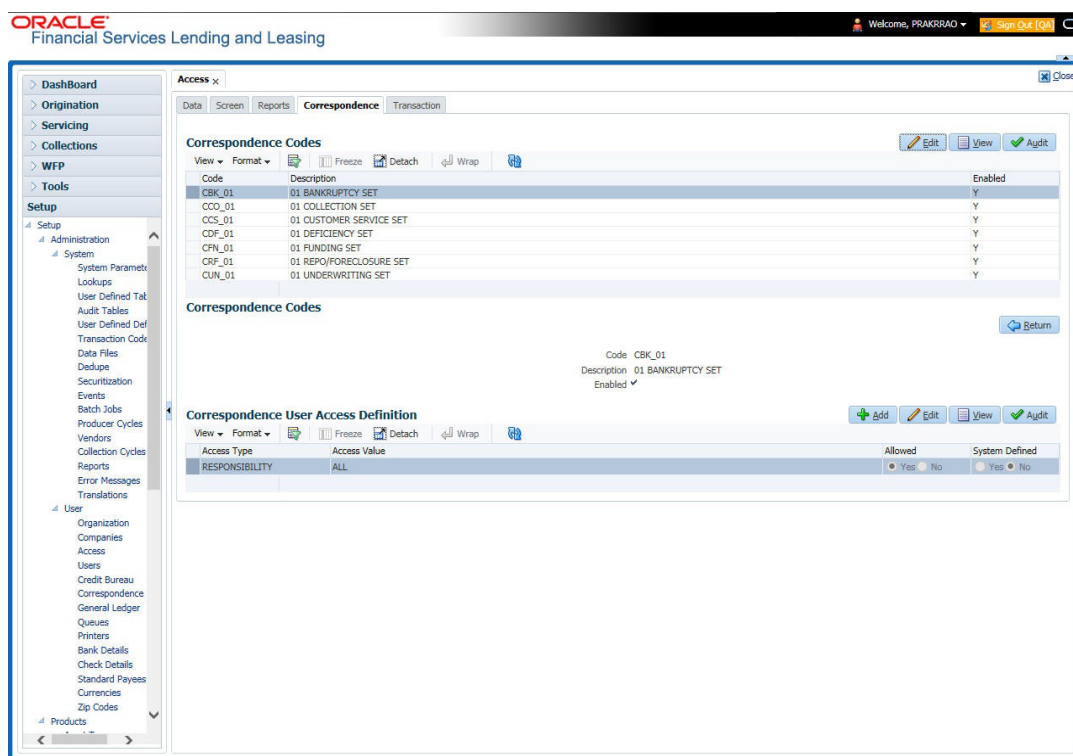
The Correspondence screen allows you to restrict access to different correspondence commands on the Letters menu, thus restricting your ability to generate certain correspondence.

If you do not have the responsibility to create a type of correspondence, the corresponding command on the Letters menu is unavailable (dimmed).

To setup the Correspondence

1. Click **Setup > Setup > Administration > User > Access > Correspondence**.

- In the **Correspondence Codes** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Code	The system displays the correspondence code name you want to work with.
Description	The system displays the description for the correspondence code (display only).
Enabled	Check this box to enable the selected correspondence code entry.

- In the **Correspondence User Access Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Access Type	Select the access grid function type from the drop-down list.
Access Value	Select the access function grid value from the drop-down list.
Allowed	Select 'Yes' to allow access or 'No' to restrict access to the entry based on the access type and value.
System Defined Yes/No	Select 'Yes', if the correspondence user access definition entry is system defined. Select 'No', If the correspondence user access definition entry is manually defined.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.3.5 **Webservice**

The Webservice screen in Access setup allows you to configure access to the available RESTful webservices in the system. The associated seed data for all the RESTful webservices are loaded during product installation and process of installing the same is detailed in the Installation guide.

As an administrator/superuser, you can Enable/Disable Web Service access to users based on their responsibility and ensure that only authorized user have access to specific type of data in the system. Following list indicates some of the available RESTful webservices in the system and the complete list is made available in swagger JSON file shared in OTN library.

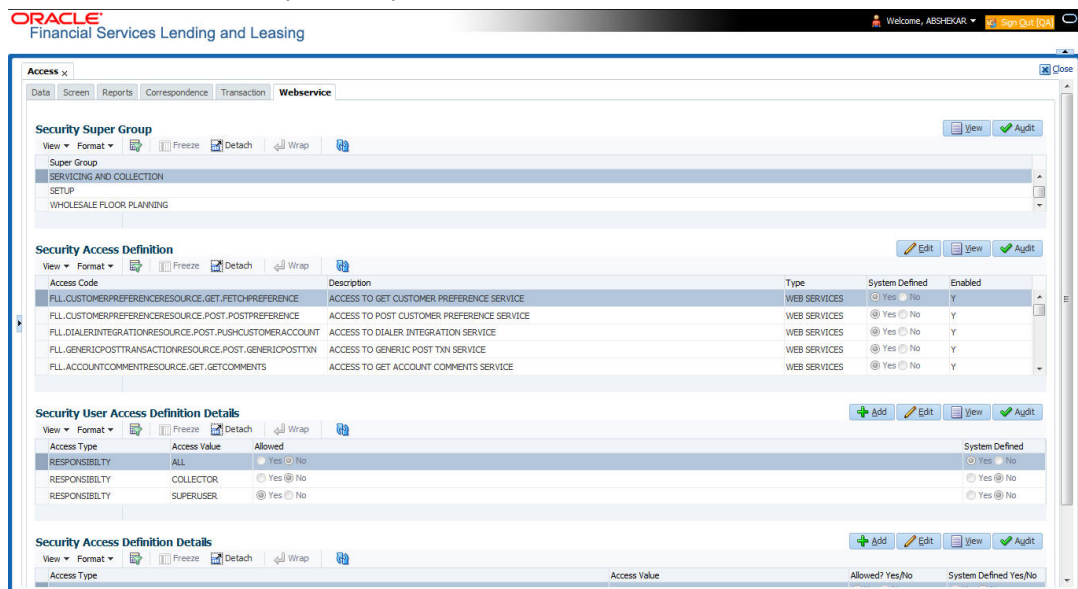
- Generic Post Transaction Service
- Call Activity Service
- Scheduler Service
- Account Search Service
- Account Boarding Service
- Payment Posting Service
- Account Detail Service
- Calculator Service
- Application Search Service
- Get Scenario Analysis Service
- Post Scenario Analysis Service
- Lookup Service
- Dialer Integration Service
- Application GET Service
- Application Entry service
- Application Update Service
- Application Status Change
- Application Checklist
- Application ACH GET Service
- Application ACH POST Service
- Application Comment GET Service
- Application Comment POST Service
- Application Document GET Service
- Application Document POST Service
- Account Comment GET Service
- Account Comment POST Service
- Account Document GET Service
- Account Document POST Service
- Process File Upload Service
- Process File Download Service
- Process File List Service
- Product Service
- Asset Service

- Asset Sub-Type Service
- Scheduler Force ReSubmit
- Remarketing GET Service
- Remarketing POST Service
- Invoice GET Service
- Invoice POST Service

To setup the Webservice access

1. Click **Setup > Setup > Administration > User > Access > Webservice**. The screen consists of the following tabs:

- Security Super Group
- Security Access Definition
- Security User Access Definition Details
- Security Access Definition Details (This sub tab is available only for 'SERVICING AND COLLECTION' Super Group).



2. The 'Security Super Group' section, contains the following super group categories for selection:

- COMMOM
- INTERFACES
- ORIGNATION
- SERVICING and COLLECTIONS
- SETUP
- WHOLESALE FLOOR PLANNING

3. Select the required Super Group and the associated data in sub tabs are categorized accordingly.

4. In the 'Security Access Definition' section, you can view the following field details and edit only the 'Description' and 'Enabled' status of selected Security Access Definition.

Field:	Do this:
Access Code	The system displays the webservice access code.

Field:	Do this:
Description	The system displays the description of the associated webservice access code and can be edited for required changes.
Type	The system displays the type of security access definition.
System Defined	If selected as 'Yes', the security access definition entry is system defined. If selected as 'No', the security access definition entry is manually defined.
Enabled	Check this box to enable the selected webservice access code.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
6. In the **Security User Access Details** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

Field:	Do this:
Access Type	Select 'Responsibility' (default) as the access type from the drop-down list. For this access type to be available in the drop-down list, ensure that the Lookup Type 'ACCESS_GRID_TYPE_CD' is maintained in the system.
Access Value	This field is 'Read-only' for 'System Defined' Security Access Definitions which are loaded as part of seed data during installation. For non-system defined Security Access Definitions, select the access value which is the user responsibility who needs to have access to this webservice from the drop-down list. For user responsibilities to be populated in the drop-down list, ensure that the Lookup Type 'RESPONSIBILITY_CD' is maintained in the system.
Allowed	Select 'Yes' to allow user access to this webservice or 'No' to deny access. By default, No' is selected.
System Defined	Select 'Yes', if the webservice user access definition entry is system defined. Select 'No', if the webservice user access definition entry is manually defined.

7. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Security Access Definition Details

If you have selected the Security Super Group as 'SERVICING and COLLECTIONS', there is an additional sub section 'Security Access Definition Details' enabled. This sub tab facilitates you to further restrict and control access to specific type of data within the accessible RESTful web services. The restriction can be defined based on specific 'Account Condition' or 'Account Status'.

For example, out of all the account types maintained in the system you can restrict data access to only delinquent account(s) to a particular user responsibility by selecting Access Type as 'Account Condition' and Access Value as 'Delinquent',

Controlling web service data access to permitted user(s)

For any user to access web service data, you need to define at least one positive (allowed) definition defined in 'Security Access Definition Details' section. Else, webservice data is not displayed for that particular user even if that user responsibility has permissions to access web service.

OFSLL supports multiple user conditions on an Account and system requires to have at least one account condition defined as 'Allowed' in setup to display the data. In case, even if any one of the account condition is defined as 'Not Allowed' in setup, then system does not allow to access the data.

During the following scenarios, data is either displayed/not displayed in Webservice screen:

Scenario	Data displayed
No condition is available on the account and also no condition defined in setup	Data is displayed since there is no restriction.
Condition is available on the account but not defined in setup	Data is not displayed since restriction is applied
Multiple conditions are available on the account and one condition is defined in setup as 'Allowed'	Data is displayed
Multiple conditions are available on the account and one condition is defined in setup as 'Not Allowed'	Data is not displayed

Whenever user with specific responsibility tries to access the restricted data, following type of error messages are displayed:

- For POST/PUT service, system displays error as 'Access denied' with HTTP Error Code 401.
- For GET service with single account record, system displays error message as 'No data found' with http error code 400.
- For GET service with multiple account records, of which some have access restriction and other don't, then system displays only the unrestricted records and does not display the restricted records. In such a case, error message is not displayed.

Note

When multiple user access definitions are defined in the system, while processing the data access request to a web service OFSLL first validates for any access restrictions on the user responsibility. If not, then validates the same against 'ALL' responsibility before displaying the data in Webservice screen.

For example, if data access restriction is defined for ALL and SUPERUSER responsibilities. when logged in with SUPERUSER responsibility, the data restriction of SUPERUSER is applied. In case, if the user logs in with any other responsibility other than SUPERUSER, then restriction defined for 'ALL' is applied.

To define Security Access Definition Details

1. Click **Setup > Setup > Administration > User > Access > Webservice** tab.
2. Select the module in Security Super section as 'SERVICING and COLLECTIONS'.
3. Select the user responsibility in 'Security User Access Definition Details' section.

4. In the **Security Access Definition Details** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields are given below:

Field	Do this:
Access Type	Select the access function type (as either ACCOUNT CONDITION OR ACCOUNT STATUS) that is being used to control the user access from the drop-down list.
Access Value	Select the access value from the drop-down list. The list is sorted based on the Access Type selected. Also, based on a lookup associated with the Access Type multiple entries for each access type can be created as long as each has a different access value.
Allowed? Yes/No	Select 'Yes' if the access is allowed and 'No' if the access is not allowed. This indicates whether the selected combination of Access Type and Access Value is allowed to access the data.
System Defined Yes/No	Select 'Yes', if you wish to maintain access type as system defined and 'No', if you do not want to maintain it as system defined. However, system defined entries cannot be modified.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.4 Users

The Users screen allows you to create and set up an user. In the User Definition section, you can assign a user an identification name and password to log on to the system. You can also assign the organization, division, and department where each user is located. Additional fields allow you to record information for contacting the user. You can also define the time frame within which a user has access to the system to ensure compliance to the company's schedule. This is a very useful feature to prevent logins during scheduled maintenance.

The Responsibility field records the job function of the user and defines the level of access that user has within the system; in particular:

- What menu items does the user have access to?

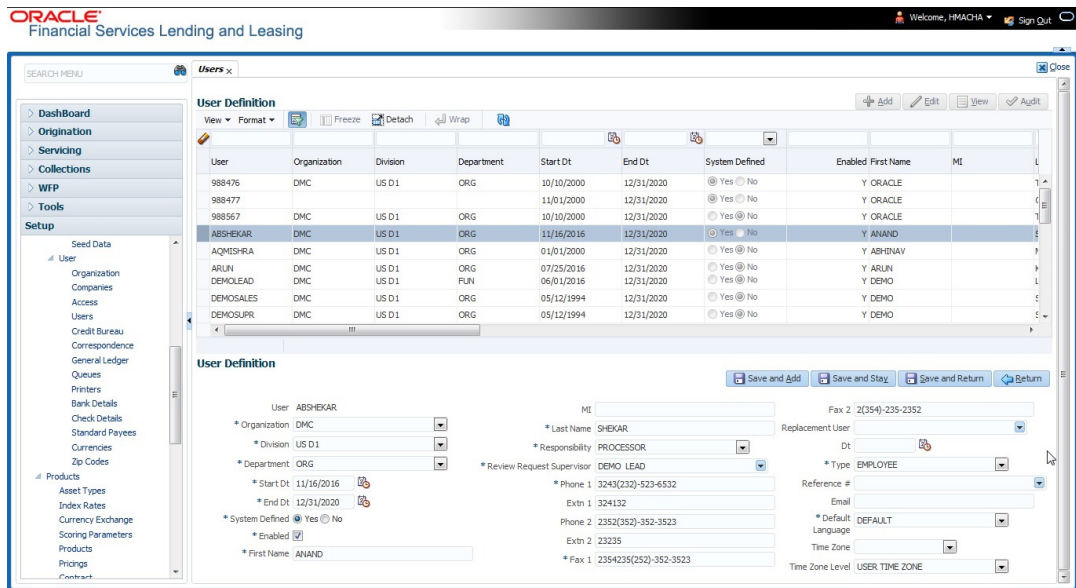
Note

The system's SUPERUSER responsibility grants access to the entire system. Give careful consideration to the number and type of users who receive this responsibility.

To set up the Users screen

1. Click **Setup > Setup > Administration > User > Users**. The system displays the Users screen.

2. In the **User Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
User	Specify the user ID. Note: This field is a unique indicator and cannot be updated, edited, or deleted once saved.
Organization	Select the organization to which the user belongs, from the drop-down list.
Division	Select the division to which the user belongs, from the drop-down list.
Department	Select the department to which the user belongs, from the drop-down list.
Start Dt	Specify the start date for the user. You can also select from the adjoining calender icon.
End Dt	Specify the end date for the user. You can also select from the adjoining calender icon.
System Defined	Select 'Yes', if the entry is system defined. System defined entries cannot be modified. Select 'No', if the entry is not system defined and it can be modified.
Enabled	Check this box to enable the user.
First Name	Specify the first name of the user.
MI	Specify the middle initial of the user.
Last Name	Specify the last name of the user.

Field:	Do this:
Responsibility	Select the responsibility for the user from the drop-down list. Note: The users mapped to the role 'Responsibility' can only view the screens.
Review Request Supervisor	Select the supervisor responsibility who can also review and respond to review requests from the drop-down list. The list displays the corresponding Review Request Supervisors who are either one or more levels higher from the above selected user 'Responsibility' as maintained in 'RESPONSIBILITY_CD' lookup code.
Phone 1	Specify the user's primary phone number.
Extn 1	Specify the phone extension for the primary phone number.
Phone 2	Specify the user's alternate phone number.
Extn 2	Specify the phone extension for the alternate phone number.
Fax 1	Specify the user's primary fax number.
Fax 2	Specify the user's alternate fax number.
Replacement User	Select the user ID of the replacement user from the drop-down list.
Dt	Specify the date from when the replacement is effective. You can also select from the adjoining calendar icon. Note: These two fields allow you to create a replacement user for the current user. This is particularly useful when a new employee assumes the duties of a former. By completing the Replacement User and Replacement Dt field, the system recognizes the replacement user as the current user on the effective date. For more information, refer the section, 'Replacement Users'.
Type	Select the user type from the drop-down list.
Reference #	Specify the reference number for the user from the drop-down list.
Email	Specify user's email address.
Default language	Select the default language from the drop-down list.
Time Zone	Select the required Time Zone from the drop-down list, The specified time zone would be applicable at company level.
Time Zone Level	Select the time zone level (Organization, Company or User) that would apply by default, when specific time zone is not specified at Company and User level.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.4.1 Replacement users

By completing the **Replacement User** and **Dt** fields on the Users screen, you can replace an existing user with a new user. The system assigns all responsibilities of the original user to the new user as of the date of the replacement.

The **Replacement User** and **Dt** fields allow you to designate a replacement for the current user in the User ID field. When you complete the **Replacement User** and **Dt** fields, save your entry, and then enable the record, the system replaces the original user. The system changes the **End Dt** field to the date when the original user was replaced (the same date in the Dt field).

The system assigns the queues of the original user to only those replacement users who have the same user responsibilities (or Super User responsibility) as set in the system.

The system updates the following when replacing users:

1. Assigns all applications in the replaced user's underwriting queue with the status NEW to the replacement user's queue.
2. Assigns all applications in the replaced user's funding queue with a status other than FUNDED to the replacement user's queue. The system currently stores the collector name in the back end tables, which are updated with the replacement users ID in the case of the replacement of any user.
3. Also updates the Producer Management screen with the replacement user in the **Underwriter** and **Collector** fields. The system assigns all applications routed to the original user to the replacement user. This also includes any future applications for the replaced user.
4. The system automatically updates the **Collector ID** field in all accounts to the replacement user and routes all accounts assigned to the original user to the replacement user.

Note

The system will not update the replacement user ID for accounts that are closed.

5. On the queue setup of Customer Service screen's Responsibilities sub screen, the record for the original user will be disabled and a new record will be created for the replacement user. If the replacement user already exists in the setup, The system will not create a new record. It updates the user ID and routes all accounts that were assigned to the original user, based on the account condition, to the replacement user.

3.4.2 Application and Oracle Identity Manager Synchronization

Oracle Identity Manager is for user administration. Oracle Financial Services Lending and Leasing has been developed in such a way that it can be implemented with or without Oracle Identity Manager. In case OID has been employed, the user definition is done in OID and then synchronized to the Oracle Financial Services Lending and Leasing Users table using a utility JAR called OID Synchronization JAR. In OID, users are defined across various groups belonging to a realm which is nothing but the directory structure in OID. A user can be configured to belong to multiple groups in a realm. Every time the user tries to login to Oracle Financial Services Lending and Leasing or OBIEE, the system validates the login ID and the password with OID and provides access to those applications.

Note

You can define multiple templates for each document and the template file name (BIP template) is picked based on following criteria – Product and Producer / Account / Customer State.

6.

3.4.3

1. For example: SAMPLE_LOAN_APP
2. In the **Document Elements** section, add the elements required in the correspondence.
3. Click on Gen.Data File to generate PDF file of the report.



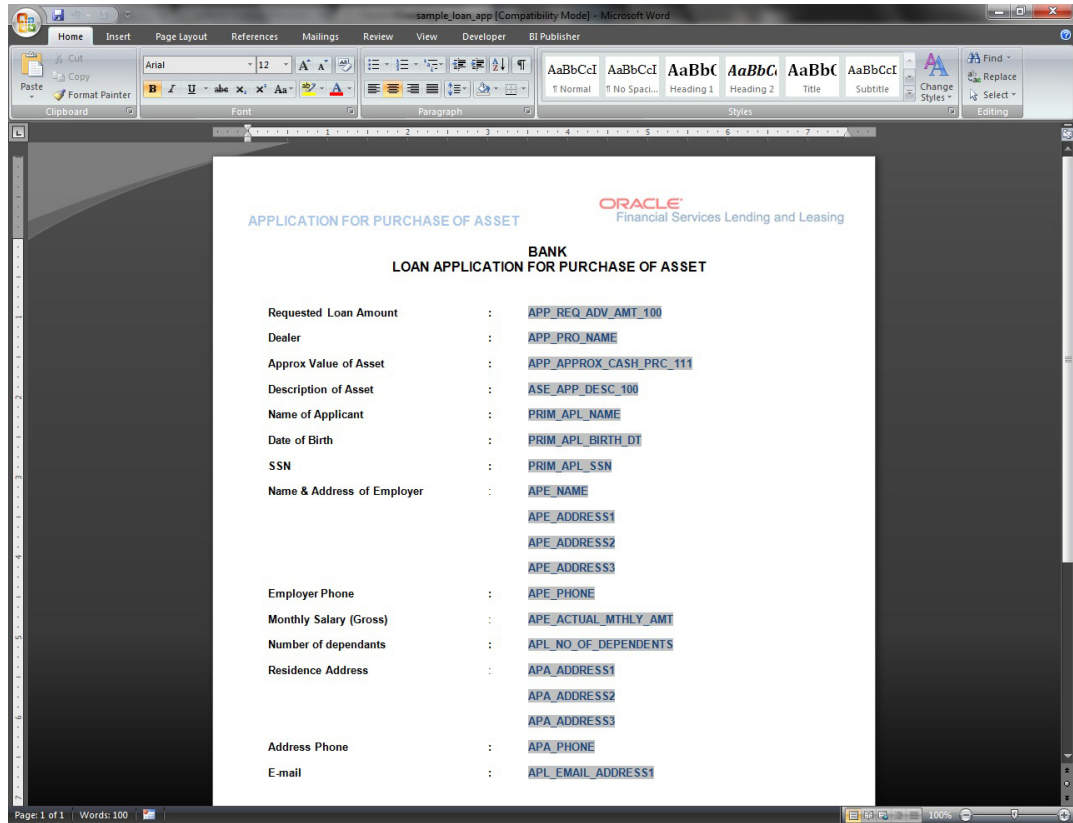
4. Copy and save the content in the pdf file as an xml file. The saved xml file should have the same name as entered in the Code column of Document Definition section. For Example: SAMPLE_LOAN_APP.xml.
5. Open MS Word.

Note

Oracle Financial Services Software assumes that BIP Desktop Tool is installed and the user is familiar with the BIP Report Tool.

6. In BI Publisher Tab in MS Word, click on Sample XML and import the saved xml file. For Example: SAMPLE_LOAN_APP.xml.

7. Create the template by inserting required elements tag.



8. The template created in MS Word should be saved with **.rtf** extension. *For Example:* SAMPLE_LOAN_APP.rtf

Note

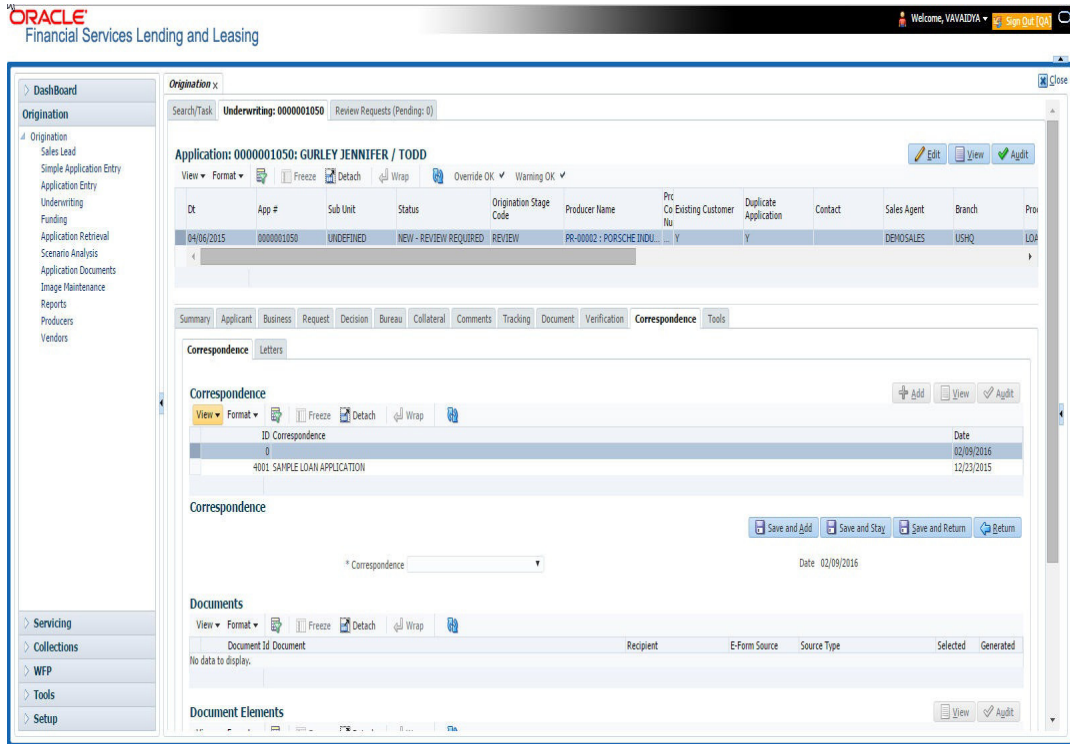
The **.xml** and **.rtf** file should be saved with the same name as entered in the 'Code' column of Document Definition section.

9. Upload the rtf template in the BIP and create the data model with SQL query as “select CDO_XML_DOCUMENT from correspondence_docs where cdo_id = :docId”.
10. After the data model creation, launch the correspondence screen and click Correspondence tab.
11. You can setup a correspondence with the created doc.

3.4.4

1. open the application for which the correspondence should be generated.
2. Click **Correspondence** tab. In the **Correspondence** section, click on **Add**.

3. Select the created **Correspondence**. Click **Save and Add** to save and add a new record. Click to **Save and Return** save and return to main screen. Click **Return** to return to main screen without modifications.



4. Click **Generate** to generate the selected correspondence and **View Correspondence** to view the Correspondence in PDF format.

APPLICATION FOR PURCHASE OF ASSET

**BANK
LOAN APPLICATION FOR PURCHASE OF ASSET**

Requested Loan Amount	:	20000.00
Dealer	:	
Approx Value of Asset	:	.00
Description of Asset	:	2005 TOYOTA CAMRY
Name of Applicant	:	ANDREW WATT
Date of Birth	:	07/15/1975
SSN	:	XXXXX2147
Name & Address of Employer	:	58, EAST 19TH STREET
		HOLTSVILLE NY 00544
Employer Phone	:	0
Monthly Salary (Gross)	:	552230.00
Number of dependants	:	0
Residence Address	:	34, WEST 69TH ST N BCH N
		NEW YORK MA 01730 US
Address Phone	:	0
E-mail	:	ANDREW.WATT@XYZ.COM

I declare that the information given in the application is true to the best of my knowledge and belief

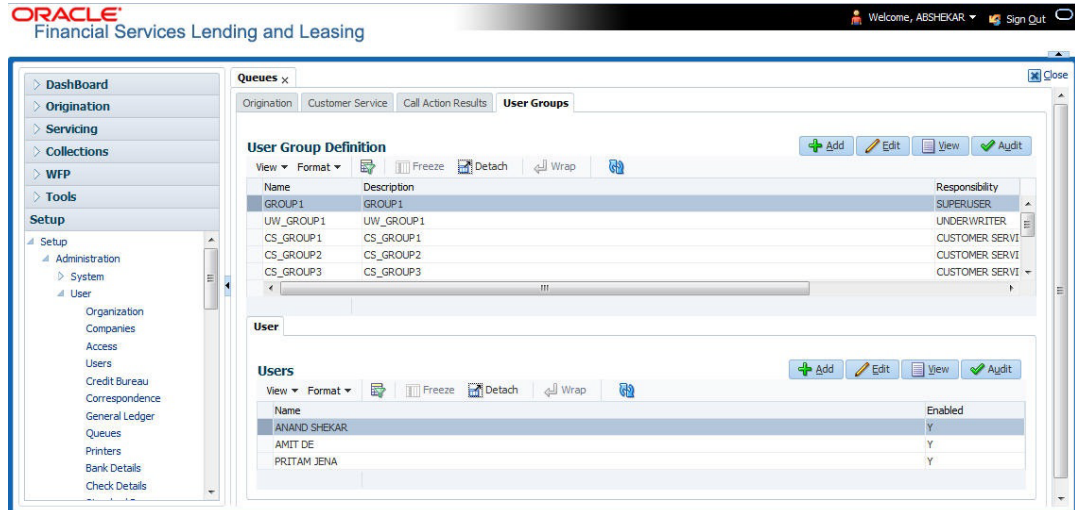
Signature of the Applicant _____

- 5.

3.4.5 User Groups Tab

The User Groups tab in Queues is a centralized repository which allows you to define user groups, add and remove users from user groups.

The User Groups tab consists of User Group Definition section listing the defined User Groups and User section below listing the associated users of the selected User Group.



To define a User Group

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Administration > User > Queues > User Groups**.
2. In the **User Groups** section, Click **Add**. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Name	Specify user group name.
Description	Specify an appropriate user group description. The same is used while referring this User Group on other screens.
Responsibility	Select the responsibility of the user group from the drop-down list. You can later add only those 'Users' who have the selected responsibility into the user group.
Enabled	Check this box to enable the user group.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

To add Users to User Group

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Administration > User > Queues > User Groups**.
2. In the **User Groups** section, select the required User Group.
3. In the **Users** section, Click **Add**. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Name	Select the user from the drop-down list, The list displays the available users based on the responsibility defined for the user group.
Enabled	Check this box to enable the user.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.5 Printers

The Printers screen allows you to set up an unlimited number of network printers and fax devices to be used with the system server. The system uses the information on this screen while selecting a printer, when the printing process involves a batch job or uses a job scheduler. Examples include printing reports and correspondence.

The printers and fax devices can be set up at each organization, division, or department to promote efficient printing of documents, and reports. The system uses this information during product setup and on the Letters screen in the **Batch Printer** field.

Special printer names

The following printer names are predefined and have specific functions within the system:

Name	Description
UNDEFINED	Indicates that the document to be printed is to be previewed in your browser instead of actually printing the document.
ARCHIVE	Instead of sending an item to the printer, the system generates a PDF document and saves it in the archive directory on your server.
EMAIL	For origination correspondences that can be faxed, the system e-mails the document as a PDF attachment to the consumer for direct or to the producer in the case of in-direct .
FAX	For origination correspondences that can be faxed, the system generates a PDF document and will send to the fax server defined in System Parameters.

Additionally, you may set up composite entries in the Printer Name field to perform two or more functions at the same time. This can be done by defining a printer name with the following format:

PRINTER NAME = <PRINTER_NAME1> + <PRINTER_NAME2>

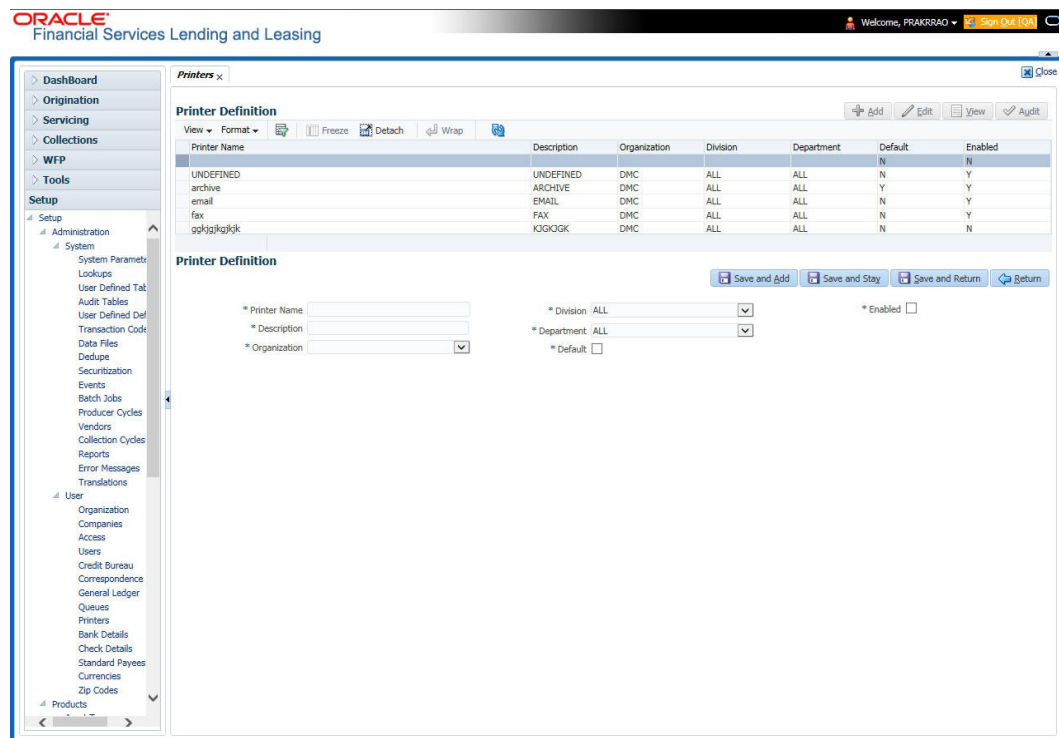
For example, if a printer named JET4050 was previously defined, as were the special printer names listed above, then the following additional printers could be defined:

Name	Description
JET4050+ARCHIVE	Prints the document with the jet4050 printer and archives the document.

Name	Description
FAX+ARCHIVE	Faxes and archives the document.
EMAIL+ARCHIVE+JET4050	E-mails, archives, and prints the document with the jet4050 printer.

To set up the Printers

1. Click **Setup > Setup > Administration > User > Printers**. The system displays the Printers screen
2. In the **Printers** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Printer Name	Specify the printer name. The name of the printer as defined by the server. For a UNIX server, the name might be JET4050, while to access the same printer from a Windows server the name would be: \\servername\jet4050.
Description	Specify the description for the printer.
Organization	Select the organization to which the printer belongs, from the drop-down list.
Division	Select the division to which the printer belongs, from the drop-down list. The division will be displayed based on the organization selected.

Field:	Do this:
Department	<p>Select the department to which the printer belongs, from the drop-down list. The department will be displayed based on the division selected.</p> <p>IMPORTANT: When you select a printer to use, the system searches for a best match using the following attributes:</p> <ul style="list-style-type: none"> 1 Organization 2 Division 3 Department <p>Hence, Oracle recommends creating a version of each edit, where ALL is the value in these fields.</p> <p>It is also recommended that, you define a default printer for an Organization, Division and Department.</p>
Default	Check this box to set the printer as a default printer.
Enabled	<p>Check this box to enable the printer and that the printer is active.</p> <p>Note: Never disable the UNDEFINED printer.</p>

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.6 Intelligent Segmentation

OFSLL is equipped to leverage the Machine Learning (ML) feature of Oracle Database to suggest and create Customer Servicing Queues by analysing the current system data. Using this functionality, system automatically identifies the possible Queue/Segmentation for Account data using the Machine Learning Algorithm thereby creating an Intelligent Segmentation.

This helps to automate the manual process of queue creation which is otherwise done by identifying different segments of Accounts and assigning day to day Customer Service Activities. Further queue processing workflow continues as detailed in '[Queues](#)' section.

3.6.1 Machine Learning for Queue Creation

The Intelligent Segmentation screen in OFSLL is based on the Oracle JavaScript Extension Toolkit (Oracle JET) framework. This facilitates to identify different clusters of data and create queues.

In order to access the Intelligent Segmentation screen from the User Interface menu link, you need to enable the system parameter FLL_SET_JET_INTELLIGENTSEG_URL (JET INTELLIGENT SEGMENTATION URL). For more details on installing and deploying this feature in OFSLL, refer to Installation Manual.

In this screen, you do the following:



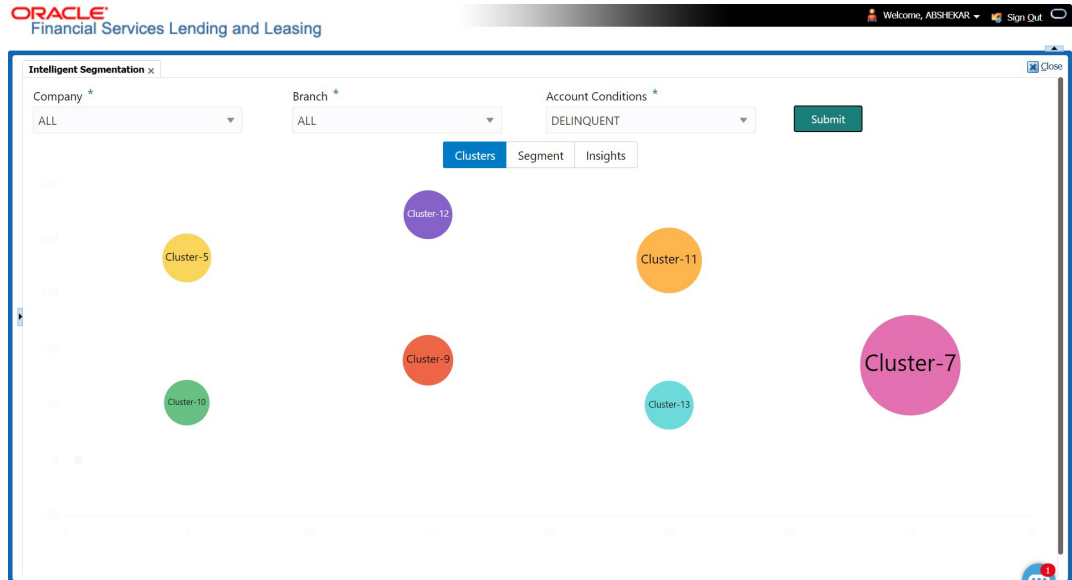
- Identify Cluster of Data for a given Account Condition.
- View hierarchy of cluster and list of accounts falling into different levels of cluster.

- Create a queue by selecting Cluster

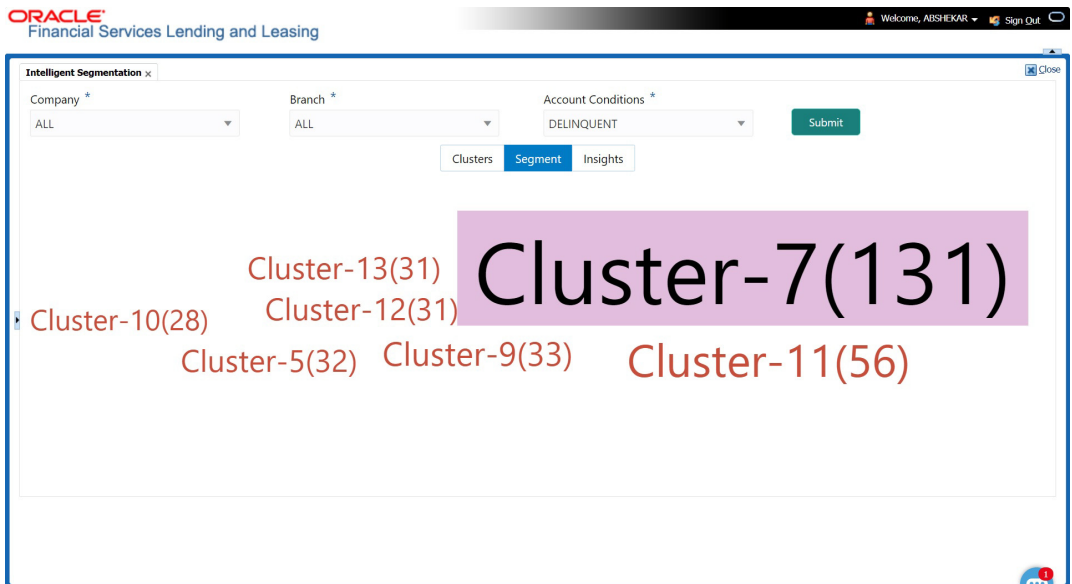
3.6.2 Machine Learning Data visualization

The data generated by the system is represented in the following view formats.

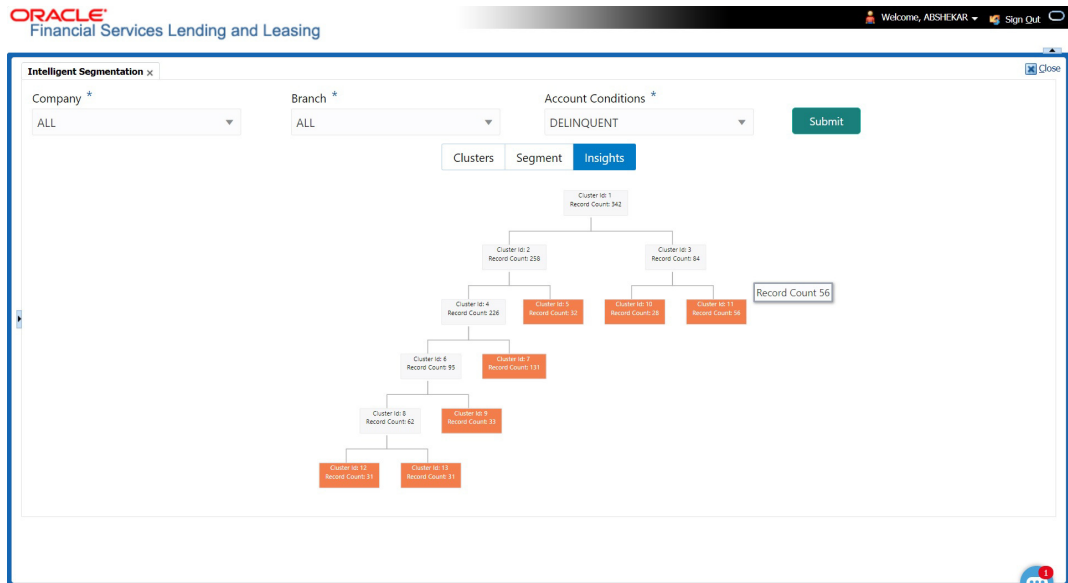
3.6.2.1 Cluster view



3.6.2.2 Segment View



3.6.2.3 Insights View



3.6.2.4 Selection Criteria Attributes

Clicking on any of the data segment system displays dynamic record details (Attribute Name and Attribute Value) along with the option to create queue.

Records of Cluster - 7 ×

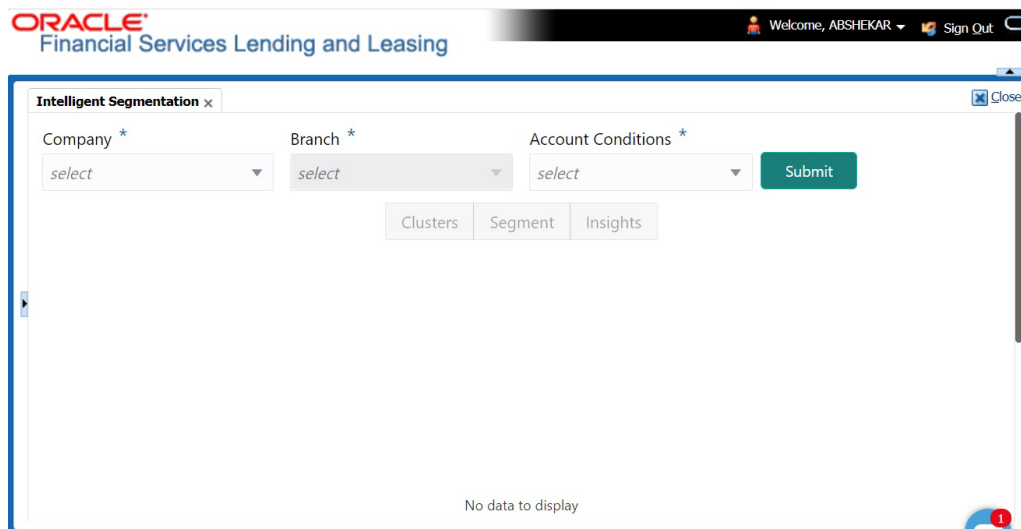
[Create](#)

ATTRIBUTE_NAME	ATTRIBUTE_VALUE
ACC_COLLATERAL_TYPE_CD	HOME
ACC_DLQ_CATEGORY	180
ACC_DLQ_DAYS	211.857 to 392.714
ACC_DUE_TOTAL_AMT	0 to 29612.1
ACC_OUTSTANDING_TOTAL_AMT	-10985 to 62604.5

3.6.3 View Machine Learning Generated Queue

To view ML based queue

1. Click **Setup > Setup > Administration > User > Intelligent Segmentation**. The following screen is displayed:



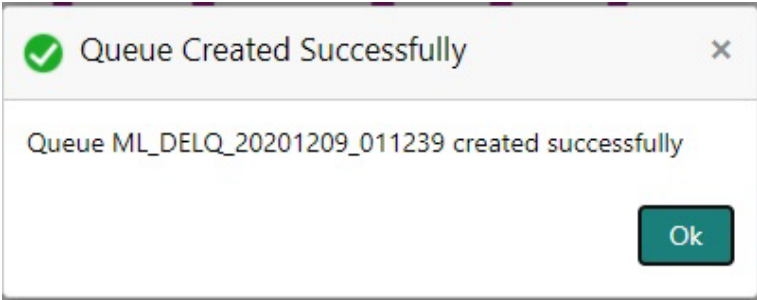
2. Select the following option:

Field:	Do this:
Company	Select the company from the drop-down list. The list is populated only with those Company Definitions to which you have been provisioned access.
Branch	Select the branch within the company from the drop-down list. This may be ALL or a specific branch. This must be ALL, if you have selected 'ALL' in the Company field.
Account Conditions	Select the required account conditions. There are various Account Conditions which are either posted 'automatically' by the system (like updating DELQ delinquency condition on account) or 'manually' through a transaction or call activity.

3. Click 'Submit'. System generates different data segments based on above selected combination using a background job process. By default, the data is represented in clusters and can be viewed on other view formats as detailed in '[Machine Learning Data visualization](#)' section.

3.6.4 Create ML Based Queue

On generating the data segments in the Intelligent Segmentation screen, you can further drill down to each cluster and view details with different selection criteria. However, the details of each record is based on the data maintained in the system.

Button	Action
Create	<p>Clicking on this option creates a Queue in OFSLL and the selection criteria of the Queue is populated with the Cluster Attributes. The queue sequence is based on Queue name/Description and is displayed as a confirmation message in the format 'Queue ML <Account Condition > <Date YYYYMMDD > <Time HHMMSS> created successfully'.</p> <div data-bbox="587 510 1347 808" style="border: 1px solid gray; padding: 5px; margin: 10px 0;">  <p style="text-align: center;">Queue ML_DELQ_20201209_011239 created successfully</p> <p style="text-align: right;">Ok</p> </div> <p>The newly created queue is available in Setup > Administration > User > Queues screen.</p>

Note that following with ML generated Queues:

- All Queues are created in 'Disabled' status with Selection Criteria 'Enabled'.
- Priority is defaulted to 0.
- Company/Branch is defaulted to selected combination.
- Hard Assigned/Group Follow-up/Near Real-Time/Dialler actions are marked as disabled.

3.7 Currencies

The Currencies link allows you to set up currency details.

Navigating to currencies

1. Click **Setup > Setup > Administration > User > Currencies**. The system displays the Currencies screen. In this screen, you can set up:
 - Currency Definition
 - Currency Pair Definition

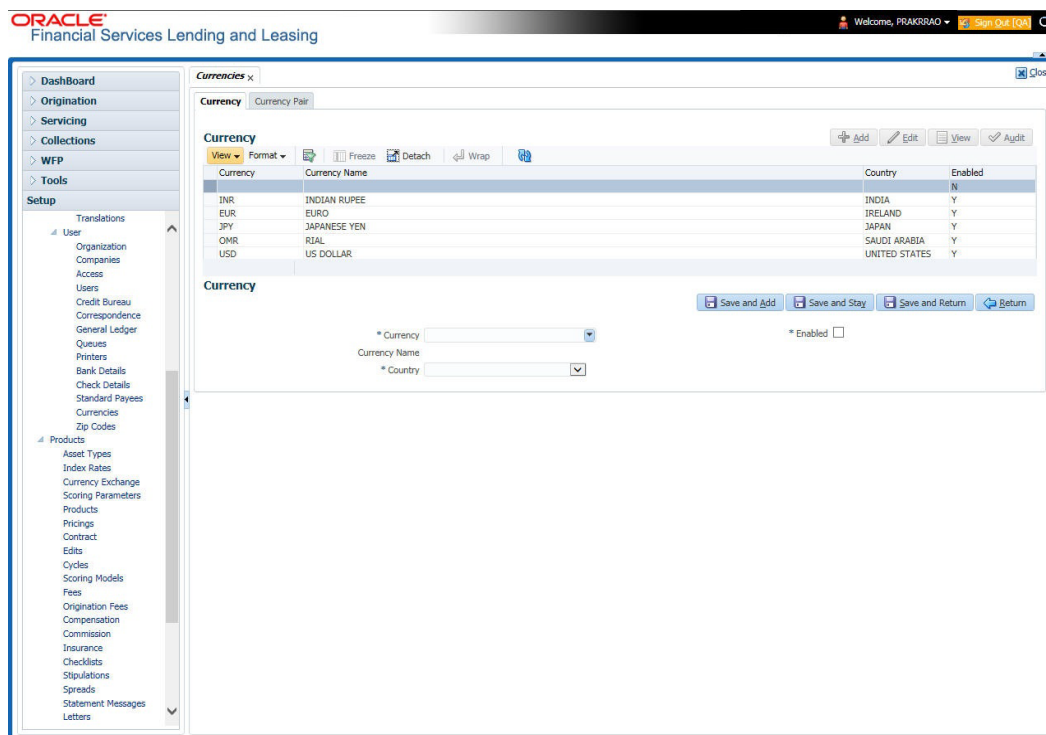
3.7.1 Currency Definition

The Currency Definition screen allows you to set up currency details.

To set up the currency definition information

1. Click **Setup > Setup > Administration > User > Currencies > Currency**. The system opens the Currency Definition tab by default.

- In the **Currency** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	Do this:
Currency	Select the currency you want to define, from the drop-down list.
Currency Name	The system displays the currency name based on the currency selected.
Country	Select the country for which the currency is defined, from the drop-down list.
Enabled	Check this box to enable the currency entry.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

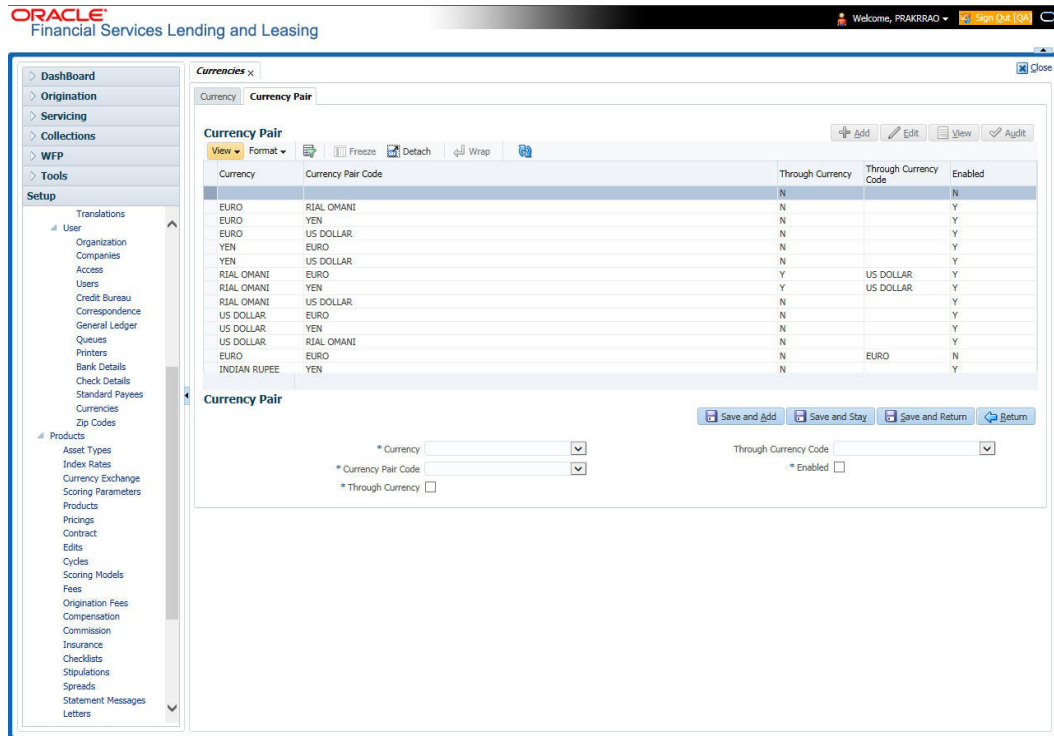
3.7.2 **Currency Pair link**

The Currency Pair Definition link allows you to set up currency pair details.

To set up the currency pair definition information:

- Click **Setup > Setup > Administration > User > Currencies > Currency Pair**. The system displays the Currency Pair Definition screen

- In the **Currency Pair Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	View this:
Currency Code	Select the currency code from the drop-down list.
Currency Pair Code	Select the currency pair code from the drop-down list.
Through Currency	Check this box to set the selected currency as a through currency.
Through Currency Code	Select the through currency code from the drop-down list.
Enabled	Check this box to enable the currency pair entry.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

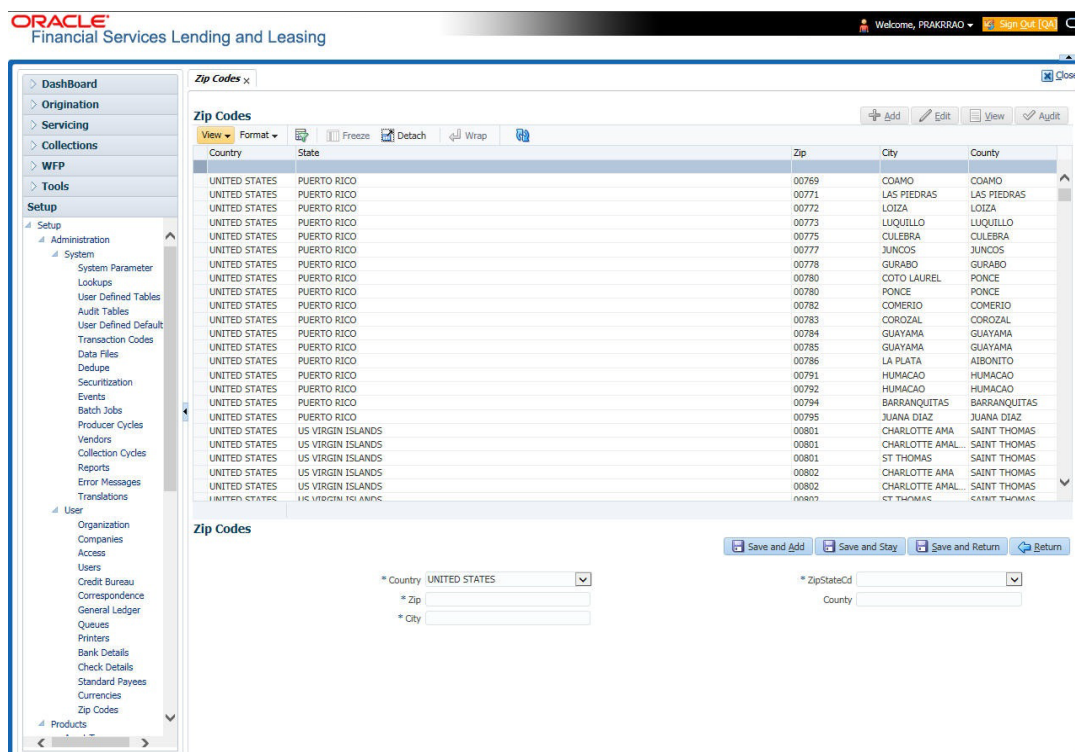
3.8 Zip Codes

The Zip Codes screen allows you to set up zip code details.

To set up the zip codes information

- Click **Setup > Setup > Administration > User > ZipCodes**. The system displays the Zip Codes screen

- In the **Zip Codes** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

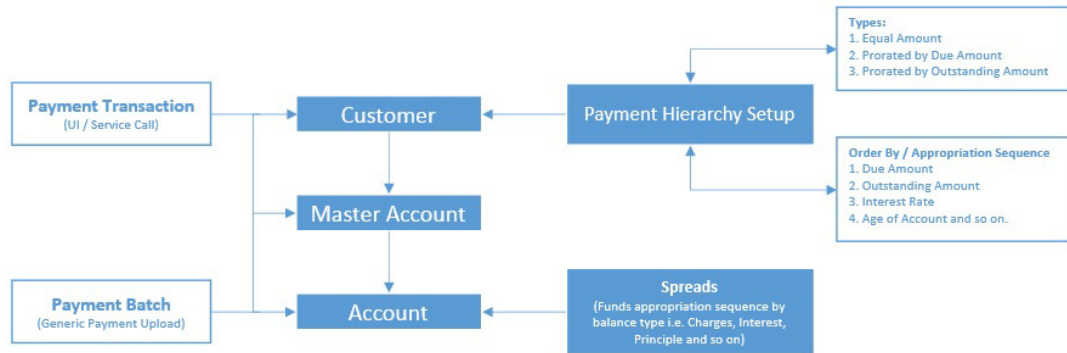
Field:	View this:
Country	Select the country from the drop-down list.
State	Select the state from the drop-down list.
Zip Code	Specify the zip code (required).
City	Specify the city.
County	Specify the county.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

3.9 **Payment Hierarchy**

The Payment Hierarchy screen facilitates to define hierarchy definition along with payment appropriation, excess payment handling, account selection criteria and sort order. These details are required by the system to allocate payments to the matching accounts of a customer, when customer based payments are being processed in 'Payment Entry' screen.

Below is an illustration on how payment hierarchy is used to post customer based payments.



Any Payment transaction generated in the system either from UI / Web Service Call or through a Payment Batch (Generic Payment Upload) can be directly posted to an Account or at Customer level.

- If payment is posted directly to an Account, the funds are allocated based on the defined spread with funds appropriation sequence of balance type i.e. Charges, Interest, Principle and so on.
- If payment is posted at Customer level having two accounts and if the payment amount is less than the due, then appropriation sequence is required. Else, one of the account can have a short fall with payment allocation.

In such case, the Payment Hierarchy determines the sequence of payment as to which account is to be appropriated first and which is to be appropriate next. This is based on 'order by clause' and 'appropriation sequence' defined.

Also the Balance Type determines the distribution type as one of the following:

- Equally to all the accounts
- Prorated by Due amount (i.e. highest due or lowest due first)
- Prorated by Outstanding Amount.

Once the account is narrowed down and payment amount is decided, then based on spread the payment is appropriated. This gives additional flexibility for defining payment modes at the master account level.

If Payment Hierarchy is not defined while funding an application or needs correction, the same can be done by posting 'MASTER ACCOUNT PAYMENT HIERARCHY MAINTENANCE' non-monetary transaction in Servicing > Maintenance > Transaction Batch Information section. At Customer level, Payment hierarchy can be updated by posting CUSTOMER MAINTENANCE transaction.

3.9.1 Payment Appropriation Methods

While creating Hierarchy definition in the Payment Hierarchy screen, you can use any of the following payment appropriation methods available in Hierarchy Type field. On selecting the specific Hierarchy definition at Application or Account level, the defined method is used to allocate payments to corresponding accounts.

However in all the methods, the payment criteria is also used for identifying the due accounts and careful consideration is required while defining the same.

Method	Description																																
EQUAL AMOUNT	<p>To allocate payment equally to all the accounts picked.</p> <p>This is traditional method of payment allocation in which the total payment amount received is divided and adjusted equally to all customer linked accounts.</p>																																
DUE AMOUNT RATIO	<p>To allocate payment based on the ratio of amount due on all accounts.</p> <p>In this method, the due accounts are identified based on the defined selection criteria and the payment appropriation is done on the ratio of amount due on each account using the below formula.</p> $\frac{\text{Amount Due} * \text{Payment Amount}}{\text{Total Due Amount}}$ <p>Following is an illustration on payment allocation:</p> <table border="1"> <thead> <tr> <th></th> <th>Amount Due</th> <th>Outstanding Amount</th> </tr> </thead> <tbody> <tr> <td>Master Account</td> <td>30</td> <td>200</td> </tr> <tr> <td>Associated Account 1</td> <td>50</td> <td>250</td> </tr> <tr> <td>Associated Account 2</td> <td>100</td> <td>400</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th>Due Amount Ratio</th> <th>Outstanding Amount Ratio</th> <th>Equal Amount</th> </tr> </thead> <tbody> <tr> <td>Payment Amount</td> <td>\$90</td> <td>\$90</td> <td>\$90</td> </tr> <tr> <td>Master Account</td> <td>\$15</td> <td>\$21.18</td> <td>\$30</td> </tr> <tr> <td>Associated Account 1</td> <td>\$25</td> <td>\$26.47</td> <td>\$30</td> </tr> <tr> <td>Associated Account 2</td> <td>\$50</td> <td>\$42.35</td> <td>\$30</td> </tr> </tbody> </table>		Amount Due	Outstanding Amount	Master Account	30	200	Associated Account 1	50	250	Associated Account 2	100	400		Due Amount Ratio	Outstanding Amount Ratio	Equal Amount	Payment Amount	\$90	\$90	\$90	Master Account	\$15	\$21.18	\$30	Associated Account 1	\$25	\$26.47	\$30	Associated Account 2	\$50	\$42.35	\$30
	Amount Due	Outstanding Amount																															
Master Account	30	200																															
Associated Account 1	50	250																															
Associated Account 2	100	400																															
	Due Amount Ratio	Outstanding Amount Ratio	Equal Amount																														
Payment Amount	\$90	\$90	\$90																														
Master Account	\$15	\$21.18	\$30																														
Associated Account 1	\$25	\$26.47	\$30																														
Associated Account 2	\$50	\$42.35	\$30																														
OUTSTANDING BALANCE RATIO	<p>To allocate payment based on the ratio of total outstanding due on all accounts.</p> <p>Similar to above, even in this method the due accounts are identified based on the defined selection criteria and the payment appropriation is done on the ratio of outstanding amount due on each account using the below formula.</p> $\frac{\text{Outstanding Balance} * \text{Payment Amount}}{\text{Total Outstanding Balance}}$ <p>This method can be selected if the received payment amount is equal to total outstanding due on all linked accounts indicated in Customer Service > Transaction History > Balances screen.</p>																																
ACCOUNT COLUMN BASED	<p>To allocate payment based on hierarchy order.</p> <p>In this method, the due accounts are identified based on the defined selection criteria and the payment appropriation is done as per the sequence of due accounts defined either in ascending/descending order.</p>																																

During payment appropriation, system allocates the payment amount only up to the total of resulted accounts and remaining amount (if any) are processed based on the excess payment method value.

While onboarding accounts through web services, system considers the value of system parameter PMT_HIERARCHY_CODE to default the payment allocation in Customer/ Business Details screen after account activation.

Also while onboarding if the Payment Hierarchy is not passed as part of the request (Applicant/Application), then system parameter value is considered.

3.9.2 Excess Payment Appropriation

During or after payment appropriation, there can be a residual amount pending for allocation. For example, \$0.01 remains when \$100 is equally paid to 3 accounts. In such case the residual amount is transferred to last account in the hierarchy sequence. However, note that system performs this residual payment allocation only once.

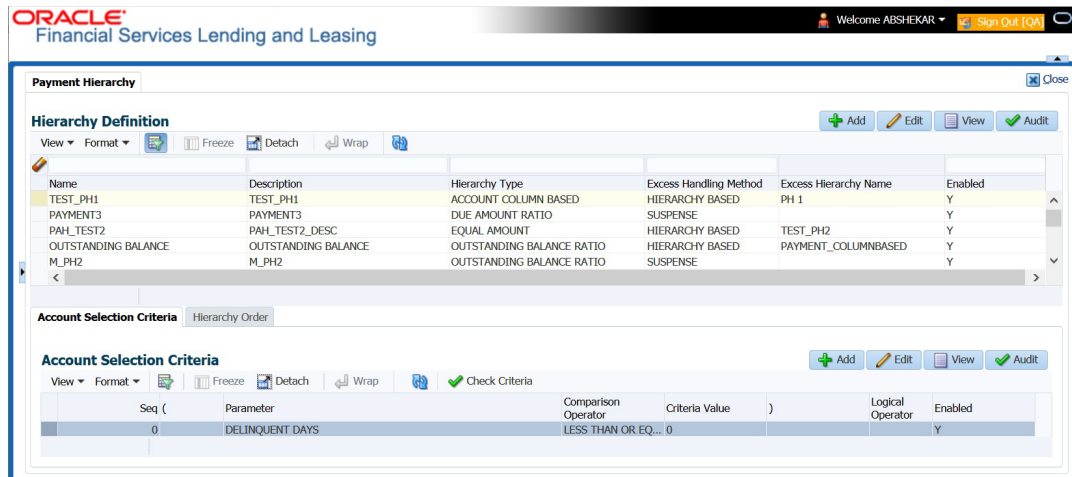
In other case where there is an excess payment received which is more than account dues, the same can be processed for payment allocation using any of the following 'Excess Handling Method' while defining the Hierarchy Definition.

Method	Description
SUSPENSE	To post the excess amount as suspense on Customer or Master account.
HIERARCHY BASED	To allocate the excess payment based on any of the Hierarchy Definitions maintained in the system.

Based on the selection, system re-allocates the excess amount to corresponding accounts.

To set up payment hierarchy

1. Click **Setup > Setup > Administration > User > Payment Hierarchy**.
2. In the Hierarchy Definition section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.



A brief description of the fields is given below:

Field:	View this:
Name	Specify an unique name for the hierarchy definition.
Description	Specify the description for the hierarchy definition.

Field:	View this:
Hierarchy Type	<p>Select one of the following type of payment allocation method from the drop-down list. The list is populated based on the PMT_HIERARCHY_TYPE_CD lookup.</p> <ul style="list-style-type: none"> - EQUAL AMOUNT - DUE AMOUNT RATIO - OUTSTANDING BALANCE RATIO - ACCOUNT COLUMN BASED <p>For more information on the above methods, refer to 'Payment Appropriation Methods' section.</p> <p>You can define multiple Hierarchy definitions with same Hierarchy type.</p>
Excess Handling Method	<p>Select one of the following type of excess payment allocation method to be used with payment hierarchy definition from the drop-down list. The list is populated based on PMT_HIERARCHY_EXCESS_METHOD_CD lookup.</p> <ul style="list-style-type: none"> - SUSPENSE - HIERARCHY BASED <p>For more information on the above methods, refer to 'Excess Payment Appropriation' section.</p>
Excess Hierarchy Name	<p>This field is enabled and is mandatory if the Excess Handling Method is selected as 'Hierarchy Based'.</p> <p>Select the Hierarchy Definition from the drop-down list. This list is populated with all the pre-defined and enabled hierarchy definitions maintained in the system.</p> <p>For more information on the above methods, refer to 'Excess Payment Appropriation' section.</p>
Enabled	By default this check box is enabled for new hierarchy definition.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Account Selection Criteria

This sub tab facilitates to define the account selection criteria that is used to identify due account for payment allocation. Atleast one valid account selection criteria is required for all the Hierarchy Types.

1. In the Account Selection Criteria section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields is given below:

Field:	Do this:
Seq	Specify sequence numbers.
(Specify left bracket.
Parameter	Select the parameter from the drop-down list. The list is populated based on the values maintained in CUSTOMER PAYMENT HIERARCHY ORDER PARAMETERS user defined table.

Field:	Do this:
Comparison Operator	Select comparison operator from the drop-down list.
Criteria Value	Specify criteria value.
)	Specify right bracket.
Logical Expression	Select logical operator from the drop-down list.
Enabled	Check this box to enable the selection criteria.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
3. You can click 'Check Criteria' for system to validate the query and display the results.

Hierarchy Order

This sub tab facilitates you to define hierarchy order that is used to sort the due account for payment allocation. This sub tab is enabled only for 'ACCOUNT COLUMN BASED' Hierarchy type.

1. In the Hierarchy Order section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields is given below:

Field:	Do this:
Seq	Specify sequence number.
Sort Field	Select sort field from the drop-down list. The list is populated based on values maintained in CUSTOMER PAYMENT HIERARCHY ORDER PARAMETERS user defined table.
Order	Select sort order as either Ascending or Descending from the drop-down list.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4. Product

Under the Setup master tab's drop-down link bar, the product Setup link opens screens that enable you to configure the basic business guidelines necessary to support one or more products in the system. This includes defining the types of collateral your company supports, creating lending instruments, and determining what is included in credit bureau reporting. Setting up the Products screens requires a thorough understanding of the current rules of your business and must be completed before you can use Oracle Financial Services Lending and Leasing. The Products drop-down link opens screens to record data of all the products supported by the system and contains the following links:

Navigating to Products

In the **Setup > Setup > Products** link enables you to setup the options related to following closed ended products your company offers:

- Asset Types
- Scoring Parameters
- Contract
- Asset Billing Rate
- Letters

This chapter explains how to setup the screens associated with each one.

4.1 Asset Types

In Assets types you can setup the asset types that can serve as an application or account's collateral.

The information on the Assets screen is used by the system to automatically display the appropriate collateral screen (Vehicle, Home, or Other) on the Application Entry screen.

The system recognizes the following four types of collateral:

Collateral Type	Description
Home collateral	Homes, manufactured housing, or any real estate collateral.
Vehicle collateral	All vehicle types, such as cars, trucks, and motorcycles.
Household goods and other collateral	All other collateral types not defined as home, vehicle, or unsecured; for example, household items such as water heaters, televisions, and vacuums.
Unsecured collateral	All unsecured lending instruments. (This collateral type makes the collateral tabs on the system forms unavailable.)

The Asset Sub Type section allows you to further categorize an asset; for example, the asset type VEHICLE might be categorized as CAR, TRUCK, or VAN.

The Attributes/Addons and Makes and Models sub screens continue to further detail the asset both in description and value. For example, a VEHICLE asset might include addons such as LEATHER SEATS and CRUISE CONTROL.

Note

Neither asset types nor asset sub types can be deleted. As they may have been used in the past, the display and processing of that data is still dependent on the existing setup.

To set up the Asset Types

You can either define new Asset Type or specify a new name in the **New Asset Type** field and click **Create Copy** to create a copy of selected asset with details.

1. Click **Setup > Setup > Products > Asset Types**.
2. In the **Asset Type** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

The screenshot displays the Oracle Financial Services Lending and Leasing interface for setting up Asset Types. The main table lists existing asset types:

Asset Type	Description	Collateral Type	Company	Branch	Enabled
BUS	BUS	VEHICLE COLLATERAL	ALL	ALL	Y
BUS_TEST	BUS_TEST	VEHICLE COLLATERAL	ALL	ALL	Y
CAR	CAR	VEHICLE COLLATERAL	ALL	ALL	Y
CAR_CP	CAR_CP	VEHICLE COLLATERAL	ALL	ALL	N
CAR_CP2	CAR_CP2	VEHICLE COLLATERAL	ALL	ALL	N

Below the table, the 'Asset Sub Type' section shows a form for 'MINI BUS' with 'Asset Property Type' set to 'INDERMINATE' and 'Enabled' checked. The 'Asset Attributes' section is currently empty.

A brief description of the fields is given below:

Field:	Do this:
Asset Type	Specify the asset type.
Description	Specify the description for the asset. (This is the asset type which will appear throughout the system).
Collateral Type	Select the collateral type (the general category that the asset type falls within) from the drop-down list. Note: There is no need to define an asset for UNSECURED COLLATERAL, as by definition there is no asset on such account.
Company	Select the portfolio company to which the asset type belongs, from the drop-down list. These are the companies within your organization that can make s using this asset type. This may be ALL or a specific company.

Field:	Do this:
Branch	Select the portfolio branch to which the asset type belongs, from the drop-down list. This is the branch within the selected company that can make s using this asset type. This may be ALL or a specific branch. This must be ALL if in the Company field you selected ALL. IMPORTANT: By selecting which asset type to use, the system searches for a best match using the following attributes: 1 Company 2 Branch Hence, the system recommends creating one version of each asset type where ALL is the value in these fields.
Enabled	Check this box to enable the asset type and indicate that the asset type is currently in use.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
4. In the **Asset Sub Type** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Asset Sub Type	Specify the asset sub type.
Description	Specify the description for the asset subtype
Asset Property Type	Select the type of property from the drop-down list.
Enabled	Check this box to enable the asset sub type.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
6. Click **Setup > Setup > Products > Assets > Attributes/Addons**.
7. In the **Attributes/Addons** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Attribute/Addon	Displays the asset attribute or addon name for the selected asset).
Description	Select the description for the asset attribute/addon from the drop-down list.
Default	Specify the default text to be copied or displayed when the asset attributes and addons fields are completed on an application for this asset.
Value	Specify the default monetary value to be copied or displayed when the asset attributes and addons fields are completed on an application for this asset.

Field:	Do this:
Enabled	Check this box to enable the asset attribute/Addon and indicate that it is available for this type of asset.

8. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
9. Click the **Setup > Setup > Products > Assets > Makes and Models**.
10. In the **Makes and Models** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Make	Specify asset make.
Model	Specify asset model.
Style	Specify asset style type.
Model Year	Specify asset model year.
Enabled	Check this box to enable the asset make and model and indicate that it is included on fields for this asset type.

11. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.1.1 **Usage/Rental Details**

The Usage / Rental Details sub tab allows you to define Usage/Rental definition details to categorize the incoming asset usage/rental data based on different parameters. The details maintained here are populated in Origination screen for billing calculation and can also be modified based on requirement.

For more information on how OFSLL handles Usage based leasing, refer to Appendix - [Usage Based Leasing](#) chapter and for Rental based leasing, refer to 'Rental Agreement' section in Lease Origination User Guide.

1. In the 'Usage/Rental Details' section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

2. A brief description of the fields is given below:

Field:	Do this:
Agreement Type	<p>Select the agreement type as one of the following from the drop-down list. The selected Agreement Type defines the criteria for pricing selection during billing calculation.</p> <ul style="list-style-type: none"> - USAGE - RENTAL - USAGE RENTAL <p>Note: Based on the above selected option, the other fields are either enabled or disabled for selection as indicated below:</p> <p>For Usage Agreement Type, the following fields are editable:</p> <ul style="list-style-type: none"> • Calc Method • Usage Cycle • Min Usage • Max Usage • Discount % • Usage Rollover / Advance • Usage Term Calc Method <p>For Rental Agreement Type, the following fields are editable:</p> <ul style="list-style-type: none"> • Discount % • Discount Amount • Security Deposit <p>For Usage Rental Agreement Type, the following fields are editable:</p> <ul style="list-style-type: none"> • Usage Cycle • Max Usage • Discount % • Discount Amount • Security Deposit
Calc Method	<p>Select the calculation method as one of the following from the drop-down list.</p> <ul style="list-style-type: none"> - TIERED (billing is based on the defined Usage/Rental Charge Matrix) - NON-TIERED (system automatically chooses the applicable slab based on the final usage value)
Usage Cycle	<p>Select the frequency of billing the asset usage from the drop-down list. This field is disabled for RENTAL agreement type.</p>
Min Usage	<p>Specify the minimum usage value of the allowed range. This field is disabled for RENTAL agreement type.</p>
Max Usage	<p>Specify the maximum usage value of the allowed range. This field is disabled for RENTAL agreement type.</p>
Discount %	<p>Specify the percentage of discount exempted from final billing.</p>

Field:	Do this:
Usage Rollover / Advance	<p>Select the type of asset usage calculation as one of the following:</p> <ul style="list-style-type: none"> - ROLLOVER (remaining usage balance is carried forward to next cycle) - NO-ROLLOVER (remaining usage balance is not carried forward) - ROLLOVER AND ADVANCE (remaining usage balance is carried forward to next cycle + total usage limit for current cycle can be utilized upfront) - ADVANCE (total usage limit for current cycle can be utilized upfront) <p>Note: This field is disabled for RENTAL and USAGE RENTAL agreement type and 'NO-ROLLOVER' option is applicable by default.</p>
Reset Frequency	<p>Specify the reset frequency of the billing cycle. This field is disabled for RENTAL and USAGE RENTAL agreement types and is available for ROLLOVER, ADVANCE and ROLLOVER AND ADVANCE methods of asset usage billing.</p>
Usage Term Calc Method	<p>Select the type of asset usage term for billing calculation as one of the following from the drop-down list:</p> <ul style="list-style-type: none"> - ACTUAL - here the current details updated/received is treated as the final record for usage term calculation. - AVERAGE - here system takes the average of usage details received in previous cycles for usage term calculation. <p>The calculation method selected here is populated to 'Elastic Term Calc Method' field in Origination/Servicing Collateral screen. This field is disabled for RENTAL and USAGE RENTAL agreement type.</p>
Discount Amount	<p>If you are defining Usage/Rental Details for RENTAL or USAGE RENTAL type of agreements, specify the discount amount allowed upfront from the final billing. This field is disabled for USAGE agreement type.</p>
Security Deposit	<p>If you are defining Usage/Rental Details for RENTAL or USAGE RENTAL type of agreements, specify the security deposit amount paid upfront for the term. This field is disabled for USAGE agreement type.</p>
Excess Rent Collection Method	<p>If you have selected the Agreement Type as USAGE RENTAL, select one of the following type of Charge Matrix to be used to derive the Excess Rent Collection Method from the drop-down list.</p> <ul style="list-style-type: none"> - USING USAGE MATRIX - USING RENTAL MATRIX

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.1.2 **Usage Charge Matrix**

The Usage Charge Matrix sub tab allows you to define and maintain different chargeable slabs based on the combination of Billing Cycle and Charge Type. The details maintained here are used for billing calculation based on a particular asset usage.

For more information on how OFSLL handles Usage based leasing, refer to Appendix - [Usage Based Leasing](#) chapter and for Rental based leasing, refer to 'Rental Agreement' section in Lease Origination User Guide.

1. In the 'Usage Charge Matrix' section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Billing Cycle	Select the frequency of the billing cycle for the asset from the drop-down list.
Units From	Specify the minimum number of units from which the current usage charge matrix is applicable.
Charge Per Unit	Specify the amount to be charged for every unit.
Charge Type	Select the Charge Type as one of the following from the drop-down list. The list is displayed based on CHARGE_TYPE_CD lookup. - BASE (Units considered as base and chargeable at base rate) - EXCESS CYCLE (Units beyond base units and chargeable considering excess cycle) - EXCESS LIFE (Units exceeding the total contracted units and chargeable considering excess life cycle) Excess life is not applicable for Rental agreement type.
Enabled	Check this box to enable the charge matrix for usage calculation.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.1.3 Rental Charge Matrix

The Rental Charge Matrix sub tab allows you to define and maintain different chargeable slabs based on the combination of Billing Cycle, Rental Duration, Charge Per Cycle and Charge Type. The details maintained here are used for billing calculation based on a particular asset usage.

For more information on how OFSLL handles Usage based leasing, refer to Appendix - [Usage Based Leasing](#) chapter and for Rental based leasing, refer to 'Rental Agreement' section in Lease Origination User Guide.

1. In the 'Rental Charge Matrix' section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Billing Cycle	Select the frequency of the billing cycle for the asset from the drop-down list.
Rental Duration From	Specify the minimum duration for which the rental charge is applicable.
Charge Per Cycle	Specify the amount to be charged for every rental cycle.

Field:	Do this:
Charge Type	<p>Select the Charge Type as one of the following from the drop-down list. The list is displayed based on CHARGE_TYPE_CD lookup.</p> <ul style="list-style-type: none"> - BASE (Chargeable units exceeding from base units allowed) - EXCESS CYCLE (Chargeable units exceeding from billing cycle units) - EXCESS LIFE (Chargeable units exceeding the total contract term) <p>Excess life is not applicable for Rental / Usage, Rental agreement types.</p>
Enabled	Check this box to enable the charge matrix for usage calculation.

2. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.2 Scoring Parameters

With the Scoring Parameters, you can define the scoring parameters of a company's credit scorecard and behavioral scoring.

To set up the Scoring Parameters

You can either define new **Scoring Parameters** or specify a new name in the **New Parameter** field and click **Create Copy** to create a copy of selected parameter with details.

1. Click **Setup > Setup > Products > Scoring Parameters**.
2. In the **Parameters** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

The screenshot displays the Oracle Financial Services Lending and Leasing application interface. The top navigation bar includes the Oracle logo and the text 'Financial Services Lending and Leasing'. The main content area is titled 'Scoring Parameters' and contains a table of parameters and a configuration form.

Parameter	Description	Data Type	Scoring Type	Enabled
BEHAVIORAL_SC	BEHAVIORAL SCORE	NUMBER	BEHAVIORAL SCORING	Y
FICO_SCORE	FICO SCORE	NUMBER	CREDIT SCORING	Y
JC	JC	NUMBER	CREDIT SCORING	N
TEST	TEST	CHARACTER	CREDIT SCORING	N

The configuration form for 'BEHAVIORAL_SCORE' shows the following details:

- Parameter: BEHAVIORAL_SCORE
- Description: BEHAVIORAL SCORE
- Data Type: NUMBER
- Scoring Type: BEHAVIORAL SCORING
- Enabled:

The 'Formula Definition' section shows a table with the following entries:

Seq	Variable	Constant Value	Mathematical Operator	Enabled
1	ACC_DQO_DAYS			Y

A brief description of the fields is given below:

Field:	Do this:
Parameter	Specify the name of the scoring parameter. The system recommends entering a name that in some way reflects how the parameter is used; for example, use FICO_SCORE instead of PARAMETER_1.
Description	Specify a description of the parameter. Again, Specify a name that reflects how the parameter is used; for example, use FICO SCORE and WEIGHTED FICO SCORE instead of FICO SCORE NUMBER 1 and FICO SCORE NUMBER 2.
Data Type	Select the data type of the scoring parameter being defined from the drop-down list. This determines how the system handles the values. (While DATE and CHARACTER are available data types, generally only NUMBER should be used when defining a scoring parameter.
Scoring Type	Select the scoring type from the drop-down list: CREDIT SCORING or BEHAVIORAL SCORING.
Enabled	Check this box to enable and indicate that the scoring parameter is available.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

The **Formula Definition** section allows you to define a mathematical expression of the scoring parameter you want to define. The expression may consist of one or more sequenced entries. All arithmetic rules apply to the formula definition. If errors exist in the formula definition, the system displays an error message in this section when you choose Show Expression.

4. In the **Formula Definition** section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Seq	Specify the sequence number (the order in which the formula definition variable will be assembled and evaluated).
(Specify a left bracket, if you need to group part of your formula definition.
Variable	Select the variable from a validated field based on the user-defined table SCR_CRED_SUMMARY: SCORING PARAMETERS, from the drop-down list.
Constant Value	Specify the constant value (optional).
Mathematical Operator	Select the math operator to be used on the adjacent formula definition rows, from the drop-down list.
)	Specify a right bracket, if you are grouping part of your formula definition.
Enabled	Check this box to enable the formula and indicate that it is included when building a definition for the scoring parameter.

5. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.
6. In the **Parameters** section, click **Show Expression**.

The mathematical expression appears in the Formula Expression section (in sequential order) in the Expression field.

4.3 Contract

The Contract screen allows you to define the instruments used within your system. A instrument is a contract used by a financial organization with specific rules tied to it. When processing an application, an instrument associated with the application informs the system of the type of contract being used for the approved loan. This ensures that all parameters tied to the instrument are setup for the account as it is booked - without requiring you to do it.

Instruments can be setup at different levels:

- Company
- Branch
- Product
- Application state
- Currency

The following groups of parameters are setup at the instrument level (Each has its own section on the Contract screen):

- Selection Criteria
- Accrual
- Capitalization
- Scheduled Dues
- Billing
- Delinquency
- Extension
- Rate Cap And Adjustments

Items defined in the contract are “locked in” when you choose Select Instrument on the Funding form’s Contract link.

The Contract screen’s Instrument and Description fields allow you to enter the financial instrument’s name and description.

System supports ‘Biennial’ (once every 2 years) and Triennial (once every 3 years) type of billing cycles. Based on the following lookups, the billing cycle ‘frequency’ can be defined:

- BILL_CYCLE_CD

To set up the Contract

You can either define new Contract Definition details or specify a new name in the **New Instrument** field and click **Create Copy** to create a copy of selected contract with details.

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Administration > Products > Contract >**
2. On the Contract Definition section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Extension of Terms

The system facilitates extension of terms, provided the following conditions are satisfied:

- Specified number or more payments made in the account
- Gap between the previous and current extension provided in the account must be a specific number of months that could be specified

If the above conditions are not satisfied, then the system displays an appropriate error message.

A new transaction Force Extension will be available. This transaction will be posted when you want the system to bypass the extension validations defined at the contract level.

When a backdated transaction with TXN Date exists before the transaction date of extension, all the transactions are reversed and posted again. If extension transaction is posted again, then the validation rules are not validated again.

Staged Funding

Staged funding for closed-end loans allows you to disburse funds to customers through multiple advances or draws up to the approved amount within a specified “draw period.”

To create a multiple disbursement contract for a transaction

1. In the Contract Definition section, click **Add** and complete the fields following the instructions above, making sure to complete the following steps:
 - In the Advance Details section, select the Multiple Disbursement Permitted check box. When you select a contract instrument that permits staged funding (multiple disbursements) on the Funding screen, the system copies the information for that instrument from the Setup Module screen’s Contract screen to the Funding screen’s Contract screen.

Note

You cannot clear the Multi Disbursement Allowed box in the Advance section on the Contract screen.

-
- Complete the fields in the Advance Details section to define the limits for initial and subsequent advances for staged funding.

Note

This information appears in the Advance section of the Funding screen’s Contract link.

2. If you choose, set the following APPLICATION CONTRACT EDITS as an ERROR or WARNING on the Setup Module screen’s Edits screen.

Note

For more information, see the Edits link (Edits screen) section in this chapter.

1. REQUIRED: ADV DRAW END DATE

2. XVL: ADV DRAW END DT MUST BE AFTER CONTRACT DT
3. XVL: ADV DRAW END DT MUST BE LESS THAN FIRST PMT DT - PREBILL DAYS

These edits appear on the Funding screen's Verification screen.

Repayment scheduling for staged funding

When funding a loan, the system computes repayment schedules from the contract date, irrespective of whether funds have been disbursed or not. The system uses the approved amount (amount financed) for computing repayment schedules on the contract date.

As the might have been disbursed through multiple draws, or the draws have been less than the approved amount, or the amount may have been repaid in some amount before the draw end date, you may need to change the payment amount. In such cases, you can manually change the payment in the system by posting the monetary transaction CHANGE PAYMENT AMOUNT on the Customer Service screen's Maintenance link.

Disbursements for staged funding

The approved amount for staged funding can be disbursed with the Funding screen or at a later time using the Advances screen. If the first disbursement is requested during funding, you may enter it on the Itemization sub screen of the Funding screen's Contract screen.

If the entire approved amount is not disbursed during initial funding, it can be disbursed using the Advances screen's Advance Entry screen.

If the initial amount on the Advance Entry screen is not within the minimum or maximum limits (as entered in the Advance Details section on the Setup Module screen's Contract screen), the system displays any of the following error or warning messages in the Advances section's Error Reason field:

- ADVANCE AMOUNT IS LESS THAN THE INITIAL ADVANCE AMOUNT MINIMUM
- or-
- ADVANCE AMOUNT IS MORE THAN THE INITIAL ADVANCE AMOUNT MAXIMUM

The Advance Entry screen also allows you to enter subsequent funding / disbursements. If subsequent advances are not within the predetermined minimum or maximum amounts, the system displays any of the following warning or error messages in the Advances section's Error Reason field:

- ADVANCE AMOUNT IS LESS THAN THE ALLOWED SUBSEQUENT ADVANCE AMOUNT
- or-
- ADVANCE AMOUNT IS MORE THAN THE ALLOWED SUBSEQUENT ADVANCE AMOUNT

Additional messages in the Error Field regarding Staged Funding

If you attempt to post an advance after the draw end date, then the system displays the message in the Advances section's Error Reason field as, "ADVANCE DT IS AFTER DRAW PERIOD END DATE".

If you attempt to post an advance above the approved amounts, including tolerance, the system displays the message in the Advances section's Error Reason field as "ADVANCE AMOUNT IS MORE THAN THE TOTAL APPROVED AMOUNT INCLUDING TOLERANCE".

Since this is not a revolving loan, if any repayment is made against the approved amount principal balance, the system will not adjust the disbursed amount allowing for subsequent additional staged funding or advances.

Note

There is no change to the payoff quote functionality in the system. The system uses the actual amount of the advance(s) and any interest accrued since the date of the last payment or credit in the PAYOFF QUOTE VALID UPTO DATE value when the payoff quote is requested before the draw end date.

4.3.1 **Balances**

The Balances sub screen lists the balances that will be established when an account is booked and funded.

CAUTION: Please contact your Implementation Manager for changes to this section.

To set up the Balances

1. Click **Setup > Setup > Administration > User > Products > Contract > > Balances**.
2. On the Balances sub screen, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Balance Type	Displays the balance type.
Chargeoff Method	Select the charge off method to determine how the outstanding amount of this balance type will be handled from the drop-down list, if the account becomes uncollectable and the product is charged off.
Writeoff Method	Select the write off method to determine how the outstanding amount of this balance type will be handled from the drop-down list, if the account is within the write off tolerance of being PAID.
Reschedule Method	Select the reschedule method to determine how the outstanding amount of this balance type will be handled from the drop-down list, if the account is rescheduled.
Sort	Specify the sort order of how account balances will appear on the Customer Service form's Balance screen.
Billed	Check this box to indicate that outstanding amounts for this balance type are considered a part of the billed amount. This also determines whether payments applied to this balance type are considered when satisfying outstanding amounts due.
Accrued	Check this box to indicate that outstanding amounts for this balance type will be included when interest is accrued against the account.

Field:	Do this:
Non Performing Rollover	Check this box to indicate that “non-performing” is used as an intermediary status on your general ledger prior to charge off and want to create balances for non-performing accounts for this balance type. Note: (The Non-Performing Rollover box applies only to Balance Types of ADVANCE/PRINCIPAL and INTEREST. For all other Balance Types, this box would be cleared).
Non Performing Balance Type	Select the balance type you want to rollover from drop-down list, if you select the Non-Performing Rollover box (Advance/ Principal).
Enabled	Check this box to indicate that this balance type will be created when the account is booked and funded
<p>This section is applicable if the capitalization frequency is selected as Balance Frequency for the contract and allows you to define capitalization parameters for a specific type of account balance such as ‘Interest’.</p> <p>Note: The value of parameters defined in this section supersedes the values defined in header section.</p>	
Capitalize	Check this box to enable capitalization parameters for the selected balance type. By default, this option is un-checked. Note: The option is disabled for ‘Advance / Principal’ type of Loan or Line contracts and for Lease Receivables.
Frequency	Select the capitalization frequency from the drop-down list. Frequency can be selected using any of the following options: <ul style="list-style-type: none"> - Based on specific intervals such as Monthly, Quarterly, Annual and so on. - Based on contract Billing Frequency, Billing Date, Due date. - Specifically on every Month End.
Grace Days	Specify the grace days allowed in the frequency (minimum 0, maximum 31) before capitalizing the balances to account. This is also the deciding factor for executing the capitalization batch job which is based on Capitalization Frequency + Grace Days. However, note that Grace Days are not accounted for Month End type of capitalization frequency and is ignored even if specified.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

The system loads the currently defined balances for accounts.

If your organization maintains additional balances, contact your Implementation Manager for information regarding those balances.

4.3.2 Amortized Balances

With the Amortize Balances sub screen, you can select one or more balances to be amortized over the life of the loan. You can also define the amortization method.

To set up the Amortization Balances

1. Click **Setup > Setup > Administration > User > Products > Contract > > Amortized Balances**.
2. In the Amortization Balances section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Amortize Balance Type	Select the amortize transaction type from the drop-down list.
Amortization Method	Select the amortization method used to calculate the net amortization amount from the drop-down list.
Cost/Fee method	Select the amortization cost/fee method.
Sort	Specify the sort sequence to define the order of the amortize balances.
Enabled	Check this box to enable the amortize balance to be created when the account is booked and funded.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.3.3 Itemizations

On the Itemizations sub screen, you can define the itemized components for each type of contract, indicate if it is required, and determine whether it has a positive or negative bearing on the contract itemization math. You can establish the following groups of itemization transactions:

Advance	Total amount of the product that is not a part of financed fees; in other words, the total amount the customer requested to be advanced.
Financed Fees	Fees rolled into the principal balance of the product. Financed fees are also considered to be a part of the finance charge.
Pre-Paid Fees	Fees that are paid by the consumer prior to the funding of the loan. These fees are not rolled into the balance of the product but are considered as part of the finance charge and are included in the calculation of the APR.
Producer	Fees that are paid to or by the producer of the loan; for example, a fee that is being charged to the producer. These transactions will affect proceeds.
Escrow	Allows you to connect the actual escrow itemization with the escrow type and the funding transaction.

To set up the Itemizations

1. Click **Setup > Setup > Administration > User > Products > Contract > > Itemizations**.
2. On the Itemization sub screen select the option button to indicate the type of itemization you are working with: Advance, Financed Fees, Pre-Paid Fees, Producer, or Escrow.
3. On the Itemization sub screen, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Itemization	Select the itemization from the drop-down list.
Disbursement Type	Select the disbursement type from the drop-down list.
Transaction	Select the funding transaction type from the drop-down list.
Itemization Type	Select the itemization type from the drop-down list. Notes: 1. On selecting the "Prefunding Txns" as itemization type, it indicates that this particular itemization expects a payment from the customer prior to funding. 2. The itemization type "Prefunding Txns" is available only for loans.
Sort	Specify the sort order to define the order of the itemization transactions.
Sign	If the itemized transaction increases the group balance, click +ve. -or- If the itemized transaction decreases the group balance, click -ve.
Enabled	Check this box to enable the itemization and indicate that this itemization transaction will be created when the account is booked and funded.
Amortize Balance	Select the amortize balance affected by this itemization transaction from the drop-down list. Note: Advance itemizations do not affect amortize balances.
Refund Calculation Method	Select the refund calculation method from the drop-down list
Taxable	Check this box, if the itemization type is taxable. However, note that the taxable option defined in Setup > Administration > System > Sale Tax screen will supersede with this preference.
Seller Pmt	Check this box to enable seller payment
Escrow	Select the escrow from the drop-down list.
Itemization Formula	Select the itemization formula description from the drop-down list.
Refund Calculation Method	Check this box to enable Refund calculation Method.
Escrow Required	If this is an escrow account, check this box to indicate that an escrow is required during the application process (though at that time the user can choose Opt Out to decline.)
Discount. Rate	Specify the discount rate for the itemization.

4. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.3.4 **Fees**

Any fees that are defined in the contract are set up on the Fees sub screen. The system currently supports the following contract fees:

- Late charges
- Non sufficient funds
- Extensions
- Prepayment penalties
- Delay Fee
- ACH Fee

The Fees sub screen allows you to define those fees whose value and method of calculation are set at the time of the loan. As these amounts cannot be changed after the product is booked and funded, you should only set up fees here that will not change over the life of the loan. Individual contract fee types may be defined multiple times in order to create graduated fees.

Note

Certain fees, like late fees, can be set up at contract, as well as state level. In such cases, the contract fee, if present, is used first.

To set up the Fees

1. Click **Setup > Setup > Administration > User > Products > Contract > > Fees**.
2. In the Fees section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Type	Select the fee type from the drop-down list.
Txn Amt From	Specify the lowest transaction amount or balance amount against which this contract fee definition may be applied.
Method	Select the method of calculating the fee to be assessed from the drop-down list.
Frequency	Select the frequency of calculating the fee to be assessed from the drop-down list.

Field:	Do this:
Threshold Amt	<p>This field is enabled only if the Contract Fee type is either CYCLE BASED COLLECTION LATE FEE or CYCLE BASED LATE FEE.</p> <p>Specify the threshold amount which is less than or equal to minimum fee amount to be assessed. Based on this amount, system calculates and posts the Cycle Based Collection Late Fee or Cycle Based Late Fee based on the account.</p> <p>If calculated fee amount is less than threshold amount, fee is posted with transaction amount = 0.</p> <p>If calculated fee amount is greater or equal to threshold amount, fee is posted based on existing min amt and max amt comparing logic.</p>
Min Amt	Specify the minimum fee amount to be assessed.
Max Amt	Specify the maximum fee amount to be assessed. If you selected FLAT in the Method field, then this field is not used and is normally populated as \$0.00.
Percent	Specify the fee percentage of the outstanding transaction amount to be assessed as a fee. This amount will be adjusted to fall within the Min Amount and the Max Amount.
Enabled	Check this box to create the selected contract fee when the account is booked and funded.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.4 Asset Billing Rate

In Asset Billing Rate screen you can setup the various parameters associated with 'Home' collateral which serves as the input for 'Asset Billing' batch job to process and post the dues on to respective accounts in the system.

The chapter consists of following sections:

- [Asset Billing Rate Definition](#)
- [Asset Billing Rate Details](#)
- [Asset billing Calculations](#)
- [Asset Billing Rate Setup - File upload](#)
- [Asset Billing Batch Job](#)

4.4.1 Asset Billing Rate Definition

In the Asset Billing Rate Definition tab you can create and maintain 'Timeshare' specific Home collateral and account details of an account which are used as a selection criteria.

To set up Asset Billing Rate Definition

1. On the Oracle Financial Services Lending and Leasing home screen, click Setup > Setup > Administration > User > Products > Asset Billing Rate.

2. In the Asset Billing Rate Definition section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of fields are given below:

In this field:	Do this:
Name	Enter a unique name for Asset Billing Rate definition. This field is not editable after saving the record or during EDIT.
Description	Enter the description for Asset Billing Rate definition.
Enabled	Check this box to enable the record.
Selection Criteria	
Company	Select the portfolio company from the drop-down list. This list is populated based on Enabled Company definitions maintained in the system.
Branch	Select the portfolio branch from the drop-down list.
Product	Select the type of product associated with the collateral from the drop-down list.
State	Select the state to which the account operates from the drop-down list.
Channel	Select the channel from the drop-down list.
Asset Type	Select asset type from the drop-down list. The list is populated based on assets setup.
Asset Sub Type	Select the asset sub type from the drop-down list.
Club Name	Select the Club Name from the drop-down list.
Phase Number	Select the Phase Number from the drop-down list.
Site of Inventory	Select the Site of Inventory from the drop-down list.
Building	Select the Building from the drop-down list.

In this field:	Do this:
Unit	Select the Unit from the drop-down list.
Week	Select the Week from the drop-down list.
Room/Unit Type	Select the Room/Unit Type from the drop-down list.
Usage Type	Select the Usage Type from the drop-down list.
Resort Identifier	Select the Resort Identifier from the drop-down list.
Min Points	Specify the minimum points for the asset billing definition.
Max Points	Specify the maximum points for the asset billing definition.
Association Id	Select the Association Id from the drop-down list.
Club Indicator	Check this box to indicate Club Indicator.
Plus Membership Type	Check this box to indicate Plus Membership Type.
PR Marking	Check this box to indicate PR Marking.
Signature Grand Father	Check this box to indicate Signature Grand Father.
Additional Attributes - This section consists of additional 15 configurable fields as indicated below 5 check boxes - Membership 1-5 Opt 5 drop-down lists - Other Attribute 1-5 5 Calendar fields - Other Attribute 5-10	

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.4.2 **Asset Billing Rate Details**

In the Asset Billing Details sub tab, you can define Transactions, their Calculation Method, and other parameters which are posted by Billing Batch Job.

Note that once a record is created in this section, the same is available in Read-Only mode and you can only Enable or Disable the record in Edit mode.

To set up Asset Billing Rate Details

1. On the Oracle Financial Services Lending and Leasing home screen, click Setup > Setup > Administration > User > Products > Asset Billing Rate.
2. In the Asset Billing Rate Details section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of fields are given below:

In this field:	Do this:
Start Date	Select the date of asset billing from adjoining calendar.

In this field:	Do this:
Transaction	Select the transaction from the drop-down list. This list is populated with transactions where the Transaction code = FOTH%.
Calc Method	Select one of the following calculation method from drop-down list. - Flat Amt - Rate - Flat Amt + Rate - Tiered Rate - Slab Formula For more information on above calculation methods, refer to ' Asset billing Calculations ' section.
Flat Amt	Specify the flat amount or fixed amount to be charged during asset billing calculation. This field is available if the Calc Method is Flat Amt, Flat Amt + Rate, and Slab based Formula.
Rate	Specify the rate for asset billing calculation. This field is available if the Calc Method is Rate and Flat Amt + Rate.
Frequency	Select the frequency of asset billing calculation from the drop-down list. The list is populated based on frequency maintained in lookup code.
% of Calc Amt	Specify the percentage of amount for calculation. By default, this is set to 100.
Base Points	Specify the base points for asset billing calculation. By default this is set to 1 since a value is required system does not allow to enter '0'. This field is available if the Calc Method is Rate, Flat Amt + Rate, Tiered Rate, and Slab Formula.
Slab Points	Specify the slab points for asset billing calculation. This field is available if the Calc Method is Slab Formula.
% Increase	Specify the percentage increase in each slab for asset billing calculation. This field is available if the Calc Method is Slab Formula.
Min Amt	Specify the base minimum amount to be configured for the resulted transaction amount. If the resulted Transaction Calculation Amount is less than the Min Amt defined here, system posts the transaction with Min Amt.
Max Amt	Specify the maximum amount to be configured for the resulted transaction amount.

In this field:	Do this:
Billing Year	Specify the year in which the Rate is applicable. The Billing Year is stamped in billing amount transaction description only for FOTH% transactions.
Enabled	Check this box to enable the Asset Billing Rate.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.4.2.1 **Tiered Rate Details sub tab**

The Tiered Rate Details sub tab you can define 'points' specific tiers with different rates. This sub tab is enabled only if the transaction calculation method is selected as 'Tiered Rate' in Asset Billing Rate Details section. For calculation details, refer to '[Tiered Rate Calculation](#)' section.

To set up Tiered Rate Details

1. On the Oracle Financial Services Lending and Leasing home screen, click Setup > Setup > Administration > User > Products > Asset Billing Rate.
2. In the Tiered Rate Details section, perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of fields are given below:

In this field:	Do this:
From Points	Specify the points from where the respective rate is applicable.
Rate	Specify the rate for defined points range.
Enabled	Check this box to enable Tiered Rate detail

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

4.4.3 **Asset billing Calculations**

This section explains the following calculation methods based on which the Asset Billing is processed in the system:

- Flat Amount Calculation
- Rate Calculation
- Flat Amt + Rate Calculation
- Tiered Rate Calculation
- Slab Formula Calculation

4.4.3.1 **Flat Amount Calculation**

In 'Flat Amount' calculation, system calculates the Transaction Amount using below formula:

Frequency	Billing Cycle	Transaction Amount Calculation
Annual	Monthly	(Flat Amt/12)
Monthly	Annual	(Flat Amt*12)

Frequency	Billing Cycle	Transaction Amount Calculation
Annual	Quarterly	(Flat Amt/4)
Quarterly	Annual	(Flat Amt*4)
Annual	Semi Annual	(Flat Amt/2)
Semi Annual	Annual	(Flat Amt*2)
Annual	Annual	(Flat Amt /1)

Consider the above calculation as reference for other combinations of Rate Frequency and Billing cycle.

4.4.3.2 **Rate Calculation**

In 'Rate' calculation, system calculates the Transaction Amount using below formula:

Frequency	Billing Cycle	Transaction Amount Calculation
Annual	Monthly	(Rate/12)*(Billing Points at collateral / Base Points)
Monthly	Annual	(Rate*12)*(Billing Points at collateral / Base Points)
Annual	Quarterly	(Rate/4)*(Billing Points at collateral / Base Points)
Quarterly	Annual	(Rate*4)*(Billing Points at collateral / Base Points)
Annual	Semi Annual	(Rate/2)*(Billing Points at collateral / Base Points)
Semi Annual	Annual	(Rate*2)*(Billing Points at collateral / Base Points)
Annual	Annual	(Rate/1)*(Billing Points at collateral / Base Points)

Consider the above calculation as reference for other combinations of Rate Frequency and Billing cycle.

4.4.3.3 **Flat Amt + Rate Calculation**

In 'Flat Amt + Rate' calculation, system calculates the Transaction Amount using below formula.

Transaction Amount = Flat Amt + Rate * (Billing Points at Collateral/Base Points)

Note

The Rate and Flat amount are adjusted based on Frequency and Billing Cycle.

4.4.3.4 **Tiered Rate Calculation**

In 'Tiered Rate' calculation, system selects the 'Asset Billing Rate Details' using the Billing Points at Asset and other asset parameters and calculates the transaction amount by deriving the rate from Tiered Rate table.

Transaction Amount = (Tiered Rate) * (Tiered Points / Base Points)

For example, if an Asset has 1.5 million points and the range is maintained as - for first million points rate=0.66 with Base Points =1000 and for remaining points rate=0.60 with Base Points = 1000, the Transaction Amount = 1million * (0.66/1000) + 0.5 million * (0.6/1000) = 660 + 300 = 960.

Note the following:

- If the range for specific points are not maintained correctly, the same is considered as '0' rate and in-turn the Transaction Amount derived also becomes '0'.
For example, if Billing Points are 8000 but if range maintained points is from 10000 with Rate = 0.55 and Base Points = 1, the transaction amount results as (0*(8000/1) =0).
- Rate is adjusted based on Frequency and Billing Cycle as mention in 'Rate' Method.

4.4.3.5 Slab Formula Calculation

In 'Slab Formula' calculation, system calculates the Transaction Amount using below formula.

Transaction Amount = [Flat Amt] + Ceil[{\Billing Points - Base Points}/Slab Points]*{\%Increase / 100}*Flat Amt]]

The resultant amount will always be rounded-up.

For example,

$$\begin{aligned} \text{Transaction Amount} &= [491.32 + \{ \{ (61000 - 5000) / 2500 \} * \{ (30.4 / 100) * 491.32 \} \}] \\ &= [491.32 + [\text{Round-up } \{ 22.4 \} * \{ 149.36 \}]] \\ &= [491.32 + 3435.28] \\ \text{Transaction Amount} &= 3926.6 \end{aligned}$$

Note

The Rate and Flat amount are adjusted based on Frequency and Billing Cycle.

4.4.4 Asset Billing Rate Setup - File upload

The data in Asset Billing Rate screen can also be created and updated from an external file through SET-IFP input file upload process. While doing so, ensure that the file format of Header and Details record are maintained in required order and the input file is placed in upload area.

During the scheduled batch job run, the asset billing batch job picks-up the data in input file and loads on to the system to create Asset Billing Rate setup records.

However, before processing the details, system performs the following validations:

- If Name of the record is unique and duplicate record is not being updated.
- For Tiered Rate, the details are added only if the Calc Method = Tiered Rate. If not, system displays an error indicating 'Tiered Rate Details are not required for <Calc Method>' and the record is added in bad file.
- For update to existing record details, only Enable/Disable option is supported. If there is a mismatch in the name of the record, batch job errors out with message 'Record not found' and the record is added in bad file.
- For new records, all the fields are mandatory and default values are applicable.

- Values provided in fields which are of lookup type are validated with lookup code. In case of mismatch, batch job errors out with message 'Lookup value not matching' and the record is added in bad file.
- Negative values is not added for number fields.
- Base Point's field does not contain negative, '0', or decimal values.

4.4.5 **Asset Billing Batch Job**

The billing batch job TXNDDT_BJ_100_01 (BILLING/DUE DATES PROCESSING) facilitates to process the asset billing dues on account for 'Home' collateral and posts the corresponding transactions.

Listed below is the sequence of processing steps:

1. Billing batch job picks-up the Vacation Ownership (VO) parameters from Servicing > Account > Collateral (Home) > Vacation Ownership tab.
 - The required accounts for Asset billing batch job processing is selected based on the type of account selected in 'Due Amt Account Type' field. I.e. in 'Vacation Ownership Details' section if the 'Billing' option is checked and the Due Amt Account Type is selected as Current or Linked or Master Account, then the billing batch job posts the transactions based on Asset Billing Rate setup in Current account or Linked Account of current Account or Master Account of current Account respectively.
 - In addition, system includes the asset billing points of Linked Account/Associated Account only if the status of those accounts are in any of the status defined in lookup code 'ACC_STATUS_BILLING_CD' (ACCOUNT STATUS FOR ASSET BILLING CODES). Account statuses which are not maintained in the lookup code are excluded for asset billing calculation. However, If no statuses are maintained in the lookup, then system will consider all statuses for consolidation.
 - If billing flag is checked and Due Amt Account Type = Current Account, billing batch job posts the transactions based on Asset Billing Rate setup in 'Current' account.
 - If billing flag is checked and Due Amt Account Type = Linked Account, billing batch job post the transactions based on Asset Billing Rate setup in 'Linked Account of current Account'.
 - If billing flag is checked and Due Amt Account Type = Master Account, billing batch job post the transactions based on Asset Billing Rate setup in 'Master Account of current Account'.

Before the due calculation, batch job validates VO parameters with the following:

- If the selected Usage Type sub code is 'FULL', system considers Full points for rate derivation and 'Billing points' is considered for Transaction Amount calculation.
- If the selected Usage Type sub code is 'HALF', system considers 'Billing Points' for Transaction Amount calculation but rate is derived using full points.
- If the 'First Year Proration' check box is selected, then the rate is derived using full points and the Transaction Amount is calculated based on prorated points (not on full points).
- The prorated points are calculated based on Asset 'Usage Start Date'.
 - If the usage start date year is equal to first due year, then system prorates the points as indicated in example below:
 If First Due Date = 01/01/2018, Usage Start Date = 01/10/2018,
 Prorated Points = Billing Points * (13-1)/12= Billing Points *1
 If First Due Date = 01/01/2018, Usage Start Date = 03/10/2018
 Prorated Points = Billing Points * (13-3)/12= Billing Points*10/12

Note: Number '13' here is used as constant.

- If the usage start date year is before the due date year, system considers the full points for calculating the Transaction Amount and no proration is required here.
2. Batch job looks of best matching Asset Rate details and Asset Billing definition in Setup.
 3. Batch job checks for status (Y/N) of 'Multiple Billing Asset Rate' indicator at Account Details > Contract > Billing level to decide if multiple asset rates are applicable for one billing period or not.
 - If 'N', system picks the latest rate which is less than or equal to DUE DATE. In this case only one best match record is fetched to derive Transaction Amount and no multiple asset rates are applicable for one billing period.
 - If 'Y', system fetches multiple rates only when rate End Date (i.e. rate start date + rate frequency) ends with one or more cycle(s) before the next due date. This implies that current rate record does not cover the entire billing period.
 - However, if 'Multiple Billing Asset Rate' is set to Y but there is no 'Rate' available for Due period beyond the Rate End date, system applies the same rate that is picked for Due Period which is Less than or Equal to Due End Date.
 4. Batch job posts the matched transactions at account level based on calculation method. The following Asset Billing Rate Details are stamped on the transaction posted:
 - Asset Id (Assets)
 - Asset Rate Id (Asset Billing Rate Definition)
 - Asset Rate Details Id (Asset Billing Rate Details)
 - Rate Start Date (Asset Billing Rate Details)
 - Rate Frequency (Asset Billing Rate Details)
 - Calculation Method (Asset Billing Rate Details)
 - Rate (Asset Billing Rate Details)
 - In case of Tiered Rate, Effective Rate is stamped
 - Base Points (Asset Billing Rate Details)
 - Slab Points (Asset Billing Rate Details)
 - % Increase (Asset Billing Rate Details)
 - Billing Year (Asset Billing Rate Details)

On posting the transactions, following validations and outcome are handled:

- If the respective balance for transaction is missing, batch job fails with an error message indicating 'Account #: Transaction posting failed Balance not available' in Batch > Request Results block and does not process the account due amount calculation.
 - This can be rectified by posting 'Add balance to Account' non-monetary transaction. For more information, refer to Appendix - Non-Monetary transactions section in Servicing User Guides.
- If the transaction posting failed due to an issue in Access grid configuration or Product configuration at transaction codes, batch job displays error indicating 'Account #: Transaction posting failed <Reason>' and does not process the account due amount calculation.
- If the Resulted transaction amount is less than Min Amount defined, batch job considers the Min amount and posts the transaction.
- If the Resulted transaction amount is greater than Max Amount defined, batch job considers the Max amount and posts the transaction.

4.5 Letters

The Letters screen allows you to define letters that the system automatically generates when the application or the account for a products meets certain conditions, or “trigger events.” Each letter has its own trigger event. For example, you can configure the system to automatically send a welcome letter when an application becomes an account or send a collection letters when an account becomes delinquent.

The system supports the following types of letters:

Type of letter:	Definition:
ACCOUNT STATEMENT	Generated when account is to receive a billing statement (this time is defined in contract setup). Letter is sent to customer.
ADVERSE Action letter	Generated in nightly batch jobs for applications that were declined. This letter is sent to the consumer to indicate the reasons why the application was declined.
CONDITIONAL ADVERSE	Generated in nightly batch jobs for applications that were
ACTION LETTER	declined. This letter is sent to the consumer to indicate the reasons why the application was declined. This letter also indicates steps that the consumer may take to gain approval of the application.
COLLECTION LETTER 1	Generated when an account becomes delinquent. This is the first dunning letter sent to the customer.
COLLECTION LETTER 2	Generated when an account remains in delinquency for an extended period. This is the second dunning letter sent to the customer.
COLLECTION LETTER 3	Generated when an account remains in delinquency for an extended period, even after having received previous notices. This is the final dunning letter sent to the customer.
CONTRACT FUNDING fax/ email	Generated when an application is APPROVED: FUNDED or CONDITIONED: FUNDED. This letter is sent to the producer.
DECISION FAX/ EMAIL	Generated when an application is APPROVED, CONDITIONED, or REJECTED. This letter is sent to the consumer or producer, depending on whether the product is a direct or in-direct loan.
PAID IN FULL LETTER	Generated in nightly batch jobs when the account pays off. This letter is sent to the customer.
PAYOFF QUOTE LETTER	Generated when a payoff quote is created for an account. This letter is sent to the customer.
WELCOME LETTER	Generated when an application is APPROVED: FUNDED. This letter is sent to the consumer. STATEMENT PAST MATURITY Generated when an accounts are matured but unpaid. This letter is sent to the account holders as a reminder to make their payments.

When the system generates letters, it searches the Letters screen for letter definitions that meet the following criteria:

- Definition is enabled.
- Definition is an exact match of the letter code being generated.
- Definition is a match of either the application/account value or ALL for all other criteria.

Exact matches for each field are given a higher weight than matches to ALL.

The returned rows are then given a descending rank based on the weighted values and the hierarchical position of these fields:

1. Company
2. Branch
3. Product
4. State
5. Currency

On the ranked rows, the first row is returned as the best match.

To set up the Letters

1. On the Oracle Financial Services Lending and Leasing home screen, click **Setup > Setup > Administration > User > Products > Letters >** .
2. In the Letter Definition section, perform any of the [Basic Operations](#) mentioned in Navigation chapter.

A brief description of the fields is given below:

Field:	Do this:
Letter Code	Specify the code for the letter.
File Name	Specify the file name of the Oracle report used to generate the letter. The file should be named <File Name>.rep on your server.
Letter Type	Select the type of letter you want to generate from the drop-down list.
Channel	Select the application source (channel) for the letter from the drop-down list. This may be ALL or a specific channel.
Enabled	Check this box to enable this letter definition.
Result section	
Batch Printer	Select the batch printer being used to generate the letter from the drop-down list.
Batch User	Select the user who will submit this letter from the drop-down list. This will normally be set to BATCH.
Selection Criteria section	
Company	Select the portfolio company for which this letter will be used from the drop-down list. This may be ALL or a specific company.

Field:	Do this:
Branch	Select the portfolio branch for which this letter will be used from the drop-down list. This may be ALL or a specific branch. This must be ALL if in the Company field you selected ALL).
Product	Select the product for which this letter will be used from the drop-down list. This may be ALL or a specific product.
State	Select the state for which this letter will be used from the drop-down list. This may be ALL or a specific state.
Currency	Select the currency for which this letter will be used from the drop-down list. This may be ALL or a specific currency.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

Appendix A: Summary of the Application Scoring Parameters

A.1 Glossary

Term	Description
DEROG / DEROGATORY	Account has had chargeoffs, collections, bankruptcy, or repossession.
MINOR DELINQUENCY	Less than or equal to 60 days delinquent.
MAJOR DELINQUENCY	Greater than 60 days delinquent.
DEBT RATIO	Debt / Available credit.
DEBT TO INCOME RATIO	Debt / Income.
“APPLICANT STATED”	Parameter is pulling information stated or in any other way provided by the applicant on the application on the Application Entry form in the system.
“APPLICANT CREDIT BUREAU”	Parameter is pulling information from the credit bureau, as opposed to another source, such as the Application Entry form.
FINANCE	Refers to companies that provide the but are not selling the actual object financed, if any. Example: An independent auto finance company.
SALES FINANCE	Refers to companies that provide the object being financed in addition to the financing. Example: Marshall Fields card.

A.2 Scoring Parameters by Category

A.2.1 Applicant Details / Debt Ratios

A.2.1.1 Applicant Credit Bureau Auto Debt Ratio

This is the sum of all automobile type balances and the sum of all automobile type credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only.

A.2.1.2 Applicant Credit Bureau Bank Debt Ratio

This is the sum of all bank type balances and the sum of all bank type credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only.

A.2.1.3 Applicant Credit Bureau Card Debt Ratio

This is the sum of all travel card type balances and the sum of all travel card type credit limits. This applies to open tradelines only.

A.2.1.4 Applicant Credit Bureau Debt Ratio

This parameter provides a value for all debt divided by all available credit as shown on the bureau.

A.2.1.5 Applicant Credit Bureau FICO Score

This is the FICO score provided for the applicant in the bureau pull. There are usually several different types of FICO scores available at the bureau. The different score models are set up to give certain attributes different, weighting based on if the person is buying a car, or a house, and so on. The type of FICO score pulled is based on credit bureau setup.

A.2.1.6 Applicant Credit Bureau Inst Debt Ratio

This is the sum of all installment balances and the sum of all installment credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only.

A.2.1.7 Applicant Credit Bureau Fin Debt Ratio

This is the sum of all finance type lease balances and the sum of all finance type credit limits. For installment lease, the credit limit is normally equal to the original amount. This applies to open tradelines only.

A.2.1.8 Applicant Credit Bureau Mortgage Debt Ratio

This is the sum of all mortgage type balances and the sum of all mortgage type credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only.

A.2.1.9 Applicant Credit Bureau Open Public Records

This parameter indicates if there are any open public records in the credit bureau associated with the applicant. This is a numeric counter covering the full period of time available in the bureau.

A.2.1.10 Applicant Credit Bureau Public Records

This parameter indicates, if there are any public records, open or closed, in the credit bureau associated with the applicant. This is a numeric counter covering the full period of time available in the bureau.

A.2.1.11 Applicant Credit Bureau Retail Debt Ratio

This is the sum of all retail type balances divided by the sum of all retail type credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only. This is expressed as a percent: 50% shows as 50.

A.2.1.12 Applicant Credit Bureau Rev Debt Ratio

This is the sum of all revolving type balances and the sum of all revolving type credit limits. This applies to open tradelines only. This is expressed as a percent: 50% shows as 50.

A.2.1.13 Applicant Credit Bureau Sales Fin Debt Ratio

This is the sum of all sales finance type balances and the sum of all sales finance type credit limits. For installment, the credit limit is normally equal to the original amount. This applies to open tradelines only. This is expressed as a percent: 50% shows as 50.

A.2.1.14 Applicant Debt Ratio Stated After Requested Amount

This is the debt divided by available credit based on the values stated by the applicant after factoring in the requested amount- this information is not taken from the bureau. This is expressed as a percent: 50% shows as 50.

A.2.1.15 Applicant Debt Ratio Stated Before Requested Amount

This is the debt divided by available credit based on the values stated by the applicant before factoring in the requested amount- this information is not taken from the bureau. This is expressed as a percent: 50% shows as 50.

A.2.1.16 Applicant Debt To Income Ratio Stated After Requested Amount

This is the debt divided by income based on the values stated by the applicant after factoring in the requested amount- this information is not taken from the bureau. This is expressed as a percent: 50% shows as 50.

A.2.1.17 Applicant Debt To Income Ratio Stated Before Requested Amount

This is the debt divided by income based on the values stated by the applicant before factoring in the requested amount- this information is not taken from the bureau. This is expressed as a percent: 50% shows as 50.

A.2.1.18 Applicant Payment To Income Ratio Stated

This is the total amount of all monthly payments divided by monthly income. These values are stated by the applicant and not taken from the bureau. This is expressed as a percent: 50% shows as 50.

A.2.1.19 Applicant Prior Customer

This parameter indicates whether the applicant is a prior customer. It is populated when the application is passed to Underwriting for a decision. If the SSN given by the applicant already exists then the applicant is marked as a prior customer and the parameter value is Y (Yes).

A.2.1.20 Applicant Revolving Debt Ratio Stated

This is the sum of all revolving type amount balances / sum of all revolving type credit limits. This applies to open tradelines only. This is expressed as a percent: 50% shows as 50.

A.2.1.21 Applicant Stated Employment Period (In Months)

This parameter looks at the number of months of stated employment for the most recently entered current employment.

For example, the applicant states that she has been working at her current place of employment for 3 years and 5 months. This parameter would be populated with (3years * 12 months/year) + 5 months which calculates to 41 stated months. If the applicant enters another current employment and enters 1 year and 2 months then this parameter will be populated with 14 months, even though the other employment is still current.

A.2.1.22 Applicant Stated Monthly Income

This is the monthly income stated by the applicant on the application. It combines the income for all employment marked as "current" in the system. If the income is stated as anything other than monthly, the income will be converted to monthly for this parameter.

For example, the applicant states that he is paid \$50,000 with a frequency of ANNUALLY. This parameter is populated with \$50,000/12, which calculates to \$4166.67 stated monthly income.

A.2.1.23 Applicant Stated Monthly Liability

This is the stated monthly liability as provided by the applicant on the Application Entry screen.

A.2.1.24 Applicant Stated Residence Period (In Months)

This parameter looks at the stated residence period for the most recent current address.

A.2.2 Details

A.2.2.1 Approximate Cash Price

This is the Approximate Cash price taken from the "Approx Price" field on the Application Entry form's screen in the system.

A.2.2.2 Requested Advance Amount

This is the Requested Advance Amount value taken from the Application Entry form's screen in the system.

A.2.3 Auto Trades / Inquiries

A.2.3.1 Applicant Credit Bureau 6month Auto Trades

This is the number of auto trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.3.2 Applicant Credit Bureau 12month Auto Trades

This is the number of auto trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.3.3 Applicant Credit Bureau 24month Auto Trades

This is the number of auto trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.3.4 Applicant Credit Bureau Auto Inquiries

This is the number of automobile-related credit inquiries the have been made to the bureau.

A.2.3.5 Applicant Credit Bureau Auto Trades

This is the number of auto trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.3.6 Applicant Credit Bureau Current Auto Trades

Total number of auto trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.3.7 Applicant Credit Bureau Open Auto Trades

This is the number of open auto trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.3.8 Applicant Credit Bureau Satisfactory Auto

Total number of auto trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.3.9 Applicant Credit Bureau Worst Auto Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.4 Bank Trades / Inquiries

A.2.4.1 Applicant Credit Bureau 12month Bank Trades

This is the number of bank trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.4.2 Applicant Credit Bureau 24month Bank Trades

This is the number of bank trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.4.3 Applicant Credit Bureau 6month Bank Trades

This is the number of bank trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.4.4 Applicant Credit Bureau Bank Inquiries

This is the number of bank inquiries against the bureau in the applicant's recorded bureau history.

A.2.4.5 Applicant Credit Bureau Bank Trades

This is the number of open bank trades on the account. Note that bank trades can be considered a sub type to installment, mortgage, and / or revolving .

A.2.4.6 Applicant Credit Bureau Bank Trades

Total number of bank trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.4.7 Applicant Credit Bureau Bank Trades

This is the number of bank trades that are open right now. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.4.8 Applicant Credit Bureau Bank Trades

This parameter shows the “current” revolving bank balance. If the revolving credit is owned by a bank, then it will show up here.

A.2.4.9 Applicant Credit Bureau Bank Trades

This parameter shows the highest cumulative balance among all revolving bank credit over the bureau history.

NOTE

If the applicant had \$5,000 on one account 2 years ago and \$10,000 on another account 4 years ago, this parameter would return \$15,000. The parameter is of questionable utility in many situations.

A.2.4.10 Applicant Credit Bureau Bank Trades

Total number of bank trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.4.11 Applicant Credit Bureau Bank Trades

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.5 Card Trades / Inquiries

A.2.5.1 Applicant Credit Bureau Bank Trades

This is the number of card trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.5.2 Applicant Credit Bureau Bank Trades

This is the number of card trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.5.3 Applicant Credit Bureau Bank Trades

This is the number of card trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.5.4 Applicant Credit Bureau Bank Trades

This is the number of card inquiries that have been made against the bureau for the applicant in the bureau's recorded history.

A.2.5.5 Applicant Credit Bureau Card Trades

This is the number of card trades, both open and closed, in the bureau history. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.5.6 Applicant Credit Bureau Current Card Trades

Total number of card trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.5.7 Applicant Credit Bureau Open Card Trades

This is the number of open card trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.5.8 Applicant Credit Bureau Satisfactory Card

Total number of card trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.5.9 Applicant Credit Bureau Worst Card Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.6 Installment Trades / Inquiries

A.2.6.1 Applicant Credit Bureau 12month Inst Trades

This is the number of installment trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.6.2 Applicant Credit Bureau 24month Inst Trades

This is the number of installment trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.6.3 Applicant Credit Bureau 6month Inst Trades

This is the number of installment trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.6.4 Applicant Credit Bureau Current Inst Trades

Total number of installment trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.6.5 Applicant Credit Bureau Inst Trades

This is the number of installment trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.6.6 Applicant Credit Bureau Open Inst Trades

This is the number of open installment trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.6.7 Applicant Credit Bureau Satisfactory Inst Trades

Total number of installment trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.6.8 Applicant Credit Bureau Worst Inst Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.7 Finance Trades / Inquiries

A.2.7.1 Applicant Credit Bureau 12month Fin Trades

This is the number of finance trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.7.2 Applicant Credit Bureau 24month Fin Trades

This is the number of finance trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.7.3 Applicant Credit Bureau 6month Fin Trades

This is the number of finance trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.7.4 Applicant Credit Bureau Current Fin Trades

Total number of finance trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.7.5 Applicant Credit Bureau Fin Trades

This is the number of finance trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.7.6 Applicant Credit Bureau Finance Inquiries

This is the number of finance inquiries listed on the credit report. The bureaus have their own limits as to how long they keep an inquiry on the credit report, but this parameter will show whatever total is shown for that bureau.

A.2.7.7 Applicant Credit Bureau Open Finance Trades

This is the number of open finance trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.7.8 Applicant Credit Bureau Satisfactory Fin

Total number of finance trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.7.9 Applicant Credit Bureau Worst Fin Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.8 Mortgage Trades / Inquiries

A.2.8.1 Applicant Credit Bureau 12month Mortgage Trades

This is the number of mortgage trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.8.2 Applicant Credit Bureau 24month Mortgage Trades

This is the number of mortgage trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.8.3 Applicant Credit Bureau 6month Mortgage Trades

This is the number of mortgage trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.8.4 Applicant Credit Bureau Current Mortgage Trades

Total number of mortgage trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.8.5 Applicant Credit Bureau Mortgage Trades

This is the total number of mortgage trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.8.6 Applicant Credit Bureau Open Mortgage Trades

This is the number of open mortgage trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.8.7 Applicant Credit Bureau Satisfactory Mortgage

Total number of mortgage trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.8.8 Applicant Credit Bureau Worst Mortgage Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.9 Retail Trades / Inquiries

A.2.9.1 Applicant Credit Bureau 12month Retail Trades

This is the number of retail trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.9.2 Applicant Credit Bureau 24month Retail Trades

This is the number of retail trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.9.3 Applicant Credit Bureau 6month Retail Trades

This is the number of retail trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.9.4 Applicant Credit Bureau Current Retail Trades

Total number of retail trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.9.5 Applicant Credit Bureau Open Retail Trades

This is the number of open retail trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.9.6 Applicant Credit Bureau Retail Inquiries

This is the number of retail inquiries listed on the credit report. The bureaus have their own limits as to how long they keep an inquiry on the credit report, but this parameter will show whatever total is shown for that bureau.

A.2.9.7 Applicant Credit Bureau Retail Trades

This is the number of retail trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.9.8 Applicant Credit Bureau Satisfactory Retail

Total number of retail trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.9.9 Applicant Credit Bureau Worst Retail Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.10 Revolving Trades

A.2.10.1 Applicant Credit Bureau 12month Rev Trades

This is the number of revolving trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.10.2 Applicant Credit Bureau 24month Rev Trades

This is the number of revolving trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.10.3 Applicant Credit Bureau 6month Rev Trades

This is the number of revolving trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.10.4 Applicant Credit Bureau Current Rev Trades

Total number of revolving trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.10.5 Applicant Credit Bureau Open Rev Trades

This is the number of open revolving trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.10.6 Applicant Credit Bureau Rev Balance

This is the total revolving credit balance shown on the applicant's credit bureau. This applies to all open revolving trades.

A.2.10.7 Applicant Credit Bureau Rev High Balance

This parameter shows the highest cumulative balance among all revolving credit over the bureau history.

NOTE

If the applicant had \$5,000 on one account 2 years ago and \$10,000 on another account 4 years ago, this parameter would return \$15,000. The parameter is of questionable utility in many situations.

A.2.10.8 Applicant Credit Bureau Rev Retail Balance

This is the current revolving retail trade balance shown on the applicant's credit bureau. This applies to all open retail trades. It shows current, not historical, information.

A.2.10.9 Applicant Credit Bureau Rev Retail High Balance

This parameter shows the highest cumulative balance among all revolving retail credit over the bureau history.

Note

If the applicant had \$5,000 on one account 2 years ago and \$10,000 on another account 4 years ago, this parameter would return \$15,000. The parameter is of questionable utility in many situations.

A.2.10.10 Applicant Credit Bureau Rev Trades

This is the number of revolving trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.10.11 Applicant Credit Bureau Satisfactory Rev Trades

Total number of revolving trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.10.12 Applicant Credit Bureau Worst Rev Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.11 Sales Finance Trades / Inquiries

A.2.11.1 Applicant Credit Bureau 12month Sales Fin Trades

This is the number of sales finance trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.11.2 Applicant Credit Bureau 24month Sales Fin Trades

This is the number of sales finance trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.11.3 Applicant Credit Bureau 6month Sales Fin Trades

This is the number of sales finance trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.11.4 Applicant Credit Bureau Current Sales Fin Trades

Total number of sales finance trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.11.5 Applicant Credit Bureau Open Sales Finance Trades

This is the number of open sales finance trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.11.6 Applicant Credit Bureau Sales Fin Trades

This is the number of sales finance trades, both open and closed. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.11.7 Applicant Credit Bureau Sales Finance Inquiries

This is a count of the number of sales finance inquiries that have been made against the Applicant's bureau information in the bureau history.

A.2.11.8 Applicant Credit Bureau Satisfactory Sales Fin

Total number of sales finance trades paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.11.9 Applicant Credit Bureau Worst Sales Fin Trade

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.12 Other Trades

A.2.12.1 Applicant Credit Bureau 12month Trades

This is the number of all trades that have been opened in the last 12 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.12.2 Applicant Credit Bureau 24month Trades

This is the number of all trades that have been opened in the last 24 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.12.3 Applicant Credit Bureau 6month Trades

This is the number of all trades that have been opened in the last 6 months. Note that these trades may now be open or closed, paid as agreed, delinquent, or derogatory, and so on.

A.2.12.4 Applicant Credit Bureau Avg Open Trade Age

This is the average trade age in months as calculated using all open trades in the bureau. This is based on taking all of the open tradelines, then dividing by the age.

A.2.12.5 Applicant Credit Bureau Avg Trade Age

This is the average trade age in months as calculated using all trades, open and closed, in the bureau.

A.2.12.6 Applicant Credit Bureau Chargeoff Trades

This parameter is a count of the total number of charged off trades for that applicant in the bureau.

A.2.12.7 Applicant Credit Bureau Collections

This is the total number of trades in collections for that applicant in the credit bureau. This refers to accounts assigned to collections agencies.

A.2.12.8 Applicant Credit Bureau Current Trades

This is the total number of trades that are paid on time right now. These trades may or may not have been delinquent in the past.

A.2.12.9 Applicant Credit Bureau Inquiries

This is the number of inquires listed on the credit report. The bureaus have their own limits as to how long they keep an inquiry on the credit report, but this parameter will show whatever total is shown for that bureau.

A.2.12.10 Applicant Credit Bureau Inquiries 12m

This is the total number of inquiries that have been made against the credit bureau for that applicant in the last 12 months

A.2.12.11 Applicant Credit Bureau Inquiries 24m

This is the total number of inquiries that have been made against the credit bureau for that applicant in the last 24 months

A.2.12.12 Applicant Credit Bureau Inquiries 6m

This is the total number of inquiries that have been made against the credit bureau for that applicant in the last 6 months

A.2.12.13 Applicant Credit Bureau Judgments

This is a count of the number of judgments against the applicant in the credit bureau.

A.2.12.14 Applicant Credit Bureau Liens

This is the total number of liens shown for the applicant in the credit bureau for that applicant.

A.2.12.15 Applicant Credit Bureau Newest Inquiry

This is the number of months since the most recent inquiry in the credit bureau for that applicant. This of course excludes the pull from the immediate past used to do the scoring in this particular situation in the system.

A.2.12.16 Applicant Credit Bureau Newest Trade

This is the number of months between now and the newest trade in the bureau for that applicant.

A.2.12.17 Applicant Credit Bureau Oldest Inquiry

This is the number of months between now and the oldest inquiry in the bureau for that applicant.

A.2.12.18 Applicant Credit Bureau Oldest Trade

This is the number of months between now and the oldest trade in the bureau for that applicant. Oldest is determined by looking at the oldest date on any tradeline, and then showing that.

A.2.12.19 Applicant Credit Bureau Open Collection Trades

This is the number of open trades in collections shown in the bureau for that applicant. This refers to any accounts assigned to in-house collections departments (as compared to 5.12.7).

A.2.12.20 Applicant Credit Bureau Open Collections

This is the number of open collections in the bureau for that applicant.

A.2.12.21 Applicant Credit Bureau Open Judgments

This is the total number of open (unsatisfied) judgments against the applicant as indicated in the bureau for that applicant.

A.2.12.22 Applicant Credit Bureau Open Liens

This is the total number of open liens against the applicant as indicated in the bureau for that applicant.

A.2.12.23 Applicant Credit Bureau Open Trades

This is the number of all open auto trades on the account. Note that these trades may be paid as agreed, delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.12.24 Applicant Credit Bureau Past Due 30

This is the number of trades that have been 30 or more days past due at some point in the recorded history of the bureau. Note that these trades may be delinquent, derogatory, and so on. The parameter makes no distinction.

A.2.12.25 Applicant Credit Bureau Past Due 30 12m

This is the number of trades that have been more than 30 days past due in the last 12 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.26 Applicant Credit Bureau Past Due 30 24m

This is the number of times the applicant has been more than 30 days past due in the last 24 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.27 Applicant Credit Bureau Past Due 60

This is the number of times the applicant has been more than 60 days past due in the recorded history of the bureau. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.28 Applicant Credit Bureau Past Due 60 12m

This is the number of times the applicant has been more than 60 days past due in the last 12 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.29 Applicant Credit Bureau Past Due 60 24m

This is the number of times the applicant has been more than 60 days past due in the last 24 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.30 Applicant Credit Bureau Past Due 90

This is the number of trades that are 90 or more days past due in the recorded history of the bureau. Note that these trades may be delinquent, derogatory, and so on. The parameter makes no distinction that one trade has been late 3 times; this parameter would show 1 if there are no other trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.31 Applicant Credit Bureau Past Due 90 12m

This is the number of times the applicant has been more than 90 days past due in the last 12 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.32 Applicant Credit Bureau Past Due 90 24m

This is the number of times the applicant has been more than 90 days past due in the last 24 months. The past dues could be for the same or different trades. If one trade has been late 3 times, this parameter would show 1 if there are no other trades.

A.2.12.33 Applicant Credit Bureau Past Due Now

This is the number of trades on which the applicant is currently past due, according to the bureau.

A.2.12.34 Applicant Credit Bureau Repossessions

This is the number of repossessions shown on the bureau for the applicant in the history of the bureau.

A.2.12.35 Applicant Credit Bureau Satisfactory Trades

This is the total number of trades of all types, paid as agreed (no delinquencies) for the entire life of the trade. This could be a few months or several years- the parameter makes no distinction.

A.2.12.36 Applicant Credit Bureau Too New Trades

This shows the number of trades that have been reported where a lender is reporting a brand new account, but has not even billed the applicant yet.

A.2.12.37 Applicant Credit Bureau Trade Collections

This is the number of trades in collections assigned to collections agencies shown on the bureau for the applicant in the history of the bureau.

A.2.12.38 Applicant Credit Bureau Trades

This is the number of trades in the history of the credit bureau for that applicant. Note that different bureaus store information for varying amounts of time.

A.2.12.39 Applicant Credit Bureau Worst Trades

The rating code used for this parameter is the same rating code system displayed for the tradelines. The different bureaus use different systems so Oracle Financial Services Lending and Leasing changes them to a common format that is used in the scoring:

1 = current

2 = 30-59 days late

3 = 60-89 days late

4 = 90-119 days late

5 = 120-149 days late

6 = 150- days late

7 = involved in a bankruptcy

8 = repossession, foreclosure

9 = charge-off

A.2.13 Bankruptcy information

A.2.13.1 Applicant Credit Bureau 11 Bankruptcies

This parameter provides a count of the number of Chapter 11 Bankruptcies the applicant has filed in the stored history of the bureau.

A.2.13.2 Applicant Credit Bureau 13 Bankruptcies

This parameter provides a count of the number of Chapter 13 Bankruptcies the applicant has filed in the stored history of the bureau.

A.2.13.3 Applicant Credit Bureau 7 Bankruptcies

This parameter provides a count of the number of Chapter 7 Bankruptcies the applicant has filed in the stored history of the bureau.

A.2.13.4 Applicant Credit Bureau Bankruptcies

This parameter provides a count of the number of bankruptcies of any type the applicant has filed in the stored history of the bureau.

A.2.13.5 Applicant Credit Bureau Bkrp Score

The bureaus offer two basic types of scores, a FICO type, and a bankruptcy type. The term FICO score is sometimes used as a generic term for a credit score, but it is supposed to mean that the score is based on an algorithm purchased or licensed from Fair Isaac Corp. In the system, if a score is listed as a FICO score, it is based on a Fair Isaac model. A bankruptcy score is a score that is used to predict the likelihood of a consumer to file bankruptcy. It is provided much like a FICO score.

A.2.13.6 Applicant Credit Bureau Open 11 Bankruptcies

This parameter provides a count of the number of open Chapter 11 Bankruptcies associated with the applicant in the bureau.

A.2.13.7 Applicant Credit Bureau Open 13 Bankruptcies

This parameter provides a count of the number of open Chapter 13 Bankruptcies associated with the applicant in the bureau.

A.2.13.8 Applicant Credit Bureau Open 7 Bankruptcies

This parameter provides a count of the number of open Chapter 7 Bankruptcies associated with the applicant in the bureau.

A.2.13.9 Applicant Credit Bureau Open Bankruptcies

This parameter provides a count of the number of bankruptcies of any type the applicant X has open currently.

A.2.13.10 Applicant Credit Bureau Recent 11 Bankruptcy

For this parameter, "Recent" refers to the number of months since the subject's most recent bankruptcy filing. One would use this parameter to determine if the subject has filed for Chapter 11 bankruptcy in the last X months.

A.2.13.11 Applicant Credit Bureau Recent 13 Bankruptcy

For this parameter, "Recent" refers to the number of months since the subject's most recent bankruptcy filing. One would use this parameter to determine if the subject has filed for Chapter 13 bankruptcy in the last X months.

A.2.13.12 Applicant Credit Bureau Recent 7 Bankruptcy

For this parameter, "Recent" refers to the number of months since the subject's most recent bankruptcy filing. One would use this parameter to determine if the subject has filed for Chapter 7 bankruptcy in the last X months.

A.2.13.13 Applicant Credit Bureau Recent Bankruptcy

For this parameter, "Recent" refers to the number of months since the subject's most recent bankruptcy filing. One would use this parameter to determine if the subject has filed for any kind of bankruptcy in the last X months.

A.2.13.14 Applicant Has A Prior Bankruptcy

This parameter tracks whether the applicant has indicated a prior bankruptcy based on the checkbox in the the system's Origination module. The prior bankruptcy is set to Y if the checkbox is checked otherwise it has a value of N.

A.2.14 Delinquency Information

A.2.14.1 Applicant Credit Bureau Longest Since Major

This parameter reflects the longest period (in months) a tradeline has been open since the last derog.

A.2.14.2 Applicant Credit Bureau Longest Since Minor

This parameter reflects the longest period (in months) a tradeline has been open since the last minor delinquency.

A.2.14.3 Applicant Credit Bureau Open Longest Since Major

This parameter considers the greatest amount of time (in months) between now and the corresponding major delinquency for all of the open parameters with major delinquencies, and reflects the greatest value returned.

A.2.14.4 Applicant Credit Bureau Open Longest Since Minor

This parameter considers the greatest amount of time (in months) between now and the corresponding minor delinquency for all of the open parameters with minor delinquencies, and reflects the greatest value returned.

A.2.14.5 Applicant Credit Bureau Open Shortest Since Major

This parameter considers the least amount of time (in months) between now and the corresponding major delinquency for all of the open parameters with major delinquencies, and reflects the least value returned.

A.2.14.6 Applicant Credit Bureau Open Shortest Since Minor

This parameter considers the least amount of time (in months) between now and the corresponding minor delinquency for all of the open parameters with minor delinquencies, and reflects the least value returned.

A.2.14.7 Applicant Credit Bureau Shortest Since Major

This parameter considers the least amount of time (in months) between now and the corresponding major delinquency for all of the parameters (open and closed) with major delinquencies, and reflects the least value returned.

A.2.14.8 Applicant Credit Bureau Shortest Since Minor

This parameter considers the least amount of time (in months) between now and the corresponding minor delinquency for all of the parameters (open and closed) with minor delinquencies, and reflects the least value returned.

A.2.15 Derogatory Trade Information

A.2.15.1 Applicant Credit Bureau Derog 12m Trades

Provides the number of trades that were derogatory in the last 12 months. This includes open and closed trades. These trades may or may not be derogatory now.

A.2.15.2 Applicant Credit Bureau Derog 24m Trades

Provides the number of trades that were derogatory in the last 24 months. This includes open and closed trades. These trades may or may not be derogatory now.

A.2.15.3 Applicant Credit Bureau Derog Now Trades

Provides the number of trades that are derogatory right now. Does this include closed trades?

A.2.15.4 Applicant Credit Bureau Derog Trades

This parameter addresses the number of derogatory trades associated with the applicant. This includes open and closed trades.

A.2.15.5 Applicant Credit Bureau Longest Since Derog

This parameter covers the longest period (in months) since last derog.

A.2.15.6 Applicant Credit Bureau Open Longest Since Derog

This parameter covers the longest period (in months) a tradeline has been open since the last derog.

A.2.15.7 Applicant Credit Bureau Open Shortest Since Derog

This parameter considers the least amount of time (in months) between now and the corresponding derog for all of the open parameters with derogs, and reflects the least value returned.

A.2.15.8 Applicant Credit Bureau Shortest Since Derog

This parameter considers the least amount of time (in months) between now and the corresponding derog for all of the parameters (open and closed) with derogs, and reflects the least value returned.

Appendix B: Rounding Amounts and Rate Attributes

Rounding Amounts

Generally in the lending industry, computed amounts (interest, fees, costs, and so on) are rounded to the second decimal place. However, there are occasions where the rounding of the computed amounts has to be carried out using different methods. Oracle Financial Services Lending and Leasing supports the rounding, raising, or cutting off of calculated amounts.

Rounding will increase the resulting amount to the next number up to the second decimal, based on the value of third decimal.

Raising will always increase the resulting amount to the next number up to the second decimal.

Cutting off will always cut the number after the second decimal.

You can choose the rounding method you want to use by setting the parameter value for the system parameter CMN_AMOUNT_ROUND_METHOD in setup screen (Setup > Administration > System > System Parameters > System tab).

You can choose the rounding factor you want to use by setting the parameter value for the system parameter CMN_AMOUNT_ROUND_FACTOR in setup screen (Setup > Administration > System > System Parameters > System tab).

Examples of how resulting amounts differ by RAISE, ROUND, and CUTOFF:

Example 1: Amount: 234.136

Method	Result
Round	234.14
Raise	234.14
Cutoff	234.13

Example 2: Amount: 234.134

Method	Result
Round	234.13
Raise	234.14
Cutoff	234.13

Example 3: Amount: 234.1319999

Method	Result
Round	234.13
Raise	234.14
Cutoff	234.13

Note

The system rounds only calculated amounts (calculated fees, calculated payment, and so on) and not user-entered amounts.

Rate Attributes

The system supports the rounding of the index rate to keep the rate calculation as simple as possible for the customers. The general practice is to round the rate to nearest eighth (1/8th) (to keep the index rate in the multiple of .125) or fourth (1/4th) (to keep the index rate in the multiple of 25). The system rounds only the index rate and not the margin or final rate.

Note

Index rounding does not apply to fixed rate .

Appendix C: System Parameters

C.1 Introduction

System defined parameters help in configuring system specific data, User-access, location of system files; reports related URLs and other administration controlled data. These are essential to be configured during installation and some of them by nature of application will have to be reviewed and maintained in a regular and periodic manner.

Following are the types of parameters are used in OFSLL system depending on the areas of the system that these would apply and impact:

- [System Parameters](#)
- [Organization Parameters](#)
- [Company Parameters](#)
- [Other Parameters](#)

Note

All the above parameters can be controlled (enabled/disabled) only by System Administrators, and users with Admin/Super User privileges who would be involved in setting-up OFSLL system.

C.2 System Parameters

System parameters apply to the entire system. They relate to the overall processing of the system like application server file locations, data purging configurations and so on. Table below details the list of system parameters with their description and pre-defined values.

Parameter	Description
ACA_DLQ_AMT_EXCLUDED	This parameter is used to exclude delinquency amount for account ACH
ACA_PAYMENT_AUTO_LOAD	This parameter is used to control posting directly from the ACH file that has been created for customer payments. Input parameter value is Boolean (Yes/No). If the parameter is set to 'Y', the system automatically creates payment batches for the payments in the ACH file and posts them on the day of payment.
ACA_PRENOTE_DAYS	This parameter is used to define the number of days the prenote should be initiated for customer ACH (Automated Clearing House) accounts. Input parameter value is numeric.
ACA_PRE_PROCESS_DAYS	This parameter is used to specify the number of days before draft day for Account ACH process. Input parameter value is numeric.
ACH_PAYEE_PRENOTE_DAYS	This parameter is used to define the number of days for prenote to occur for Producer or Vendor ACH accounts. Input parameter value is numeric

Parameter	Description
ADMIN_SERVER_URL	This parameter is used to define the admin server URL
ADR_DIRECTORY	This parameter is used to define the Oracle Directory Object Name for ADR file location
ADR_PROCESSED_DIRECTORY	This parameter is used to define the Oracle Directory Object Name for ADR file location
AGE_APPROVED_CONDITIONED_DAYS	This parameter is used to specify the number of days by which an application in 'Approved' or 'Conditioned' status is treated as Aged Application. Input parameter value is numeric with no upper limit.
AGE_CONTRACT_DAYS	This parameter is used to specify the number of days by which a contract is treated as Aged Contract. Input parameter value is numeric with no upper limit.
ASC_COL_SER_ENABLED_IND	This parameter is used as the Collection Servicing Enabled Indicator
CAC_DIRECTORY	This parameter is used to define the Oracle Directory Object Name for CAC file location
CAC_PROCESSED_DIRECTORY	This parameter is used to define the Oracle Directory Object Name for CAC file location
CHECK_PRINT_PREVIEW	Using this parameter we can allow preview of application in pdf form before printing. Input parameter value is Boolean (Yes/No).
CMN_AMOUNT_ROUND_FACTOR	This parameter is used to define the rounding factor for applicable fields (in this case calculated amounts). Input parameter value is 'ROUND AMOUNT TO 2 DECIMALS'. Currently system supports rounding factor 2 only.
CMN_AMOUNT_ROUND_METHOD	This parameter is used to define the amount round method during system set-up and would be applicable for all calculated amounts (calculated fees, payment etc.) across the application. Input values are ROUND, RAISE and CUTOFF: ROUND: Rounded to nearest number higher or lower RAISE: Rounded to the nearest higher number CUTOFF: Truncate the digits without rounding or raising
CMN_APP_ACC_TITLE_FN_LN	This parameter is used to set the Application or Account title in one of the formats – First/Last Name or Last/First Name. Input parameter value is Boolean (Yes/No). If Yes is chosen, title would be in the format – First/Last Name, else the other option.
CMN_APP_SERVER_HOME	This parameter is used to set the Application Server Home Directory. Input parameter value is user defined.
CMN_CURRENT_MODEL_YEAR	This parameter is used to default the Current Model Year.
CMN_DEBUG_LEVEL	This is the Common Debug Level

Parameter	Description
CMN_DEBUG_METHOD	This parameter allows to define the location to which generic debug logs (other than Alert/Warning and GRI) are to be written. If set to 'ADVANCE_QUEUE', system writes the logs in Logs table and if set to 'UTL_FILE', system generates the alert log file.
CMN_- FILE_PROCESS_TO_LOB	This parameter allows to define the location from where the incoming or outgoing files/documents are to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE. The same is used by the batch jobs available in SET-IFP (input file processing) Batch Job Set.
CMN_GL_POST_DT	This parameter is used to specify the General Ledger Posting date. If scheduler is enabled, it automatically updates this to current system date. Else Admin User would need to set this date manually to ensure correct posting dates in GL.
CMN_HTTP_PROXY- Y_PORT	This parameter is enabled to specify the port to be used for outgoing HTTP connections. Input parameter value is user defined.
CMN_HTTP_PROXY_- SERVER	This parameter is enabled to specify the proxy server to be used for outgoing HTTP connections. Input parameter value is user defined. There exists an interdependency of this parameter with CMN_HTTP_PROXY_PORT mentioned above.
CMN_INT_360_ACCRU- AL_DAYS_MTHD	This parameter is used to specify the interest accrual method for 360 days, to be used by the System for all calculations with interest. Currently two methods are supported. Input parameter value is 'US' or 'EU' representing American and European method of interest accrual for 360 days.
CMN_TEST_TOOL_LOG- GING	This parameter is used to set testing tool logging parameter
CMN_SCHEMA_ID	This is used to specify the schema identifier for all users.
CMN_SCHEMA_NAME	This is used to specify the Oracle User Name for a specific schema. Input parameter value is user defined.
CMN_SCHEMA_PASS- WORD	This captures the password for Oracle, for the specific schema. Input parameter value is user defined. This parameter need not be enabled when in Oracle Network.
CMN_SERVER_HOME	This parameter captures the Server Home Directory. Input parameter value is user defined.
CMN_- SERVER_TEMP_DIR	This parameter is used to specify the temporary directory on the server along with the path. Input parameter value is user defined.

Parameter	Description
CMN_SER_ENVIRONMENT_FILE	This parameter captures the environment file (and its path) for running the Operating System commands from Job Service. Input parameter value is user defined.
CMN_WALLET_PASSWORD	This parameter is used to specify the common wallet password. Input parameter value is user defined.
CMN_WALLET_PATH	This parameter is used to specify the common wallet path for oracle database. Input parameter value is user defined.
CPP_NO_OF_PROMISES	This parameter is used to define the maximum number of promises/chances allowed for a customer who is delinquent and promises to pay. Input parameter value is numeric with no upper limit.
CPP_PROMISE_HELD_DAYS	This parameter is used to define the maximum number of days after the promises made by the customer to pay are broken to initiate further actions. Input parameter value is numeric with no upper limit.
CRD_CHS_BIN	This parameter holds the value of the credit card BIN (Bank Identification Number for Credit Cards), for CHASE interface. Input parameter value is user defined. (P.S: OFSLL supports CHASE interface for credit card payments processing)
CRD_CHS_CUR_CODE	This parameter is used to specify the currency code of the transacting currency for CHASE interface. Input parameter value is user defined.
CRD_CHS_DIR_PATH	This parameter is used to specify the directory path for CHASE payment interface for Credit Cards. Input parameter value is user defined.
CRD_CHS_IND_TYPE	This is used to specify the industry type for CHASE payment interface for Credit Cards. Input parameter value is user defined.
CRD_CHS_MERCHANT_ID	This captures the merchant ID number for CHASE payment interface for Credit Cards. Input parameter value is user defined.
CRD_CHS_REMOTE_HOST_NAME	This captures the remote host name for seeking approvals for CHASE payment interface. Input parameter value is user defined.
CRD_CHS_SEC_REMOTE_HOST_NAME	Similar to the previous parameter this captures the secondary remote host name of CHASE interface for seeking approvals for credit card payments. Input parameter value is user defined.
CRD_CHS_TIMEOUT	This parameter is used to define the timeout limit when polling the interface for processing credit card payments. Input parameter value is numeric.

Parameter	Description
CRD_CHS_USR_ID	This parameter captures the user id for CHASE interface which is required whenever the System needs to access/seek authorizations/process payments for credit cards etc. Input parameter value is user defined.
CRD_PTB_REMOTE_HOST_NAME	This is the Protobase Remote Host Name
CRD_PTB_REMOTE_HOST_PORT	This is the Protobase Remote Host Port
CRD_PTB_TIMEOUT	This is the Protobase Timeout Value
CRD_SOURCE_TYPE_CD	This is the Source Type Code
DDT_CREATE_DUE_DATE_HISTORY	This parameter must be enabled to create a due date history for any account. Due date history sub tab under Transaction history displays the delinquency history of an account in a tabular format detailing Due date, Due Amount, Last Payment date, Payment Amount, Balance Amount, Days past due and Payment received flag. The input parameter value for this parameter is Boolean (Yes/No).
DECISION_BUY_RATE_TOLERANCE	This parameter is used to define the variance in buy rate
EDF_DIALER_ACCT_TYPE	This parameter is used to set up the account number reference for the dialer file to pick-up records for Auto dialer interface. Input parameter value is account number.
FLL_BPEL_PROCESS	This parameter is set to use BPEL process in OFSLL. Input parameter value is Boolean (Yes/No).
ICA_INPUT_FILE_FORMAT	This parameter is used to define the input call activity file format
IFD_DIRECTORY	This parameter is used to define the Oracle directory object name for IFD file location
IFD_PROCESSED_DIRECTORY	This parameter is used to define the Oracle directory object name for IFD file location
INCOMING_LOB_PURGE_DAYS	This parameter is used to define the incoming process file table purge days
INPUT_DIRECTORY	This parameter is used to define the Oracle directory object name for INPUT file location
ITU_DIRECTORY	This parameter is used to define the Oracle directory object name for ITU file location
ITU_PROCESSED_DIRECTORY	This parameter is used to define the Oracle directory object name for ITU file location
IVR_DIRECTORY	This parameter is used to define the Oracle directory object name for IVR file location

Parameter	Description
IVR_PROCESSED_DIRECTORY	This parameter is used to define the Oracle directory object name for IVR file location
JSC_TIMEOUT	This parameter is used to set the polling interval for job scheduler. Input parameter value is numeric. To check whether it represents minutes/seconds.
JSV_ARCHIVE_SERVER_CONFIG	This parameter is used to set the configuration file for reports archive server. Input parameter value is user defined.
JSV_ARCHIVE_SERVER_URL	This parameter is used to specify the archive server url. Input parameter value is user defined.
JSV_BI_PASSWORD	This parameter is used to define the BI Publisher Password
JSV_BI_USER	This parameter is used to define the BI Publisher User ID
JSV_TEMPORARY_DIRECTORY	This parameter is used to define Oracle directory object name for Job Service Temp file location
JSV_BI_PASSWORD-JSV_REPORTS_RUNTIME	This parameter is to specify the reports runtime program. Input parameter value is user defined.
JSV_REPORTS_RUNTIME_CMDFILE	This parameter is used to specify the reports runtime command file. Input parameter value is user defined.
JSV_REPORTS_SERVER_CONFIG	This parameter is used to specify the configuration file for reports server. Input parameter value is user defined.
JSV_REPORTS_SERVER_URL	This is used to specify the URL for the reports server. Input parameter value is user defined.
JSV_REPORT_ARCHIVE_DIRECTORY	This is used to specify the path and directory of Reports archive, input parameter value being numeric.
JSV_SMTP_SERVER	This parameter specifies the SMTP server used by job service for sending email messages. Input parameter value is user defined.
JSV_TIMEOUT	This is to specify the polling interval for the job service during time out. Input parameter value is numeric. To check whether it represents minutes/seconds.
JSV_USE_BI_PUBLISHER	This parameter defines whether BI publisher should be used to process reports are not. Input parameter value is Boolean (Yes/No).
JSV_USE_REPORTS_SERVER	This parameter is used to specify whether reports server from job service should be used or not. Input parameter value is Boolean (Yes/No).
LBX_TXN_GROUPING_CNT	This parameter is used to specify the no. of records per batch for payment transactions and lock box batch records. Input parameter value is numeric.

Parameter	Description
LCO_COL_LET- TER1_GEN_DAYS	This parameter specifies the number of days post which first collection letter should be generated for accounts with dues unpaid. Input parameter value is numeric.
LCO_COL_LET- TER2_GEN_DAYS	This parameter specifies the number of days post which second collection letter should be generated for accounts with dues unpaid. Input parameter value is numeric.
LCO_COL_LET- TER3_GEN_DAYS	This parameter specifies the number of days post which third collection letter should be generated for accounts with dues unpaid. Input parameter value is numeric.
LIEN_RELEASE_DAYS	This parameter is used to define the Lien Release Days
LOCKBOX_DIRECTORY	This parameter is used to define the Oracle directory object name for Lockbox file location
LOCKBOX_PRO- CESSED_DIRECTORY	This parameter is used to define the Oracle directory object name for processed Lockbox file location
LOR_ADVERSE_AC- TION_GEN_DAYS	This parameter is used to specify the number of days after the third collection letter post which the adverse action letter is to be generated. Input parameter value is numeric.
LOG_LOB_PURGE_DAYS	This parameter is used to log files header table purge days
MAX_AGED_TXN_AU- THORIZE_DAYS	This parameter is used to specify the maximum number of days within which a transaction should be authorized. Input parameter value is numeric and represents the number of days.
MAX_VOID_TXN_AU- THORIZE_DAYS	This parameter is used to set the maximum days to authorize transaction
OCP_CUSTOMER_P- MT_SITE_ID	This parameter is used to set the customer payment extract file site id
OCP_IN- CLUDE_ACH_ACC	This parameter is used to set the customer payment extract including ach accounts
OUTGO- ING_LOB_PURGE_DAYS	This parameter is used to define the outgoing process file table purge days
OUTPUT_DIRECTORY	This parameter is used to define Oracle directory object name for OUTPUT file location
PAC_ARCHIVE_DAYS	This parameter is used to define number of days for periodic archiving of account. Input parameter value is numeric.
PAC_OARCHIVE_DAYS	This parameter is used to define the number of days for archiving accounts from 'O' tables i.e. old tables. Input parameter value is numeric
PAP_ARCHIVE_DAYS	This parameter is used to define the number of days for archiving applications on a periodic basis. Input parameter value is numeric.

Parameter	Description
PAP_OARCHIVE_DAYS	This parameter is used to define the number of days for archiving applications from 'O' tables. Input parameter value is numeric.
PCU_CHECK_REFUND_DAYS	This parameter is used to specify the maximum number of days within which an overpayment from the customer can be refunded. Input parameter value is numeric.
PDC_PRE_PROCESS_DAYS	This parameter value will define the number of days prior to the due day, regular account PDC process should be initiated. Input parameter value is numeric.
PENDING_PDC_DAYS	This parameter value will define the number of days before the initiation day for pending PDC accounts.
PGL_ARCHIVE_DAYS	This parameter defines the number of days, post which the transactions in GL would be archived. Input parameter value is numeric
PGL_OARCHIVE_DAYS	This parameter is used to define the number of days, post which the transactions in GL will be moved to the 'O' tables. Input parameter value is numeric.
PJR_PURGE_DAYS	This parameter is used to specify the days post which the job requests are to be purged. Input parameter value is numeric.
POD_PURGE_DAYS	This parameter is used to define the number of days after which the Output data file headers are to be purged. Input parameter value is numeric.
PPA_ARCHIVE_DAYS	This parameter is used to specify number of days after which pools and its transactions archiving is to be done to 'O' tables. Input parameter value is numeric.
PPA_OARCHIVE_DAYS	This parameter is used to specify number of days after which pools and its transactions archiving is to be done to 'OO' tables. Input parameter value is numeric
PPR_ARCHIVE_DAYS	This is used to specify the days for archival of producers details on a regular basis. Input parameter value is numeric.
PPR_OARCHIVE_DAYS	This is used to specify the days after which the producers details from 'O' tables need to be archived. Input parameter value is numeric.
PPX_ARCHIVE_DAYS	This is used to specify the days after which producer transactions are to be archived. Input parameter value is numeric.
PPX_OARCHIVE_DAYS	This is used to specify the days after which the producer transactions are to be moved from 'O' tables. Input parameter value is numeric.
PJR_COPY_PURGED_DATA	This parameter is used to copy data into purge tables

Parameter	Description
PST_ARCHIVE_DAYS	This parameter specifies the number of days for which the statements are to be archived. Input parameter value is numeric.
PST_OARCHIVE_DAYS	This parameter specifies the number of days for which the statements are to be archived in the 'O' tables. Input parameter value is numeric.
PTT_PURGE_DAYS	This is used to specify the number of days after which the PTT table is to be purged. Input parameter value is numeric.
PTX_ARCHIVE_DAYS	This parameter is used to specify the number of days the transactions are to be archived. Input parameter value is numeric.
PTX_OARCHIVE_DAYS	This parameter is used to specify the number of days after which the archived transactions from 'O' tables are to be moved. Input parameter value is numeric.
PUL_PURGE_DAYS	This parameter is used to specify the number of days post which the User login details are to be purged. Input parameter value is numeric.
PVA_ARCHIVE_DAYS	This parameter stores the number of days for archival of regular vendor assignments. Input parameter value is numeric.
PUP_ARCHIVE_DAYS	This parameter stores the number of days for archival of transaction upload. Input parameter value is numeric
PUP_OARCHIVE_DAYS	This parameter is used to specify the number of days after which the archived transactions from 'O' tables are to be moved. Input parameter value is numeric
PVA_OARCHIVE_DAYS	This parameter value specifies the number of days for archival of vendor assignments from 'O' tables to 'OO' tables. Input parameter value is numeric.
PVI_ARCHIVE_DAYS	This parameter is used to specify the number of days for which the regular vendor invoices are to be archived. Input parameter value is numeric.
PVI_OARCHIVE_DAYS	This parameter is used to specify the number of days post which the regular vendor invoices are to be moved from 'O' tables to 'OO' tables. Input parameter value is numeric.
RAC_LOAD_FREQUENCY	This parameter is used to specify Accounts RDH Load Frequency
RAP_LOAD_FREQUENCY	This parameter is used to specify Applications RDH Load Frequency
RAT_LOAD_FREQUENCY	This parameter is used to specify Asset Tracking RDH Load Frequency

Parameter	Description
RBK_LOAD_FREQUENCY	This parameter is used to specify Bankruptcy Details RDH Load Frequency
RCA_LOAD_FREQUENCY	This parameter is used to specify Call Activities RDH Load Frequency
RCH_LOAD_FREQUENCY	This parameter is used to specify Deficiency Details RDH Load Frequency
RCO_LOAD_FREQUENCY	This parameter is used to specify Contracts RDH Load Frequency
RFO_LOAD_FREQUENCY	This parameter is used to specify Repo-Foreclosure RDH Load Frequency
RPR_LOAD_FREQUENCY	This parameter is used to specify Producers Rdh Load Frequency
RST_LOAD_FREQUENCY	This parameter is used to specify Setup Data RDH Load Frequency
RTX_LOAD_FREQUENCY	This parameter is used to specify Txns RDH Load Frequency
SALESAGENT_MAIL_SEND_IND	This parameter is used to specify whether decision fax needs to be sent to sales agent (yes/no)
SCORING_PARAMETER_ALERT	This parameter is used to set the scoring parameter alert
SQL_DIRECTORY	This parameter is used to set the Oracle directory object name for SQL file location
TES_ANA_PRE_PROCESS_CYCLES	This parameter is used to specify the pre-process cycles required for Escrow analysis. Input parameter value is numeric.
TES_DSB_ANALYSIS_PERCENT	This parameter is used to specify the percentage for escrow disbursements. Input parameter value is numeric.
TES_DSB_PRE_PROCESS_DAYS	This is used to specify the number of days for pre-process for escrow disbursements. Input parameter value is numeric.
TPE_AMORTIZE_ACCRUED_INT_ONLY	This parameter is used to specify that system has to amortize accrued interest at month end
TPE_APPLY_LTC_FROM_CURR_DUE_DT	This parameter is used for pyramid law fee method to apply late charge from current due date
TPE_ESC_ANALYSIS_DELQ_AMT	Parameter considers billed but uncollected amount for escrow analysis
TPE_EXCESS_PAYMENT_TO_MEMO	Excess payment on the account will be moved to memo payment.

Parameter	Description
TPE_EXCLUDE_ESC_LTC	This parameter defines whether escrow should be included or excluded while calculating late charge. Input parameter value is Boolean (Yes/No).
TPE_EXT_CY- CLES_BACKDATED	This parameter is used to define the maximum extension cycles allowed for back dating. Input parameter value is numeric with no upper limit
TPE_FUTURE_PAYOFF_- DAYS	The value specified in this parameter validates the 'Valid Up to Date' with 'Payoff quote' during monetary transactions posting.
TPE_GL_RE- FUND_HOLD_DAYS	This parameter is used to define the number of days the non-refunded amount can be held in GL. Input parameter value is numeric.
TPE_MAX_CY- CLES_BACKDATED	This parameter is used to define the maximum cycles that are allowed for back dating in OFSLL. Input parameter value is numeric.
TPE_MIN_1098_INT_AMT _PAID	This parameter is used to specify the lower limit or minimum interest amount paid for 1098 i.e. Mortgage Interest Statement. In the US, FIs need to report mortgage interest of \$600 or more received from individuals, during the course of their business. Input parameter value is 600, the minimum value above which reporting by FI is required in form 1098 for each mortgage account.
TPE_OLDEST_- DUE_DT_NEW_MTHD	This parameter is enabled to specify whether new method for calculation of oldest due date based on given data should be used or not. Input parameter value is Boolean (Yes/No).
TPE_PAID_TO_CLOSE_- DAYS	This parameter is used to specify the number of days allowed post which a paid account would be closed. Input parameter value is numeric.
TPE_PAYMENT_TO_- MULTI_ACCOUNTS	This parameter is enabled to allow one payment for dues in multiple accounts. Input parameter value is Boolean (Yes/No).
TPE_PAYOFF_VAL- ID_THRU_DAYS	This parameter is used to specify the number days the pay-off quote is valid by default. i.e. if the parameter is set as 7, the payoff quote is valid for 7 days and customer can pay the quoted amount as final closure amount within those days. Input parameter value is numeric.
TPE_PMT_POST_EOD	This parameter is used to allow payments when the batch process for End of Day is running. Input parameter value is Boolean (Yes/No). If this is set to 'Y', payments can be allowed during EOD.
TPE_SCHGOFF_DLQ_- DAYS	This parameter is used to define the number of delinquent days to treat an account for SCHGOFF (charge – off). Input parameter value is numeric. (To verify)

Parameter	Description
TPE_SCHGOFF_REVIEW_DAYS	This parameter is used to define the number of days allowed for review of SCHGOFF accounts. Input parameter value is numeric.
TPE_SCRA_DEFAULT_INTEREST_RATE	This parameter is used to define the default interest rate that is to be applied for customers who are in military duty. OFSLL will apply the lower of the prevailing interest rate or SCRA default interest rate specified through this parameter. Input parameter value is numeric (in this case 6, which is interest rate to be applied for SCRA accounts).
TPE_SHOW_BACKDATE_WARNING	This parameter is used to define whether a warning message is to be shown if monetary transaction is backdated
TPE_STMT_INC_ALL_TXNS	This parameter is enabled to define whether all transactions should be included in the statements or otherwise. Input parameter value is Boolean (Yes/No).
TPE_STOP_COMP_DELQ_DAYS	This parameter is used to stop computation when delq days > 60
TPE_TXN_POST_DEFAULT_GLDATE	This parameter is used to default GL date in date type parameters during txn posting (y/n)
TPE_VOID_TO_CLOSE_DAYS	This parameter is used to define the number of days allowed for closing Void accounts. Input parameter value is numeric.
UIX_DEFAULT_IMAGE_PATH	This parameter is used to define the default image directory maintained for the purpose of online attachment of document images to an application using documents maintenance section under Account documentation. Input parameter value is user defined.
UIX_DIRECT_LOAN_COMBO_ULN_UFN	This parameter when set to yes allows underwriting and funding to be carried on by a single responsibility for direct loans only. Input parameter value is Boolean (Yes/No).
UIX_INCOMING_FILE_PATH	This parameter is used to specify incoming file path of app server
UIX_LOCAL_COUNTRY_CD	Through this parameter we can set the local country where an FI has multiple branches across different geographies. Input parameter value is user defined.
UIX_LOCK_UNLOCK_AND_COPY	This parameter is used to enable the user interface lock / unlock and copy features. Input parameter value is Boolean (Yes/No).
UIX_MAX_ACC_SEARCH_ROWS	This parameter is used to specify the maximum number of account rows to be returned for search functionality. Input parameter value is numeric.
UIX_MAX_APP_SEARCH_ROWS	This parameter is used to specify the maximum number of application rows to be returned for search functionality. Input parameter value is numeric.

Parameter	Description
UIX_OUTGOING_FILE_PATH	This parameter is used to specify outgoing file path of app server
UIX_REPORTS_SERVER_CONFIG	This parameter can be used to specify the user interface reports server configuration file. This is not required for OFSLL.
UIX_REPORTS_SERVER_URL	This parameter sets the URL for Reports server. Input parameter value is user defined.
UIX_SHOW_LN_VARIABLE_RATE_TABS	This parameter can be used to show loan variable rate tabs. Input parameter value is Boolean (Yes/No). This is not required for OFSLL.
UIX_UTILITIES_SERVLET_URL	This parameter can be used to specify the User Interface utilities servlets URL. This is not required for OFSLL.
UPR_PRO_NBR_SYS_GENERATED	This parameter can be used to specify whether producer number should be system generated or seek input from user. Input parameter value is Boolean (Yes/No). Generally this is set to yes for system generation.
VEV_NADA_TOKEN_URL	This parameter is used to set the token URL for vehicle evaluation interface NADA. Input parameter value is user defined.
VEV_NADA_UPDATE_DAY	This parameter is used to specify the day of the month to update the vehicle evaluations every month. Input parameter value is numeric.
VEV_NADA_URL	This parameter is used to set the URL for vehicle evaluation interface NADA. Input parameter value is user defined.
VEV_NADA_USER_ID	This parameter is used to specify the User id for login to the NADA interface. Input parameter value is user defined.
VEV_NADA_USER_PASSWORD	This parameter is used to specify the password for login to the NADA interface. Input parameter value is user defined.
VEV_VALUATION_REGION	This parameter is used to define the default region for vehicle evaluation. Input parameter value is the region name, and is user defined.

Parameter	Description
VEV_VALUATION_ SOURCE_CD	<p>This parameter is used to specify the default vehicle evaluation source code. Input parameter value is user defined. A number of parameters are possible in OFSLL as below:</p> <ol style="list-style-type: none"> 1.Appraisal Company 2.Broker 3.BUC GUIDE 4.DATA QUICK 5.NAMS/SAMS SURVEY – USED 6.REALTOR 7.NADA INTERFACE USED CARS 8.BLACKBOOK INTERFACE USED CARS 9.KELLY INTERFACE 10.NADA – NEW 11.NADA – USED 12.KELLY NEW BLUE BOOK 13.KELLY USED BLUE BOOK 14.INVOICE 15.BLACK BOOK 16.NADA INTERFACE COMMERCIAL TRUCKS 17.COMPANY INVOICE 18.GOLD BOOK 19.GALVS 20.OTHER 21.ALG
WFP_DIRECTORY	This parameter is used to specify the Oracle directory object name for WFP file location
WFP_MAX_CY- CLES_BACKDT	This parameter is used to specify the back dated cycles date for WFP.
WFP_PROCESSED_DI- RECTORY	This parameter is used to define oracle directory object name for wfp file location.
WFP_REVERSE_TX- N_IND	This parameter is enabled to define the WFP reversal indicator. Input parameter value is Boolean (Yes/No).
XAE_DEALUPD_MAX_AL- LOWED_DAYS	This parameter is used to define the max allowed days for Deal Update
XAE_DEALUPD_AL- LOWED_IND	This parameter is used to indicate whether deal update is allowed or not
OUTBOUND_CALL_Q	This parameter is used to generate reports (including emailing statements/letters) using Application Server instead of Database server.
ACA_PRE_PROCESS_ DAYS_FIRST	This parameter is used to configure the number of days before the debit day for ACH process in first time/ one-time case
IPR_PROCESSED_DI- RECTORY	This parameter is used to define the Oracle directory object name for processed IPR file location
IPR_DIRECTORY	This parameter is used to define the Oracle directory object name for IPR file location

Parameter	Description
UIX_PWD_MGMT_EXTERNAL_URL	This parameter is used to set external password management url, if applicable
UIX_PWD_MGMT_EXTERNAL	This parameter is used to define the parameter if password management is external. (SET Y IF PASSWORD MANAGEMENT IS EXTERNAL (Y/N)).
ICU_PROCESSED_DIRECTORY	This parameter is used to define the Oracle directory object name for processed ICU file location
ICU_DIRECTORY	This parameter is used to define the Oracle directory object name for ICU file location
UIX_BILL_CYCLE_ALLOWED_IND	This parameter is used to indicate whether Billing cycle is allowed at the application level
CMN_EOD_SLEEP_MINS	This parameter is used to set in minutes the EOD sleep time
CMN_CORE_BANK_TXN_CD	This parameter is used to set code for OFSLL and Core Banking integration
UIX_DIRECT_DISB_MANUAL_SELECT	This parameter will allow manual selection of disbursement mode for direct loans
ICC_DLQ_AMT_EXCLUDED	This parameter enabling will exclude delinquency amount for CASA account
CMN_CORE_BANK_IND	This parameter is used to set whether OFSLL can integrate with Core Banking.
BKRP_FILE_REC_LIMIT	This parameter is used to set the limit of total number of records allowed to be added in the 'Input Data File' shared from external interface. Note: if the number of records exceeds the set limit, multiple 'Input Data Files' are to be created.
UVN_VEN_NBR_SYS_GENERATED	This parameter is used to validate if 'Vendor Number' has to be auto generated (if set to Y) or to be specified manually in the Vendor details screen.
METRO_WITHOUT_COLL_IND	This parameter indicates whether Metro II reporting is handled without OFSLL Collections module being used. If the parameter value is set as 'Y' i.e. collection module is not used, system updates the collateral status directly as part of 'REPO' call activity. However when Collections module is being used, the Collateral status is tracked with the repossession details updated in 'Repo/Foreclosure' screen of Collections module.

Parameter	Description
METROII - FIRST_DELQ_DT_ADD - DAY	<p>This parameter is used to calculate the first delinquency date that needs to be reported in the Metro II reporting file.</p> <p>By default the parameter is 'disabled' indicating that the initial delinquency date calculated by the system is used for Metro II reporting. The same needs to be enabled to add the parametrized number of days to the system calculated first delinquency date for the Metro II reporting purpose.</p>
DAYS_TO_PULL_CR- B_REPORT	<p>This parameter is used to configure the number of days permitted to pull a Bureau report from the same company and for the same customer.</p>
XWS_ACS_RESP - MULTI_RECORD_IND	<p>This parameter is used to indicate if multiple records exist in the response file received for account search.</p> <p>Accordingly, when there are multiple records found and this parameter is enabled and set to 'No' (default), system displays an error message "Too Many Records Found. Please Refine Search by Adding One More Parameter"</p> <p>However, when this parameter is set to 'Yes', system only indicates that there are multiple records/rows in response file.</p>
GRI_DLQ_DAYS_AU- TO_STATUS_CHG	<p>This parameter is used to define the delinquency days which inturn is used to automatically update the status of a work order to 'PENDING ON HOLD' status.</p>
TPE_PMT_POSTING - CLS_ACCOUNT	<p>This parameter is used to define the payment posting criteria for Closed - Paid Off/ Charged-off accounts.</p> <p>Accordingly, OFSLL accepts payment posting on closed accounts only when the parameter is set to 'Y' and all the payments received through Payment Entry screen or 'Payment Upload' file are posted to a 'Suspense' account.</p>
TPE_BACKDT_P- MT_POSTING	<p>This parameter is used to define the payment posting criteria for backdated payments for the following type of account conditions:</p> <ul style="list-style-type: none"> - Paid off - Charged-off - Account under activation - Account under conversion - Non-performing Account - PC2 SI (Pre-computed to Simple Interest) Reschedule <p>Accordingly, OFSLL accepts backdated payment posting only when the parameter is set to 'Y' and all the payments received through Payment Entry screen or 'Payment Upload' file are posted to a 'Suspense' account.</p>

Parameter	Description
EXP_PA - SOFT_PULL_IND	This parameter when enabled allows 'Soft Pull' Credit Bureau request, specifically for Experian Premier Attribute Consumer Report without impacting the consumer FICO score.
PMT_BATCH_POSTING	This parameter (PAYMENT BATCH POSTING PREFERENCE) is used to define the status of payment transactions which are uploaded in bulk through a batch process.
POOL_ACTIVE_ACCOUNTS_ONLY	This parameter controls the type of accounts that can be added to a Securitization Pool and allows adding only 'Active' status accounts since the same is enabled (value set to 'Y') by default. To add accounts with other status such as Active, Paid Off, Charged Off, Void, Terminate. and so on, set the value of system parameter to 'N'.
AUTO_GEN_ACC_NBR_CONV	This parameter is used for conversion accounts to decide option of account number generation. If the value of parameter is set to 'Y' the account number is automatically generated in OFSLL during conversion and if the value is 'N', then external reference number (generated in third party system) itself is appended as the account number.
OUTBOUND_DL- R_TRACK_Q	<p>This parameter defines the settings for batch job 'SET_XPR' to either use MDB (Message Driven Bean) flow (if value set to 'Y') or existing work flow (if value set to 'N') to dump producer details maintained in the system into Dealer Track.</p> <p>MDB flow generates outbound JMS message though the configured MDB interface and can avoid current database outbound calls and session timeout.</p> <p>In the existing workflow, the database makes synchronous outbound calls to producer data dump web service, to dump the data and acknowledge the database with the status (success or failure).</p>
OUTBOUND_ROUTE- ONE_Q	<p>This parameter defines the settings for batch job 'SET_XPR' to either use MDB (Message Driven Bean) flow (if value set to 'Y') or existing work flow (if value set to 'N') to dump producer details maintained in the system into ROUTEONE.</p> <p>MDB flow generates outbound JMS message though the configured MDB interface and can avoid current database outbound calls and session timeout.</p> <p>In the existing workflow, the database makes synchronous outbound calls to producer data dump web service, to dump the data and acknowledge the database with the status (success or failure).</p>

Parameter	Description
GRI_WEBSER- VICE_LOG_IND	This parameter is used to decide on logging GRI (Generic Recovery Interface) communications. If enabled, system logs all the GRI related web service communications between OFSLL and external interfaced system. The recorded logs can be viewed in Dashboard > System Monitor > Database Server Log Files tab by selecting 'Interfaces' view option.
PVE_ARCHIVE_DAYS	This parameter stores the number of days for archival of regular vendors. Input parameter value is numeric.
PVE_OARCHIVE_DAYS	This parameter is used to specify the number of days post which the regular vendors are to be moved from 'O' tables to 'OO' tables. Input parameter value is numeric.
LBX_DR_CR_VALID- DATE_AMT_IND	This parameter (VALIDATE LOCKBOX DR/CR BATCH TOTALS) is used to facilitate NACHA file validation. Based on the status of the parameter, system is either allowed to validate the file or process without validation.
PAP_PURGE_DAYS	This parameter allows to define the number of days after which the application data from archival folders are to be deleted permanently. Purging happens based on elapsed number of days i.e. if value is set to 60 days, only those records which are older by 60 days in archival folder are deleted.
PAC_PURGE_DAYS	This parameter allows to define the number of days after which the accounts data from archival folders are to be deleted permanently. Purging happens based on elapsed number of days i.e. if value is set to 60 days, only those records which are older by 60 days in archival folder are deleted.
CMN_SED_- FILE_PROCESS_TO_LOB	This parameter allows to define the location from where the incoming or outgoing seed data is to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE.
CMN_EDF_- FILE_PROCESS_TO_LOB	This parameter allows to define the location from where the incoming or outgoing data from Dialer Interface is to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE. The same is used by the batch jobs EDFADR_BJ_100_01 and EDFIVR_BJ_100_01 which are available in SET-EDF Batch Job Set.
CMN_FAX_- FILE_PROCESS_TO_LOB	This parameter allows to define the location from where the incoming or outgoing Fax data is to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE.

Parameter	Description
CMN_RED_- FILE_PROCESS_TO_LOB	<p>This parameter allows to define the location from where the outgoing details of Data Masking Policy (i.e. Redaction policy output file) is to be processed. If set to 'Y', system processes the data from LOB and if set to 'N', system processes the data from FILE.</p> <p>The same is used by the batch job REDPRC_BJ_100_01 available in SET-RED Batch Job Set.</p>
CMN_WFP_- FILE_PROCESS_TO_LOB	<p>This parameter allows to define the location from where the incoming or outgoing WFP Unit details are to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE.</p> <p>The same is used by the batch job WUPPRC_BJ_132_01 available in SET-WFP Batch Job Set.</p>
CMN_AUD_- FILE_PROCESS_TO_LOB	<p>This parameter allows to define the location from where the outgoing Audit scripts are to be processed. If set to 'Y', system processes the data from LOB and if set to 'N', system processes the data from FILE.</p>
CMN_LBT_- FILE_PROCESS_TO_LOB	<p>This parameter allows to define the location from where the incoming or outgoing Lockbox files are to be processed. If set to 'Y', system processes the data to/from LOB and if set to 'N', system processes the data to/from FILE.</p> <p>The same is used by the batch jobs LBXPRC_BJ_100_01 and LBXSEP_BJ_100_01 available in SET-LBT Batch Job Set.</p>
CMN_ODD_- FILE_PROCESS_TO_LOB	<p>This parameter allows to define the location from where the outgoing ODD or Output Data Dump files are to be processed. If set to 'Y', system processes the data from LOB and if set to 'N', system processes the data from FILE.</p> <p>The same is used by the batch job ODDPRC_BJ_000_01 available in SET-ODD3 Batch Job Set.</p>
CMN_ALERT_DE- BUG_METHOD	<p>This parameter allows to define the location to which Alert and Warning logs are to be written. If set to 'ADVANCE_QUEUE', system writes the logs in Logs table and if set to 'UTL_FILE', system generates the alert log file.</p>
CMN_GRI_WS_DE- BUG_METHOD	<p>This parameter allows to define the location to which GRI (Generic Recovery Interface) web service logs are to be written. If set to 'ADVANCE_QUEUE', system writes the logs in Logs table and if set to 'UTL_FILE', system generates the log file.</p>

Parameter	Description
UIX_CUSTOM- ER_BASED_PMT_IND	<p>If this parameter is set to 'Y' and is 'Enabled', system accepts posting direct payment to an account and also accepts customer based payments to all linked accounts.</p> <p>To facilitate customer based payments, 'Customer/Business #' and 'Payment Hierarchy' fields along with 'Populate Accounts' button are enabled in 'Payment Entry' screen to specify required values.</p>
PMT_HIERARCHY_CODE	<p>In this parameter, you can specify a payment hierarchy which is populated by default in Customer Details and Business Details (if applicable) screen after account activation.</p> <p>However, the specified value is selected by default only if there is a matching hierarchy definition enabled record maintained in Setup > Administration > User > Payment Hierarchy screen. Else, 'Equal Amount' value is selected which in-turn adjusts the payment equally to all customer/business linked accounts.</p> <p>Note: System does not consider this parameter value while 'creating account using existing customer/business details' since the default selection is done during the creation of existing customer / business account.</p>
EVI_MAX_RE- TRY_COUNT	<p>This parameter records and controls the maximum attempts to re-trigger FAILED Webhook requests which cannot exceed more than 5 times. However, this parameter can be modified if the maximum re-trigger attempts is to be less than 5 times.</p>
UIX_CUSTOM_LA- BEL_ENABLED_IND	<p>This parameter indicates if the field label customizations are allowed i.e. ability to change label and provide access to fields in Label Configuration and Security User Access Definition Details screens.</p> <p>If set to 'Y', system refers data from database</p> <p>If set to 'N', system refers data from XLIB file.</p>
UIX_MASTER_AC- C_BASED_PMT_IND	<p>If this parameter is set to 'Y' and is 'Enabled', system accepts posting direct payment to a master account and also accepts master account based payments to all linked accounts.</p> <p>To facilitate master account based payments, 'Master Account #' field is enabled in 'Payment Entry' screen.</p>
TPE_PMT_RE- FUND_CURRENCY_S- RC_CD	<p>This parameter indicates the currency in which payment refund has to be processed in the system as either 'Payment Currency' or 'Account Currency'. The same is considered during payment refund operation in Payment Maintenance screen.</p>

Parameter	Description
AUTO_GEN_ACTIVE_TX- N_CONV	This parameter if enabled, auto posts a dummy ACTIVE transaction on all 'migrated accounts' during the schedule batch job run. This in-turn allows to post RESCISSION / VOID transaction specifically for migrated accounts by selecting the dummy transaction from Customer Service > Maintenance screen or Transaction History transactions tab, For more information, refer 'Voiding an Account' section Servicing user guides.
FLL_CMN_JET_JWT_EN- ABLED_IND (JET JWT TOKEN ENA- BLE INDICATOR)	This parameter if set to 'Y', enables the 'Account Dash- board' screen in Servicing LHS menu. This screen is based on Oracle JET framework and facilitates to view Account summary details maintained in the system. For information on screen functionality, refer to Servicing User Manuals and for details on deployment and configuration, refer to Installation Manuals.
FLL_CMN_JET_JWT_TO- KEN_URL (JET JWT TOKEN GENER- ATION URL)	Define the value of the O-JET URL (app-shell application URL) in the format https://<hostname>:<port no>/ofsll-app-shell/<token>
FLL_SER_JET_AC- C_CREATE_URL (JET SIMPLE ACCOUNT CREATE URL)	Define the value of the O-JET URL (app-shell application URL) in the format https://<hostname>:<port no>/ofsll-app-shell?root=accountonboarding
FLL_SER_JET_ACC_- DASHBOARD_URL (JET ACCOUNT DASH- BOARD URL)	Define the value of the O-JET URL (app-shell application URL) in the format https://<hostname>:<port no>/ofsll-app-shell?root=accountdetailsdashboard
FLL_SET_JET_INTELLI- GENTSEG_URL (JET INTELLIGENT SEG- MENTATION URL)	Define the value of the O-JET URL (app-shell application URL) in the format https://<hostname>:<port no>/ofsll-app-shell?root=queuecreation

C.3 Organization Parameters

Organization parameters control the functions related to User login, password expirations, responsibilities and accessibility limits in the OFSLL system. Individual parameters can be created with different values for uniquely defined organizations, divisions, and responsibility combinations.

There are three more dimensions other than parameter name, description and enabling (similar to system parameters) as indicated below:

1. Organization
2. Division
3. Responsibility

These dimensions help to define the applicability of the responsibility for specific User in an Organization across selected Divisions/departments.

When determining which parameter to use, OFSLL system selects the best match based on a hierarchical sort by the Organization, Division, and Responsibility fields, with values of 'ALL' being a lower order match than an exact match.

While the system allows for Organization parameters to be defined at all three hierarchical levels (organization, division, and responsibility), not all will be applicable to each parameter.

Parameter	Description
MAX_PASSWORD_HISTORY_CHECK	This is used to set limit for number of times a password has been repeated during password change. This can be set for specific branches of the Organization, Divisions and Users based on responsibilities. Numeric value to be input to specify the limit.
UCS_GROUP_FOLLOWUP_DAYS	This parameter is used to set up the number of days range for Group follow-up field in customer service screen which displays the set of accounts that share same account condition as the selected account and bear the same customer ID. The pre-requisite for this is Group Follow-up indicator should be enabled in queue setup. Input value is numeric.
UCS_REVIEW_QUEUE_ALLOWED	This is used to specify whether review can be done by the specific responsibility (user group) without entering details in call activities/activities. Parameter value to be input is Boolean (Yes/No).
UIX_APP_VIEW_ALL_APPS	The system uses this parameter to determine which users have the ability to view all applications. The system selects the best match based on a hierarchical sort by Organization, Division and Responsibility fields, with values of 'ALL' being a lower order match than an exact match. Input parameter value is Boolean (Yes/No).
UIX_HIDE_RESTRICTED_DATA	This is used to hide sensitive data relating to the Contract / Applicant to a specific group/responsibility etc. Suppose there is a need to hide data relating to SSN, Bank account details etc. to a specific user responsibility who will not need such data, this parameter can be enabled with input value Boolean (Yes/No). If this parameter is set to 'Y', the details appear in a masked format (for e.g. SSN – XXX-XX-456)
UIX SMTP_SERVER	This parameter is used to set up the email server for user interface. The input value would be 'SETME' and check the 'Enable' flag.

Parameter	Description
UIX_VIEW_SECURED_ACCOUNTS	<p>This is used to specify whether an account can be viewed by a specific responsibility (users). Parameter value is Boolean (Yes/No) and when flagged as Yes, such accounts would be viewable only by users defined in the Organization, Division hierarchy with the specified responsibilities. For example, all employee accounts may not be viewable by all users and should be made available only to the HR department with specific responsibility levels.</p> <p>Note: While creating application, selecting appropriate applicant's classification would be essential for this parameter to be effective.</p>
UIX_VIEW_SECURED_APPLICATION	<p>This is used to specify whether an application can be viewed by a specific responsibility (users). Parameter value is Boolean (Yes/No) and when flagged as Yes, such applications would be viewable only by users defined in the Organization, Division hierarchy with the specified responsibilities. For example, all employee accounts may not be viewable by all users and should be made available only to the HR department with specific responsibility levels.</p> <p>Note: While creating application, selecting appropriate applicant's classification would be essential for this parameter to be effective.</p>
ULG_DAY_END	<p>This is used to specify the upper limit time in day for a user to be able to work in the System. Parameter value is numeric and range is 1-24, else system will throw error.</p>
ULG_DAY_START	<p>This is used to specify the lower limit time in day for a user to be able to work in the System. Parameter value is numeric and range is 0-24, else system will throw error</p>
ULG_FAILED_LOGIN_TRIALS_MAX	<p>This parameter is used to specify the maximum number of login trials allowed before disabling the User ID due to security reasons. Input parameter value is numeric with upper limit of 99999999999.</p>
ULG_INACTIVITY_DAYS_MAX	<p>This parameter is used to specify the maximum number of days the User ID can be without utilization before disabling the User ID due to security reasons. Within the specified number of days the User Id must be utilized for sign in at least once. Input parameter value is numeric with upper limit of 99999999999.</p>
ULG_PWD_CASE_SENSITIVE_REQ	<p>This is used to allow all passwords to be case sensitive or otherwise. Input parameter value is Boolean (Yes/No). When this parameter is set as 'NO', password would be stored in Upper case. If this parameter is set to N. then the ULG_PWD_LOWER_CHAR_REQ parameter should also be set to N.</p>

Parameter	Description
ULG_PWD_CHANGE_ - DAYS_ACTUAL	This is used to set the maximum number of days after which system will force a password change, in cases where the User has not changed the password. Input parameter value is numeric with upper limit of 999999999999.
ULG_PWD_CHANGE_ - DAYS_PROMPT	This is used to set the maximum number of days after which system will prompt the User for password change, in cases where password has not been changed within the set period. Input parameter value is numeric.
ULG_PWD_LENGTH_MIN	This is used to set the minimum length of password string that is required. If this criterion is not met, system would throw an alert specifying minimum character length required to be input.
ULG_PWD_LOW- ER_CHAR_REQ	This is used to allow at least one lower case character in password strings. Input value is Boolean (Yes/No). Setting this as 'NO' would mean passwords would be allowed in uppercase only.
ULG_PWD_NBR_REQ	This parameter allows setting password with at least one numeric character. Input value is Boolean (Yes/No) and setting this as 'YES' would require passwords to have at least one numeric character.
ULG_PWD_SPE- CIAL_CHAR_REQ	This parameter is used to allow special characters like '\$', '#', '@', in passwords. Input value is Boolean (Yes/No) and setting this as 'YES' would require passwords to have at least one special character.
ULG_PWD_UP- PER_CHAR_REQ	This is used to allow at least one upper case character in password strings. Input value is Boolean (Yes/No). Setting this as 'NO' would mean passwords would be allowed in lowercase only.
ULG_WEEK_END	This parameter enables to set the last day of the week when a user can have access to the system. Input parameter value is numeric ranging from 1 to 7. This is useful in business requirements where the Organization does not need a specific set of responsibilities (users) to not access the system on a weekend / week-off day etc.
ULG_WEEK_START	This parameter is used to set the start day of the week when a user is allowed to access the system. Input parameter value is numeric.

Parameter	Description
CRB_ERROR_VALIDATION_IND	<p>This parameter is used to validate the Credit Bureau report generation request depending on the number of days permitted to pull a Bureau report from the same company and for the same customer and report as either warning/error.</p> <p>When the number of days is less than or equal to the permitted days (as defined in parameter DAYS_TO_PULL_CRB_REPORT), system displays an 'Error' message stating 'Bureau Report exists for the same Customer from the same Bureau for Account# XYZ' along with list of account number(s) and/or application number(s). If not, a 'Warning' message is display and request is accepted for processing.</p> <p>Note: Both 'CRB_ERROR_VALIDATION_IND' and 'DAYS_TO_PULL_CRB_REPORT' are to be enabled for Credit Bureau report processing.</p>
OCP_CUST_PMT_PREF	<p>This parameter MASTER ACCOUNT ROLLUP FOR PMT EXTRACT FILE is used to decide the basis of dues consolidation at master account level based on the parameter values selected. For more information, refer to 'Outbound Customer Extracts To Payment Agencies Batch' section.</p>

C.4 Company Parameters

Company parameters control the processes associated with functions that vary for different companies and branches. These parameters address credit scoring, credit bureau interfaces, fax services, and fax generation.

Individual parameters may be set up with different values for uniquely defined company and branch combinations (i.e. these can be defined to the level of branches in each company or a group of companies in terms of applicability).

Parameter	Description
AUD_ADV_REASON_MODEL	<p>This parameter is used to set-up default adverse action reasons for scoring models during set-up in the Parameters sub page. Whenever the flag 'Bureau Score Reasons' is unchecked during credit bureau scoring model set-up, then automatically rejected applications scored using this scoring model picks up the Adverse Action Reasons from the Parameters sub page.</p>
AUD_SCORING_METHOD	<p>This parameter is used to set when/where the application scoring method has to be applied within the company. So when the parameter value is chosen as 'primary applicant only', the system will perform the application scoring for the primary applicant only and according to other applicable parameters specified. Other parameter input values are Minimum Score, Maximum Score, Minimum Tier (Grade), Maximum Tier (Grade).</p>

Parameter	Description
AUD_SCORING_- METHOD_IN_BUREAU	This parameter is used to define what value to be picked up for application scoring from the scores returned from the various bureaus. The input parameter values are Maximum Score and Minimum Score. If Maximum score is set-up in company parameters, then for all applications where a bureau report is pulled, the system will pick-up the Maximum score from the different bureaus.
CBU_DATA_SET_SIZE	Parameter to define the metro 2 file data selection criteria, option values are monthly, Daily, weekly, semi monthly.
CBU_FILE_FORMAT	Metro 2 file format definition, user need to select from the parameter value drop down.
CMN_ASE_VALIDATE_- MAKE_MODEL	This parameter is set up to specify to the system whether it needs to validate the asset make and model at the time of data entry. In parameter value is Boolean (Yes/No).
CMN_CMB_DE- FAULT_PRINTER	This is used to define the default printer for printing. The input parameter value is the printer name. There is no LOV for this field. If no default printer is defined and the parameter enabled, the system would display 'Undefined'.
CMN_WEEKLY_NONBUSI- NESS_DAYS	This parameter is used to set-up the weekly holidays at the company level. The input parameter value is character string; if no details specified and parameter is enabled, system would display 'UNDEFINED'.
COR_STORAGE_DIREC- TORY	This parameter is used to specify the path/location for Oracle directory object template for correspondence documents. Input parameter value is 'SETME'; if none is specified and parameter enabled, 'UNDEFINED'.
DBR_- JOINT_INC_DEBT_WITH_ 2NDRY	This parameter defines whether system should consider income and debt details of the Spouse and Secondary Applicant along with that Primary Applicant. Input parameter value is Boolean (Yes/No).
DBR_- JOINT_INC_DEBT_WITH_ SPOUSE	This parameter is used to define whether system should consider the income and debt details of Spouse alone along with that of Primary applicant details. Input parameter value is Boolean (Yes/No).
DDP_CRB_EXPIRATION_- DAYS	This parameter is used to define the credit bureau report expiration days. So if this is set as 30, system will use all available credit bureau reports pulled which are not older than 30 days from current day, during de-dupe. Input value is numeric with no upper limit.
DDP_DE- DUP_DEBT_WITH_2NDRY	This parameter defines whether the system should de-dupe credit bureau liabilities for Spouse and Secondary Applicants, in addition to de-duping Primary applicant's liabilities. Input parameter value is Boolean (Yes/No).

Parameter	Description
DDP_DE-DUP_DEBT_WITH_SPOUSE	This parameter defines whether the system should dedupe credit bureau liabilities for Spouse, in addition to deduping Primary applicant's liabilities. Input parameter value is Boolean (Yes/No).
DOT_STORAGE_DIRECTORY	This parameter is used to define the location/path of the Oracle Directory Object name for Account Document Loading. Input parameter value is 'SETME'.
ECB_EDIT_FAIL_ANY_APL	This parameter is used to set the credit bureau edit to fail in case the bureau report for any of the applicant fails. Input parameter value is Boolean (Yes/No). So if this parameter is set to 'YES', the edit will fail even if one of the applicant's bureau score fails to qualify.
ECB_USE_APL_CURRENT_SCORE_CRH	This parameter is used to define whether the system should run the credit bureau edits only on the current scored applicant bureau. Input parameter value is Boolean (Yes/No).
LOR_AUTOMATIC_CON-FUND_FAX	This is used to define the decision fax generation when an application is funded. The input parameter value is Boolean (Yes/No), and when this is set as 'YES', system automatically generates the fax approval in the pre-defined template whenever an application is approved.
LOG_STORAGE_DIRECTORY	This parameter is used to define the Oracle storage directory. Input parameter value is user (System Administrator) defined.
LOR_AUTOMATIC_APPROVAL_FAX	This is used to define the decision fax generation when an application is approved. The input parameter value is Boolean (Yes/No), and when this is set as 'YES', system automatically generates the fax approval in the pre-defined template whenever an application is approved.
LOR_AUTOMATIC_REJECTION_FAX	This is used to define the decision fax generation when an application is rejected. The input parameter value is Boolean (Yes/No), and when this is set as 'YES', system automatically generates the rejection fax in the pre-defined template whenever an application is declined.
MAX_LEAD_DAY_AGE	This parameter is used to define the maximum no. of days, post which the sales lead would be considered cold. Input parameter value is numeric with no upper limit.
MULTI_OFFER	Through this parameter the multiple offers (sub-tab) in pricing can be enabled or disabled for a Company/Branch. Input parameter value is Boolean (Yes/No). If the flag is set as 'Y', the underwriter can view multiple offers and select one of them to be applied for the specific application.

Parameter	Description
MULTI_OFFER_MAX_NUMBER	This parameter is used to specify the maximum number of multiple offers that can be permitted for an application. Input parameter value is numeric with no upper limit. If MULTI_OFFER company parameter is set as 'N', this parameter can be ignored as there is no use specifying a value.
MULTI_OFFER_MAX_TERM	This company parameter sets the maximum term (as in no. of instalments, whichever billing cycle is selected) for which multiple offers are calculated and displayed during pricing. Input parameter value is numeric.
MULTI_OFFER_MIN_TERM	This company parameter sets the minimum term (as in no. of instalments, whichever billing cycle is selected) for which multiple offers are calculated and displayed during pricing. Input parameter value is numeric.
MULTI_OFFER_PMT_TOLERANCE	For Multi offer variance in payment is defined in this parameter.
MULTI_OFFER_TERM_VAR	For multi offer Term variance will be defined in the parameter.
PRESENT_VALUE_COMPUTE_RATE	This parameter will perform Present Value Computation Rate (Inflation/Discounting Rate).
RATE_CHG_LTR_PRE_PROCESS_DAYS	This parameter is used to set up the number of days prior to rate change effective date to generate rate change letters in order to provide advance intimation to customers. Input parameter value is numeric with no upper limit.
STM_GEN_AFTER_MATURITY_IND	This parameter is used to enable the statement generation for an account after the maturity date but Account remains unpaid. Input parameter value is Boolean (Yes/No). If this is set to 'Y', statements will get generated for accounts that remain unpaid even after maturity.
UIX_RUN_AAI_ACT	This parameter is used by the system to determine whether to create and activate an account online. Input parameter value is Boolean (Yes/No).
UIX_UCS_CAC_MAX_FOLLOWUP_DAYS	This parameter is used to set up the maximum number of days for follow up when the account is in delinquent state. Input parameter value is numeric with no upper limit.
UIX_UCS_CAC_MAX_PROMISE_DAYS	This parameter is used to set up the maximum number of days allowed for customers who promise to pay when following up for delinquent accounts. Input parameter value is numeric.
AUD_QUEUE_INITIAL_CRB_FAILED	This parameter enabling will Queue the application if any bureau failed.
UIX_UCS_CUA_MAX_FOLLOWUP_DAYS	This parameter will allow the user to maintain the Collections maximum follow-up days that are allowed in the system.

Parameter	Description
XSL_TAX_INTERFACE	This parameter is used to specify the sales tax interface in OFSLL. Input parameter value is user defined. In this case it is held as 'Manual'.
CMN_SYSTEM_UNDER_MAINTENANCE	This parameter specifies whether the system is under maintenance or not. Input parameter value is Boolean (Yes/No).
CMN_GL_POST_DT	This parameter is used to define the GL Post Date of Company in MM/DD/YYYY format. The same is also updated by Scheduler if ENABLED.
PTX_TX-N_LAST_PURGE_DT	This parameter stores the date when transactions were purged last in the OFSLL system. Input parameter value is date.
PUP_TUP_LAST_PURGE_DT	This parameter stores the date when transactions upload were purged last in the OFSLL system. Input parameter value is date.
JSC_START_OF_BUSINESS_TIME	This parameter is used to set the start of business time. Input parameter value is time in 24 hour format.
CMN_PROMISE_FUTURE_MTHD	<p>This parameter helps to define the future promise handling method in the system.</p> <p>When multiple 'Promise to Pay' records are defined on an account and if any one of the promise is not satisfied i.e. if there is no credit / Payment transaction of the corresponding amount on the promise date, then system uses any of the following method defined in this parameter to update the future promises.</p> <ul style="list-style-type: none"> - No Action on future promises (default) - Mark current and future promises as broken - Mark current as broken but future promise as cancelled

C.5 Other Parameters

The following additional set of parameters are also available to control system specific data and other administration process.

Parameter	Description
CRB_MAX_BUREAU_PULL	This parameter is used to determine the number of credit reports automatically per applicant. Input parameter value is numeric.
CRB_ALL_APL_BUREAU_PULL	This parameter is used to set up whether credit bureau reports should be pulled for the primary applicant only or to all other applicants also (for joint applications), regardless of their relationship with the primary applicant. Input parameter value is Boolean (Y/N).

Parameter	Description
CBU_FILE_FREQUENCY	This parameter is used to set the Metro II File Frequency and determine whether output file is to be generated daily or monthly. If this is monthly, then output file is written with daily data but generated monthly.
JOINT_DE-DUP_SPOUSE_LIABILITIES	This parameter is used to determine duplicate liabilities in the Spouse's liabilities in de-duping logic. Input parameter value is Boolean (Yes/No).
JOINT_DEDUP_ALLAPPL_LIABILITIES	This parameter is used to determine duplicate liabilities of all applicants' liabilities in de-duping logic, irrespective of whether they are related to each other. Input parameter value is Boolean (Yes/No).
ASC_COL_SER_ENABLED_IND	This parameter is used for enabling the Collection Servicing Indicator. Input parameter value is Boolean (Y/N).
CMN_TEST_TOOL_LOGGING	This parameter is used to set the testing tool logging to enable or disable testing tool log in. Input parameter value is Boolean (Yes/No).
ICA_INPUT_FILE_FORMAT	This parameter is used to specify the Input format for call activity file. Two Parameter values are possible – US format and OFSLL format.
JSV_BI_USER	This parameter is used to define the BI publisher User ID. Input parameter value is user defined (Admin user).
JSV_BI_PASSWORD	This parameter is used to define the BI publisher User password. Input parameter value is user defined (Admin user).
PJR_COPY_PURGED_DATA	This parameter is used to specify whether data should be copied into the purge tables or not. Input parameter value is Boolean (Yes/No).
PUP_ARCHIVE_DAYS	This parameter is used to specify the number of days after which the transactions upload details are to be archived. Input parameter value is numeric.
PUP_OARCHIVE_DAYS	This parameter is used to specify the number of days after which the transactions upload details are to be moved from 'O' tables. Input parameter value is numeric.
TPE_APPLY_LTC_FROM_CURR_DUE_DT	This parameter is used to specify whether late charge should be applied from current due date for Pyramid Law fee method. Input parameter value is Boolean (Yes/No).
TPE_EXCESS_PAYMENT_TO_MEMO	This parameter will make excess payment to the memo payment by marking this Parameter as YES.
TPE_STOP_COMP_DELQ_DAYS	This parameter is enabled to stop computation if the account is delinquent for more than 60 days.

Appendix D: Variable and Fixed Interest Rate

D.1 Variable Interest Rate

A variable interest rate is one in which the interest component of the payable can fluctuate over time. This fluctuation can be either due to periodic changes in index rate or varying interest rates in the market. Accordingly, the amount may increase or decrease depending on the variable interest rate.

For Variable rate, the interest rate basically consists of two components:

- Index rate - The index rate component is based on the financial market and may fluctuate accordingly.
- Margin rate - The margin rate component is the fixed rate, which normally does not change during life of the .

Note

Interest rate = Index rate + Margin rate.

During origination and up to the funding process, the interest rate is computed based on the prevailing index rate at the time of approval. However, once the is funded, the interest rate on the may change when the index rate changes. This interest rate change may causes changes in the repayment amount, if specified in the terms of the contract.

Oracle Financial Services Lending and Leasing supports the variable rate functionality for closed-end during the originating, funding, and servicing of new products and with interest rates based on various industry-standard interest rate indices.

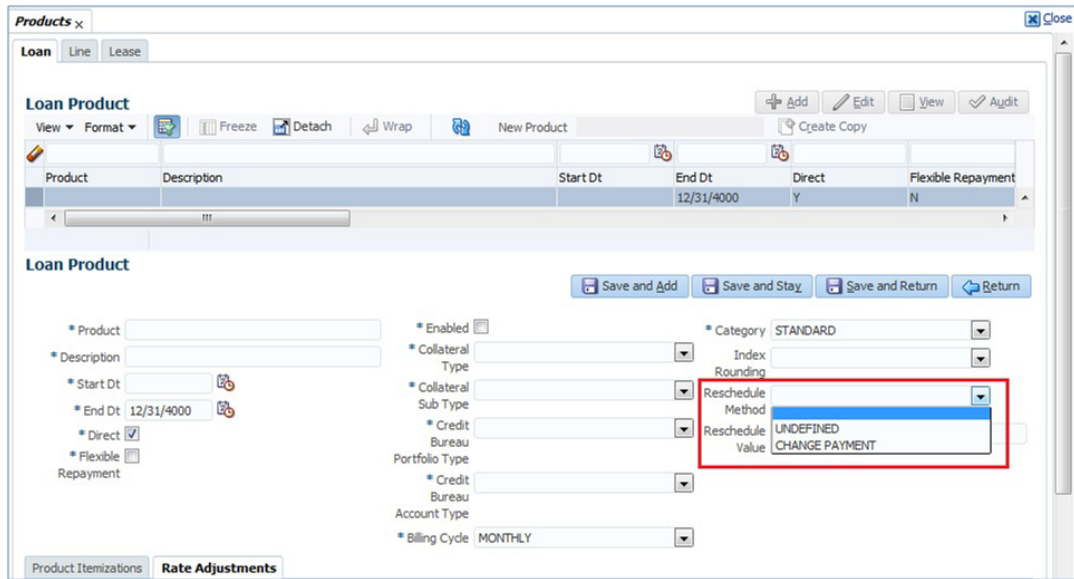
Variable rate calculation for Lease is supported for 'Interest Rate' calculation method only. During product setup, on selecting the lease calculation method as 'Interest Rate', the following fields are enabled and also the 'Rate Adjustments' sub tab is available to specify the details:

- Flexible Repayment
- Index Rounding
- Reschedule Method
- Reschedule Value

Note the following for lease variable rate calculation:

- The index rate changes are bound by 'Rate Cap & Adjustments' and 'Payment Caps' which are defined at Setup > Contract level.
- If the change payment is greater than 'Max Pmt Inc/ Life', system does not post 'Rate Change' and 'Term Change' transactions and displays an error indicating 'Rate Change not allowed, as new payment amount exceeds max increase life' to avoid impact on residual value usage.

During the Product setup, you can define and control the changes in amount using 'Reschedule Method' and 'Reschedule Value' fields.



- When Reschedule Method is selected as 'UNDEFINED', no payment changes are allowed.
- When Reschedule Method is selected as 'CHANGE PAYMENT', and Reschedule Value is specified as '0', amount changes every time depending on the variable rate.
- When Reschedule Method is selected as 'CHANGE PAYMENT', and Reschedule Value is specified in percentage (i.e. 5%, 10%) amount changes only when the variable rate increases upto the defined percentage. (For example, if change percentage is specified as 10%, amount changes only if the variable rate increases by 10%. Else, no change is allowed.)

Hence the impact of variable rates on amount can be controlled to stop negative amortization.

D.1.1 'Rate Adjustments' for Variable Rate

Every contract can have different limits on interest rate change as indicated below:

- Allowed amount for each minimum and maximum interest rate change
- Number of minimum and maximum interest rate changes allowed within a year and life of the account

Note

These limits are enforced when processing the interest rate change on the .

OFSLL supports such Adjustable-Rate Mortgages (ARM) by defining them accordingly in the 'Rate Adjustment' tab of Product setup screen.

In the 'Rate Adjustment' tab (Setup > Products screen > 'Rate Adjustment' tab), multiple records can be created depending on the limits defined for each ARM's.

For example:

- For a particular ARM if interest rate change is allowed only once in a year, then a corresponding record in Rate Adjustments tab can created with following field details:
 - Adjustment Frequency 'RATE CHANGE OCCURS EVERY X YEARS', Period '1', and # of Adjustment '1'.

- For a particular ARM if interest rate change is allowed only once in 5 years during life of a , then a corresponding record in Rate Adjustments tab can created with following field details:
 - Adjustment Frequency 'RATE CHANGE OCCURS EVERY X YEARS', Period '5', and # of Adjustment '1'.
- Similarly, for an ARM if desired number of interest rate changes are to be allowed during first 10 years of a , the record in Rate Adjustments tab can have the following field details:
 - Adjustment Frequency 'RATE CHANGE OCCURS EVERY X YEARS', Period '10', and # of Adjustment 'any value upto 999'.

D.2 Fixed Interest Rate

Fixed interest rate is one in which the rate of interest remains fixed from funding till the entire term. Hence, the amount does not change with fluctuations in index rate or market rates.

In Oracle Financial Services Lending and Leasing, fixed interest rate can be defined in the following way:

- Create a 'FLAT RATE' Index Type record in Index Rates screen (Setup > Products > Index Rates) with Rate=0.00

Index Rates			
Index			
Index Type	Short Description	Description	Enabled
PRIME RATE	PRIME RATE	PRIME RATE	Y
FLAT RATE	FLAT RATE	FLAT RATE	Y
Index Details			
Start Dt	Rate	Enabled	
05/12/1994	0.0000	Y	

- Select this Index Type record during Origination/Servicing for Fixed Rate .

Since the index rate is always zero for this Index Type, the interest rate will always be the Margin rate (i.e. contract rate) which does not change during life of the .

Appendix E:Lease Sales and Usage Tax

E.1 Introduction

In general, 'Sales Tax' is a tax paid to a governing body for the sales of certain goods and services. Similarly, Lease sales tax is the tax collected either on the total up-front lease price or during the lease period.

The sales tax for lease depends on the state and county where the asset is registered and every country has a governing body to collect, monitor and regulate Sales and Usage Tax collection. Depending on the country, the rules to collect sales and usage tax can be controlled by individual State or generalized across states. However, in most of the regions the Sales and Usage tax collection process is categorized as indicated below:

Category	Tax collection type
Upfront	This type of tax is collected while funding the lease application and a customer has the flexibility to include the tax amount as part of Lease Receivables.
Stream	This type of tax is collected as part of the Customer Service and tax is estimated during billing process, fee assessment and so on. The opening balances are updated and calculated tax is indicated in customer statements.
Exemption	If a customer is eligible for tax exemption during a period of time, an exemption certificate is issued by tax authorities to confirm and exclude the allowed tax components.

OFSLL supports recording, calculating, billing and collecting lease sales and usage tax and provides multiple options to process the calculation internally or through an external third-party vendor like 'Vertex O Series'.

Following are the methods by which you can record and calculate lease tax:

Method	Description
Internal	In this method, you can use the Origination and Servicing modules to calculate lease sales tax based on setup parameters.
External / Vertex	In this method, you can use the external integrated lease tax compliance applications like Vertex to calculate Sales and Usage Tax. Here, you need to only configure the required components in OFSLL which quantify for tax calculation and outsource the actual tax calculation to Vertex.
Manual	In this method, you can calculate the lease tax externally and only update the details into OFSLL Origination and Customer Service modules.

Based on the value defined in the Company parameter 'XSL_TAX_INTERFACE' (SALES TAX INTERFACE), OFSLL determines the method selected for sales tax calculation.

Lease Sales and Usage tax can either be origin based or destination based. Origin based tax or production tax is levied where goods or services are produced. Destination based tax or consumption tax are levied where goods and services are consumed.

During the lease tax calculation, below are the address reference used to refer Source and Destination address.

- Source Address refers to the Producer Address
- Destination Address refers to the Asset Address

OFSLL supports two Sales Tax Modes (UPFRONT and CYCLE) and two Tax Methods (PURCHASE_PRICE and PAYMENT_STREAM) to determine if the Sales and Usage Tax has to be collected during Origination or Customer Service. Based on state specific rules, the tax details are updated in respective modules with the following combination:

- If a Lease contract is configured as UPFRONT/ PURCHASE_PRICE, then Sales and Usage Tax is collected during Origination process.
- If a Lease contract is configured as CYCLE/ PAYMENT_STREAM, then Sales and Usage Tax is collected during Customer Service as part Bill/Due generation.

This document contains the following sections:

- [Internal Lease Tax Calculation](#)
- [External Lease Tax Calculation](#)
- [Manual Lease Tax Calculation](#)

E.2 Internal Lease Tax Calculation

In this method, the lease sales and usage tax details are updated and computed within OFSLL using the Setup, Origination and Customer Service modules.

This section contains the following details:

- [Sales Tax Setup](#)
- [Sales Tax Calculation at Origination](#)
- [Sales Tax Calculation at Customer Service](#)

E.2.1 Sales Tax Setup

The Sales Tax screen facilitates to capture tax rules for Origination and Customer Service using itemizations or transactions.

This section contains the following details:

- [To setup sales tax](#)
- [Origination](#)
- [Customer Service](#)
- [Range](#)

E.2.1.1 To setup sales tax

1. Navigate to Setup > Administration > System > Sales Tax screen.

2. In the 'Sales Tax Definition' section, click 'Add'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields are given below:

Field	Description
Tax	Specify a unique value to identify the tax rule definition.
Description	Specify a description for the tax rule.
Start Dt	Select the start date for tax rule definition from the adjoining calendar.
End Dt	Select the end date for tax rule definition from the adjoining calendar.
Enabled	Check this box to enable the tax rule definition.
Selection Criteria section	
Channel	Select the method to calculate lease tax as either Internal or External (Vertex) from the drop-down list. The list is populated based on values maintained in 'TAX_CHANNEL_CD' lookup code.
Company	Select the portfolio company from the drop-down list.
Branch	Select the portfolio branch from the drop-down list.
Billing Cycle	Select the frequency of billing cycle from the drop-down list. The list is populated based on values maintained in 'LEASE_BILL_CYCLE_CD' lookup code.
Product	Select the product to which the sale tax rule is applicable from the drop-down list.
Asset Class	Select the asset class from the drop-down list.
Asset Type	Select the asset type from the drop-down list. The list is populated with all enabled Asset Types.
Sub Type	Select the asset sub type from the drop-down list.

Field	Description
Asset Make	Select the asset make from the drop-down list.
Asset Model	Select the asset model from the drop-down list.
Age	Specify the age of the asset.
Source Address section - This section facilitates to record the location details where asset is manufactured.	
Country	Select the country from the drop down list. The list is populated based on values defined in 'COUNTRY_CD' lookup code.
Zip From	Select the zip code from where the territory starts from the drop down list.
Zip To	Select the zip code up to where the territory ends from the drop down list.
City	Select the city from the drop-down list.
State	Select the state from the drop-down list.
County	Select the county from the drop-down list. The list is populated based on values defined in COUNTY_CD lookup code.
Destination Address section - This section facilitates to record the location details where asset is sold.	
Country	Select the country from the drop down list. The list is populated based on values defined in 'COUNTRY_CD' lookup code.
Zip From	Select the zip code from where the territory starts from the drop down list.
Zip To	Select the zip code up to where the territory ends from the drop down list.
City	Select the city from the drop-down list.
State	Select the state from the drop-down list.
County	Select the county from the drop-down list. The list is populated based on values defined in COUNTY_CD lookup code.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

E.2.1.2 Origination

The Origination tab of Sales Tax screen facilitates to capture details for 'upfront' tax calculation during Origination which is based on Purchase Price, Itemization/Lease Payment amount, and Total of Lease Payments.

1. Navigate to Setup > Administration > System > Sales Tax > Origination tab.

- In the 'Formula Details' section, click 'Add'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields are given below:

Field	Description
Calc Method	<p>Select the lease tax calculation method as one of the following from the drop-down list. The list is populated based on SALES_TAX_INT_AMT_CD lookup code for Internal calculation method and SALES_TAX_EXT_AMT_CD lookup code for Vertex.</p> <ul style="list-style-type: none"> - Lease Payment Amount: fixed tax on lease installment amount - Total of Lease Payment: fixed tax on total lease amount - Flat Itemization: fixed tax amount charged for configured itemizations - Percentage of Itemization Amount: fixed tax percentage charged for configured itemizations - Purchase Price Amount: fixed tax on purchase price of asset retail valuation. <p>** Refer to the illustrated example for information on calculation methods.</p>
Itemization	<p>Select the required itemization from the drop-down list. You can define multiple itemization for the selected calculation method to determine sales tax.</p> <p>Note: This field is available only if the calculation method is either FLAT ITEMIZATION AMOUNT or PERCENTAGE OF ITEMIZATION AMOUNT.</p>
Sign	<p>Select '+ve' option (default) if the calculated sales tax amount is to be added to the lease application or '-ve' option if a tax rebate is given on the lease application.</p> <p>Note: This field is displayed only for Internal sales tax calculation method.</p>
Value	<p>Based on the calculation method selected, specify either amount or percentage of tax to be calculated.</p> <p>Note: This field is displayed only for Internal sales tax calculation method.</p>
Tax Exemption	<p>Check this box to indicate if the tax formula can be exempted from sales tax calculation for lease applications having valid exemption details. Else, sales tax is assessed for lease application using this tax formula.</p> <p>Note: This check box is displayed only for Internal sales tax calculation method.</p>
Enabled	<p>Check this box to enable the tax formula.</p>

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

** The table below is an illustration on how upfront tax is determined for different calculation methods:

Payme nt Amt	Total Amt	MSRP	Item Amt	Calc Method	Tax %	Tax Amt	Payme nt Amt	Total Amt
\$558.17	\$20,093.72	\$20,000	\$20,000	Purchase Price	5%	NA	\$558.17	\$21,093.72
\$558.17	\$20,093.72	\$20,000	\$20,000	Percent of Itm Amt	5%	NA	\$558.17	\$21,093.72
\$558.17	\$20,093.72	\$20,000	\$20,000	Flat of Itm Amt		\$1,000	\$558.17	\$21,093.72
\$558.17	\$20,093.72	\$20,000	\$20,000	Lease Payment Amt	5%	NA	\$586.08	\$21098.83
\$558.17	\$20,093.72	\$20,000	\$20,000	Total of Lease Payment Amt	5%	NA	\$558.17	\$21098.41

E.2.1.3 Customer Service

The Customer Service tab of Sales Tax screen facilitates to capture details for 'Stream' tax calculation when Bill/Due date or Late Charge transactions are posted, and also to estimate tax for Payoff Quote lease on unpaid lease amount.

1. Navigate to Setup > Administration > System > Sales Tax > Customer Service tab.
2. In the 'Formula Details' section, click 'Add'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields are given below:

Field	Description
Calculation Method	<p>Select the lease tax calculation method as one of the following from the drop-down list. The list is populated based on SALES_TAX_INT_AMT_CD lookup code for Internal calculation method and SALES_TAX_EXT_AMT_CD lookup code for Vertex.</p> <ul style="list-style-type: none"> - Flat Transaction Amount - fixed tax amount charged for configured transactions. - Percentage of Transaction Amount - fixed tax percentage charged for configured transactions. <p>** Refer to the illustrated example for information on calculation methods.</p>

Field	Description
Txn Code	Select the transaction code from the drop-down list. The list is populated with the following values based on SALES_TAX_TXNS_CD lookup code. <ul style="list-style-type: none"> - Bill/Due date - Late Charge - Payoff Quote lease ** For information on how tax is calculated based on combination of calculation method and transaction code, refer to the below illustrated example.
Sign	Select '+ve' option (default) if the calculated sales tax amount is to be added to the lease account or '-ve' option if a tax rebate is given on the lease account. Note: This field is displayed only for Internal sales tax calculation method.
Value	Based on the calculation method selected, specify either amount or percentage of tax to be calculated. Note: This field is displayed only for Internal sales tax calculation method.
Tax Exemption	Check this box to indicate if the tax formula can be exempted from sales tax calculation for lease accounts having valid exemption details. Else, sales tax is assessed for lease account using this tax formula. Note: This check box is displayed only for Internal sales tax calculation method.
Enabled	Check this box to enable the tax formula.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

** The table below is an illustration on how stream tax is calculated with the combination of calculation method and transaction code selected.

Txn Code	Calc Method	Tax %	Tax Amt	Txn Amt	Total Txn Amt
BILL/DUE DATE	Percentage of Transaction Amt	5%		\$558.17	\$586.08
BILL/DUE DATE	Flat Transaction Amt		\$100	\$558.17	\$658.17
LATE CHARGE	Percentage of Transaction Amt	5%		\$20	\$21
LATE CHARGE	Flat Transaction Amt		\$5	\$20	\$25

E.2.1.4 Range

The Range tab of Sales Tax screen facilitates to define range (gradual increase in tax rate) for tax calculation based on different charges levied for Product/Service.

For example if the cost of the vehicle is less than or equal to \$20,000 then Sales and Usage Tax slab is 20% and if the cost is greater than \$20,000 then slab is 30%. To facilitate this, below configuration should be maintained in the system.

Origination

Calculation Method	Itemization	Sign	Value	Enabled
PERCENTAGE OF ITEMIZATION AMOUNT	ITM CASH SALES	+	100	Y

Range

Amount From	Percentage	Enabled
20000	20	Y
20001	30	Y

To define Range for Sales tax calculation

1. Navigate to Setup > Administration > System > Sales Tax > Range tab.
2. In the 'Range Details' section, click 'Add'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields are given below:

Field	Description
Amt From	Specify the minimum amount from which tax has to be determined.
Percent	Specify the percentage of tax to be calculated based on amount.
Enabled	Check this box to enable the range.

3. Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

E.2.2 Sales Tax Calculation at Origination

The sales and usage tax details defined in setup are used to calculate tax in Origination Decision / Contract screen.

This section contains the following details:

- [Calculate Tax in Decision/Contract tab](#)
- [Exempt Sales Tax in Decision/Contract tab](#)
- [Attach Sales Tax Exemption Certificate](#)
- [Generate Lease Sale and Usage Tax Report](#)

E.2.2.1 Calculate Tax in Decision/Contract tab

1. Navigate to Origination > Underwriting / Funding > Decision/Contract screen.

The screenshot shows the Oracle Financial Services Lending and Leasing application interface. The top navigation bar includes the Oracle logo and the text 'Financial Services Lending and Leasing'. The user is logged in as 'Welcome, ABSHEKAR' and has a 'Sign Out' button. The main window is titled 'Origination' and shows a search for 'Funding: 0000001014'. Below this, there is a section for 'Application: 0000001014: NAPHADE PAVAN / NAPHADE01 PAVAN01' with buttons for 'Edit', 'View', and 'Audit'. A table below shows application details with columns: Dt, App #, Sub Unit, Status, Origination Stage Code, Producer Name, Producer Contact Number, Existing Customer, Duplicate Application, Contact, and Sak. The table contains one row with the following data: Dt: 04/18/2018, App #: 0000001014, Sub Unit: UNDEFINED, Status: APPROVED - VERI..., Origination Stage Code: CONTRACT, Producer Name: CA-00004: VOLKS..., Producer Contact Number: (818)-884-4444, Existing Customer: Y, Duplicate Application: Y, Contact: , and Sak: DE. Below the application details, there is a 'Contract Information' section with buttons for 'Edit', 'View', and 'Audit'. A table below shows contract details with columns: Contract Dt, Total of Base Pmts (=), Lease Term (I), Base Payment (=) 1st Pmt Dt, Instrument, Amt Due at Signing, Total of Pmts (Estimated), Due Day, and Maturity Dt. The table contains one row with the following data: Contract Dt: , Total of Base Pmts (=): 0.00, Lease Term (I): 0, Base Payment (=) 1st Pmt Dt: 0.00, Instrument: , Amt Due at Signing: 0.00, Total of Pmts (Estimated): 0.00, Due Day: 0, and Maturity Dt: . At the bottom, there is a 'Contract (2)' section with buttons for 'Repayment', 'Itemizations', 'Trade-In', 'Subvention', 'Insurances', 'ESC', 'Compensation', 'Proceeds', 'Disbursements', 'Fees', 'ACH', 'Coupons', 'References', and 'Tax Details'.

2. Click 'Calculate Tax' button. Based on the setup details, system calculates the sales tax for 'Upfront' and 'Stream' category in the following way:
 - If Sales Tax Mode and Tax Method is UPFRONT/ PURCHASE_PRICE, the Sales and Usage Tax is calculated and updated into the itemization 'Cash Sale tax' (ITM_CSH_SALES_TAX). On Funding, the tax amount calculated during origination will be part of Lease Receivable based on itemization adjustments.
 - If Sales Tax Mode and Tax Method is CYCLE/ PAYMENT_STREAM, the Sales and Usage Tax is calculated and updated into the Contract fields - 'Estimated Sales Tax' and 'Sales Tax' to record the estimated tax amount and percentage. However, this data is not propagated to Account.

E.2.2.2 Exempt Sales Tax in Decision/Contract tab

The 'Tax Details' sub tab in Decision/Contract tab facilitates to record tax exemption details. If exemption details are provided for the application, all the tax details marked with Exemption Indicator 'Y' in setup are exempted for this application.

Since the 'Tax Details' sub tab is available in both Decision and Contract tabs, you can choose to define sales tax exemption either during Decisioning or Funding. However, exemption selected during decisioning will be applicable on funding if no changes are made.

1. Navigate to Origination > Underwriting / Funding > Decision/Contract > Tax Details sub tab.

- Click 'Edit'. You can also perform any of the [Basic Operations](#) mentioned in Navigation chapter. A brief description of the fields are given below:

Field	Description
Exemption	Check this box to indicate that application is eligible for tax exemption. Else, all the sales tax defined in setup are applicable for the application. Note: Sales tax exemption is eligible only if the exemption option is checked in both Origination (Tax Details tab) and Setup screen (Setup > Administration > System > Sales Tax screen).
Exemption Start Dt	Select the exemption start date from the adjoining calendar.
Exemption End Dt	Select the exemption end date from the adjoining calendar. This field is enabled on selecting the exemption start date.
Reason	Select the exemption reason from the drop-down list. This field is enabled only if 'Exemption' check box is selected.
Tax Code	View the tax code applied for this application.

- Perform any of the [Basic Actions](#) mentioned in Navigation chapter.

E.2.2.3 Attach Sales Tax Exemption Certificate

For every sales tax exemption, you can provide a proof of verification by attaching the exemption certificate to the application. However, validating the authenticity of the certificate is not handled in OFSLL.

To attach sales tax certificate to an application, you need to first upload the document into the system through 'Application Documents' screen and attached it to the application through Application > Document tab.

- From the LHS menu, click Origination > Application Documents link.
- In the Document Maintenance > Action section, select 'Attach Document (Client)' option.
- In 'Select Document' section, browse for the file location and "Upload".
- In 'Document Details' section, select the uploaded document and click 'Edit'.
 - Select 'Document Sub Type as 'Tax Exemption Proof' from the drop-down list.
 - Similarly update other details of Document Type, Application #, and select the 'Attach' check box.
 - Click 'Save and Return' and in Document Details section, click 'Post'.
- Navigate to Origination > Underwriting / Funding and select the lease application.
- Click 'Document' tab. In 'Application Document Details' section, select the uploaded document and click 'Upload'.
- (Optional) You can also edit the document details before upload by adding additional information as comments.

The sales tax exemption certificate is linked to the application. For more information on the process of document upload, refer to 'Application Documents' chapter in the User Guide.

E.2.2.4 Generate Lease Sale and Usage Tax Report

After the sales tax details are calculated, you can retrieve the information to view the sales tax amount recorded during calculation and actual tax collected after funding, by generating 'Sales usage tax (Lease)' report. This report can be generated for all applications with Sales Tax Mode and Tax Method 'UPFRONT/ PURCHASE_PRICE'.

In the report, the tax recorded before funding is referred as 'Quotation Tax Amt' and actual tax recorded for the application is referred as 'Invoice Tax Amt'. Since this is a system generated report, any difference in these amount are to be manually updated into the account.

1. From the LHS menu, click Origination > Reports link.
2. In the 'Reports' section, filter report with description 'SALES USAGE TAX - LEASE'.
3. In the 'Report Parameters' section, select/specify the required parameters and click 'Run Report'.

The report is generated in the selected format with the details as indicated below. For detailed information on report generation process, refer to 'Reports' chapter in User Guide.

Report : Sales usage tax (Lease) Date: 4/25/2018 18:53 PM		ORACLE Financial Services Lending and Leasing	
Month / Year From: 04/25/2018 To: 04/26/2018			
Company:US01			
Branch:USHQ			
ALL AMOUNT ARE IN USD			
Application #	Funding Dt	Quotation Tax Amt	Invoice Tax Amt
000001104	25/04/2018	600.00	0.00
000001324	25/04/2018	3,350.00	3,350.00
Branch Count:	2	Branch Total:	3,350.00
Company Count:	2	Company Total:	3,350.00
Total Count:	2	Grand Total:	3,350.00

E.2.3 Sales Tax Calculation at Customer Service

The sales and usage tax details defined in Setup > Sales Tax > Customer Service tab are used to calculate sales tax for 'Stream' accounts. OFSLL records sales tax by posting Sales / Use Tax transaction which in-tun updates the Sales / Usage Tax balance on the account.

This section contains the following details:

- [Calculate Tax in Customer Service](#)
- [Exempt Sales Tax in Customer Service](#)
- [Attach Sales Tax Exemption Certificate](#)
- [Sales tax in Account Statement](#)
- [Generate Lease Sale and Usage Tax Report](#)

E.2.3.1 Calculate Tax in Customer Service

1. For the calculation method defined in setup as either 'Flat Transaction Amount' or 'Percentage of Transaction Amount', the scheduled batch job posts the following type of transactions:

Transaction Code	Batch Job	Transaction
Bill/Due Date	TXNDDT_BJ_100_01 BILLING/DUE DATES PROCESSING	DDT BILL/DUE DATE
Late Charge	TXNLTC_BJ_100_01 LATE CHARGE PROCESSING	FLC LATE CHARGE

- Along with the above transaction, system automatically posts 'SALES / USE TAX' linking transaction to determine and update the tax component separately.
 - For accounts with tax exemption, sales tax will not be calculated and link transaction is not posted.
 - in case of reversal, if the parent transaction is reversed then corresponding child 'SALES / USE TAX' tax transaction will also be reversed.
2. On successfully posting the transaction, the details are updated on to the customer account in Customer Service > Transaction History > Transactions tab.

Detached Table

Post Dt	Txn Dt	Description	Currency	Amount	Details	Balance Amt	Payment Currency	Payment Amt	Paymer
04/25/2018	07/19/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	07/14/2017	BILL/DUE DATE	USD	524.95	DUE DT 07/17/2017	25,000.00	USD		
04/25/2018	07/12/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	07/07/2017	SALES / USE TAX	USD	48.56		25,000.00	USD		
04/25/2018	07/07/2017	BILL/DUE DATE	USD	524.95	DUE DT 07/10/2017	25,000.00	USD		
04/25/2018	07/05/2017	SALES / USE TAX	USD	2.78		25,000.00	USD		
04/25/2018	07/05/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	06/30/2017	SALES / USE TAX	USD	45.93		25,000.00	USD		
04/25/2018	06/30/2017	BILL/DUE DATE	USD	524.95	DUE DT 07/03/2017	25,000.00	USD		
04/25/2018	06/28/2017	SALES / USE TAX	USD	2.63		25,000.00	USD		
04/25/2018	06/28/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	06/23/2017	SALES / USE TAX	USD	45.93		25,000.00	USD		
04/25/2018	06/23/2017	BILL/DUE DATE	USD	524.95	DUE DT 06/25/2017	25,000.00	USD		
04/25/2018	06/21/2017	SALES / USE TAX	USD	2.63		25,000.00	USD		
04/25/2018	06/21/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	06/16/2017	SALES / USE TAX	USD	45.93		25,000.00	USD		
04/25/2018	06/16/2017	BILL/DUE DATE	USD	524.95	DUE DT 06/19/2017	25,000.00	USD		
04/25/2018	06/14/2017	SALES / USE TAX	USD	2.63		25,000.00	USD		
04/25/2018	06/14/2017	LATE CHARGE	USD	30.00		25,000.00	USD		
04/25/2018	06/09/2017	BILL/DUE DATE	USD	524.95	DUE DT 06/12/2017	25,000.00	USD		
04/25/2018	06/11/2017	LEASE RECEIVABLES	USD	25,000.00		25,000.00	USD		
04/25/2018	06/11/2017	ACTIVE	USD	0.00		0.00	USD		

3. For the calculation method defined in setup as 'Payoff Quote Lease', on posting this transaction system calculates the tax on unpaid Lease Receivables and displays the Sales / Usage Tax due bucket with the total of current outstanding and future dues.

ORACLE Financial Services Lending and Leasing

Welcome, ABSEKAR Sign Out

Customer Service x

Transaction Batch Information

Date	Monetary	Transaction	Status	Batch
04/25/2018	Y	PAYOFF QUOTE LEASE	POSTED	N

Parameters

Parameter	Value	Required
TXN DATE	11/19/2017	Y
PAYOFF QUOTE VALID UPTO DATE	01/01/2018	Y
LEASE BUYOUT INDICATOR	YES	Y
DISPOSITION FEE	0	Y
EARLY TERMINATION FEE	0	Y
OTHER FEE	0	Y
DEPRECIATION ADJUSTMENT	0	Y
CURRENT USAGE	0	Y
PAYOFF QUOTE LTR PRINT	NO	Y
COMMENT	PROVIDED TO	Y

Result

SALES / USAGE TAX

Transaction Processing Details

SALES / USAGE TAX → USD 1,239.67

E.2.3.2 Exempt Sales Tax in Customer Service

If exemption details are provided in Origination, system automatically propagates the same to Customer Service account. You can update exemption details during Customer Service for

an account by posting a non-monetary 'SALES TAX EXEMPTION DETAILS MAINTENANCE' transaction.

Transaction Batch Information

Save and Add Save and Stay Save and Return Return

Date 04/26/2018 Transaction SALES TAX EXEMPTION DETAILS MAINTENANCE Status OPEN
 Monetary ___ Batch ___

Load Parameters Post Void

Parameters

View Format Freeze Detach Wrap

Parameter	Value	Required
TXN DATE		✓
TAX EXEMPTION INDICATOR		✓
TAX EXEMPTION REASON CODE		—
TAX EXEMPTION START DATE		—
TAX EXEMPTION END DATE		—

For information on populating the parameter values, refer to [Exempt Sales Tax in Decision/Contract tab](#) section.

On successfully posting the transaction, the exemption details are updated in Servicing > Customer Service > Account Details > Tax Details tab.

E.2.3.3 Attach Sales Tax Exemption Certificate

For every sales tax exemption, you can provide a proof of verification by attaching the exemption certificate to the account. However, validating the authenticity of the certificate is not handled in OFSLL.

To attach sales tax certificate to an application, you need to first upload the document into the system through 'Account Documents' screen and attached it to the application through Customer Service > Document Tracking tab.

1. From the LHS menu, click Servicing > Account Documents link.
2. In the Document Maintenance > Action section, select 'Attach Document (Client)' option.
3. In 'Select Document' section, browse for the file location and "Upload".
4. In 'Document Details' section, select the uploaded document and click 'Edit'.
 - Select 'Document Sub Type as 'Tax Exemption Proof' from the drop-down list.
 - Similarly update other details of Document Type, Account #, and select the 'Attach' check box.
 - Click 'Save and Return' and in Document Details section, click 'Post'.
5. Navigate to Servicing > Customer Service > Document Tracking tab and select the lease application.
6. Click 'Document' tab. In 'Account Document Details' section, select the uploaded document and click 'Upload'.
7. (Optional) You can also edit the document details before upload by adding additional information as comments.

The sales tax exemption certificate is linked to the application. For more information on the process of document upload, refer to 'Account Documents' chapter in User Guide.

E.2.3.4 Sales tax in Account Statement

The sales and usage tax calculated on the account is captured in Servicing > Customer Service > Account Details > Statements tab so that the customer is updated about lease sales

tax amount levied on the account. Updating the sales tax details in 'Statement Details' section is done through a scheduled batch job.

The screenshot shows the 'Account Details' section with the 'Statements' tab selected. Under 'Statement Details', a table lists various charges:

Current Due(+)	PastDue(+)	Late Charge(+)	Other Charges(+)	Tax Charges(+)	Total Due =
1,132.13	2,264.26	60.00	0.00	0.00	3,456.39

Below this table, a summary shows 'Other Charges(+)' as 0.00 and 'Tax Charges(+)' as 0.00, with a 'Total Due =' of 3,456.39.

E.2.3.5 Generate Lease Sale and Usage Tax Report

After the sales tax details are calculated, you can retrieve the information to view the sales tax amount recorded on the account, by generating 'Sales usage tax (Lease)' report. This report can be generated for all accounts with Sales Tax Mode and Tax Method 'CYCLE/PAYMENT_STREAM'.

1. From the LHS menu, click Servicing > Reports link.
2. In the 'Reports' section, filter report with description 'SALES USAGE TAX - LEASE'.
3. In the 'Report Parameters' section, select/specify the required parameters and click 'Run Report'.

The report is generated in the selected format with the details as indicated below. For detailed information on report generation process, refer to 'Reports' chapter in User Guide.

Report : Sales usage tax (Lease)
Date: 4/26/2018 6:16 AM

ORACLE
Financial Services Lending and Leasing

Month/Year From: 04/26/2018 To: 04/27/2018
Company: USD1
Branch: USHQ
ALL AMOUNT ARE IN USD

Account #	Transaction Dt	Transaction Code	Tax Amt
20171100013429	01/02/2018	BILL/DUE DATE	152.51
20171100013429	01/03/2018	BILL/DUE DATE	152.51
20171100013429	04/01/2018	BILL/DUE DATE	152.51
20171100013429	07/12/2017	BILL/DUE DATE	152.51
20171100013429	08/02/2018	BILL/DUE DATE	152.51
20171100013429	09/11/2017	BILL/DUE DATE	152.51
20171100013429	11/01/2018	BILL/DUE DATE	152.51
20171100013429	14/12/2017	BILL/DUE DATE	152.51
20171100013429	15/02/2018	BILL/DUE DATE	152.51
20171100013429	16/11/2017	BILL/DUE DATE	152.51
20171100013429	18/01/2018	BILL/DUE DATE	152.51
20171100013429	21/12/2017	BILL/DUE DATE	152.51
20171100013429	22/02/2018	BILL/DUE DATE	152.51
20171100013429	23/11/2017	BILL/DUE DATE	152.51
20171100013429	25/01/2018	BILL/DUE DATE	152.51
20171100013429	26/12/2017	BILL/DUE DATE	152.51
20171100013429	30/11/2017	BILL/DUE DATE	152.51
Branch Count: 17		Branch Total:	2,592.67
Company Count: 17		Company Total:	2,592.67
Total Count: 17		Grand Total:	2,592.67

E.3 External Lease Tax Calculation

In this method, the lease sales and usage tax details are computed in an external integrated system called Vertex® - Indirect Tax for Leasing and on a successfully tax computation, the sales tax details are updated into OFSLL setup, Origination and Customer Service modules.

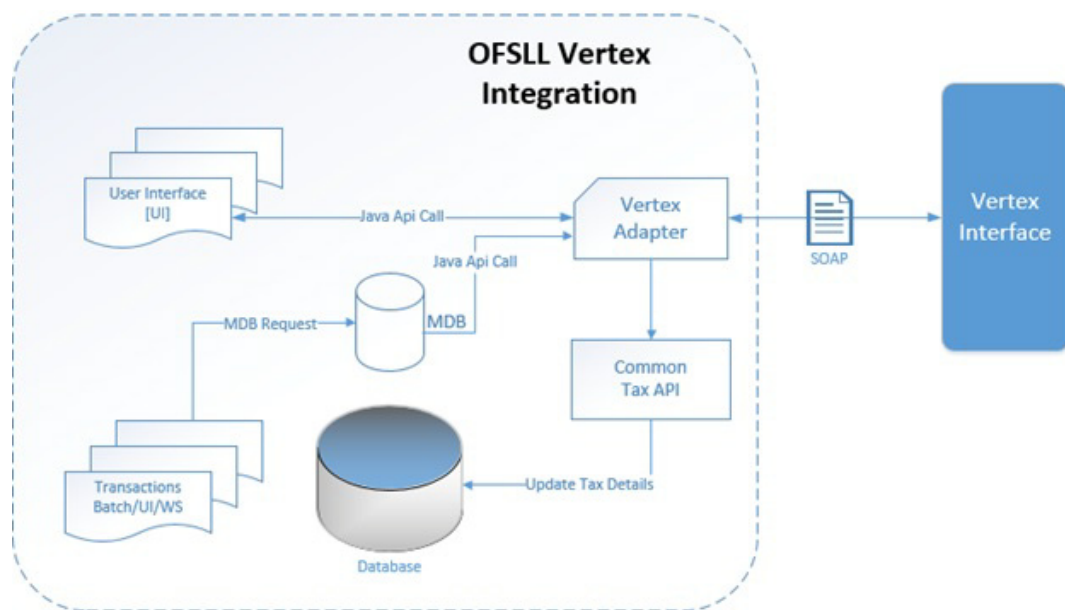
Vertex® Indirect Tax for Leasing facilitates with tax calculation solutions to address the needs of leasing software vendors and their enterprise customers within the equipment and vehicle leasing industries. Vertex Leasing leverages the Vertex O Series platform and automates the taxability and ongoing maintenance of rental and leasing rules.

This section contains the following details:

- [OFSLL Vertex Integration](#)
- [Setup changes](#)
- [Changes in Origination Module](#)
- [Changes in Customer Service Module](#)
- [Limitations of Vertex integration](#)

E.3.1 OFSLL Vertex Integration

The below image indicates Vertex integration with OFSLL and the associated components.



A brief description of the integrated components are provided below:

Vertex Adapter - This adapter is used to receive OFSLL interface data and create Vertex Specific SOAP Request/Response. Vertex provides 'FlexibleFields' to exchange implementation specific customization data. These fields are mapped to PL/SQL custom fields in Vertex Adapter and can be customized during implementation. However, this is Vertex specific adapter and has to be replaced specifically to support other Tax Vendor.

Common Tax API - When Vertex Adapter receives a response, OFSLL uses Common Tax API to update Sale and Usage Tax details. This adapter contains exit point and can be used to update Tax details from External System.

MDB Interface - To support Vertex interface new message types, following services are added:

- QUOTATION_SERVICE
- INVOICE_SERVICE
- CREATE_CERTIFICATE_SERVICE
- CUSTOMER_SERVICE

Also the existing error queue [OFSLL_OUTBOUND_Q] is enhanced to record Vertex interface error messages during the integration.

For more details on integration, refer to OFSLL technical documentation. During the process of integration, there observed discrepancies are noted. Refer to [Limitations of Vertex integration](#) section for details.

Note

During Origination, all Vertex interface calls are handled through user interface and on Funding/Customer Service, these calls are made from database using MDB flow.

Following Vertex services are used in OFSLL with the integration. For detail information, refer Vertex O Series documentation.

Service	Description
Quotation Request	It is used to estimate the Tax of the proposed Lease Contract. This service is triggered by OFSLL to estimate tax during Decision/Contract and Lease Payoff Quote.
Invoice Request	It is used to bill the Tax for the Lease Contract. This service is triggered by OFSLL to record tax during Funding and Lease transaction posting.
Delete Request	It is used to reverse Vertex Invoice request. Every Vertex Invoice request triggered from OFSLL use 'transactionId' to stamp OFSLL internal transaction reference. This internal transaction id is used by this service to reverse Vertex Invoice request based on OFSLL reversal.
Create Customer Request	It is used to register a Customer.
Create Certificate Request	It is used to upload Tax Exception Certificate Id for Customer.

E.3.2 Setup changes

To enable Vertex integration, the company parameter XSL_TAX_INTERFACE' has to be updated as 'VERTEX' and 'VTX_OUTBOUND_URL' also needs to be updated with valid Vertex URL.

The sales tax information recorded in OFSLL Setup > Administration > System > Sales Tax screen is exchanged with Vertex interface through vertex adapter using SOAP Request/Response.

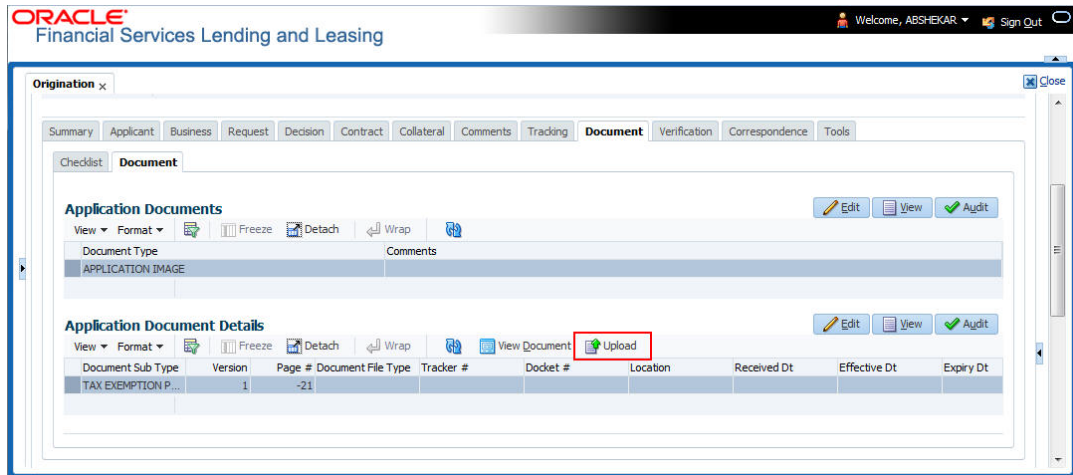
For information on recording sales tax rules in setup, refer to [Sales Tax Setup](#) section.

E.3.3 Changes in Origination Module

Since the process of sales tax collection is handled from external system, the information received from Vertex are only updated into the respective tables in OFSLL. The same is available in the UI as detailed in [Sales Tax Calculation at Origination](#) section.

To load exemption certificate into OFSLL, follow the same process as detailed for internal sale tax calculation method using in Origination > Underwriting / Funding 'Document' tab. To

upload sales tax exemption certificate to vertex, click “Upload’ button in the Application documents tab.

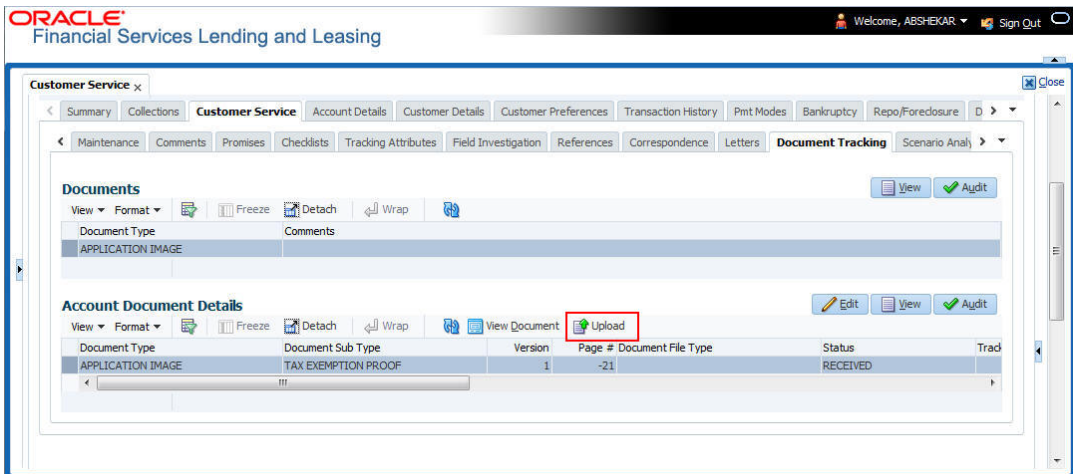


On successful upload, a ‘Tax Exemption Certificate ID’ is updated in to the system and the ‘Upload’ button is disabled.

E.3.4 Changes in Customer Service Module

The sales tax calculation process is similar to the internal method as detailed in [Sales Tax Calculation at Customer Service](#) section except that the Sales/Usage Tax - link transactions is posted only on receiving the tax details from Vertex. This transaction will be posted after posting the main transaction.

To load exemption certificate into OFSLL, follow the same process as detailed for internal sale tax calculation method using in Servicing > Customer Service > Document Tracking tab. To upload sales tax exemption certificate to vertex, click “Upload’ button in the Account Document Details section tab.



On successful upload, a ‘Tax Exemption Certificate ID’ is updated in to the system and the ‘Upload’ button is disabled.

E.3.5 Limitations of Vertex integration

Following are the limitation noticed with Vertex integration:

- Use of ‘TABLE’ value for company parameter ‘XSL_TAX_INTERFACE’ is deprecated and replaced with ‘INTRENAL’ for consistency.

- Existing data of SALES_TAX has to be revisited before and after upgrade. This table is enhanced to support multiple criteria.
- Current solution does not support Sales and Usage Tax calculation for multiple assets as part of Origination and Customer Servicing.
- OFSLL currently supports to capture only following three transactions for Sales and Usage Tax calculation - BILL/DUE, LATE FEE and PAYOFF QUOTE. This is not a finite list of transaction. Based on different implementation specification system can facilitate addition of multiple transactions. Any requirement of additional transaction should be requested to product team, based on analysis support will be provided.
- Existing use of Setup > Products > Contract > Itemizations > Taxable Indicator is depreciated and can rely on new Lease Origination Sales and Usage Tax Setup.
- As part of current release, OFSLL does not provide support for CASH basis of Sales and Usage Tax calculation.
- When uploading tax Exemptions Certificate to Vertex, OFSLL calls Vertex Create Customer service followed by Create Certificate. Due to any internal error if OFSLL is unable to complete Vertex Create Certificate request, OFSLL will enter into a dead lock mode and will try to call Create Customer followed by Create Certificate which will fail as customer already exist in Vertex. This has to be operationally handled based on messages in the error queue.
- Care should be taken to disable 'Calculate Tax' tax button in Decision for Stream based Lease application.
- Vertex use Imposition codes to identify multiple tax rules that can be levied on application/account. OFSLL records all the tax details into single itemization/transaction amount. Split of tax details should be gathered outside the system using Vertex 'transactionId' stored in SALES_USAGE_TAX_DETAILS [SUD_ID].
- Adjustment, Void, Charge off and Wave of tax balance based on parent transaction has to be handled manually.
- For manual transactions posted from User Interface/Web Service that are requesting for Vertex Tax update, a delay of 30 seconds is introduced to get response from Vertex. If response is received in the due time, transaction will be posted with Vertex tax data else transaction will be marked as Error and user is requested to repost the transaction based on Vertex interface availability.
- In current release, we are unable to support re-triggering of failed transaction during Vertex integration. Support will be added in future.
- Vertex Address cleansing is currently out of scope of this release. Address cleansing adapter has to be written to interact with Vertex and get source and destination address updated before using based OFSLL-Vertex integration.
- Sale and Usage Tax is not part of Bill/Due amount. Care should be taken to disable billed indicator Setup ' Products' Contract 'Lease.
- Currently Vertex tax data is not getting updated in Lease ' Customer Service ' Account Details ' Statements [Tax Charges (+)]. This bug will be fixed in future release.
- Tax calculation support for API and Account On-boarding will be added in subsequent patch release.

E.4 Manual Lease Tax Calculation

In this method, the Lease Sales and Usage tax are computed manually and only the calculated details are recorded into OFSLL Setup, Origination, and Customer Service modules. For information on updating the details in the respective modules, refer to [Internal Lease Tax Calculation](#) section.

Since OFSLL interface only supports to record and display the information, validating and processing the same has to be done outside the system.

Appendix F:Usage Based Leasing

F.1 Introduction

The Usage based leasing option extends OFSLL support of lease functionality and facilitates to charge the asset usage fee for the customer not at the time of the Termination/Payoff Quote but based on the actual usage as per the defined Cycle (i.e. Daily, Weekly, Monthly and so on). Also for usage based lease contracts, customer has option to pay the minimum monthly lease payment and the usage fee based on the actual usage.

Whenever customer sends asset usage details to OFSLL, the details are categorized to applicable rate slabs, for tiered and not-tiered types and based on usage methods (i.e. rollover/advance) and charge matrix, the usage fee is calculated and charged on to the account. The same is communicated to the customer through account statement.

In such type of billing, customers would benefit by being charged only when they use a product or service, rather than having to buy something outright.

Consider the following example of a company which leases a photocopying machine. The monthly billing amount consists of two components - a flat rate (rental) that covers the fixed costs and a fee for usage charge (such as 1 cent per copy). Here, Usage is billed based on total number of units utilized from last bill to current billing date and customer pays the following two components:

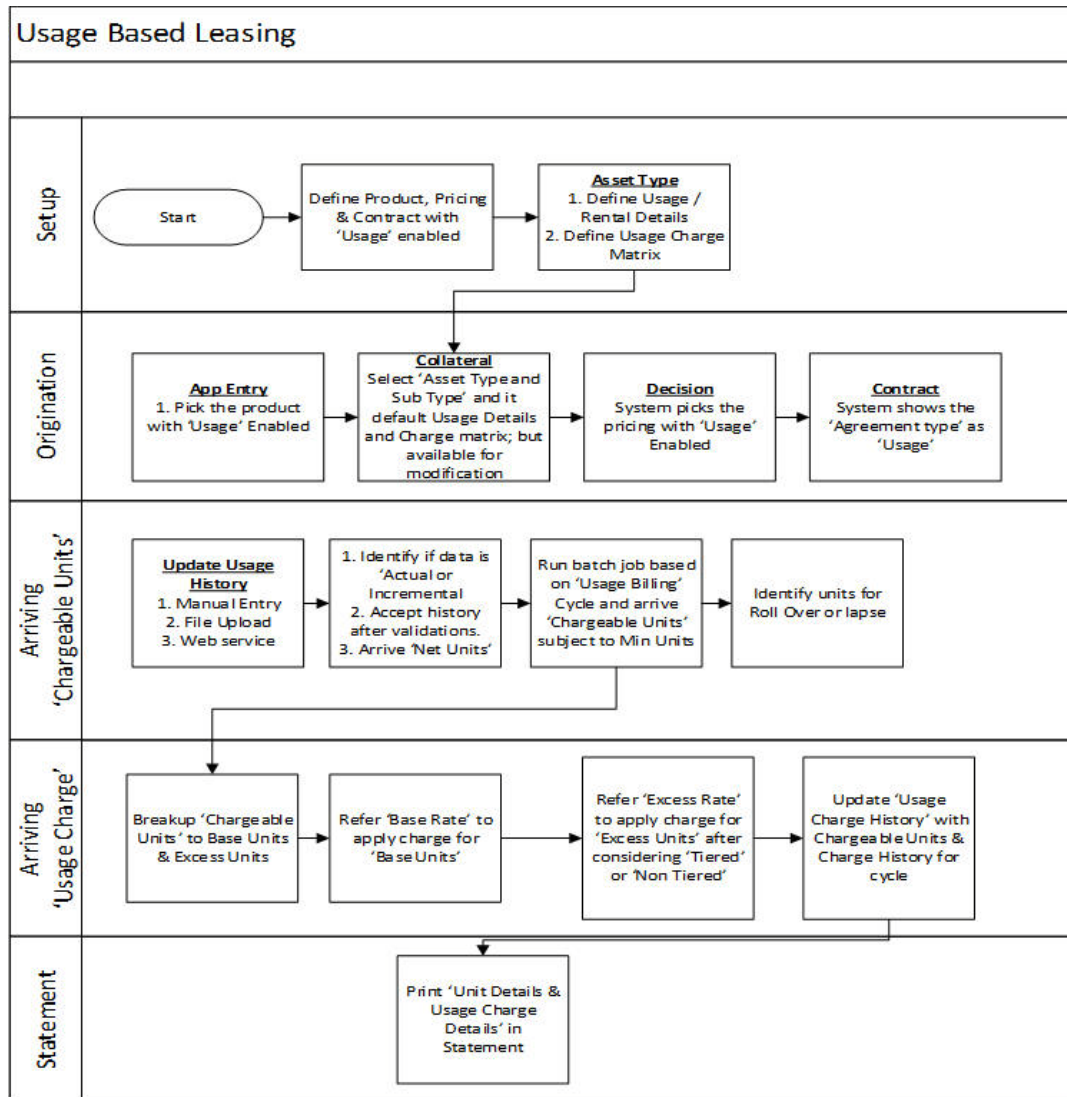
- Lease Rental Payment
- Usage-based Charge component (included in the monthly bill)

F.2 Pre-requisites

- To support usage based leasing, ensure that all the basic setup of defining Usage Details, Usage Charge Matrix in Asset Types screen is done and the lease Agreement Type is selected appropriately in Products, Pricing and Contract setup screens.
- When usage details are to be processed through File Upload, ensure that the file received from external system contains all the required information for mapping to respective fields in Usage History screen.

F.3 Usage Based Leasing Workflow

Consider the below image which indicates the complete usage based leasing workflow supported in the system. A brief detailing of the same is provided below.



- The process starts from defining usage based parameter (agreement type) in Setup > Products, Pricing, and Contract screens.
- In Setup > Asset Types screen, you can define the 'Usage Details' and 'Usage Charge Matrix' which are used to classify the incoming data for charging and billing calculation.
- In Origination > Collateral screen, select the usage based leasing application, select asset type, sub type, and load the usage details from setup. The details are allowed to be modified here. In Decisioning stage, system picks the pricing with Usage details and during Contract, the application is funded with lease usage agreement type.
- In Servicing, the chargeable units for usage is derived from the details populated in Customer Service > Collateral tab > 'Usage History' section. The details can be populated by File upload or through web services. The chargeable units are categorized based on Usage Details and Charge Matrix defined in Setup > Asset types screen.
- On receiving the usage data from external system, the same is validated if it is Actual or Incremental data and also accounts for Rollover - yes/no and Advance - yes/no type of combinations supported to derive the net chargeable units (subject to minimum units consumed). The same is discussed in subsequent section.

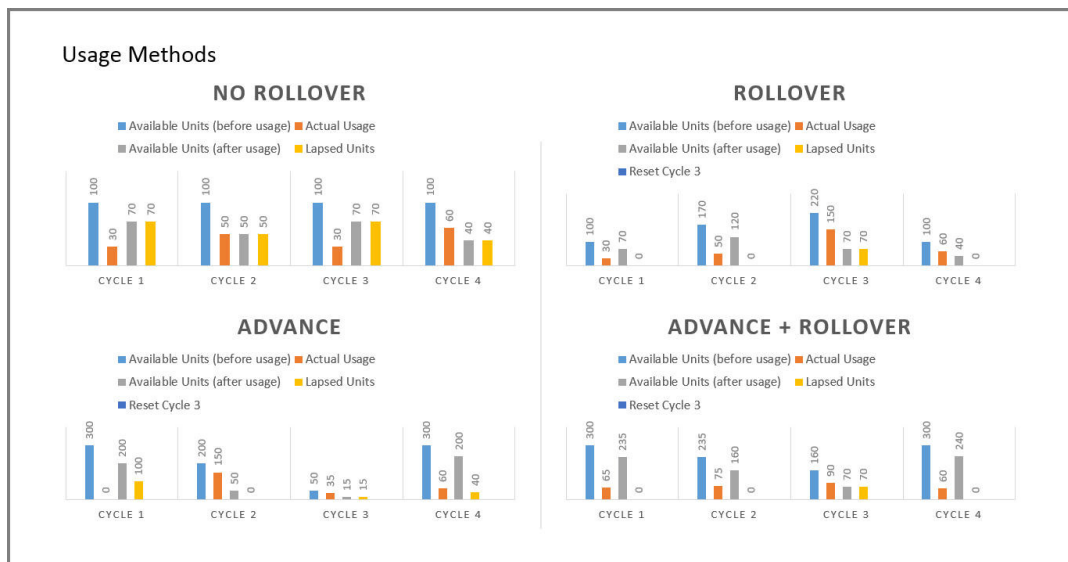
- The chargeable units are further classified into Base and Excess consumed units, and charge is applied based on Charge Matrix as per TIERED and NON TIERED category. This data is populated into Servicing > Collateral > Usage Summary tab.
- Based on 'Usage / Rental Cycle', system runs the Usage billing batch job to calculate and post the usage fee on the account as per the billing cycle. While generating the account statement, the usage details are explicitly indicated along with charges of the same.

F.3.1 Lease Usage Calculation

- Min Usage - indicates the minimum units to be considered as 'Chargeable Units'. During calculation, the Chargeable Units = Net Units, subject to 'Min Usage'.
- Max Usage - indicates that usage is to be charged as 'Base' value for the given billing cycle. Any usage units beyond 'Max Usage' should be charged based on 'Calculation Method' as either Tiered (based on multiple rate slabs) or Non-Tiered (applicable slab at total usage volume).
- Discount % - based on discount %, system calculates the applicable discount units on 'Gross - Non chargeable Units' to arrive Net Usage' in 'Usage History' tab.

F.3.2 Lease Usage Methods

Following image indicates four types of asset usage lapse / rollover combinations supported:



As per the above usage methods, usage units billing is accounted as indicated below:

Note

The usage lapse / rollover is subject to maximum usage as defined for a Collateral.

- Non-Rollover Usage - This option indicates that non utilized units in current cycle will be lapsed.
- Rollover Usage - This option indicates that non utilized units from previous cycle is carried over and added as 'base' units to next cycle incrementally.
- Rollover & Advance Usage - This option indicates that system bills the customer at the base rate, considering the usage available for the life of account and includes the non utilized units from the previous cycle.

- Advance Usage - This option indicates that system bills the customer at the base rate, considering the usage available for the life of account. Here non utilized previous units will be lapsed.

The Rollover / Advance is accounted for fixed reset period. For example, if Contract starts at Jan and rollover is set to 3 months for a monthly usage billing cycle, the rollover resets at end of 3rd month and from April new rollover set starts.

F.3.3 Tiered and Non Tiered Usage Calculation

Consider the following type of charge matrix defined:

Rate Chart	From Units	To Units
Base	0	1
Base	30	2
Base	75	3
Cycle Excess	0	4
Cycle Excess	50	5
Life Excess	0	6
Life Excess	50	7

On receiving the following type of usage data from customer, the chargeable units are derived based on lapse and rollover rules. The chargeable units are charged based on Tiered and Non Tiered preference indicated for a collateral. The sample usage calculation is as indicated below:

Base Units:76, Cycle Excess:51, and Life Excess=65

Tiered Calculation

$$\text{Base Charge} = (29*1)+(45*2)+(2*3) = 125$$

$$\text{Cycle Excess Charge}=(49*4)+(2*5)=206$$

$$\text{Life Excess Charge}=(49*6)+(16*7)=406$$

$$\text{Total Charge}=125+206+406=737$$

Non Tiered Calculation

$$\text{Base Charge} =(76*3) = 228$$

$$\text{Cycle Excess Charge}=(51*5)=255$$

$$\text{Life Excess Charge}=(65*7)=455$$

$$\text{Total Charge}=228+255+455=938$$

F.3.4 Lease Usage Batch Jobs

Following two batch jobs are provided for usage based leasing:

To upload usage details

Batch job set - SET-IFP (INPUT FILE PROCESSING)

Batch job - IUHPRC_BJ_100_01 (ASSET USAGE HISTORY FILE UPLOAD)

This process uploads asset usage details into the system. To do so, place the usage details file in 'iuh' folder available under input > ifp > iuh directory and run the batch job.

For billing usage details

Batch job set - SET-TPE (Transaction Processing Engine)

Batch job - TXNUSG_BJ_100_01 (Usage Charge Processing)

This process is used to derive the billing amount to be charged for Lease Usage/Rental based asset for consumed units which is calculated by the applicable charge matrix and posts lease usage/rental fees on account.

F.3.5 Lease Usage Account Statement

The Statements tab in Customer Service > Account Details tab displays the 'Fee Usage Charge(+)' that is posted to lease usage account. On generating a report of lease account, the Fee Usage Charges are indicated as separate line item.

Account Statement



		DEMO BANK USA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">STATEMENT OF ACCOUNT</td> </tr> <tr> <td colspan="3">USAGE PMT REVERSAL 3</td> </tr> <tr> <td colspan="3">ADF N BCH N # FJ</td> </tr> <tr> <td colspan="3">DG</td> </tr> <tr> <td colspan="3">AGUADILLA PR 00604</td> </tr> </table>			STATEMENT OF ACCOUNT			USAGE PMT REVERSAL 3			ADF N BCH N # FJ			DG			AGUADILLA PR 00604		
STATEMENT OF ACCOUNT																	
USAGE PMT REVERSAL 3																	
ADF N BCH N # FJ																	
DG																	
AGUADILLA PR 00604																	
Statement Date	09/19/2018	Send Inquiries To: DEMO BANK USA LINE1 LINE2 MINNEAPOLIS MN 55344 7255 Phone: #####															
Account Number	20180800010677																
Payment Due By	10/10/2018																
Maturity Date	08/10/2020																
Current Balance	\$21,200.00																
Current Amount Due	\$1,035.65																
Past Due Amount	\$0.00																
Late Charges	\$0.00																
Other Charges	\$0.00																
Fee Usage Charges	\$560.00																
<hr/>																	
Please Pay This Amount																	
Pay Off Date	10/08/2018																
Pay Off Amount		\$22,084.10															

F.3.6 Elastic Usage Term

The Elastic Usage Term in OFSLL refers to a system predicted value to indicate customer about the remaining term to reach the asset usage life as per current usage pattern. The Elastic Usage Term is available in Collateral > Usage Summary tab and is calculated by the following methods:

- Actual Usage - Elastic Term is calculated based on Usage Factor
- Average Usage - Elastic Usage Term is calculated based on Average Usage

Appendix G: Configuration at Company Level

G.1 Introduction

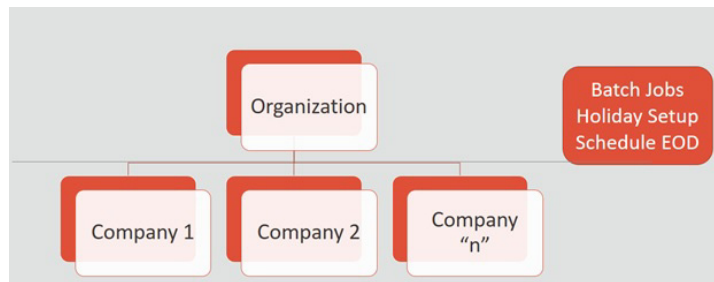
OFSLL supports defining multiple Portfolio Companies in an Organization and facilitates to configure these Portfolio Companies to operate in different time zones. The nightly batch jobs for processing can also be configured to run as per the operating hours of the Portfolio Companies.

Using this, system can be configured in Setup to either process at Organization level or at Company level. To process at Organization level, no specific change is required since it is the default setup.

The below details in this section is intended to give an overview of the changes required to setup the system to process at Company level.

G.2 Existing Configuration

In the default setup, there is no definition of GL date at company level and this implies that organization can define the independent companies to which accounts belongs. But the EOD scheduling and job run happens at organization level and 'not' at each company level. Also the GL date is defined at 'System Parameters' Level.



G.3 Configuration at Company Level

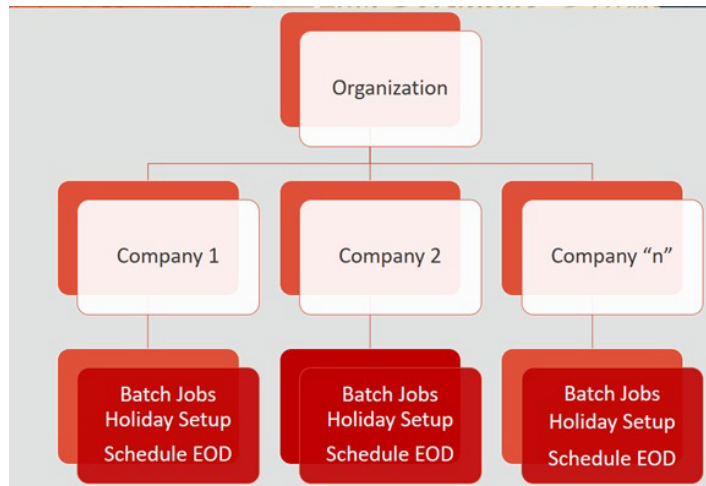
In the configuration at Company level (not Branch level), the following options are supported:

- To configure only one EOD schedule for one or all companies - Configure batch jobs at ALL level with or without having multiple company definitions. If OFSLL is upgraded from earlier to current release version, this helps to continue with existing ALL company level scheduling of batch job run.
- To configure EOD for each company independently - Define GL date at each Company level to schedule and run batch jobs at each company level. The scheduler changes the GL date of specific company, after successful completion of batch job run.

However in this setup, note that:

- It is advised to 'Enable' flag at ALL GL date level, but disable batch jobs at ALL level so that scheduler does the rollover of date but does not pick-up batch jobs for EOD run.
- After EOD run, system rollovers the GL date or ALL company entry, after completion of run of other specific company GL date rollover.
- Ensure the Company parameter 'System Under Maintenance' is also set to Y for corresponding company during EOD run of same company.
- Company Start of Business Time can be configured at company level. If the parameter value is set to '0500', it implies that scheduler rollovers the GL date based on this time.

- System refers the 'Company Time Zone' (new field at company definition page) to identify the time zone in company parameter.



G.4 Setup Company Definition

In this setup, define the company and company parameters.

1. Define Company and date format
 - Define the company in 'Companies Definition' screen and ensure to maintain 'Company Time Zone'.
 - Define company code with 'Alphanumeric' characters only.
 - Ensure to define the 'Display Format' organization Definition ' Division Definition ' Display Formats.

Note

Fixed simple date format definition is one time setup for each company and Admin user is not expected to change it again in life time. Currently it is allowed to select only MM/DD/YYYY format.

2. Define the following company parameters:
 - The default shipped seed data of Company level GL date is set to All.
 - GL POST DATE - COMPANY IN MM/DD/YYYY FORMAT (UPDATED BY SCHEDULER IF ENABLED)
 - CMN_SYSTEM_UNDER_MAINTENANCE - SYSTEM UNDER MAINTENANCE
 - JSC_START_OF_BUSINESS_TIME (COMPANY START OF BUSINESS TIME (24HR FORMAT)
 - PTX_TXN_LAST_PURGE_DT - LAST PURGE DATE OF TXNS
 - PUP_TUP_LAST_PURGE_DT - LAST PURGE DATE OF TXNS UPLOAD

Example: The following is an illustration on how 3 companies are defined with 3 different time Zones in USA, UK and Australia.

Parameter	USA	UK	AUS
GL Post Date	31 Dec 2019	02 Jan 2020	02 Jan 2020

Parameter	USA	UK	AUS
CMN_SYSTEM_UNDER_MAINTENANCE	Y	N	N
JSC_START_OF_BUSINESS_TIME	0500	0500	0500
PTX_TXN_LAST_PURGE_DT	01/01/2019	01/01/2019	01/01/2019
PUP_TUP_LAST_PURGE_DT	01/01/2019	01/01/2019	01/01/2019

G.4.1 Holiday Setup and Processing

The holiday defined in setup is processed as indicated below:

- Scheduler picks up the jobs for EOD run based on 'Next Date and time' set at each batch job level.
- After successful completion of job run for the individual company, system rollovers the date for respective company.
- Once the EOD run and date rollover is completed for individual company, system verifies the 'Enabled' indicator for 'All' company. If none of batch jobs are enabled - rollovers the ALL GL date.
- If '01 Jan 2020' is recorded as holiday in setup, scheduler will/will not execute the batch jobs based on the Batch job holiday maintenance and subsequently rollovers the next date to 02 Jan 2020, at proper start of business time for the company.

G.4.2 Batch Jobs Processing

The default shipped seed data of Batch Jobs is set to All. Define the company and copy the batch jobs. Note that the 'Copy' option copies all the batch jobs at one go.

G.5 Setup Multiple Companies in Same/Different Time Zone

- Define company level time zone using the field 'Company Time Zone at Companies Definition screen.
- This parameter is used to consider the Company level and Start of Business Time. The same can be configured to the same time zone or different time zone for scheduler to process EOD / BOD.
- Company wise file upload facility is supported as follows:
As part of creating company, following are automated:
 - Directory objects in db is created
 - System parameter is created for directories
 - External table is created for selected uploads - collateral and txn upload automatically
 - Physical directories are not created
 - Directory permissions is to be defined manual
- If Company specific file upload jobs are used, the file upload process happens from company specific folders.

G.5.1 Setup for New Company Added Subsequently

For New Company Added Subsequently (not on Day zero), follow the same steps to be followed on Day zero setup. Raise SR to execute script of directory creation of new company for file upload.

G.6 Impact on Defining Configuration at Company Level

System displays the following details at each configured Company level.

G.6.1 Company Level Configuration Settings

Company level LOV selection is available at following screens to configure:

- System Monitor > Batch Jobs
- System Monitor > Jobs > Batch
- System Monitor > Jobs > Background
- System Monitor > Jobs > Credit Request
- System Monitor > JMS Queues > Messages
- System Monitor > Events
- Data Files > Input folder

G.6.2 Scheduler

Once the batch jobs are completed for that specific company, scheduler picks-up the company specific scheduled batch jobs and updates the GL Post Date of that specific company.

Note

- No two companies should be configured to run jobs by scheduler at the same time.
 - Ensure to setup the Parent and child batch jobs with marginal difference in time set-up to get picked-up by the scheduler.
-

G.6.3 Debug Logs

- Batch level Debug logs are maintained at system parameter level and allowed to enable / disable debug batch job logging at system parameter level only.
- System allows to enable batch job level debug jobs by enabling in User Defined Table.
- The debug log file generated is appended with 'Company Name'.
- The date format in debug logs is MM/DD/YYYY - standard format only, irrespective of logs generated for any company.

G.6.4 Setup Screens

All setup screens refers to system date for validation. Example: Start and End Date.

G.6.5 File Uploads

If only ALL Company Definition is used, the file upload process continues to use the existing folder and infrastructure.

- As part of creating company, following are automated:

- Directory objects in db is created
- System parameter is created for directories
- External table is created for selected uploads - collateral and txn upload automatically
- Physical directories are not created
- Directory permissions is to be defined manual
- If Company specific file upload jobs are used, the file upload process happens from company specific folders.

G.6.5.1 Input File

- Changes are accepted in same file structure and input file has to be placed under input/directory/company specific folder.
- In case certain file does not have company definition like 'Asset Upload', the same can be placed in any company folder to process and upload records.
- Some input files are not programmed to refer Data Files > Input file definitions and hence any date in the file will follow MM/DD/YYYY format. For example, Call activity posting, promise date are to be given in the same format.
- Some input files are programmed to refer Data Files > Input file definitions and hence system expects the date in the file as defined as date format in definition.

G.6.5.2 Output File

Output file name is appended with 'Company Name' and is generated in one folder.

Note

A script 'crt_company_directories.sh' is provided with installer in the path 'core_db\ofslldb.zip\dba_utils\' to create directories and to create folders for each defined Company. The same is to be run during installation. Also, the CLOB indicator is retained at system parameter level.

G.6.6 Transactions

- Monetary transaction refers to the company specific GL date.
- Non-Monetary transactions refers to system date.
- Transactions data in the account continues to show the dates with reference to 'Fixed simple date format' maintained at company level.

G.6.7 Web Services

- GL date of service refers to company level GL date.
- 'Company' has to be passed for certain web services to take reference of corresponding company GL date.

G.6.8 Letters, Correspondence

- Letters are generated based on company level batch job run.
- Date format in letter is not controlled by company level display format and refers to the letter template.

G.6.9 Reports

- Changes are done to report template and reports are generated with 'Company Name' appended to file and generated data for specific company, where the job is run.

- Date format in report is not controlled by company level display format and refers to the report template.

G.6.10 Credit Bureau & Metro II

- Bureau pull does not have any impact to handle because user has to select the specific company and then bureau triggers the pull from UI.
- Metro II - No impact. System generates file for all companies; but based on product level flag and with configured setup.

G.6.11 GL

Current GL Setup (Attributes, Translations and Transaction Links and so on) is at Company level and hence there is no impact.

G.6.12 ODD1, ODD2, ODD3

If job is run at company level,

- ODD1 (Producer ACH, Adverse Action letters, Adverse Action Condition Letter file) job generates the data at company level.
- ODD2 (Account ACH, Vendor ACH, Statement, Letter File and so on) job generates the data at company level.
- ODD3 job generates the data at company level.

G.6.13 Migration

For all screens where company has been added, the default value ALL is provided and user is expected to enable this in seed data screen.

G.6.14 Conversion

No specific impact since API tables have definition of company. User can upload the conversion files based on company.

G.6.15 Archive

Parameter to specify the archive days are defined at system level but user can run the Archive batch jobs at each company level and the same archives data for that specific company.

G.6.16 Purge

Parameter to specify the purge days and following parameters are moved to company level.

- PTX_TXN_LAST_PURGE_DT - LAST PURGE DATE OF TXNS
- PUP_TUP_LAST_PURGE_DT - LAST PURGE DATE OF TXNS UPLOAD

G.6.17 Standard Payees

- User would be able to define payee bank account for each company / branch combination.
- AP Requisition batch job generates the requisition considering the account number defined at company level.

G.6.18 Data Masking

Not handled and hence data masking can be configured at organization level only.

G.6.19 WFP Module

Not handled.

G.6.20 Batch Jobs and File uploads

For list of batch jobs and File uploads handled to run at company level, refer to product release notes.

G.6.21 Assumptions

System considers the criteria defined for company in Queues > Criteria Based Condition screen and ignores the branch level differentiation across application. Hence, even if user defines multiple records (as indicated below), system considers the combination as same and executes records are company level.

Company = AUS and Branch = ALL

Company = AUS and Branch = Sydney